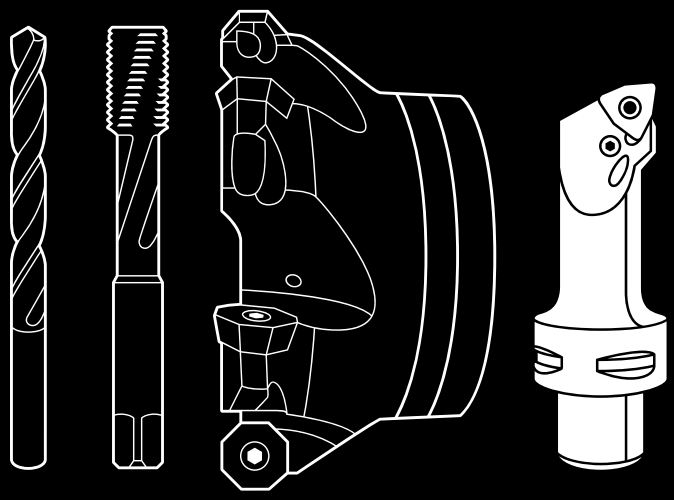
WALTER
Engineering Kompetenz

Tools for turning, grooving and thread turning

Catalog A - Turning
Edition 2022

_ METAL IS OUR WORLD

Tools for Turning



WALTER TITEX PROTOTYP

How to find and order your tool solution:

Personal – worldwide
You can contact us by phone, fax or e-mail. The contact details for your local contact can be found on our website at: **walter-tools.com**

The Walter Hybrid catalogs and brochures
show the entire standard range under the Walter, Walter Titex, Walter Prototyp and Walter Multiply competence brands – in print or in digital format – with product range overviews, product data, cutting data recommendations and much more. Including links to our machining navigator, Walter GPS, or the Walter TOOLSHOP with the chance to order directly.

At walter-tools.com, you can access and order your Walter products quickly and conveniently online – via smartphone, tablet or PC.
The benefit for you: Direct access from any device, displayed in an optimized form, at any time.

Walter online catalog



Tool-specific search
You can find products in the Walter online catalog using the familiar structure of our product catalog as well as filter and search functions. Other features: A shopping function and links to drawings and models.

Walter GPS



Application-based search
With Walter GPS, it takes just a few steps to find the optimum machining solution for your component, online and offline – and the solution can be transferred directly to the Walter TOOLSHOP if required.

Walter Innotime®



Component-based search
With Walter Innotime®, you can find the most cost-effective machining solution for your component, including all the tools, machining steps and machining parameters required for this. Simply by uploading your 3D model.

Digital ordering methods

TOOL:SHOP

EDI B2B

Walter TOOLSHOP & EDI
The Walter TOOLSHOP offers customers opportunities to find information and place orders quickly.
EDI (electronic data interchange) also makes it possible to exchange documents (e.g. orders) – even special tools can be ordered.

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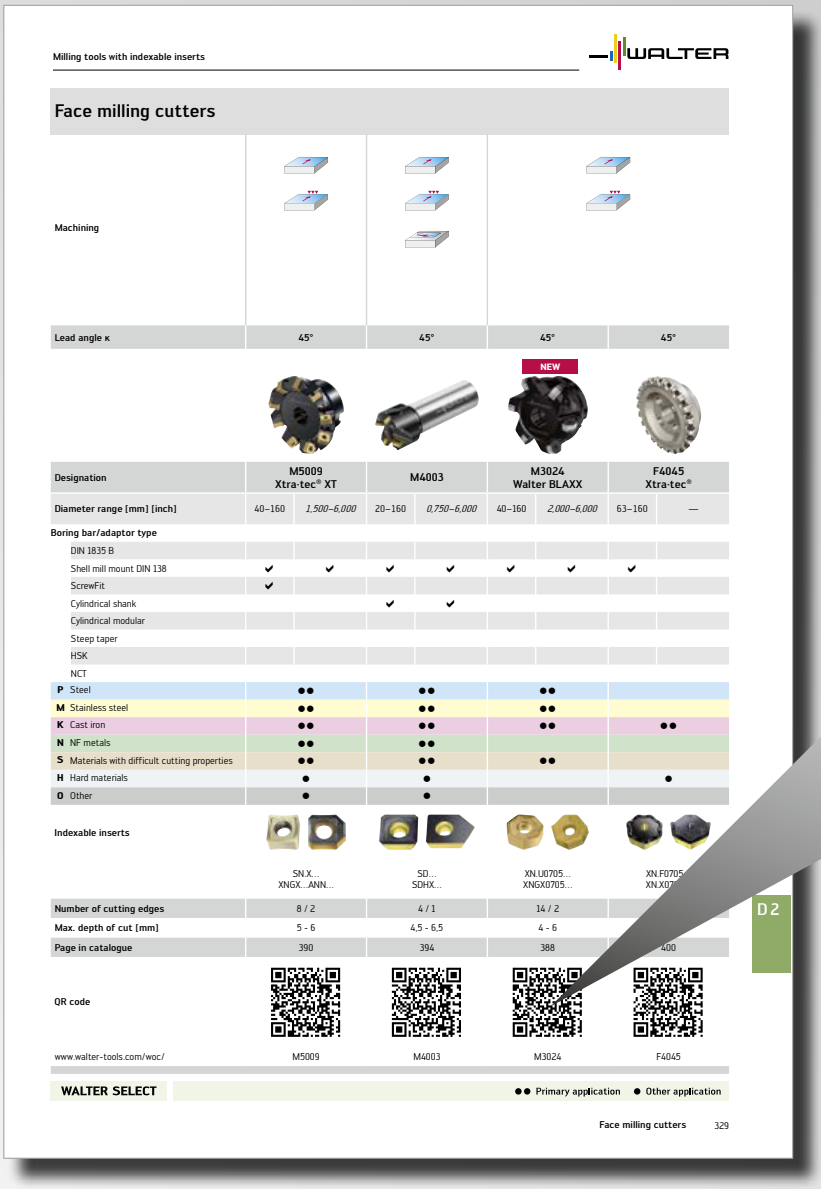
The structure of the new Walter General Catalog

The new Walter General Catalog presents information about products and applications in a comprehensive and clear manner as an e-document – including direct links to the Walter online catalog.



Milling tools with indexable inserts

WALTER

Face milling cutters

Machining								
Lead angle κ	45°		45°		45°		45°	
					NEW			
Designation	M5009 Xtra·tec® XT		M4003		M3024 Walter BLAXX		F4045 Xtra·tec®	
Diameter range [mm] [inch]	40–160	*1.500–6.000*	20–160	*0.750–6.000*	40–160	*2.000–6.000*	63–160	—
Boring bar/adaptor type								
DIN 1835 B								
Shell mill mount DIN 138	✔	✔	✔	✔	✔	✔	✔	
ScrewFit	✔							
Cylindrical shank			✔	✔				
Cylindrical modular								
Steep taper								
HSK								
NCT								
P Steel	●●		●●		●●			
M Stainless steel	●●		●●		●●			
K Cast iron	●●		●●		●●		●●	
N NF metals	●●		●●					
S Materials with difficult cutting properties	●●		●●		●●			
H Hard materials	●		●				●	
O Other	●		●					
Indexable inserts	SN.X... XNGX...ANN...		SD... SDHX...		XN.U0705... XNGX0705...		XN.F0705... XN.X07...	
Number of cutting edges	8 / 2		4 / 1		14 / 2			
Max. depth of cut [mm]	5 - 6		4,5 - 6,5		4 - 6			
Page in catalogue	390		394		388		400	
QR code								
www.walter-tools.com/woc/	M5009		M4003		M3024		F4045	

WALTER SELECT ●● Primary application ● Other application

D2

Face milling cutters 329

Product range overviews with applications, materials and QR codes at a glance

The product range overviews include icons indicating applications, images of the products, and the range of materials for which the products can be used; if relevant, they also include shank versions, clamping systems and other important information. This means that you can immediately see which product you need – and go directly to more detailed information about it by scanning the corresponding QR code or typing the link provided into your browser.

NEW

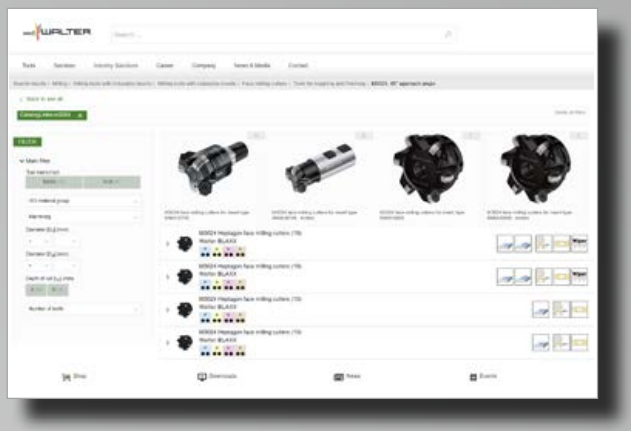
Tools with this icon are product innovations and are displayed in this way in the product range overviews.

Indexable inserts and tools with these red icons are new to the range and are labelled in this way on the ordering page.

Scan the QR code

to go directly to the sub-page for the corresponding product in the Walter online catalog. The brief overview contains an image of the tool or product, icons representing applications and other information, and the main and secondary applications in the ISO materials sector.

M3024



Direct link

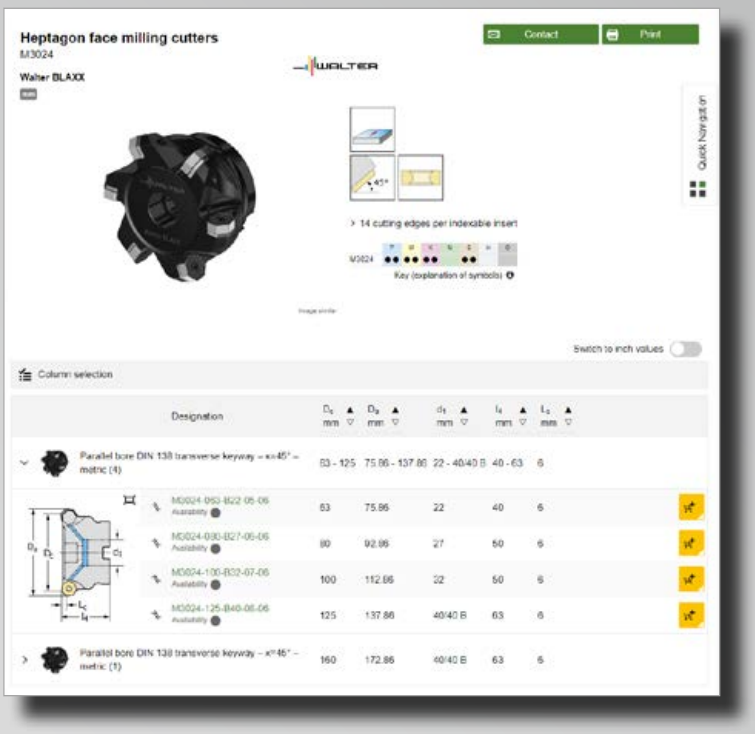
As well as scanning the QR code, you can also type the link directly into your browser:

*www.walter-tools.com/woc/**M3024.***

In the e-document, you can of course click on the link itself.

Detailed overview of product data

Depending on the product, the information available here or on the following product details page will include dimensions, corresponding indexable inserts, adaptors, and accessories, as well as direct links to additional information such as cutting data recommendations via Walter GPS or technical information like assembly instructions, limit speeds and much more.



Technologies at Walter.

Accure·tec

The patented Walter Accure·tec technology ensures maximum vibration damping on boring bars for turning and adaptors for milling. Ideal for turning, milling and drilling operations involving extended tool applications.

Tiger·tec® Gold

Tiger·tec® Gold is the new Walter generation platform for unique indexable insert coatings. It makes maximum tool life and process reliability possible. The CVD grade is produced using the innovative ultra low pressure method (ULP-CVD). The special titanium aluminum nitride layer makes them highly resistant to abrasion, hairline cracks, oxidation and plastic deformation. The heat-resistant, tough PVD grade with aluminum oxide multi-layer is suitable for difficult machining conditions.

Tiger·tec® Silver

With Tiger·tec® Silver, Walter is offering a world first in coating technology for indexable inserts. The special aluminum oxide layer with optimized microstructure reduces wear during turning, milling and drilling operations, and increases toughness and temperature resistance for signifi-cantly higher cutting data.

Walter BLAXX

Walter BLAXX is the benchmark for a new generation of milling cutters: The milling bodies are extremely robust thanks to their special surface treatment. The milling systems, which are mainly positioned tangentially, are equipped with Tiger·tec® indexable inserts. Tools with the "Walter BLAXX" designation combine high wear resistance with unbeatable performance data.

Walter Green

Walter Green: Sustainability and responsible use of resources are central components of our company principles. We use our "Walter Green" seal to show how we implement these principles, such as by offsetting our CO_2 emissions with environmental conservation projects.

Walter Nexxt

Engineering Kompetenz and digital expertise go hand in hand at Walter. Together with our wholly owned software subsidiary Comara, we develop digital solutions that efficiently connect machines and tools, optimizing their performance on the basis of real-time data. Digital solutions on a level playing field with Industry 4.0 – Walter Nexxt.

Walter Xpress

Walter Xpress is the rapid ordering and delivery service offered by Walter Multiply for high-quality special tools. It is available for around 10,000 tool varieties, with a maximum delivery time of two to four weeks from the order date. The ordering process is clearly structured and guarantees absolute planning security. Quotations for all inquiries are calculated and provided within 24 hours.

XD Technology

Walter Titex solid carbide drilling and reaming tools stand for precision, high performance and cost-efficiency when drilling in practically any material. Walter Titex XD Technology offers the greatest precision and cost-efficiency in deep-hole drilling operations up to $70 \times D_c$ without pecking.

Xill·tec™

With Xill·tec™, the solid carbide milling cutters from the MC230 Advance product range, Walter offers a uniquely wide range, with different dimensions, numbers of teeth and shank versions. This means that users are well-equipped for all conceivable milling operations and ISO materials. Universal use – with excellent quality.

Xtra·tec®

Xtra·tec® indexable insert milling cutters and drills guarantee extremely soft cutting action and optimal surface quality on almost all materials. Indexable inserts with highly positive geometries and the Tiger·tec® coating have a particularly beneficial hardness/toughness ratio. For maximum productivity and process reliability.

Xtra·tec®XT

Xtra·tec® XT is the latest generation of Walter milling tools. As the "Xtended" Xtra·tec® technology, it offers a completely new perspective on productivity and process reliability. It can cover nearly all milling operations in every common material group: More reliable, productive, cost-efficient than ever before – all while compensating for the CO_2 emissions through Walter Green.

X·treme Evo

The X·treme Evo solid carbide drills from the DC160 Advance product range and DC260 Advance step drills embody "the next generation of drilling": Can be used universally for all ISO material groups, machine concepts and applications. With outstanding tool life, productivity and process reliability.

Walter Capto™ is a modular tool adaptor system. It is suitable for all turning, milling, drilling and threading processes. Its ISO-standardized polygon taper absorbs torsional moments and bending moments extremely well and ensures optimal repeat accuracy.

Walter ConeFit is an extremely flexible solid carbide milling system with a wide range of high-performance exchangeable heads and shaft variants. Its conical thread can self-center, thereby guaranteeing maximum stability and concentrically.

Walter ScrewFit users benefit from maximum flexibility. Its modular interface is suitable for a wide variety of boring bars and adaptors and a wide range of tool diameters and lengths for milling and drilling.

The precision-ground QuadFit interface with taper and support face characteristics the precision of the vibration-damped boring bars for turning and thread turning with Walter Accure·tec technology. The exchangeable head system, which can be rotated by 180°, makes it possible to rapidly replace tools with high indexing accuracy.

In turning and grooving operations, the Walter precision cooling system provides cooling at the center of the chip formation. Its dual coolant jets are directed precisely onto the flank and rake faces. In drilling operations, the coolant jets exit close to the cutting edge, cooling the flank and rake faces at the same time. This system provides significantly increased tool life, improved chip breaking and chip removal, greater efficiency and higher quality.

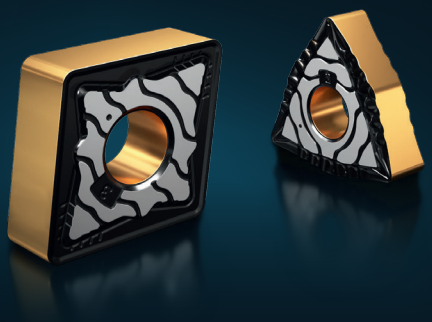
"Flash" refers to specialized solid carbide milling cutters for high-feed milling. Their end-face geometry reduces the chip thickness "h" and therefore enables an extremely high feed per tooth. Forces that occur are diverted axially towards the center of the tool, which helps to stabilize the machining process.

On Walter turning toolholders with "SmartLock", the clamping screw can be operated from the side of the tool. This makes it possible to change the inserts in the machine quickly and easily. Tool change times are reduced as a result. Ideal for use on CNC lathe and multi-spindle machines.

Tiger·tec® Gold







tigertec-gold.walter

WALTER
Engineering Kompetenz

A – Turning

A1: ISO turning

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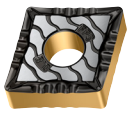
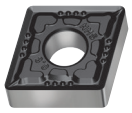
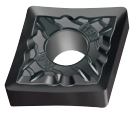
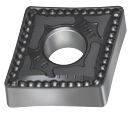
ISO indexable inserts – Negative basic shape

Machining	Finishing operation				Medium machining
	 Wiper				 Wiper
Geometry	**FW5**	**FM5**	**NFT**	**FP5**	**MW5**
Indexable inserts basic shape	C, D, T, W	C, D, S, T, V, W	C, D, V	C, D, S, T, V, W	C, D, T, W
P Steel	●●	●		●●	●●
M Stainless steel	●●	●●	●		●●
K Cast iron	●●			●	●●
N NF metals			●		
S Materials with difficult cutting properties	●	●●	●●		●
H Hard materials					
O Other					
a_p in [mm]	0.012-0.118 [0.3–3.0]	0.004-0.079 [0.1–2.0]	0.004-0.07 [0.1–2.0]	0.003-0.098 [0.08–2.5]	0.003-0.157 [0.8–4.0]
f in [mm]	0.004-0.026 [0.10–0.65]	0.001-0.010 [0.03–0.25]	0.002-0.008 [0.04–0.20]	0.002-0.011 [0.04–0.28]	0.006-0.028 [0.15–0.70]
Page in catalog	**A 22**	**A 22**	**A 22**	**A 22**	**A 24**
QR code					
www.walter-tools.com/woc/	FW5	FM5	NFT	FP5	MW5

Machining	Medium machining				
					
Geometry	**MN3**	**NMS**	**MS3**	**NMT**	**MP3**
Indexable inserts basic shape	C, D, V, W	C, D, S, T, V, W	C, D, T, V, W	C, D, W	C, D, S, T, V, W
P Steel	●		●	●●	●●
M Stainless steel	●	●	●		
K Cast iron					●
N NF metals	●●		●		
S Materials with difficult cutting properties	●	●●	●●	●●	
H Hard materials					
O Other					
a_p in [mm]	0.020-0.157 [0.5–4.0]	0.020-0.138 [0.5–3.5]	0.008-0.197 [0.2–5.0]	0.016-0.157 [0.4–4.0]	0.012-0.138 [0.3–3.5]
f in [mm]	0.002-0.016 [0.05–0.40]	0.003-0.018 [0.08-0.45]	0.001-0.020 [0.02–0.50]	0.003-0.013 [0.08–0.32]	0.002-0.016 [0.06–0.40]
Page in catalog	**A 18**	**A 20**	**A 18**	**A 20**	**A 19**
QR code					
www.walter-tools.com/woc/	MN3	NMS	MS3	NMT	MP3

WALTER SELECT ●● Primary application ● Other application

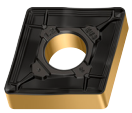
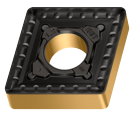
ISO indexable inserts – Negative basic shape

Machining	Medium machining				Roughing
					
Geometry	**MM5**	**MP5**	**MU5**	**MK5**	**NRS**
Indexable inserts basic shape	C, D, S, T, V, W	C, D, S, T, V, W	C, D, S, T, W	C, D, S, T, V, W	C, D, S, T, W
P Steel	●	●●	●●	●	
M Stainless steel	●●		●●		●
K Cast iron		●	●	●●	
N NF metals					
S Materials with difficult cutting properties	●●		●		●●
H Hard materials					
O Other					
a_p in [mm]	0.020-0.177 [0.5–4.5]	0.020-0.315 [0.5–8.0]	0.020-0.276 [0.5–7.0]	0.008-0.315 [0.2–8.0]	0.031-0.354 [0.8–9.0]
f in [mm]	0.004-0.018 [0.10–0.45]	0.004-0.022 [0.10–0.55]	0.006-0.022 [0.15–0.55]	0.004-0.031 [0.10–0.80]	0.005-0.024 [0.13–0.60]
Page in catalog	**A 19**	**A 19**	**A 19**	**A 19**	**A 20**
QR code					
www.walter-tools.com/woc/	MM5	MP5	MU5	MK5	NRS

Machining	Roughing				
					
Geometry	**NRT**	**RM5**	**RP5**	**RP7**	**RK5**
Indexable inserts basic shape	C, S	C, D, S, T, W	C, D, R, S, T, W	C, S, T, W	C, D, R, S, T, V, W
P Steel			●●	●●	
M Stainless steel		●●	●		
K Cast iron			●	●●	●●
N NF metals					
S Materials with difficult cutting properties	●●	●●			
H Hard materials					●
O Other					
a_p in [mm]	0.031-0.354 [0.8–9.0]	0.047-0.315 [1.2–8.0]	0.031-0.512 [0.8–13.0]	0.031-0.394 [0.8–10.0]	0.024-0.315 [0.6–8.0]
f in [mm]	0.007-0.031 [0.18–0.80]	0.20–0.80 [0.008-0.031]	0.006-0.047 [0.15–1.20]	0.007-0.039 [0.18–1.00]	0.006-0.035 [0.15–0.90]
Page in catalog	**A 20**	**A 20**	**A 21**	**A 21**	**A 22**
QR code					
www.walter-tools.com/woc/	NRT	RM5	RP5	RP7	RK5

WALTER SELECT ●● Primary application ● Other application

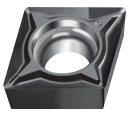
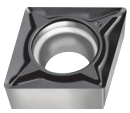
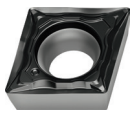
ISO indexable inserts – Negative basic shape

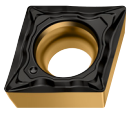
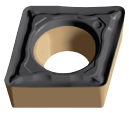
Machining	Roughing	Heavy machining			
					
Geometry	**RK7**	**HU3**	**NRF**	**HU5**	**HU7**
Indexable inserts basic shape	C, D, S, T, W	C, D, S, T, W	C, D	C, D, S	C, S, T
P Steel		●●	●●	●	●●
M Stainless steel		●	●	●●	●
K Cast iron	●●	●	●	●	●●
N NF metals					
S Materials with difficult cutting properties				●●	
H Hard materials	●●				
O Other					
a_p in [mm]	0.031-0.315 [0.8–8.0]	0.031-0.472 [0.8–12.0]	0.031-0.472 [0.8–12.0]	0.039-0.472 [1.0–12.0]	0.059-0.669 [1.5–17.0]
f in [mm]	0.008-0.031 [0.20–0.80]	0.010-0.047 [0.25–1.20]	0.010-0.047 [0.25–1.20]	0.010-0.047 [0.25–1.20]	0.016-0.063 [0.40–1.60]
Page in catalog	A 22	A 21	A 21	A 21	A 21
QR code					
www.walter-tools.com/woc/	RK7	HU3	NRF	HU5	HU7

WALTER SELECT

●● Primary application ● Other application

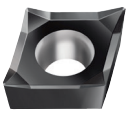
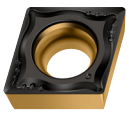
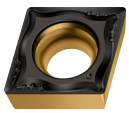
Positive basic shape 5°/7°/11° – Carbide

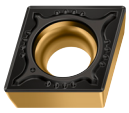
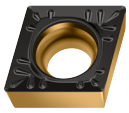
Machining	Finishing operation				
	 Wiper				
Geometry	**FW4**	**FN2**	**FM2**	**FP2**	**FM4**
Indexable inserts basic shape	C, D, T	C, D, S, T, V, W	C, D, S, T, V, W	C, D, T, V	C, D, R, S, T, V, W
P Steel	●●	●	●●	●●	●
M Stainless steel	●●	●	●●	●●	●●
K Cast iron	●●	●	●	●●	
N NF metals		●●	●●	●	
S Materials with difficult cutting properties	●	●	●●	●	●●
H Hard materials					
O Other		●			
a_p in [mm]	0.004-0.098 [0.1–2.5]	0.005-0.138 [0.12–3.5]	0.004-0.138 [0.1–3.5]	0.004-0.118 [0.1–3.0]	0.004-0.197 [0.1–5.0]
f in [mm]	0.001-0.020 [0.03–0.50]	0.001-0.012 [0.02–0.30]	0.001-0.012 [0.02–0.30]	0.0004-0.012 [0.01–0.30]	0.001-0.016 [0.02–0.40]
Page in catalog	**A 42**	**A 41**	**A 41**	**A 41**	**A 41**
QR code					
www.walter-tools.com/woc/	FW4	FN2	FM2	FP2	FM4

Machining	Finishing operation				
					
Geometry	**FP4**	**PF4**	**FM6**	**FP6**	**FK6**
Indexable inserts basic shape	C, D, R, S, T, V, W	C, D, V	C, D, S, T, V	C, D, S, T, V, W	C, D, S, T, V
P Steel	●●	●●	●	●●	●
M Stainless steel	●	●●	●●	●	●
K Cast iron	●			●	●●
N NF metals					
S Materials with difficult cutting properties	●	●●	●●	●	●
H Hard materials					
O Other					
a_p in [mm]	0.004-0.197 [0.1–5.0]	0.004-0.059 [0.1–1.5]	0.012-0.098 [0.3–2.5]	0.012-0.098 [0.3–2.5]	0.012-0.098 [0.3–2.5]
f in [mm]	0.001-0.016 [0.02–0.40]	0.002-0.008 [0.04–0.20]	0.003-0.013 [0.08–0.32]	0.002-0.013 [0.06–0.32]	0.002-0.013 [0.06–0.32]
Page in catalog	**A 40**	**A 42**	**A 42**	**A 42**	**A 46**
QR code					
www.walter-tools.com/woc/	FP4	PF4	FM6	FP6	FK6

WALTER SELECT ●● Primary application ● Other application

Positive basic shape 5°/7°/11° – Carbide

Machining	Medium machining				
	 Wiper				
Geometry	**MW4**	**MN2**	**MM4**	**MP4**	**MK4**
Indexable inserts basic shape	C, D, T	C, D, R, S, T, V, W	C, D, S, T, V, W	C, D, S, T, V, W	C, D, S, T, V
P Steel	●●	●	●	●●	●
M Stainless steel	●●	●	●●	●	●
K Cast iron	●●		●	●	●●
N NF metals		●●			
S Materials with difficult cutting properties	●	●	●●	●	●
H Hard materials					
O Other		●			
a_p in [mm]	0.020-0.177 [0.5–4.5]	0.020-0.236 [0.5–6.0]	0.004-0.138 [0.1–3.5]	0.012-0.138 [0.3–3.5]	0.016-0.138 [0.4–3.5]
f in [mm]	0.12–0.55	0.001-0.031 [0.02–0.80]	0.002-0.014 [0.04–0.35]	0.002-0.014 [0.06–0.35]	0.003-0.014 [0.08–0.35]
Page in catalog	**A 42**	**A 41**	**A 41**	**A 41**	**A 47**
QR code					
www.walter-tools.com/woc/	MW4	MN2	MM4	MP4	MK4

Machining	Medium machining			Roughing	
					
Geometry	**MP6**	**..GN**	**..MR**	**RM4**	**RP4**
Indexable inserts basic shape	C, D, T, V	T	T	C, D, R, S, T, V, W	C, D, R, S, T, V, W
P Steel	●●	●●	●●	●	●●
M Stainless steel	●	●	●	●●	●
K Cast iron	●	●	●●	●	●
N NF metals					
S Materials with difficult cutting properties	●	●	●	●●	●
H Hard materials					
O Other					
a_p in [mm]	0.016-0.157 [0.4–4.0]	0.016-0.118 [0.4–3.0]	0.016-0.157 [0.4–4.0]	0.008-0.276 [0.2–7.0]	0.008-0.276 [0.2–7.0]
f in [mm]	0.003-0.016 [0.08–0.40]	0.004-0.012 [0.10–0.30]	0.005-0.012 [0.12–0.30]	0.003-0.047 [0.08–1.20]	0.003-0.047 [0.08–1.20]
Page in catalog	**A 38**	**A 53**	**A 53**	**A 52**	**A 52**
QR code					
www.walter-tools.com/woc/	MP6	TPGN	TPMR	RM4	RP4

WALTER SELECT ●● Primary application ● Other application

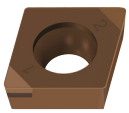
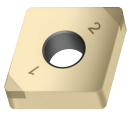
Positive basic shape 5°/7°/11° – Carbide

Machining	Roughing		Heavy machining
			
Geometry	**RK4**	**RK6**	**HU6**
Indexable inserts basic shape	C, D, R, S, T, V, W	C, D, S, T, V	R
P Steel	●		●●
M Stainless steel	●		
K Cast iron	●●	●●	●●
N NF metals			
S Materials with difficult cutting properties	●		
H Hard materials		●	
O Other			
a_p in [mm]	0.016-0.276 [0.4–7.0]	0.008-0.197 [0.2–5.0]	0.039-0.591 [1.0–15.0]
f in [mm]	0.003-0.047 [0.08–1.20]	0.003-0.020 [0.08–0.50]	0.005-0.067 [0.12–1.70]
Page in catalog	**A 58**	**A 56**	**A 45**
QR code			
www.walter-tools.com/woc/	RK4	RK6	HU6

WALTER SELECT

●● Primary application ● Other application

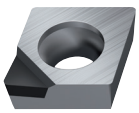
ISO indexable inserts – CBN/PCD/ceramic

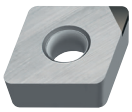
Machining	Finishing operation				
					 Chipbreaker
Geometry	**EM**	**TS**	**TS-MW**	**TM**	**TM-M**
Indexable inserts basic shape	C. D. V	C. D. S. T. V. W	C	C. D. S. T. V. W	C. D
P Steel					
M Stainless steel					
K Cast iron					
N NF metals					
S Materials with difficult cutting properties	●●				
H Hard materials		●●	●●	●●	●●
O Other					
a_p in [mm]	0.004-0.039 [0.1–1.0]	0.002-0.079 [0.05–2.0]	0.004-0.020 [0.1–0.5]	0.004-0.039 [0.1–1.0]	0.004-0.039 [0.1–1.0]
f in [mm]	0.002-0.010 [0.05–0.25]	0.001-0.012 [0.02–0.30]	0.002-0.008 [0.05–0.20]	0.002-0.012 [0.05–0.30]	0.002-0.012 [0.05–0.30]
Page in catalog	**A 61**	**A 61**	**A 71**	**A 61**	**A 61**
QR code					
www.walter-tools.com/woc/	EM	TS	TS-MW	TM	TM-M

Machining	Finishing operation		Finishing operation	Medium machining	
					
Geometry	**TM-MW**	**TS-0**	**TM-S**	**E**	**T01020**
Indexable inserts basic shape	C, D	R	C, R, S	R	C, R, S
P Steel					
M Stainless steel					
K Cast iron			●●		
N NF metals					
S Materials with difficult cutting properties				●●	●●
H Hard materials	●●	●●	●		●
O Other					
a_p in [mm]	0.004-0.039 [0.1–1.0]	0.004-0.197 [0.1–5.0]	0.004-0.197 [0.1–5.0]	0.004-0.142 [0.1–3.6]	0.004-0.177 [0.1–4.5]
f in [mm]	0.002-0.020 [0.05–0.50]	0.002-0.016 [0.05–0.40]	0.002-0.020 [0.05–0.50]	0.004-0.126 [0.10–0.32]	0.004-0.017 [0.10–0.42]
Page in catalog	**A 61**	**A 63**	**A 62**	**A 68**	**A 66**
QR code					
www.walter-tools.com/woc/	TM-MW	TS-0	TM-S	E	T01020

WALTER SELECT ●● Primary application ● Other application

ISO indexable inserts – CBN/PCD/ceramic

Machining	Roughing	Finishing operation			
					
Geometry	**T02020**	**SM**	**SM-MWS**	**T-FS**	**W-FS**
Indexable inserts basic shape	C, D, S, T, W	C, D, S, T, V, W	C, W	C, D, V	C, D, S, T, V
P Steel					
M Stainless steel					
K Cast iron	●●				
N NF metals				●●	●●
S Materials with difficult cutting properties				●	●
H Hard materials		●●	●●		
O Other				●●	●●
a_p in [mm]	0.004-0.236 [0.1–6.0]	0.004-0.039 [0.1–1.0]	0.004-0.039 [0.1–1.0]	0.002-0.157 [0.05–4.0]	0.002-0.157 [0.05–4.0]
f in [mm]	0.004-0.031 [0.10–0.80]	0.002-0.012 [0.05–0.30]	0.002-0.014 [0.05–0.35]	0.001-0.015 [0.03–0.38]	0.001-0.015 [0.03–0.38]
Page in catalog	**A 66**	**A 66**	**A 66**	**A 78**	**A 77**
QR code					
www.walter-tools.com/woc/	T02020	SM	SM-MWS	T-FS	W-FS

Machining	Medium machining	Roughing	
			
Geometry	**FS-M**	**FS-9**	**A27**
Indexable inserts basic shape	C, D	C, S, T	C, W
P Steel			●●
M Stainless steel			●●
K Cast iron			●
N NF metals	●●	●●	●
S Materials with difficult cutting properties	●	●	
H Hard materials			
O Other	●●	●●	●
a_p [mm]	0.004-0.079 [0.1–2.0]	0.002-0.602 [0.05–15.3]	0.002 [0.05]
f [mm]	0.003-0.008 [0.08–0.20]	0.001-0.015 [0.03–0.38]	0.002-0.008 [0.05–0.20]
Page in catalog	**A 78**	**A 78**	**A 71**
QR code			
www.walter-tools.com/woc/	FS-M	FS-9	A27

WALTER SELECT ●● Primary application ● Other application

Inserts copy turning system – WL

Machining	Medium machining
	
Geometry	**TM**
Indexable inserts basic shape	W
P Steel	
M Stainless steel	
K Cast iron	
N NF metals	
S Materials with difficult cutting properties	
H Hard materials	●●
O Other	
a_p in [mm]	0.004-0.098 [0.1–2.5]
f in [mm]	0.001-0.020 [0.02–0.50]
Page in catalog	A 82
QR code	
www.walter-tools.com/woc/	TM

WALTER SELECT

●● Primary application ● Other application

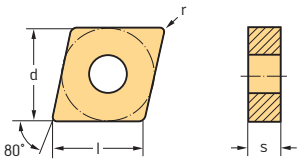
Inserts copy turning system – WL

Machining	Finishing operation		Medium machining		
					
Geometry	**FM4**	**FP4**	**MM4**	**MP4**	**MU6**
Indexable inserts basic shape	W	W	W	W	W
P Steel	●●	●	●●	●	●●
M Stainless steel	●●	●	●●	●	●●
K Cast iron		●	●	●	●●
N NF metals					
S Materials with difficult cutting properties	●●	●	●●	●	●●
H Hard materials					●
O Other					
a_p in [mm]	0.004-0.079 [0.1–2.0]	0.004-0.079 [0.1–2.0]	0.016-0.098 [0.4–2.5]	0.016-0.098 [0.4–2.5]	0.020-0.098 [0.5–2.5]
f in [mm]	0.002-0.010 [0.04–0.25]	0.002-0.010 [0.05–0.25]	0.003-0.016 [0.08–0.40]	0.003-0.016 [0.08–0.40]	0.005-0.018 [0.12–0.45]
Page in catalog	**A 59**	**A 59**	**A 59**	**A 59**	**A 59**
QR code					
www.walter-tools.com/woc/	FM4	FP4	MM4	MP4	MU6

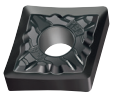
WALTER SELECT

●● Primary application ● Other application

Negative rhombic 80°
CNGG / CNMA / CNMG / CNMM
Tiger·tec® Gold



Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	K HC WKP30S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	CNGG4(3)0.5M-MN3	CNGG120402M-MN3	0.508	0.008	0.002-0.005	0.020-0.118															😐	😐					
	CNGG431M-MN3	CNGG120404M-MN3	0.508	0.016	0.003-0.012	0.031-0.157															😐	😐					
	CNGG432M-MN3	CNGG120408M-MN3	0.508	0.030	0.004-0.016	0.039-0.157															😐	😐					
	CNGG4(3)0.2-MS3	CNGG120401-MS3	0.508	0.004	0.001-0.002	0.008-0.098								😊									😊				
	CNGG4(3)0.5-MS3	CNGG120402-MS3	0.508	0.008	0.002-0.005	0.016-0.098								😊									😊				
	CNGG431-MS3	CNGG120404-MS3	0.508	0.016	0.004-0.010	0.024-0.118								😊									😊				
	CNGG432-MS3	CNGG120408-MS3	0.508	0.031	0.005-0.012	0.031-0.118								😊									😊				
	CNGG431-NFT	CNGG120404-NFT	0.508	0.016	0.002-0.006	0.012-0.059																					😊
	CNGG432-NFT	CNGG120408-NFT	0.508	0.031	0.003-0.007	0.016-0.079																					😊
	CNMA431-RK5	CNMA120404-RK5	0.508	0.016	0.006-0.01	0.024-0.197												😊	😐								
	CNMA432-RK5	CNMA120408-RK5	0.508	0.031	0.010-0.02	0.031-0.197								😊				😊	😐								
	CNMA433-RK5	CNMA120412-RK5	0.508	0.047	0.012-0.02	0.047-0.197												😊	😐								
	CNMA434-RK5	CNMA120416-RK5	0.508	0.063	0.014-0.028	0.059-0.197												😊	😐								
	CNMA543-RK5	CNMA160612-RK5	0.635	0.047	0.014-0.028	0.047-0.276												😊	😐								
	CNMA544-RK5	CNMA160616-RK5	0.635	0.063	0.014-0.031	0.059-0.276												😊	😐								
	CNMA643-RK5	CNMA190612-RK5	0.761	0.047	0.012-0.026	0.047-0.315													😐								
	CNMA644-RK5	CNMA190616-RK5	0.761	0.063	0.014-0.031	0.059-0.315													😐								
	CNMA646-RK5	CNMA190624-RK5	0.761	0.094	0.016-0.035	0.098-0.315													😐								
	CNMA432-RK7	CNMA120408-RK7	0.508	0.031	0.010-0.020	0.031-0.197												😊	😐								
	CNMA433-RK7	CNMA120412-RK7	0.508	0.047	0.012-0.020	0.047-0.197												😊	😐								
	CNMA434-RK7	CNMA120416-RK7	0.508	0.063	0.014-0.028	0.059-0.197												😊	😐								
	CNMA543-RK7	CNMA160612-RK7	0.635	0.047	0.014-0.028	0.047-0.276												😊	😐								
	CNMA544-RK7	CNMA160616-RK7	0.635	0.063	0.014-0.031	0.059-0.276												😊	😐								
	CNMA644-RK7	CNMA190616-RK7	0.761	0.063	0.014-0.031	0.059-0.315												😊	😐								
	CNMG4(3)0.5-FM5	CNMG120402-FM5	0.508	0.008	0.001-0.004	0.004-0.039									😊	😐								😊	😐		
	CNMG431-FM5	CNMG120404-FM5	0.508	0.016	0.002-0.006	0.008-0.059	😐						😐		😊	😐								😊	😐		
	CNMG432-FM5	CNMG120408-FM5	0.508	0.031	0.003-0.008	0.016-0.059	😐						😐		😊	😐								😊	😐		
	CNMG433-FM5	CNMG120412-FM5	0.508	0.047	0.004-0.010	0.02-0.079										😐									😐		
	CNMG321-FP5	CNMG090304-FP5	0.381	0.016	0.002-0.008	0.004-0.059			😊	😐																	
	CNMG322-FP5	CNMG090308-FP5	0.381	0.031	0.003-0.010	0.008-0.079			😊	😐																	
	CNMG4(3)0.5-FP5	CNMG120402-FP5	0.508	0.008	0.002-0.005	0.004-0.020						😊															
	CNMG431-FP5	CNMG120404-FP5	0.508	0.016	0.002-0.008	0.004-0.059			😊	😐		😊															
	CNMG432-FP5	CNMG120408-FP5	0.508	0.031	0.003-0.010	0.008-0.079			😊	😐		😊															
	CNMG433-FP5	CNMG120412-FP5	0.508	0.047	0.004-0.010	0.020-0.098			😊	😐																	
 Wiper	CNMG431-FW5	CNMG120404-FW5	0.508	0.016	0.004-0.016	0.012-0.118			😊	😐					😊	😐								😊	😐		
	CNMG432-FW5	CNMG120408-FW5	0.508	0.031	0.006-0.024	0.016-0.118			😊	😐					😊	😐								😊	😐		

See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: CNGG4(3)0.5M-MN3 WN10

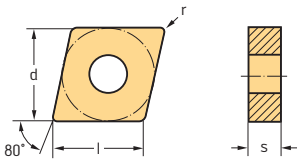
HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Negative rhombic 80°

CNGG / CNMA / CNMG / CNMM

Tiger·tec® Gold



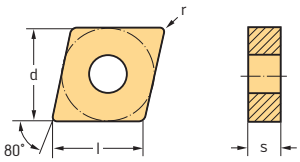
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	K HC WKP30S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	CNMG322-MK5	CNMG090308-MK5	0.381	0.031	0.004-0.008	0.008-0.118													●								
	CNMG431-MK5	CNMG120404-MK5	0.508	0.016	0.006-0.010	0.024-0.197												●	●								
	CNMG432-MK5	CNMG120408-MK5	0.508	0.031	0.010-0.020	0.031-0.197												●	●	○							
	CNMG433-MK5	CNMG120412-MK5	0.508	0.047	0.012-0.020	0.047-0.197												●	●	○							
	CNMG434-MK5	CNMG120416-MK5	0.508	0.063	0.014-0.020	0.059-0.197												●	●								
	CNMG542-MK5	CNMG160608-MK5	0.635	0.031	0.010-0.020	0.031-0.276												●	●								
	CNMG543-MK5	CNMG160612-MK5	0.635	0.047	0.012-0.024	0.047-0.276												●	●	○							
	CNMG544-MK5	CNMG160616-MK5	0.635	0.063	0.014-0.024	0.059-0.276												●	●								
	CNMG643-MK5	CNMG190612-MK5	0.761	0.047	0.012-0.026	0.047-0.315												●	●								
	CNMG644-MK5	CNMG190616-MK5	0.761	0.063	0.014-0.031	0.059-0.315												●	●								
	CNMG431-MM5	CNMG120404-MM5	0.508	0.016	0.004-0.008	0.020-0.118	●						●		●	●	○						●	●	○		
	CNMG432-MM5	CNMG120408-MM5	0.508	0.031	0.006-0.013	0.031-0.118	●						●		●	●	○						●	●	○		
	CNMG433-MM5	CNMG120412-MM5	0.508	0.047	0.006-0.014	0.031-0.138	●						●		●	●	○						●	●	○		
	CNMG434-MM5	CNMG120416-MM5	0.508	0.063	0.006-0.016	0.039-0.157										●	○							●	○		
	CNMG542-MM5	CNMG160608-MM5	0.635	0.031	0.006-0.014	0.031-0.177	●						●		●	●	○						●	●	○		
	CNMG543-MM5	CNMG160612-MM5	0.635	0.047	0.007-0.016	0.031-0.177	●						●		●	●	○						●	●	○		
	CNMG544-MM5	CNMG160616-MM5	0.635	0.063	0.008-0.018	0.039-0.177										●	○							●	○		
	CNMG321-MP3	CNMG090304-MP3	0.381	0.016	0.002-0.008	0.012-0.087			●	●																	
	CNMG322-MP3	CNMG090308-MP3	0.381	0.031	0.004-0.011	0.024-0.118			●	●	○																
	CNMG431-MP3	CNMG120404-MP3	0.508	0.016	0.003-0.009	0.012-0.098			●	●	○																
	CNMG432-MP3	CNMG120408-MP3	0.508	0.031	0.005-0.013	0.024-0.126		●	●	●	○																
	CNMG433-MP3	CNMG120412-MP3	0.508	0.047	0.006-0.016	0.031-0.138		●	●	●	○																
	CNMG431-MP5	CNMG120404-MP5	0.508	0.016	0.006-0.010	0.020-0.157			●	●	○																
	CNMG432-MP5	CNMG120408-MP5	0.508	0.031	0.007-0.016	0.024-0.197		●	●	●	○							●									
	CNMG433-MP5	CNMG120412-MP5	0.508	0.047	0.008-0.018	0.039-0.197		●	●	●	○																
	CNMG434-MP5	CNMG120416-MP5	0.508	0.063	0.010-0.020	0.047-0.197			●	●	○																
	CNMG542-MP5	CNMG160608-MP5	0.635	0.031	0.010-0.016	0.031-0.276			●	●	○																
	CNMG543-MP5	CNMG160612-MP5	0.635	0.047	0.012-0.020	0.039-0.276		●	●	●	○																
	CNMG544-MP5	CNMG160616-MP5	0.635	0.063	0.014-0.022	0.047-0.276			●	●	○																
	CNMG431-MS3	CNMG120404-MS3	0.508	0.016	0.005-0.01	0.024-0.118				●			●	●	●	●	○						●	●	●	○	●
	CNMG432-MS3	CNMG120408-MS3	0.508	0.031	0.006-0.012	0.031-0.118			●	●			●	●	●	●	○						●	●	●	○	
	CNMG433-MS3	CNMG120412-MS3	0.508	0.047	0.006-0.016	0.039-0.138				●			●	●	●	●							●	●	●		
	CNMG643-MS3	CNMG190612-MS3	0.761	0.047	0.007-0.02	0.047-0.197								●		●							●		●		
	CNMG431-MU5	CNMG120404-MU5	0.508	0.016	0.006-0.012	0.020-0.157	●		●	●			●			●									●		
	CNMG432-MU5	CNMG120408-MU5	0.508	0.031	0.006-0.016	0.024-0.197	●	●	●	●			●			●									●		
	CNMG433-MU5	CNMG120412-MU5	0.508	0.047	0.008-0.020	0.039-0.197	●	●	●	●			●			●									●		
	CNMG434-MU5	CNMG120416-MU5	0.508	0.063	0.010-0.022	0.047-0.197		●	●	●																	
	CNMG543-MU5	CNMG160612-MU5	0.635	0.047	0.012-0.022	0.039-0.276	●	●	●	●			●			●									●		
	CNMG544-MU5	CNMG160616-MU5	0.635	0.063	0.014-0.022	0.047-0.276			●	●																	
 Wiper	CNMG432-MW5	CNMG120408-MW5	0.508	0.031	0.008-0.026	0.031-0.157	●	●	●	●			●					●	●								
	CNMG433-MW5	CNMG120412-MW5	0.508	0.047	0.010-0.028	0.059-0.157	●	●	●	●			●					●	●								

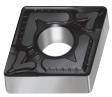
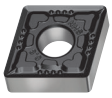
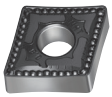
See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: CNGG4(3)0.5M-MN3 WN10

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Negative rhombic 80°
CNGG / CNMA / CNMG / CNMM
Tiger·tec® Gold



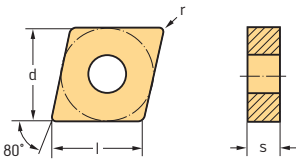
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	K HC WKP30S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	CNMG431-NFT	CNMG120404-NFT	0.508	0.016	0.003-0.007	0.016-0.059										●								●		●
	CNMG432-NFT	CNMG120408-NFT	0.508	0.031	0.004-0.008	0.020-0.079										●								●		●
	CNMG431-NMS	CNMG120404-NMS	0.508	0.016	0.004-0.009	0.024-0.098								●	●	●	●							●	●	●	
	CNMG432-NMS	CNMG120408-NMS	0.508	0.031	0.005-0.013	0.031-0.138								●	●	●	●							●	●	●	
	CNMG433-NMS	CNMG120412-NMS	0.508	0.047	0.006-0.014	0.039-0.138									●	●								●	●		
	CNMG432-NMT	CNMG120408-NMT	0.508	0.031	0.005-0.012	0.031-0.157										●								●		●
	CNMG433-NMT	CNMG120412-NMT	0.508	0.047	0.006-0.013	0.039-0.157										●								●		●
	CNMG432-NRS	CNMG120408-NRS	0.508	0.031	0.006-0.014	0.039-0.157	●						●	●	●	●	●							●	●	●	
	CNMG433-NRS	CNMG120412-NRS	0.508	0.047	0.007-0.016	0.047-0.157	●						●	●	●	●	●							●	●	●	
	CNMG543-NRS	CNMG160612-NRS	0.635	0.047	0.008-0.018	0.047-0.256	●						●		●	●	●							●	●	●	
	CNMG544-NRS	CNMG160616-NRS	0.635	0.063	0.009-0.020	0.059-0.256									●	●								●	●		
	CNMG642-NRS	CNMG190608-NRS	0.761	0.031	0.008-0.018	0.039-0.315									●	●								●	●		
	CNMG643-NRS	CNMG190612-NRS	0.761	0.047	0.009-0.020	0.047-0.335									●	●								●	●		
	CNMG432-NRT	CNMG120408-NRT	0.508	0.031	0.007-0.014	0.039-0.236										●								●		●
	CNMG433-NRT	CNMG120412-NRT	0.508	0.047	0.008-0.016	0.047-0.236																					●
	CNMG543-NRT	CNMG160612-NRT	0.635	0.047	0.011-0.022	0.059-0.295																					●
	CNMG644-NRT	CNMG190616-NRT	0.761	0.063	0.014-0.028	0.079-0.354										●								●		●
	CNMG432-RM5	CNMG120408-RM5	0.508	0.031	0.008-0.016	0.047-0.197	●		●	●			●		●	●	●							●	●	●	
	CNMG433-RM5	CNMG120412-RM5	0.508	0.047	0.010-0.020	0.059-0.197	●		●	●			●		●	●	●							●	●	●	
	CNMG434-RM5	CNMG120416-RM5	0.508	0.063	0.012-0.022	0.079-0.197										●	●								●	●	
	CNMG542-RM5	CNMG160608-RM5	0.635	0.031	0.009-0.018	0.047-0.276									●	●	●							●	●	●	
	CNMG543-RM5	CNMG160612-RM5	0.635	0.047	0.010-0.024	0.059-0.276	●						●		●	●	●							●	●	●	
	CNMG544-RM5	CNMG160616-RM5	0.635	0.063	0.012-0.026	0.079-0.276										●	●								●	●	
	CNMG643-RM5	CNMG190612-RM5	0.761	0.047	0.010-0.024	0.059-0.315	●						●		●	●	●							●	●	●	
	CNMG644-RM5	CNMG190616-RM5	0.761	0.063	0.012-0.031	0.079-0.315										●	●								●	●	

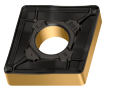
See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: CNGG4(3)0.5M-MN3 WN10

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Negative rhombic 80°
CNGG / CNMA / CNMG / CNMM
Tiger·tec® Gold



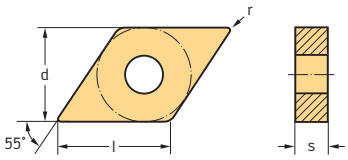
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P						M						K			N		S					
									HC			HE		HC						HC		HC	HW		HC			HW	
							WMP20S	WPP05S	WPP10G	WPP20G	WPP30G	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WKP30S	WNN10	WN10	WSM01	WSM10S	WSM20S	WSM30S	WS10
	CNMG432-RP5	CNMG120408-RP5	0.508	0.031	0.008-0.016	0.031-0.236		●	●	●	●							●											
	CNMG433-RP5	CNMG120412-RP5	0.508	0.047	0.010-0.024	0.039-0.236		●	●	●	●							●											
	CNMG434-RP5	CNMG120416-RP5	0.508	0.063	0.014-0.028	0.063-0.236		●	●	●	●																		
	CNMG542-RP5	CNMG160608-RP5	0.635	0.031	0.010-0.020	0.039-0.315			●	●	●																		
	CNMG543-RP5	CNMG160612-RP5	0.635	0.047	0.014-0.026	0.047-0.315		●	●	●	●																		
	CNMG544-RP5	CNMG160616-RP5	0.635	0.063	0.016-0.028	0.063-0.315		●	●	●	●																		
	CNMG546-RP5	CNMG160624-RP5	0.635	0.094	0.016-0.035	0.079-0.315			●	●																			
	CNMG642-RP5	CNMG190608-RP5	0.761	0.031	0.010-0.020	0.039-0.394			●	●	●																		
	CNMG643-RP5	CNMG190612-RP5	0.761	0.047	0.012-0.028	0.047-0.394		●	●	●	●																		
	CNMG644-RP5	CNMG190616-RP5	0.761	0.063	0.014-0.031	0.063-0.394			●	●	●																		
	CNMG646-RP5	CNMG190624-RP5	0.761	0.094	0.018-0.039	0.079-0.394			●	●																			
	CNMG866-RP5	CNMG250924-RP5	1.015	0.094	0.018-0.047	0.079-0.472				●																			
	CNMG432-RP7	CNMG120408-RP7	0.508	0.031	0.007-0.016	0.031-0.197			●	●	●																		
	CNMG433-RP7	CNMG120412-RP7	0.508	0.047	0.010-0.020	0.047-0.197			●	●	●																		
	CNMG434-RP7	CNMG120416-RP7	0.508	0.063	0.014-0.020	0.059-0.197			●	●	●																		
	CNMG542-RP7	CNMG160608-RP7	0.635	0.031	0.012-0.020	0.031-0.236			●	●	●																		
	CNMG543-RP7	CNMG160612-RP7	0.635	0.047	0.014-0.024	0.047-0.236			●	●	●																		
	CNMG544-RP7	CNMG160616-RP7	0.635	0.063	0.016-0.024	0.059-0.236			●	●	●																		
	CNMG643-RP7	CNMG190612-RP7	0.761	0.047	0.014-0.024	0.047-0.276			●	●	●																		
	CNMG644-RP7	CNMG190616-RP7	0.761	0.063	0.014-0.030	0.059-0.276			●	●	●																		
	CNMG866-RP7	CNMG250924-RP7	1.015	0.094	0.018-0.039	0.118-0.354				●																			
	CNMM432-HU3	CNMM120408-HU3	0.508	0.031	0.012-0.020	0.031-0.276			●	●	●																		
	CNMM433-HU3	CNMM120412-HU3	0.508	0.047	0.014-0.028	0.047-0.276			●	●	●																		
	CNMM434-HU3	CNMM120416-HU3	0.508	0.063	0.016-0.031	0.063-0.276			●	●																			
	CNMM543-HU3	CNMM160612-HU3	0.635	0.047	0.014-0.028	0.047-0.354			●	●	●																		
	CNMM544-HU3	CNMM160616-HU3	0.635	0.063	0.016-0.035	0.063-0.354			●	●	●																		
	CNMM546-HU3	CNMM160624-HU3	0.635	0.094	0.018-0.039	0.094-0.354			●	●																			
	CNMM643-HU3	CNMM190612-HU3	0.761	0.047	0.014-0.028	0.047-0.394			●	●	●																		
	CNMM644-HU3	CNMM190616-HU3	0.761	0.063	0.016-0.035	0.063-0.394			●	●	●																		
	CNMM646-HU3	CNMM190624-HU3	0.761	0.094	0.018-0.043	0.094-0.394				●	●																		
	CNMM866-HU3	CNMM250924-HU3	1.015	0.094	0.018-0.047	0.094-0.472				●																			
	CNMM432-HU5	CNMM120408-HU5	0.508	0.031	0.010-0.022	0.039-0.276	◐		●	◐			◐			◐	◐								◐	◐			
	CNMM433-HU5	CNMM120412-HU5	0.508	0.047	0.012-0.028	0.059-0.276	◐		●	◐			◐			◐	◐								◐	◐			
	CNMM543-HU5	CNMM160612-HU5	0.635	0.047	0.014-0.028	0.059-0.354	◐		●	◐			◐			◐	◐								◐	◐			
	CNMM544-HU5	CNMM160616-HU5	0.635	0.063	0.016-0.031	0.079-0.354	◐		●	◐			◐			◐	◐								◐	◐			
	CNMM643-HU5	CNMM190612-HU5	0.761	0.047	0.014-0.028	0.059-0.394	◐		●	◐			◐			◐	◐								◐	◐			
	CNMM644-HU5	CNMM190616-HU5	0.761	0.063	0.016-0.035	0.079-0.394	◐		●	◐			◐			◐	◐								◐	◐			
	CNMM646-HU5	CNMM190624-HU5	0.761	0.094	0.018-0.039	0.079-0.394			●	◐																			
	CNMM433-HU7	CNMM120412-HU7	0.508	0.047	0.016-0.031	0.059-0.315			●	◐																			
	CNMM543-HU7	CNMM160612-HU7	0.635	0.047	0.020-0.035	0.079-0.394			●	◐	●																		
	CNMM544-HU7	CNMM160616-HU7	0.635	0.063	0.020-0.043	0.079-0.394			●	◐																			
	CNMM546-HU7	CNMM160624-HU7	0.635	0.094	0.020-0.051	0.079-0.394			●	◐																			
	CNMM643-HU7	CNMM190612-HU7	0.761	0.047	0.500–0.900	0.079-0.512			●	◐	●																		
	CNMM644-HU7	CNMM190616-HU7	0.761	0.063	0.500–1.100	0.079-0.512			●	◐	●																		
	CNMM646-HU7	CNMM190624-HU7	0.761	0.094	0.600–1.600	0.118-0.512			●	◐	●																		
	CNMM866-HU7	CNMM250924-HU7	1.015	0.094	0.600–1.600	0.118-0.669				◐	●																		
	CNMM433-NRF	CNMM120412-NRF	0.508	0.047	0.350–0.700	0.047-0.276		●																					
	CNMM544-NRF	CNMM160616-NRF	0.635	0.063	0.400–0.900	0.063-0.354		●																					

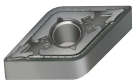
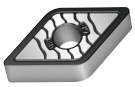
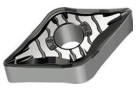
See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: CNGG4(3)0.5M-MN3 WN10

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Negative rhombic 55°
DNGG / DNMA / DNMG / DNMM
Tiger·tec® Gold



Indexable inserts

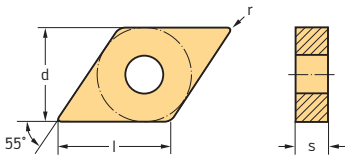
	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	DNGG3(3)0.5M-MN3	DNGG110402M-MN3	0.458	0.008	0.002-0.005	0.020-0.079														☺	☺						
	DNGG331M-MN3	DNGG110404M-MN3	0.458	0.016	0.003-0.012	0.024-0.118														☺	☺						
	DNGG4(3)0.5-MS3	DNGG150402-MS3	0.610	0.008	0.002-0.005	0.016-0.079								☺								☺					
	DNGG431-MS3	DNGG150404-MS3	0.610	0.016	0.004-0.010	0.024-0.098								☺								☺					
	DNGG432-MS3	DNGG150408-MS3	0.610	0.031	0.005-0.012	0.031-0.098								☺								☺					
	DNGG441-NFT	DNGG150604-NFT	0.610	0.016	0.002-0.006	0.008-0.059																					☺
	DNGG442-NFT	DNGG150608-NFT	0.610	0.031	0.003-0.007	0.012-0.079																					☺
	DNMA331-RK5	DNMA110404-RK5	0.458	0.016	0.006-0.010	0.024-0.157												☺									
	DNMA332-RK5	DNMA110408-RK5	0.458	0.031	0.007-0.016	0.024-0.157												☺	☹								
	DNMA432-RK5	DNMA150408-RK5	0.610	0.031	0.006-0.020	0.031-0.157												☺	☹								
	DNMA433-RK5	DNMA150412-RK5	0.610	0.047	0.008-0.024	0.059-0.157													☹								
	DNMA442-RK5	DNMA150608-RK5	0.610	0.031	0.008-0.018	0.031-0.197												☺	☹								
	DNMA443-RK5	DNMA150612-RK5	0.610	0.047	0.010-0.018	0.047-0.197												☺	☹								
	DNMA442-RK7	DNMA150608-RK7	0.610	0.031	0.008-0.018	0.031-0.197												☺	☹								
	DNMA443-RK7	DNMA150612-RK7	0.610	0.047	0.010-0.018	0.047-0.197												☺									
	DNMG331-FM5	DNMG110404-FM5	0.458	0.016	0.002-0.006	0.008-0.039	☹						☹		☺	☺							☺	☺			
	DNMG332-FM5	DNMG110408-FM5	0.458	0.031	0.003-0.008	0.016-0.059	☹						☹		☺	☺							☺	☺			
	DNMG431-FM5	DNMG150404-FM5	0.610	0.016	0.002-0.006	0.008-0.059	☹						☹		☺	☺							☺	☺			
	DNMG432-FM5	DNMG150408-FM5	0.610	0.031	0.003-0.008	0.016-0.059									☺	☺							☺	☺			
	DNMG4(4)0.5-FM5	DNMG150602-FM5	0.610	0.008	0.001-0.004	0.004-0.039									☺	☺							☺	☺			
	DNMG441-FM5	DNMG150604-FM5	0.610	0.016	0.002-0.006	0.008-0.059	☹						☹		☺	☺							☺	☺			
	DNMG442-FM5	DNMG150608-FM5	0.610	0.031	0.003-0.008	0.016-0.059	☹						☹		☺	☺							☺	☺			
	DNMG3(3)0.5-FP5	DNMG110402-FP5	0.458	0.008	0.002-0.005	0.004-0.020			☺	☹		☺															
	DNMG331-FP5	DNMG110404-FP5	0.458	0.016	0.002-0.008	0.004-0.059			☺	☹		☺															
	DNMG332-FP5	DNMG110408-FP5	0.458	0.031	0.003-0.010	0.008-0.079			☺	☹		☺															
	DNMG333-FP5	DNMG110412-FP5	0.458	0.047	0.004-0.010	0.020-0.098			☺	☹																	
	DNMG431-FP5	DNMG150404-FP5	0.610	0.016	0.002-0.008	0.004-0.059			☺	☹		☺															
	DNMG432-FP5	DNMG150408-FP5	0.610	0.031	0.003-0.010	0.008-0.079			☺	☹		☺															
	DNMG433-FP5	DNMG150412-FP5	0.610	0.047	0.004-0.010	0.020-0.098			☺	☹		☺															
	DNMG441-FP5	DNMG150604-FP5	0.610	0.016	0.002-0.008	0.004-0.059			☺	☹		☺															
	DNMG442-FP5	DNMG150608-FP5	0.610	0.031	0.003-0.010	0.008-0.079			☺	☹		☺															
	DNMG443-FP5	DNMG150612-FP5	0.610	0.047	0.004-0.010	0.020-0.098			☺	☹		☺															
 Wiper	DNMG331-FW5	DNMG110404-FW5	0.458	0.016	0.004-0.014	0.012-0.079			☺	☹					☺	☺							☺	☺			
	DNMG332-FW5	DNMG110408-FW5	0.458	0.031	0.006-0.020	0.016-0.079			☺	☹					☺	☺							☺	☺			
	DNMG431-FW5	DNMG150404-FW5	0.610	0.016	0.004-0.016	0.012-0.118			☺							☺								☺			
	DNMG432-FW5	DNMG150408-FW5	0.610	0.031	0.006-0.020	0.016-0.118			☺							☺								☺			
	DNMG441-FW5	DNMG150604-FW5	0.610	0.016	0.004-0.016	0.012-0.118			☺	☹					☺	☺							☺	☺			
	DNMG442-FW5	DNMG150608-FW5	0.610	0.031	0.006-0.020	0.016-0.118			☺	☹					☺	☺							☺	☺			

See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: DNGG3(3)0.5M-MN3 WN10

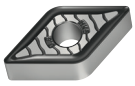
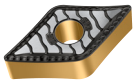
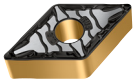
HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = ☹ → Poor = ☠ machining conditions

Negative rhombic 55°
DNGG / DNMA / DNMG / DNMM
Tiger·tec® Gold



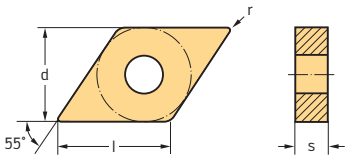
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	DNMG331-MK5	DNMG110404-MK5	0.458	0.016	0.006-0.010	0.024-0.157												●	●							
	DNMG332-MK5	DNMG110408-MK5	0.458	0.031	0.006-0.016	0.024-0.157												●	●							
	DNMG333-MK5	DNMG110412-MK5	0.458	0.047	0.008-0.020	0.039-0.157													●							
	DNMG432-MK5	DNMG150408-MK5	0.610	0.031	0.008-0.018	0.031-0.197												●	●							
	DNMG433-MK5	DNMG150412-MK5	0.610	0.047	0.010-0.018	0.047-0.197												●	●							
	DNMG442-MK5	DNMG150608-MK5	0.610	0.031	0.010-0.018	0.031-0.197												●	●							
	DNMG443-MK5	DNMG150612-MK5	0.610	0.047	0.012-0.018	0.047-0.197												●	●							
	DNMG444-MK5	DNMG150616-MK5	0.610	0.063	0.014-0.018	0.063-0.197												●								
	DNMG331-MM5	DNMG110404-MM5	0.458	0.016	0.004-0.007	0.020-0.079	◐						◐		●	◐	◐						●	◐	◐	
	DNMG332-MM5	DNMG110408-MM5	0.458	0.031	0.006-0.010	0.031-0.118	◐						◐		●	◐	◐						●	◐	◐	
	DNMG431-MM5	DNMG150404-MM5	0.610	0.016	0.004-0.007	0.020-0.098	◐						◐		●	◐	◐						●	◐	◐	
	DNMG432-MM5	DNMG150408-MM5	0.610	0.031	0.006-0.010	0.031-0.118	◐						◐		●	◐	◐						●	◐	◐	
	DNMG433-MM5	DNMG150412-MM5	0.610	0.047	0.007-0.012	0.031-0.118										◐								◐		
	DNMG441-MM5	DNMG150604-MM5	0.610	0.016	0.004-0.007	0.020-0.098	◐						◐		●	◐	◐						●	◐	◐	
	DNMG442-MM5	DNMG150608-MM5	0.610	0.031	0.006-0.010	0.031-0.118	◐						◐		●	◐	◐						●	◐	◐	
	DNMG443-MM5	DNMG150612-MM5	0.610	0.047	0.007-0.012	0.031-0.118	◐						◐		●	◐	◐						●	◐	◐	
	DNMG331-MP3	DNMG110404-MP3	0.458	0.016	0.003-0.009	0.012-0.087			●	◐																
	DNMG332-MP3	DNMG110408-MP3	0.458	0.031	0.005-0.013	0.024-0.118		●	●	◐	◐															
	DNMG333-MP3	DNMG110412-MP3	0.458	0.047	0.006-0.016	0.031-0.126			●	◐																
	DNMG431-MP3	DNMG150404-MP3	0.610	0.016	0.003-0.009	0.012-0.098			●	◐																
	DNMG432-MP3	DNMG150408-MP3	0.610	0.031	0.005-0.013	0.024-0.126		●	●	◐	◐															
	DNMG433-MP3	DNMG150412-MP3	0.610	0.047	0.006-0.016	0.031-0.138		●	●	◐	◐															
	DNMG441-MP3	DNMG150604-MP3	0.610	0.016	0.003-0.009	0.012-0.098			●	◐	◐															
	DNMG442-MP3	DNMG150608-MP3	0.610	0.031	0.005-0.013	0.024-0.126		●	●	◐	◐															
	DNMG443-MP3	DNMG150612-MP3	0.610	0.047	0.006-0.016	0.031-0.138		●	●	◐																
	DNMG331-MP5	DNMG110404-MP5	0.458	0.016	0.006-0.01	0.020-0.157			●	◐	◐															
	DNMG332-MP5	DNMG110408-MP5	0.458	0.031	0.007-0.014	0.024-0.157			●	◐	◐															
	DNMG333-MP5	DNMG110412-MP5	0.458	0.047	0.008-0.016	0.039-0.157			●	◐	◐															
	DNMG431-MP5	DNMG150404-MP5	0.610	0.016	0.006-0.010	0.020-0.157			●	◐	◐															
	DNMG432-MP5	DNMG150408-MP5	0.610	0.031	0.007-0.014	0.024-0.197			●	◐	◐															
	DNMG433-MP5	DNMG150412-MP5	0.610	0.047	0.008-0.016	0.039-0.197		●	●	◐	◐															
	DNMG441-MP5	DNMG150604-MP5	0.610	0.016	0.006-0.010	0.020-0.157			●	◐	◐															
	DNMG442-MP5	DNMG150608-MP5	0.610	0.031	0.007-0.014	0.024-0.197		●	●	◐	◐															
	DNMG443-MP5	DNMG150612-MP5	0.610	0.047	0.008-0.016	0.039-0.197		●	●	◐	◐															
	DNMG444-MP5	DNMG150616-MP5	0.610	0.063	0.010-0.018	0.047-0.197			●	◐																
	DNMG332-MS3	DNMG110408-MS3	0.458	0.031	0.005-0.012	0.031-0.098				◐			◐	●	●							●	●			
	DNMG431-MS3	DNMG150404-MS3	0.610	0.016	0.005-0.010	0.024-0.098								●	●							●	●			
	DNMG432-MS3	DNMG150408-MS3	0.610	0.031	0.006-0.012	0.031-0.098								●	●							●	●			
	DNMG441-MS3	DNMG150604-MS3	0.610	0.016	0.005-0.010	0.024-0.098								●	●							●	●			
	DNMG442-MS3	DNMG150608-MS3	0.610	0.031	0.006-0.012	0.031-0.098				◐			◐	●	●							●	●			
	DNMG332-MU5	DNMG110408-MU5	0.458	0.031	0.007-0.014	0.024-0.157	◐		●	◐			◐			◐								◐		
	DNMG432-MU5	DNMG150408-MU5	0.610	0.031	0.007-0.014	0.024-0.197	◐		●	◐			◐			◐								◐		
	DNMG442-MU5	DNMG150608-MU5	0.610	0.031	0.007-0.014	0.024-0.197	◐	●	●	◐			◐			◐								◐		
	DNMG443-MU5	DNMG150612-MU5	0.610	0.047	0.008-0.018	0.039-0.197	◐	●	●	◐			◐			◐								◐		
	DNMG444-MU5	DNMG150616-MU5	0.610	0.063	0.010-0.020	0.047-0.197	◐		●	◐			◐			◐								◐		

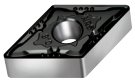
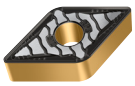
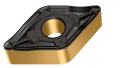
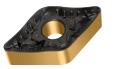
See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: DNGG3(3)0.5M-MN3 WN10

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Negative rhombic 55°
DNGG / DNMA / DNMG / DNMM
Tiger·tec® Gold



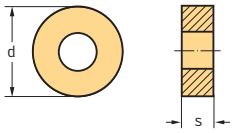
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P						M					K		N		S					
									HC			HE	HC					HC		HC	HW	HC				HW
							WMP20S	WPP05S	WPP10G	WPP20G	WPP30G	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WNN10	WN10	WSM01	WSM10S	WSM20S	WSM30S	WS10
 Wiper	DNMG332-MW5	DNMG110408-MW5	0.458	0.031	0.006-0.020	0.031-0.118			●	●								●	●							
	DNMG333-MW5	DNMG110412-MW5	0.458	0.047	0.008-0.024	0.059-0.118			●	●								●	●							
	DNMG432-MW5	DNMG150408-MW5	0.610	0.031	0.006-0.022	0.031-0.157			●									●								
	DNMG433-MW5	DNMG150412-MW5	0.610	0.047	0.008-0.026	0.059-0.157			●									●								
	DNMG442-MW5	DNMG150608-MW5	0.610	0.031	0.006-0.022	0.059-0.157		●	●	●								●	●							
	DNMG443-MW5	DNMG150612-MW5	0.610	0.047	0.008-0.026	0.059-0.157		●	●	●								●	●							
	DNMG431-NFT	DNMG150404-NFT	0.610	0.016	0.002-0.006	0.016-0.059										●								●		
	DNMG441-NFT	DNMG150604-NFT	0.610	0.016	0.002-0.006	0.016-0.059										●								●		
	DNMG442-NFT	DNMG150608-NFT	0.610	0.031	0.003-0.007	0.02-0.079										●								●		●
	DNMG431-NMS	DNMG150404-NMS	0.610	0.016	0.004-0.009	0.024-0.098									●	●							●	●		
	DNMG432-NMS	DNMG150408-NMS	0.610	0.031	0.004-0.012	0.031-0.138								●	●	●							●	●		
	DNMG441-NMS	DNMG150604-NMS	0.610	0.016	0.004-0.009	0.024-0.098								●	●	●							●	●		
	DNMG442-NMS	DNMG150608-NMS	0.610	0.031	0.004-0.012	0.031-0.138								●	●	●	●						●	●	●	
	DNMG331-NMT	DNMG110404-NMT	0.458	0.016	0.003-0.009	0.016-0.098										●								●		
	DNMG332-NMT	DNMG110408-NMT	0.458	0.031	0.005-0.011	0.024-0.126										●								●		
	DNMG432-NMT	DNMG150408-NMT	0.610	0.031	0.005-0.011	0.024-0.157										●								●		●
	DNMG442-NMT	DNMG150608-NMT	0.610	0.031	0.005-0.011	0.024-0.157										●								●		●
	DNMG443-NMT	DNMG150612-NMT	0.610	0.047	0.006-0.012	0.031-0.157																				●
	DNMG432-NRS	DNMG150408-NRS	0.610	0.031	0.005-0.013	0.039-0.157									●	●							●	●		
	DNMG442-NRS	DNMG150608-NRS	0.610	0.031	0.005-0.013	0.039-0.157	●						●		●	●							●	●		
	DNMG443-NRS	DNMG150612-NRS	0.610	0.047	0.006-0.014	0.047-0.157									●	●							●	●		
	DNMG332-RM5	DNMG110408-RM5	0.458	0.031	0.008-0.016	0.047-0.138	●						●			●	●							●	●	
	DNMG333-RM5	DNMG110412-RM5	0.458	0.047	0.010-0.020	0.059-0.138	●						●			●	●							●	●	
	DNMG432-RM5	DNMG150408-RM5	0.610	0.031	0.008-0.016	0.047-0.157	●						●			●	●							●	●	
	DNMG442-RM5	DNMG150608-RM5	0.610	0.031	0.008-0.016	0.047-0.157	●						●		●	●	●						●	●	●	
	DNMG443-RM5	DNMG150612-RM5	0.610	0.047	0.010-0.020	0.059-0.157	●						●			●	●							●	●	
	DNMG332-RP5	DNMG110408-RP5	0.458	0.031	0.007-0.014	0.031-0.157			●	●	●															
	DNMG333-RP5	DNMG110412-RP5	0.458	0.047	0.008-0.016	0.039-0.157		●	●	●	●															
	DNMG432-RP5	DNMG150408-RP5	0.610	0.031	0.007-0.014	0.031-0.197		●	●	●	●															
	DNMG433-RP5	DNMG150412-RP5	0.610	0.047	0.008-0.016	0.039-0.197			●	●	●															
	DNMG442-RP5	DNMG150608-RP5	0.610	0.031	0.006-0.014	0.031-0.197		●	●	●	●															
	DNMG443-RP5	DNMG150612-RP5	0.610	0.047	0.008-0.022	0.039-0.197		●	●	●	●															
	DNMG444-RP5	DNMG150616-RP5	0.610	0.063	0.010-0.026	0.063-0.197		●	●	●	●															
	DNMM442-HU3	DNMM150608-HU3	0.610	0.031	0.010-0.018	0.031-0.197			●	●	●															
	DNMM443-HU3	DNMM150612-HU3	0.610	0.047	0.012-0.020	0.047-0.197			●	●	●															
	DNMM444-HU3	DNMM150616-HU3	0.610	0.063	0.014-0.024	0.063-0.197			●	●																
	DNMM442-HU5	DNMM150608-HU5	0.610	0.031	0.010-0.018	0.039-0.197	●			●			●			●	●							●	●	
	DNMM443-HU5	DNMM150612-HU5	0.610	0.047	0.012-0.020	0.059-0.197	●			●			●			●	●							●	●	
	DNMM444-NRF	DNMM150616-NRF	0.610	0.063	0.014-0.024	0.063-0.197		●																		

See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: DNGG3(3)0.5M-MN3 WN10

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Negative round
RNMA / RNMG
Tiger·tec® Gold



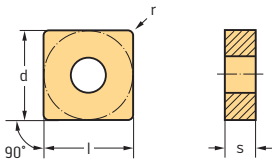
Indexable inserts

	ANSI Designation	Designation	d in	f in	a_p in	P HC WPP20G	K HC WKK20S	S HW WS10
	RNMA43-RK5	RNMA120400-RK5	0.5	0.006-0.024	0.047-0.157		😐	
	RNMG43-RP5	RNMG120400-RP5	0.5	0.008-0.024	0.047-0.197	😐		😊

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK20S: RNMA43-RK5 WKK20S

HC = Coated carbide
HW = Uncoated carbide

Negative square
SNMA / SNMG / SNMM
Tiger·tec® Gold



Indexable inserts

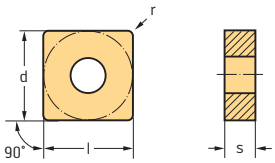
	ANSI Designation	Designation	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	SNMA322-RK5	SNMA090308-RK5	0.031	0.008-0.018	0.024-0.157												😐				
	SNMA432-RK5	SNMA120408-RK5	0.031	0.010-0.020	0.031-0.197											😊	😐				
	SNMA433-RK5	SNMA120412-RK5	0.047	0.012-0.024	0.047-0.197											😊	😐				
	SNMA434-RK5	SNMA120416-RK5	0.063	0.014-0.028	0.059-0.197											😊	😐				
	SNMA543-RK5	SNMA150612-RK5	0.047	0.012-0.026	0.047-0.276											😊	😐				
	SNMA544-RK5	SNMA150616-RK5	0.063	0.014-0.031	0.059-0.276												😐				
	SNMA644-RK5	SNMA190616-RK5	0.063	0.014-0.031	0.059-0.315											😊	😐				
	SNMA646-RK5	SNMA190624-RK5	0.094	0.016-0.035	0.098-0.315												😐				
	SNMA433-RK7	SNMA120412-RK7	0.047	0.012-0.024	0.047-0.197											😊	😐				
	SNMA434-RK7	SNMA120416-RK7	0.063	0.014-0.028	0.059-0.197											😊	😐				
	SNMA544-RK7	SNMA150616-RK7	0.063	0.014-0.031	0.059-0.276											😊	😐				
	SNMA644-RK7	SNMA190616-RK7	0.063	0.014-0.031	0.059-0.315											😊	😐				
	SNMG431-FM5	SNMG120404-FM5	0.016	0.002-0.006	0.008-0.059								😊	😐				😊	😐		
	SNMG432-FM5	SNMG120408-FM5	0.031	0.003-0.008	0.016-0.059								😊	😐				😊	😐		
	SNMG433-FM5	SNMG120412-FM5	0.047	0.004-0.010	0.020-0.079	😐					😐										

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK20S: SNMA322-RK5 WKK20S

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Negative square
SNMA / SNMG / SNMM
Tiger·tec® Gold



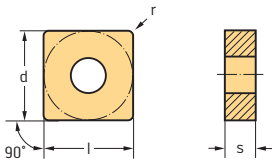
Indexable inserts

	ANSI Designation	Designation	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	SNMG322-FP5	SNMG090308-FP5	0.031	0.002-0.008	0.008-0.059			●	●												
	SNMG431-FP5	SNMG120404-FP5	0.016	0.002-0.009	0.004-0.071			●	●												
	SNMG432-FP5	SNMG120408-FP5	0.031	0.003-0.010	0.008-0.079			●	●												
	SNMG433-FP5	SNMG120412-FP5	0.047	0.004-0.010	0.020-0.098				●												
	SNMG322-MK5	SNMG090308-MK5	0.031	0.004-0.008	0.008-0.118											●	●				
	SNMG432-MK5	SNMG120408-MK5	0.031	0.01-0.020	0.031-0.197											●	●				
	SNMG433-MK5	SNMG120412-MK5	0.047	0.012-0.020	0.047-0.197											●	●				
	SNMG434-MK5	SNMG120416-MK5	0.063	0.014-0.020	0.059-0.197											●	●				
	SNMG543-MK5	SNMG150612-MK5	0.047	0.012-0.024	0.047-0.276											●	●				
	SNMG544-MK5	SNMG150616-MK5	0.063	0.014-0.024	0.059-0.276											●	●				
	SNMG643-MK5	SNMG190612-MK5	0.047	0.012-0.026	0.047-0.315											●	●				
	SNMG644-MK5	SNMG190616-MK5	0.063	0.014-0.031	0.059-0.315												●				
	SNMG431-MM5	SNMG120404-MM5	0.016	0.004-0.007	0.020-0.079									●	●				●	●	
	SNMG432-MM5	SNMG120408-MM5	0.031	0.006-0.010	0.031-0.118	●					●		●	●	●			●	●	●	
	SNMG433-MM5	SNMG120412-MM5	0.047	0.007-0.012	0.031-0.138	●					●		●	●	●			●	●	●	
	SNMG322-MP3	SNMG090308-MP3	0.031	0.004-0.013	0.024-0.118			●	●												
	SNMG431-MP3	SNMG120404-MP3	0.016	0.003-0.010	0.012-0.098				●												
	SNMG432-MP3	SNMG120408-MP3	0.031	0.005-0.014	0.024-0.126			●	●	●											
	SNMG433-MP3	SNMG120412-MP3	0.047	0.006-0.016	0.031-0.138			●	●												
	SNMG322-MP5	SNMG090308-MP5	0.031	0.006-0.013	0.024-0.118				●												
	SNMG432-MP5	SNMG120408-MP5	0.031	0.007-0.016	0.024-0.197			●	●	●											
	SNMG433-MP5	SNMG120412-MP5	0.047	0.008-0.018	0.039-0.197		●	●	●	●											
	SNMG434-MP5	SNMG120416-MP5	0.063	0.010-0.020	0.047-0.197			●	●												
	SNMG542-MP5	SNMG150608-MP5	0.031	0.010-0.020	0.031-0.315				●												
	SNMG543-MP5	SNMG150612-MP5	0.047	0.012-0.020	0.039-0.315				●	●											
	SNMG644-MP5	SNMG150616-MP5	0.063	0.014-0.022	0.047-0.315			●	●												
	SNMG432-MU5	SNMG120408-MU5	0.031	0.007-0.018	0.024-0.197	●		●	●		●			●					●		
	SNMG432-NMS	SNMG120408-NMS	0.031	0.005-0.014	0.031-0.138							●	●	●				●	●		
	SNMG433-NMS	SNMG120412-NMS	0.047	0.006-0.016	0.031-0.138							●	●	●				●	●		
	SNMG434-NMS	SNMG120416-NMS	0.063	0.007-0.018	0.039-0.138							●	●	●				●	●		
	SNMG432-NRS	SNMG120408-NRS	0.031	0.008-0.016	0.031-0.197								●	●	●			●	●	●	
	SNMG433-NRS	SNMG120412-NRS	0.047	0.009-0.018	0.039-0.197								●	●	●			●	●	●	
	SNMG644-NRS	SNMG150616-NRS	0.063	0.009-0.022	0.047-0.276								●	●				●	●		
	SNMG643-NRS	SNMG190612-NRS	0.047	0.009-0.022	0.039-0.354								●	●				●	●		
	SNMG644-NRS	SNMG190616-NRS	0.063	0.011-0.024	0.047-0.354								●	●				●	●		
	SNMG433-NRT	SNMG120412-NRT	0.047	0.010-0.020	0.031-0.236									●					●		●
	SNMG643-NRT	SNMG150612-NRT	0.047	0.012-0.024	0.039-0.295									●					●		
	SNMG644-NRT	SNMG190616-NRT	0.063	0.016-0.031	0.059-0.354																●

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK20S: SNMA322-RK5 WKK20S

HC = Coated carbide
HW = Uncoated carbide

Negative square
SNMA / SNMG / SNMM
Tiger·tec® Gold



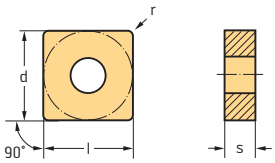
Indexable inserts

	ANSI Designation	Designation	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM10S	S HC WSM20S	S HC WSM30S	HW WS10
	SNMG432-RM5	SNMG120408-RM5	0.031	0.008-0.016	0.047-0.197	●					●			●	●				●	●	
	SNMG433-RM5	SNMG120412-RM5	0.047	0.010-0.020	0.059-0.197	●					●			●	●				●	●	
	SNMG434-RM5	SNMG120416-RM5	0.063	0.012-0.022	0.079-0.197									●	●				●	●	
	SNMG543-RM5	SNMG150612-RM5	0.047	0.010-0.024	0.059-0.276	●					●			●	●				●	●	
	SNMG544-RM5	SNMG150616-RM5	0.063	0.012-0.022	0.079-0.276									●	●				●	●	
	SNMG643-RM5	SNMG190612-RM5	0.047	0.010-0.024	0.059-0.315	●					●			●	●				●	●	
	SNMG644-RM5	SNMG190616-RM5	0.063	0.012-0.031	0.079-0.315									●	●				●	●	
	SNMG432-RP5	SNMG120408-RP5	0.031	0.008-0.022	0.031-0.236			●	●	●											
	SNMG433-RP5	SNMG120412-RP5	0.047	0.010-0.026	0.039-0.236		●	●	●	●											
	SNMG434-RP5	SNMG120416-RP5	0.063	0.014-0.030	0.063-0.236			●	●	●											
	SNMG543-RP5	SNMG150612-RP5	0.047	0.010-0.028	0.047-0.315		●	●	●	●											
	SNMG544-RP5	SNMG150616-RP5	0.063	0.014-0.031	0.063-0.315		●	●	●	●											
	SNMG643-RP5	SNMG190612-RP5	0.047	0.012-0.028	0.047-0.394			●	●	●											
	SNMG644-RP5	SNMG190616-RP5	0.063	0.014-0.031	0.063-0.394				●	●											
	SNMG646-RP5	SNMG190624-RP5	0.094	0.017-0.047	0.079-0.394				●												
	SNMG866-RP5	SNMG250924-RP5	0.094	0.022-0.047	0.098-0.472				●	●											
	SNMG432-RP7	SNMG120408-RP7	0.031	0.010-0.018	0.031-0.197				●	●											
	SNMG433-RP7	SNMG120412-RP7	0.047	0.012-0.020	0.047-0.197				●	●											
	SNMG434-RP7	SNMG120416-RP7	0.063	0.014-0.024	0.059-0.197			●	●	●											
	SNMG543-RP7	SNMG150612-RP7	0.047	0.014-0.024	0.047-0.236			●	●	●											
	SNMG544-RP7	SNMG150616-RP7	0.063	0.016-0.028	0.059-0.236			●	●	●											
	SNMG643-RP7	SNMG190612-RP7	0.047	0.014-0.024	0.047-0.276				●	●											
	SNMG644-RP7	SNMG190616-RP7	0.063	0.016-0.028	0.059-0.276			●	●	●											
	SNMG646-RP7	SNMG190624-RP7	0.094	0.016-0.031	0.098-0.276				●	●											
	SNMG866-RP7	SNMG250924-RP7	0.094	0.022-0.039	0.118-0.394				●												
	SNMM432-HU3	SNMM120408-HU3	0.031	0.012-0.020	0.031-0.276				●	●											
	SNMM433-HU3	SNMM120412-HU3	0.047	0.014-0.028	0.047-0.276				●												
	SNMM434-HU3	SNMM120416-HU3	0.063	0.016-0.035	0.063-0.276			●	●												
	SNMM543-HU3	SNMM150612-HU3	0.047	0.014-0.030	0.047-0.354				●												
	SNMM544-HU3	SNMM150616-HU3	0.063	0.016-0.035	0.063-0.354			●	●												
	SNMM646-HU3	SNMM150624-HU3	0.094	0.018-0.043	0.079-0.354				●												
	SNMM643-HU3	SNMM190612-HU3	0.047	0.014-0.030	0.047-0.394			●	●	●											
	SNMM644-HU3	SNMM190616-HU3	0.063	0.016-0.039	0.063-0.394			●	●	●											
	SNMM646-HU3	SNMM190624-HU3	0.094	0.018-0.047	0.079-0.394				●												
	SNMM856-HU3	SNMM250724-HU3	0.094	0.022-0.047	0.098-0.472				●												
	SNMM864-HU3	SNMM250916-HU3	0.063	0.018-0.039	0.063-0.472				●												
	SNMM866-HU3	SNMM250924-HU3	0.094	0.022-0.047	0.098-0.472				●												
	SNMM433-HU5	SNMM120412-HU5	0.047	0.012-0.028	0.059-0.276	●			●		●			●	●				●	●	
	SNMM543-HU5	SNMM150612-HU5	0.047	0.014-0.028	0.059-0.354	●			●		●			●	●				●	●	
	SNMM643-HU5	SNMM190612-HU5	0.047	0.014-0.031	0.059-0.394	●			●		●			●	●				●	●	
	SNMM644-HU5	SNMM190616-HU5	0.063	0.016-0.039	0.079-0.394	●			●		●			●	●				●	●	
	SNMM646-HU5	SNMM190624-HU5	0.094	0.018-0.043	0.079-0.394				●												
	SNMM866-HU5	SNMM250924-HU5	0.094	0.020-0.047	0.098-0.472	●			●		●			●	●				●	●	

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK20S: SNMA322-RK5 WKK20S

HC = Coated carbide
HW = Uncoated carbide

Negative square
SNMA / SNMG / SNMM
Tiger·tec® Gold



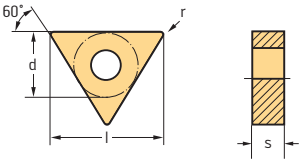
Indexable inserts

	ANSI Designation	Designation	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	SNMM544-HU7	SNMM150616-HU7	0.063	0.018-0.039	0.079-0.472			☺	😐												
	SNMM546-HU7	SNMM150624-HU7	0.094	0.020-0.055	0.098-0.472			☺	😐												
	SNMM643-HU7	SNMM190612-HU7	0.047	0.020-0.039	0.079-0.512				😐	☹											
	SNMM644-HU7	SNMM190616-HU7	0.063	0.020-0.043	0.098-0.512				😐	☹											
	SNMM646-HU7	SNMM190624-HU7	0.094	0.024-0.063	0.118-0.512			☺	😐	☹											
	SNMM854-HU7	SNMM250716-HU7	0.063	0.020-0.043	0.098-0.669				😐												
	SNMM856-HU7	SNMM250724-HU7	0.094	0.024-0.063	0.118-0.669				😐	☹											
	SNMM866-HU7	SNMM250924-HU7	0.094	0.024-0.063	0.118-0.669			☺	😐	☹											

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK20S: SNMA322-RK5 WKK20S

HC = Coated carbide
HW = Uncoated carbide

Negative triangular 60°
TNMA / TNMG / TNMM
Tiger·tec® Gold



Indexable inserts

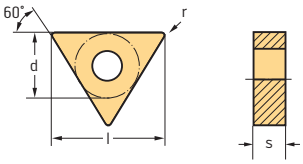
	ANSI Designation	Designation	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	TNMA331-RK5	TNMA160404-RK5	0.016	0.006-0.010	0.024-0.197												☺	😐				
	TNMA332-RK5	TNMA160408-RK5	0.031	0.010-0.018	0.031-0.197												☺	😐				
	TNMA333-RK5	TNMA160412-RK5	0.047	0.012-0.020	0.047-0.197												☺	😐				
	TNMA432-RK5	TNMA220408-RK5	0.031	0.010-0.018	0.039-0.236													😐				
	TNMA433-RK5	TNMA220412-RK5	0.047	0.012-0.022	0.055-0.236													😐				
	TNMA434-RK5	TNMA220416-RK5	0.063	0.014-0.024	0.063-0.236													😐				
	TNMA332-RK7	TNMA160408-RK7	0.031	0.010-0.018	0.031-0.197												☺					
	TNMA333-RK7	TNMA160412-RK7	0.047	0.012-0.020	0.047-0.197												☺					
	TNMG331-FM5	TNMG160404-FM5	0.016	0.002-0.006	0.008-0.039	😐						😐		☺	😐					☺	😐	
	TNMG332-FM5	TNMG160408-FM5	0.031	0.003-0.008	0.016-0.059	😐						😐		☺	😐					☺	😐	
	TNMG333-FM5	TNMG160412-FM5	0.047	0.004-0.010	0.020-0.079										😐						😐	

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK10S: TNMA331-RK5 WKK10S

HC = Coated carbide
HE = Coated cermet

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Negative triangular 60°
TNMA / TNMG / TNMM
Tiger·tec® Gold



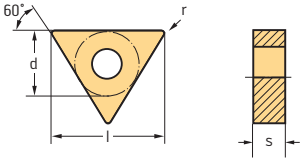
Indexable inserts

	ANSI Designation	Designation	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	TNMG221-FP5	TNMG110304-FP5	0.016	0.002-0.006	0.004-0.047			●														
	TNMG222-FP5	TNMG110308-FP5	0.031	0.003-0.008	0.008-0.059			●														
	TNMG331-FP5	TNMG160404-FP5	0.016	0.002-0.008	0.004-0.059			●	●		●											
	TNMG332-FP5	TNMG160408-FP5	0.031	0.003-0.010	0.008-0.079			●	●		●											
	TNMG333-FP5	TNMG160412-FP5	0.047	0.004-0.010	0.020-0.098			●	●													
 Wiper	TNMG331-FW5	TNMG160404-FW5	0.016	0.004-0.016	0.012-0.118			●	●					●	●						●	●
	TNMG332-FW5	TNMG160408-FW5	0.031	0.006-0.020	0.016-0.118			●	●					●	●						●	●
	TNMG331-MK5	TNMG160404-MK5	0.016	0.006-0.010	0.024-0.157												●	●				
	TNMG332-MK5	TNMG160408-MK5	0.031	0.010-0.018	0.031-0.197												●	●				
	TNMG333-MK5	TNMG160412-MK5	0.047	0.012-0.018	0.047-0.197												●	●				
	TNMG334-MK5	TNMG160416-MK5	0.063	0.014-0.018	0.059-0.197												●	●				
	TNMG432-MK5	TNMG220408-MK5	0.031	0.010-0.018	0.039-0.236												●	●				
	TNMG433-MK5	TNMG220412-MK5	0.047	0.012-0.018	0.055-0.236													●				
	TNMG434-MK5	TNMG220416-MK5	0.063	0.014-0.018	0.063-0.236												●	●				
	TNMG543-MK5	TNMG270612-MK5	0.047	0.014-0.026	0.047-0.315													●				
	TNMG331-MM5	TNMG160404-MM5	0.016	0.004-0.007	0.020-0.079	●						●		●	●	●				●	●	●
	TNMG332-MM5	TNMG160408-MM5	0.031	0.006-0.010	0.031-0.118	●						●		●	●	●				●	●	●
	TNMG333-MM5	TNMG160412-MM5	0.047	0.007-0.012	0.031-0.138	●						●		●	●	●				●	●	●
	TNMG334-MM5	TNMG160416-MM5	0.063	0.008-0.014	0.039-0.157										●						●	
	TNMG221-MP3	TNMG110304-MP3	0.016	0.002-0.007	0.012-0.079			●	●													
	TNMG222-MP3	TNMG110308-MP3	0.031	0.004-0.010	0.024-0.087			●	●													
	TNMG321-MP3	TNMG160304-MP3	0.016	0.003-0.009	0.012-0.087				●													
	TNMG331-MP3	TNMG160404-MP3	0.016	0.003-0.009	0.012-0.087			●	●	●												
	TNMG332-MP3	TNMG160408-MP3	0.031	0.005-0.013	0.024-0.118			●	●	●												
	TNMG333-MP3	TNMG160412-MP3	0.047	0.006-0.016	0.031-0.126			●	●	●												
	TNMG432-MP3	TNMG220408-MP3	0.031	0.005-0.013	0.024-0.126		●	●	●													
	TNMG433-MP3	TNMG220412-MP3	0.047	0.006-0.016	0.031-0.138			●	●													
	TNMG322-MP5	TNMG160308-MP5	0.031	0.007-0.014	0.024-0.157				●													
	TNMG331-MP5	TNMG160404-MP5	0.016	0.006-0.010	0.020-0.157			●	●	●												
	TNMG332-MP5	TNMG160408-MP5	0.031	0.007-0.014	0.024-0.157		●	●	●	●												
	TNMG333-MP5	TNMG160412-MP5	0.047	0.008-0.016	0.039-0.157			●	●	●												
	TNMG431-MP5	TNMG220404-MP5	0.016	0.006-0.010	0.028-0.157			●	●													
	TNMG432-MP5	TNMG220408-MP5	0.031	0.007-0.014	0.031-0.197			●	●	●												
	TNMG433-MP5	TNMG220412-MP5	0.047	0.008-0.016	0.039-0.197			●	●	●												
	TNMG434-MP5	TNMG220416-MP5	0.063	0.010-0.018	0.047-0.197			●	●													
	TNMG542-MP5	TNMG270608-MP5	0.031	0.010-0.018	0.031-0.276				●													
	TNMG543-MP5	TNMG270612-MP5	0.047	0.012-0.020	0.039-0.276			●	●	●												
	TNMG544-MP5	TNMG270616-MP5	0.063	0.014-0.022	0.047-0.276				●													
	TNMG331-MS3	TNMG160404-MS3	0.016	0.005-0.010	0.024-0.118				●				●						●			
	TNMG332-MS3	TNMG160408-MS3	0.031	0.006-0.012	0.031-0.118				●				●	●					●	●		
	TNMG431-MS3	TNMG220404-MS3	0.016	0.005-0.010	0.024-0.118				●				●						●			
	TNMG432-MS3	TNMG220408-MS3	0.031	0.006-0.012	0.031-0.118				●				●	●					●	●		

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK10S: TNMA331-RK5 WKK10S

HC = Coated carbide
HE = Coated cermet

Negative triangular 60°
TNMA / TNMG / TNMM
Tiger·tec® Gold



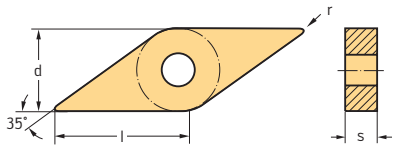
Indexable inserts

	ANSI Designation	Designation	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	TNMG331-MU5	TNMG160404-MU5	0.016	0.006-0.012	0.020-0.157	●		●	●			●			●					●		
	TNMG332-MU5	TNMG160408-MU5	0.031	0.007-0.014	0.024-0.157	●		●	●			●			●					●		
	TNMG333-MU5	TNMG160412-MU5	0.047	0.008-0.018	0.039-0.157	●		●	●			●			●					●		
 Wiper	TNMG332-MW5	TNMG160408-MW5	0.031	0.006-0.022	0.031-0.157			●	●								●	●				
	TNMG333-MW5	TNMG160412-MW5	0.047	0.008-0.026	0.059-0.157			●	●								●	●				
	TNMG331-NMS	TNMG160404-NMS	0.016	0.004-0.009	0.024-0.098									●	●					●	●	
	TNMG332-NMS	TNMG160408-NMS	0.031	0.004-0.012	0.031-0.138									●	●	●				●	●	●
	TNMG333-NRS	TNMG160412-NRS	0.047	0.010-0.020	0.059-0.177										●						●	
	TNMG332-RM5	TNMG160408-RM5	0.031	0.008-0.016	0.047-0.157	●						●		●	●	●				●	●	●
	TNMG333-RM5	TNMG160412-RM5	0.047	0.010-0.020	0.059-0.157	●						●			●	●					●	●
	TNMG432-RM5	TNMG220408-RM5	0.031	0.008-0.016	0.047-0.157	●						●		●	●	●				●	●	●
	TNMG433-RM5	TNMG220412-RM5	0.047	0.010-0.022	0.059-0.197	●						●			●	●					●	●
	TNMG332-RP5	TNMG160408-RP5	0.031	0.008-0.016	0.031-0.197		●	●	●	●												
	TNMG333-RP5	TNMG160412-RP5	0.047	0.010-0.022	0.039-0.197			●	●	●												
	TNMG432-RP5	TNMG220408-RP5	0.031	0.008-0.018	0.031-0.276			●	●	●												
	TNMG433-RP5	TNMG220412-RP5	0.047	0.010-0.024	0.039-0.276			●	●	●												
	TNMG434-RP5	TNMG220416-RP5	0.063	0.014-0.028	0.063-0.276		●	●	●	●												
	TNMG543-RP5	TNMG270612-RP5	0.047	0.012-0.028	0.063-0.394			●	●	●												
	TNMG544-RP5	TNMG270616-RP5	0.063	0.014-0.031	0.079-0.394				●	●												
	TNMG666-RP5	TNMG330924-RP5	0.094	0.018-0.047	0.098-0.512				●	●												
	TNMG544-RP7	TNMG270616-RP7	0.063	0.014-0.030	0.059-0.354				●													
	TNMG546-RP7	TNMG270624-RP7	0.094	0.022-0.039	0.118-0.354				●													
	TNMM332-HU3	TNMM160408-HU3	0.031	0.012-0.018	0.031-0.236				●													
	TNMM333-HU3	TNMM160412-HU3	0.047	0.014-0.020	0.047-0.236			●	●													
	TNMM432-HU3	TNMM220408-HU3	0.031	0.012-0.020	0.031-0.276				●	●												
	TNMM433-HU3	TNMM220412-HU3	0.047	0.014-0.024	0.047-0.276				●													
	TNMM434-HU3	TNMM220416-HU3	0.063	0.016-0.031	0.063-0.276			●	●													
	TNMM543-HU3	TNMM270612-HU3	0.047	0.014-0.026	0.047-0.315				●													
	TNMM544-HU7	TNMM270616-HU7	0.063	0.020-0.043	0.079-0.512				●	●												

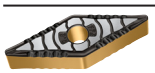
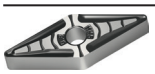
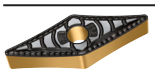
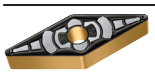
See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK10S: TNMA331-RK5 WKK10S

HC = Coated carbide
HE = Coated cermet

Negative rhombic 35°
VNGG / VNMA / VNMG
Tiger·tec® Gold



Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	VNGG3(3)0.5M-MN3	VNGG160402M-MN3	0.654	0.008	0.002-0.005	0.020-0.079													☹	☹					
	VNGG331M-MN3	VNGG160404M-MN3	0.654	0.016	0.003-0.012	0.024-0.118													☹	☹					
	VNGG3(3)0.2-MS3	VNGG160401-MS3	0.654	0.004	0.001-0.002	0.008-0.079							☺								☺				
	VNGG3(3)0.5-MS3	VNGG160402-MS3	0.654	0.008	0.002-0.005	0.016-0.079							☺								☺				
	VNGG331-MS3	VNGG160404-MS3	0.654	0.016	0.004-0.008	0.024-0.079							☺								☺				
	VNGG331-NFT	VNGG160404-NFT	0.654	0.016	0.002-0.005	0.004-0.059																			☺
	VNGG332-NFT	VNGG160408-NFT	0.654	0.031	0.002-0.006	0.008-0.079																			☺
	VNGG333-NFT	VNGG160412-NFT	0.654	0.047	0.002-0.006	0.008-0.079																			☺
	VNMA332-RK5	VNMA160408-RK5	0.654	0.031	0.007-0.014	0.031-0.157											☺	☹							
	VNMA333-RK5	VNMA160412-RK5	0.654	0.047	0.008-0.016	0.039-0.157											☺	☹							
	VNMG3(3)0.5-FM5	VNMG160402-FM5	0.654	0.008	0.001-0.004	0.004-0.039								☺	☹							☺	☹		
	VNMG331-FM5	VNMG160404-FM5	0.654	0.016	0.002-0.006	0.008-0.039								☺	☹							☺	☹		
	VNMG332-FM5	VNMG160408-FM5	0.654	0.031	0.003-0.008	0.016-0.059								☺	☹							☺	☹		
	VNMG331-FP5	VNMG160404-FP5	0.654	0.016	0.002-0.009	0.004-0.059		☺	☹		☺														
	VNMG332-FP5	VNMG160408-FP5	0.654	0.031	0.003-0.010	0.008-0.079		☺	☹		☺														
	VNMG333-FP5	VNMG160412-FP5	0.654	0.047	0.005-0.011	0.012-0.098		☺	☹																
	VNMG331-MK5	VNMG160404-MK5	0.654	0.016	0.006-0.010	0.024-0.157											☺	☹							
	VNMG332-MK5	VNMG160408-MK5	0.654	0.031	0.007-0.014	0.031-0.157											☺	☹							
	VNMG333-MK5	VNMG160412-MK5	0.654	0.047	0.008-0.014	0.039-0.157											☺	☹							
	VNMG331-MM5	VNMG160404-MM5	0.654	0.016	0.004-0.007	0.020-0.079	☹					☹		☺	☹	☒						☺	☹	☒	
	VNMG332-MM5	VNMG160408-MM5	0.654	0.031	0.006-0.010	0.031-0.118	☹					☹		☺	☹	☒						☺	☹	☒	
	VNMG331-MP3	VNMG160404-MP3	0.654	0.016	0.003-0.009	0.012-0.087		☺	☹																
	VNMG332-MP3	VNMG160408-MP3	0.654	0.031	0.005-0.013	0.024-0.118		☺	☹	☒															
	VNMG333-MP3	VNMG160412-MP3	0.654	0.047	0.006-0.014	0.031-0.126		☺	☹																
	VNMG331-MP5	VNMG160404-MP5	0.654	0.016	0.004-0.007	0.020-0.079		☺	☹	☒															
	VNMG332-MP5	VNMG160408-MP5	0.654	0.031	0.007-0.014	0.024-0.157		☺	☹	☒															
	VNMG333-MP5	VNMG160412-MP5	0.654	0.047	0.008-0.016	0.031-0.157		☺	☹	☒															
	VNMG432-MP5	VNMG220408-MP5	0.872	0.031	0.007-0.014	0.024-0.157		☺	☹																
	VNMG331-MS3	VNMG160404-MS3	0.654	0.016	0.004-0.008	0.024-0.098							☺	☺							☺	☺			
	VNMG332-MS3	VNMG160408-MS3	0.654	0.031	0.005-0.010	0.031-0.098							☺	☺							☺	☺			
	VNMG331-NFT	VNMG160404-NFT	0.654	0.016	0.002-0.006	0.008-0.059									☹								☹		☺
	VNMG332-NFT	VNMG160408-NFT	0.654	0.031	0.003-0.007	0.012-0.079									☹								☹		☺
	VNMG331-NMS	VNMG160404-NMS	0.654	0.016	0.003-0.006	0.020-0.059								☺	☹							☺	☹		
	VNMG332-NMS	VNMG160408-NMS	0.654	0.031	0.004-0.009	0.031-0.087								☺	☹							☺	☹		

See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: VNGG3(3)0.5M-MN3 WN10

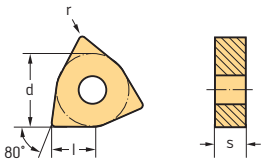
HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = ☹ → Poor = ☒ machining conditions

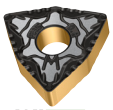
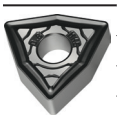
Negative Trigon 80°

WNGG / WNMA / WNMG / WNMM

Tiger·tec® Gold



Indexable inserts

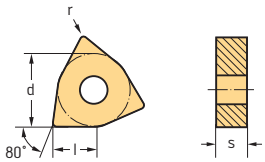
	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	WNGG431M-MN3	WNGG080404M-MN3	0.342	0.016	0.003-0.012	0.031-0.157														😐	😐						
	WNGG432M-MN3	WNGG080408M-MN3	0.342	0.031	0.004-0.016	0.039-0.157														😐	😐						
	WNMA331-RK5	WNMA060404-RK5	0.257	0.016	0.006-0.010	0.024-0.157												😊	😐								
	WNMA332-RK5	WNMA060408-RK5	0.257	0.031	0.008-0.016	0.031-0.157												😊	😐								
	WNMA333-RK5	WNMA060412-RK5	0.257	0.047	0.009-0.020	0.047-0.157												😊	😐								
	WNMA431-RK5	WNMA080404-RK5	0.342	0.016	0.006-0.010	0.024-0.197												😊	😐								
	WNMA432-RK5	WNMA080408-RK5	0.342	0.031	0.008-0.018	0.047-0.197												😊	😐								
	WNMA433-RK5	WNMA080412-RK5	0.342	0.047	0.009-0.020	0.059-0.197												😊	😐								
	WNMA543-RK5	WNMA100612-RK5	0.428	0.047	0.010-0.024	0.059-0.236												😊	😐								
	WNMA544-RK5	WNMA100616-RK5	0.428	0.063	0.012-0.026	0.059-0.236													😐								
	WNMA432-RK7	WNMA080408-RK7	0.342	0.031	0.008-0.018	0.047-0.197												😊	😐								
	WNMA433-RK7	WNMA080412-RK7	0.342	0.047	0.009-0.020	0.059-0.197												😊	😐								
	WNMG331-FM5	WNMG060404-FM5	0.257	0.016	0.002-0.006	0.008-0.039									😊	😐							😊	😐			
	WNMG332-FM5	WNMG060408-FM5	0.257	0.031	0.003-0.008	0.016-0.059									😊	😐							😊	😐			
	WNMG431-FM5	WNMG080404-FM5	0.342	0.016	0.002-0.006	0.008-0.059	😐						😐		😊	😐							😊	😐			
	WNMG432-FM5	WNMG080408-FM5	0.342	0.031	0.003-0.008	0.016-0.059	😐						😐		😊	😐							😊	😐			
	WNMG433-FM5	WNMG080412-FM5	0.342	0.047	0.004-0.010	0.020-0.079									😊								😊				
	WNMG331-FP5	WNMG060404-FP5	0.257	0.016	0.002-0.008	0.004-0.059			😊	😐																	
	WNMG332-FP5	WNMG060408-FP5	0.257	0.031	0.003-0.010	0.008-0.079			😊	😐																	
	WNMG431-FP5	WNMG080404-FP5	0.342	0.016	0.002-0.008	0.004-0.059			😊	😐		😊															
	WNMG432-FP5	WNMG080408-FP5	0.342	0.031	0.003-0.010	0.008-0.079			😊	😐		😊															
	WNMG433-FP5	WNMG080412-FP5	0.342	0.047	0.004-0.010	0.020-0.098			😊	😐																	
 Wiper	WNMG331-FW5	WNMG060404-FW5	0.257	0.016	0.004-0.014	0.012-0.079			😊	😐					😊	😐							😊	😐			
	WNMG332-FW5	WNMG060408-FW5	0.257	0.031	0.006-0.020	0.016-0.079			😊	😐					😊	😐							😊	😐			
	WNMG431-FW5	WNMG080404-FW5	0.342	0.016	0.004-0.016	0.012-0.118			😊	😐					😊	😐							😊	😐			
	WNMG432-FW5	WNMG080408-FW5	0.342	0.031	0.006-0.024	0.016-0.118			😊	😐					😊	😐							😊	😐			
	WNMG433-FW5	WNMG080412-FW5	0.342	0.047	0.010-0.026	0.024-0.118			😊	😐																	
	WNMG331-MK5	WNMG060404-MK5	0.257	0.016	0.006-0.010	0.024-0.157												😊	😐								
	WNMG332-MK5	WNMG060408-MK5	0.257	0.031	0.008-0.016	0.031-0.157												😊	😐								
	WNMG333-MK5	WNMG060412-MK5	0.257	0.047	0.006-0.018	0.024-0.157												😊	😐								
	WNMG431-MK5	WNMG080404-MK5	0.342	0.016	0.006-0.010	0.024-0.197												😊	😐								
	WNMG432-MK5	WNMG080408-MK5	0.342	0.031	0.008-0.018	0.047-0.197												😊	😐								
	WNMG433-MK5	WNMG080412-MK5	0.342	0.047	0.009-0.020	0.059-0.197												😊	😐								
	WNMG434-MK5	WNMG080416-MK5	0.342	0.063	0.010-0.022	0.079-0.197												😊	😐								
	WNMG542-MK5	WNMG100608-MK5	0.428	0.031	0.010-0.020	0.031-0.276												😊	😐								
	WNMG543-MK5	WNMG100612-MK5	0.428	0.047	0.012-0.024	0.047-0.276												😊	😐								
	WNMG544-MK5	WNMG100616-MK5	0.428	0.063	0.014-0.024	0.059-0.276												😊	😐								

See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: WNGG431M-MN3 WN10

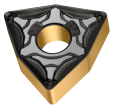
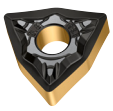
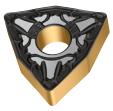
HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Negative Trigon 80°
WNGG / WNMA / WNMG / WNMM
Tiger·tec® Gold



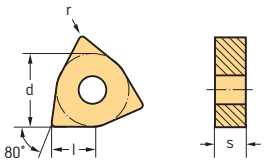
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	WNMG331-MM5	WNMG060404-MM5	0.257	0.016	0.004-0.007	0.02-0.079	●						●		●	●	●						●	●	●	
	WNMG332-MM5	WNMG060408-MM5	0.257	0.031	0.006-0.010	0.031-0.098	●						●		●	●	●						●	●	●	
	WNMG333-MM5	WNMG060412-MM5	0.257	0.047	0.007-0.012	0.031-0.118										●	●							●	●	
	WNMG431-MM5	WNMG080404-MM5	0.342	0.016	0.004-0.008	0.020-0.118	●						●		●	●	●						●	●	●	
	WNMG432-MM5	WNMG080408-MM5	0.342	0.031	0.006-0.013	0.031-0.118	●						●		●	●	●						●	●	●	
	WNMG433-MM5	WNMG080412-MM5	0.342	0.047	0.006-0.014	0.031-0.138	●						●		●	●	●						●	●	●	
	WNMG434-MM5	WNMG080416-MM5	0.342	0.063	0.006-0.016	0.039-0.157										●	●							●	●	
	WNMG542-MM5	WNMG100608-MM5	0.428	0.031	0.007-0.016	0.031-0.177										●	●							●	●	
	WNMG543-MM5	WNMG100612-MM5	0.428	0.047	0.008-0.018	0.031-0.177										●	●							●	●	
	WNMG331-MP3	WNMG060404-MP3	0.257	0.016	0.003-0.009	0.012-0.087			●	●																
	WNMG332-MP3	WNMG060408-MP3	0.257	0.031	0.005-0.013	0.024-0.118			●	●																
	WNMG333-MP3	WNMG060412-MP3	0.257	0.047	0.006-0.014	0.031-0.126				●																
	WNMG431-MP3	WNMG080404-MP3	0.342	0.016	0.003-0.009	0.012-0.098				●	✕															
	WNMG432-MP3	WNMG080408-MP3	0.342	0.031	0.005-0.013	0.024-0.126		●	●	●	✕															
	WNMG433-MP3	WNMG080412-MP3	0.342	0.047	0.006-0.016	0.031-0.138		●	●	●	✕															
	WNMG331-MP5	WNMG060404-MP5	0.257	0.016	0.006-0.010	0.02-0.157			●	●	✕															
	WNMG332-MP5	WNMG060408-MP5	0.257	0.031	0.007-0.014	0.024-0.157		●	●	●	✕															
	WNMG333-MP5	WNMG060412-MP5	0.257	0.047	0.008-0.016	0.039-0.157			●	●																
	WNMG431-MP5	WNMG080404-MP5	0.342	0.016	0.006-0.010	0.020-0.157			●	●	✕															
	WNMG432-MP5	WNMG080408-MP5	0.342	0.031	0.007-0.016	0.024-0.197		●	●	●	✕															
	WNMG433-MP5	WNMG080412-MP5	0.342	0.047	0.008-0.018	0.039-0.197		●	●	●	✕															
	WNMG434-MP5	WNMG080416-MP5	0.342	0.063	0.010-0.020	0.047-0.197			●	●																
	WNMG542-MP5	WNMG100608-MP5	0.428	0.031	0.010-0.016	0.031-0.276			●	●																
	WNMG543-MP5	WNMG100612-MP5	0.428	0.047	0.012-0.020	0.039-0.276			●	●																
	WNMG431-MS3	WNMG080404-MS3	0.342	0.016	0.005-0.010	0.024-0.118								●	●							●	●			
	WNMG432-MS3	WNMG080408-MS3	0.342	0.031	0.006-0.012	0.031-0.118				●			●	●	●		●					●	●		●	
	WNMG332-MU5	WNMG060408-MU5	0.257	0.031	0.006-0.014	0.024-0.118	●		●	●			●			●								●		
	WNMG431-MU5	WNMG080404-MU5	0.342	0.016	0.006-0.012	0.020-0.157	●		●	●			●			●								●		
	WNMG432-MU5	WNMG080408-MU5	0.342	0.031	0.006-0.016	0.024-0.197	●		●	●			●			●								●		
	WNMG433-MU5	WNMG080412-MU5	0.342	0.047	0.008-0.020	0.039-0.197	●	●	●	●			●			●								●		
	WNMG434-MU5	WNMG080416-MU5	0.342	0.063	0.010-0.022	0.047-0.197			●	●																
 Wiper	WNMG332-MW5	WNMG060408-MW5	0.257	0.031	0.006-0.020	0.031-0.118			●	●								●								
	WNMG333-MW5	WNMG060412-MW5	0.257	0.047	0.008-0.024	0.059-0.118			●	●								●								
	WNMG432-MW5	WNMG080408-MW5	0.342	0.031	0.008-0.026	0.031-0.157	●	●	●	●			●					●	●							
	WNMG433-MW5	WNMG080412-MW5	0.342	0.047	0.010-0.028	0.059-0.157	●	●	●	●			●					●	●							
	WNMG332-NMS	WNMG060408-NMS	0.257	0.031	0.004-0.012	0.031-0.118									●	●							●	●		
	WNMG431-NMS	WNMG080404-NMS	0.342	0.016	0.004-0.009	0.024-0.098								●	●	●	●						●	●	●	
	WNMG432-NMS	WNMG080408-NMS	0.342	0.031	0.005-0.013	0.031-0.138								●	●	●	●						●	●	●	

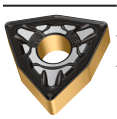
See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: WNGG431M-MN3 WN10

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Negative Trigon 80°
WNGG / WNMA / WNMG / WNMM
Tiger·tec® Gold



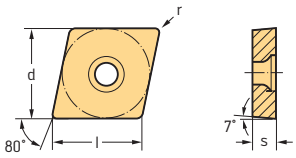
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP05S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	S HW WS10
	WNMG432-NMT	WNMG080408-NMT	0.342	0.031	0.005-0.012	0.031-0.157										●								●		○
	WNMG432-NRS	WNMG080408-NRS	0.342	0.031	0.006-0.014	0.039-0.157	●						●	○	○	●	✕						○	●	✕	
	WNMG433-NRS	WNMG080412-NRS	0.342	0.047	0.007-0.016	0.047-0.157	●						●	○	○	●	✕						○	●	✕	
	WNMG332-RM5	WNMG060408-RM5	0.257	0.031	0.008-0.016	0.047-0.138	●						●			●	✕							●	✕	
	WNMG432-RM5	WNMG080408-RM5	0.342	0.031	0.008-0.016	0.047-0.177	●		○	●			●		○	●	✕						○	●	✕	
	WNMG433-RM5	WNMG080412-RM5	0.342	0.047	0.010-0.020	0.059-0.177	●						●		○	●	✕						○	●	✕	
	WNMG332-RP5	WNMG060408-RP5	0.257	0.031	0.008-0.016	0.031-0.157			○	●	✕															
	WNMG333-RP5	WNMG060412-RP5	0.257	0.047	0.010-0.020	0.039-0.157			○	●	✕															
	WNMG432-RP5	WNMG080408-RP5	0.342	0.031	0.008-0.016	0.031-0.236		○	○	●	✕							○								
	WNMG433-RP5	WNMG080412-RP5	0.342	0.047	0.010-0.024	0.039-0.236		○	○	●	✕							○								
	WNMG434-RP5	WNMG080416-RP5	0.342	0.063	0.014-0.028	0.063-0.236			○	●	✕															
	WNMG543-RP5	WNMG100612-RP5	0.428	0.047	0.014-0.026	0.047-0.315			○	●	✕															
	WNMG544-RP5	WNMG100616-RP5	0.428	0.063	0.014-0.028	0.063-0.315			○	●	✕															
	WNMG432-RP7	WNMG080408-RP7	0.342	0.031	0.007-0.016	0.031-0.197			○	●	✕															
	WNMG433-RP7	WNMG080412-RP7	0.342	0.047	0.010-0.020	0.047-0.197			○	●	✕															
	WNMG542-RP7	WNMG100608-RP7	0.428	0.031	0.012-0.020	0.031-0.236				●																
	WNMG543-RP7	WNMG100612-RP7	0.428	0.047	0.014-0.024	0.047-0.236			○	●	✕															
	WNMG544-RP7	WNMG100616-RP7	0.428	0.063	0.016-0.024	0.059-0.236				●	✕															
	WNMM433-HU3	WNMM080412-HU3	0.342	0.047	0.014-0.024	0.047-0.236				●																
	WNMM543-HU3	WNMM100612-HU3	0.428	0.047	0.014-0.028	0.047-0.315			○	●																
	WNMM544-HU3	WNMM100616-HU3	0.428	0.063	0.016-0.035	0.063-0.315			○	●																

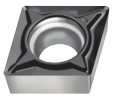
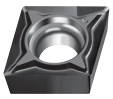
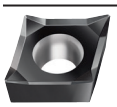
See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: WNGG431M-MN3 WN10

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive rhombic 80°
CCGT / CCMT / CCMW
Tiger·tec® Gold



Indexable inserts

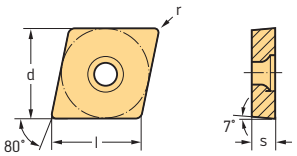
	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP01	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	CCGT2(1.5)0.2-FM2	CCGT060201-FM2	0.254	0.004	0.001-0.002	0.004-0.059										😐								😐	
	CCGT2(1.5)0.5-FM2	CCGT060202-FM2	0.254	0.008	0.002-0.005	0.008-0.079								😊		😐						😊		😐	
	CCGT2(1.5)1-FM2	CCGT060204-FM2	0.254	0.016	0.003-0.010	0.008-0.098								😊		😐						😊		😐	
	CCGT3(2.5)0.2-FM2	CCGT09T301-FM2	0.381	0.004	0.001-0.002	0.004-0.059										😐								😐	
	CCGT3(2.5)0.5-FM2	CCGT09T302-FM2	0.381	0.008	0.002-0.005	0.008-0.079								😊		😐						😊		😐	
	CCGT3(2.5)1-FM2	CCGT09T304-FM2	0.381	0.016	0.003-0.010	0.008-0.098								😊	😊	😐						😊	😊	😐	
	CCGT3(2.5)2-FM2	CCGT09T308-FM2	0.381	0.031	0.004-0.012	0.012-0.118								😊	😊	😐						😊	😊	😐	
	CCGT431-FM2	CCGT120404-FM2	0.508	0.016	0.003-0.010	0.008-0.118										😐								😐	
	CCGT432-FM2	CCGT120408-FM2	0.508	0.031	0.004-0.012	0.012-0.138										😐								😐	
	CCGT2(1.5)0.2-FN2	CCGT060201-FN2	0.254	0.004	0.001-0.002	0.004-0.059														😐					
	CCGT2(1.5)0.5-FN2	CCGT060202-FN2	0.254	0.008	0.002-0.005	0.008-0.079														😐	😊				
	CCGT2(1.5)1-FN2	CCGT060204-FN2	0.254	0.016	0.003-0.010	0.008-0.098														😐	😊				
	CCGT3(2.5)0.2-FN2	CCGT09T301-FN2	0.381	0.004	0.001-0.002	0.004-0.059														😐					
	CCGT3(2.5)0.5-FN2	CCGT09T302-FN2	0.381	0.008	0.002-0.005	0.008-0.079														😐	😊				
	CCGT3(2.5)1-FN2	CCGT09T304-FN2	0.381	0.016	0.003-0.010	0.008-0.098														😐	😊				
	CCGT3(2.5)2-FN2	CCGT09T308-FN2	0.381	0.031	0.004-0.012	0.012-0.118														😐	😊				
	CCGT431-FN2	CCGT120404-FN2	0.508	0.016	0.003-0.010	0.008-0.118														😐	😊				
	CCGT432-FN2	CCGT120408-FN2	0.508	0.031	0.004-0.012	0.012-0.138														😐	😊				
	CCGT2(1.5)0.2M-FP2	CCGT060201M-FP2	0.254	0.003	0.001-0.002	0.004-0.059						😊													
	CCGT2(1.5)0.5M-FP2	CCGT060202M-FP2	0.254	0.007	0.002-0.005	0.008-0.079						😊													
	CCGT2(1.5)1M-FP2	CCGT060204M-FP2	0.254	0.015	0.003-0.010	0.008-0.098						😊													
	CCGT3(2.5)0.2M-FP2	CCGT09T301M-FP2	0.381	0.003	0.001-0.002	0.004-0.059						😊													
	CCGT3(2.5)0.5M-FP2	CCGT09T302M-FP2	0.381	0.007	0.002-0.005	0.008-0.079						😊													
	CCGT3(2.5)1M-FP2	CCGT09T304M-FP2	0.381	0.015	0.003-0.010	0.008-0.098						😊													
	CCGT3(2.5)2M-FP2	CCGT09T308M-FP2	0.381	0.030	0.004-0.012	0.012-0.118						😊													
	CCGT2(1.5)1-MK4	CCGT060204-MK4	0.254	0.016	0.003-0.008	0.016-0.079													😐						
	CCGT2(1.5)2-MK4	CCGT060208-MK4	0.254	0.031	0.005-0.010	0.02-0.079													😐						
	CCGT3(2.5)1-MK4	CCGT09T304-MK4	0.381	0.016	0.003-0.01	0.016-0.118													😐						
	CCGT3(2.5)2-MK4	CCGT09T308-MK4	0.381	0.031	0.005-0.013	0.020-0.118													😐						
	CCGT432-MK4	CCGT120408-MK4	0.508	0.031	0.005-0.013	0.020-0.138													😐						
	CCGT2(1.5)1-MM4	CCGT060204-MM4	0.254	0.016	0.003-0.008	0.016-0.079								😊		😐						😊		😐	
	CCGT2(1.5)2-MM4	CCGT060208-MM4	0.254	0.031	0.005-0.010	0.02-0.079								😊		😐						😊		😐	
	CCGT3(2.5)1-MM4	CCGT09T304-MM4	0.381	0.016	0.003-0.010	0.016-0.118								😊		😐						😊		😐	
	CCGT3(2.5)2-MM4	CCGT09T308-MM4	0.381	0.031	0.005-0.013	0.020-0.118								😊		😐						😊		😐	
	CCGT432-MM4	CCGT120408-MM4	0.508	0.031	0.005-0.013	0.020-0.138										😐								😐	
	CCGT2(1.5)0.2-MN2	CCGT060201-MN2	0.254	0.004	0.001-0.002	0.020-0.059														😐	😊				
	CCGT2(1.5)0.5-MN2	CCGT060202-MN2	0.254	0.008	0.002-0.005	0.020-0.079								😊						😐	😊	😐			
	CCGT2(1.5)1-MN2	CCGT060204-MN2	0.254	0.016	0.003-0.010	0.024-0.118								😊						😐	😊	😐			
	CCGT3(2.5)0.2-MN2	CCGT09T301-MN2	0.381	0.004	0.001-0.002	0.020-0.059														😐	😊				
	CCGT3(2.5)0.5-MN2	CCGT09T302-MN2	0.381	0.008	0.002-0.005	0.020-0.079								😊						😐	😊	😐			
	CCGT3(2.5)1-MN2	CCGT09T304-MN2	0.381	0.016	0.003-0.010	0.024-0.157								😊						😐	😊	😐			
	CCGT3(2.5)2-MN2	CCGT09T308-MN2	0.381	0.031	0.004-0.014	0.031-0.157								😊						😐	😊	😐			
	CCGT4(3)0.5-MN2	CCGT120402-MN2	0.508	0.008	0.002-0.005	0.020-0.079														😐	😊				

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: CCGT2(1.5)0.2-FM2 WSM20S

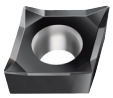
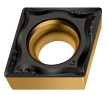
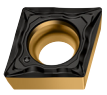
HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Positive rhombic 80°
CCGT / CCMT / CCMW
Tiger·tec® Gold



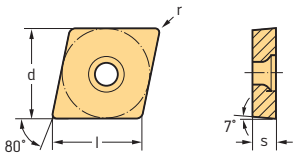
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP01	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	CCGT431-MN2	CCGT120404-MN2	0.508	0.016	0.003-0.010	0.024-0.197														●	●				
	CCGT432-MN2	CCGT120408-MN2	0.508	0.031	0.004-0.014	0.031-0.197														●	●				
	CCGT2(1.5)1-MP4	CCGT060204-MP4	0.254	0.016	0.003-0.008	0.016-0.079				●															
	CCGT3(2.5)1-MP4	CCGT09T304-MP4	0.381	0.016	0.003-0.010	0.016-0.118			●	●															
	CCGT3(2.5)2-MP4	CCGT09T308-MP4	0.381	0.031	0.005-0.013	0.020-0.118			●	●															
	CCGT432-MP4	CCGT120408-MP4	0.508	0.031	0.005-0.013	0.020-0.138			●	●															
	CCMT2(1.5)1-FK6	CCMT060204-FK6	0.254	0.016	0.002-0.007	0.012-0.079												●	●						
	CCMT2(1.5)2-FK6	CCMT060208-FK6	0.254	0.031	0.004-0.008	0.020-0.079												●	●						
	CCMT3(2.5)1-FK6	CCMT09T304-FK6	0.381	0.016	0.003-0.008	0.012-0.079												●	●						
	CCMT3(2.5)2-FK6	CCMT09T308-FK6	0.381	0.031	0.004-0.010	0.020-0.079												●	●						
	CCMT431-FK6	CCMT120404-FK6	0.508	0.016	0.004-0.010	0.012-0.098													●						
	CCMT432-FK6	CCMT120408-FK6	0.508	0.031	0.005-0.013	0.020-0.098												●	●						
	CCMT2(1.5)0.5-FM4	CCMT060202-FM4	0.254	0.008	0.002-0.005	0.004-0.039	●						●		●	●	●						●	●	●
	CCMT2(1.5)1-FM4	CCMT060204-FM4	0.254	0.016	0.002-0.006	0.004-0.059	●						●	●	●	●	●					●	●	●	●
	CCMT2(1.5)2-FM4	CCMT060208-FM4	0.254	0.031	0.003-0.008	0.004-0.059	●						●			●	●							●	●
	CCMT3(2.5)0.5-FM4	CCMT09T302-FM4	0.381	0.008	0.002-0.005	0.004-0.039	●						●	●	●	●	●					●	●	●	●
	CCMT3(2.5)1-FM4	CCMT09T304-FM4	0.381	0.016	0.002-0.006	0.004-0.059	●						●	●	●	●	●					●	●	●	●
	CCMT3(2.5)2-FM4	CCMT09T308-FM4	0.381	0.031	0.003-0.008	0.004-0.059	●						●	●	●	●	●					●	●	●	●
	CCMT431-FM4	CCMT120404-FM4	0.508	0.016	0.002-0.006	0.004-0.059									●	●	●						●	●	●
	CCMT432-FM4	CCMT120408-FM4	0.508	0.031	0.003-0.008	0.004-0.059									●	●	●						●	●	●
	CCMT2(1.5)1-FM6	CCMT060204-FM6	0.254	0.016	0.003-0.010	0.012-0.063										●	●							●	●
	CCMT2(1.5)2-FM6	CCMT060208-FM6	0.254	0.031	0.005-0.012	0.020-0.063										●								●	
	CCMT3(2.5)1-FM6	CCMT09T304-FM6	0.381	0.016	0.003-0.010	0.012-0.079										●	●							●	●
	CCMT3(2.5)2-FM6	CCMT09T308-FM6	0.381	0.031	0.005-0.013	0.020-0.079										●	●							●	●
	CCMT432-FM6	CCMT120408-FM6	0.508	0.031	0.005-0.013	0.020-0.098										●	●							●	●
	CCMT2(1.5)0.5-FP4	CCMT060202-FP4	0.254	0.008	0.002-0.005	0.004-0.039			●	●		●													
	CCMT2(1.5)1-FP4	CCMT060204-FP4	0.254	0.016	0.002-0.006	0.004-0.059			●	●		●													
	CCMT2(1.5)2-FP4	CCMT060208-FP4	0.254	0.031	0.003-0.008	0.004-0.059			●	●															
	CCMT3(2.5)0.5-FP4	CCMT09T302-FP4	0.381	0.008	0.002-0.005	0.004-0.039			●	●		●													
	CCMT3(2.5)1-FP4	CCMT09T304-FP4	0.381	0.016	0.002-0.006	0.004-0.059			●	●		●													
	CCMT3(2.5)2-FP4	CCMT09T308-FP4	0.381	0.031	0.003-0.008	0.004-0.059			●	●		●													
	CCMT431-FP4	CCMT120404-FP4	0.508	0.016	0.002-0.006	0.004-0.059			●	●															
	CCMT432-FP4	CCMT120408-FP4	0.508	0.031	0.003-0.008	0.004-0.059			●	●															
	CCMT2(1.5)1-FP6	CCMT060204-FP6	0.254	0.016	0.002-0.007	0.012-0.079			●	●															
	CCMT2(1.5)2-FP6	CCMT060208-FP6	0.254	0.031	0.004-0.008	0.020-0.079				●															
	CCMT3(2.5)1-FP6	CCMT09T304-FP6	0.381	0.016	0.003-0.008	0.012-0.079			●	●															
	CCMT3(2.5)2-FP6	CCMT09T308-FP6	0.381	0.031	0.005-0.013	0.020-0.079			●	●															
	CCMT431-FP6	CCMT120404-FP6	0.508	0.016	0.004-0.010	0.012-0.098				●															
	CCMT432-FP6	CCMT120408-FP6	0.508	0.031	0.005-0.013	0.020-0.098				●															

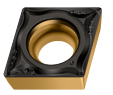
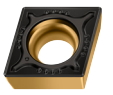
See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: CCGT2(1.5)0.2-FM2 WSM20S

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive rhombic 80°
CCGT / CCMT / CCMW
Tiger·tec® Gold



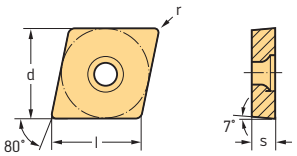
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP01	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
 Wiper	CCMT2(1.5)0.5-FW4	CCMT060202-FW4	0.254	0.008	0.001-0.006	0.004-0.059				●						●								●	
	CCMT2(1.5)1-FW4	CCMT060204-FW4	0.254	0.016	0.002-0.012	0.008-0.079			◐	●					◐	●	✕						◐	●	✕
	CCMT2(1.5)2-FW4	CCMT060208-FW4	0.254	0.031	0.004-0.014	0.012-0.079			◐	●						●								●	
	CCMT3(2.5)0.5-FW4	CCMT09T302-FW4	0.381	0.008	0.001-0.006	0.004-0.079				●						●								●	
	CCMT3(2.5)1-FW4	CCMT09T304-FW4	0.381	0.016	0.003-0.012	0.008-0.098			◐	●					◐	●	✕						◐	●	✕
	CCMT3(2.5)2-FW4	CCMT09T308-FW4	0.381	0.031	0.005-0.020	0.012-0.098			◐	●					◐	●	✕						◐	●	✕
	CCMT2(1.5)1-MK4	CCMT060204-MK4	0.254	0.016	0.003-0.008	0.016-0.079												◐	●						
	CCMT2(1.5)2-MK4	CCMT060208-MK4	0.254	0.031	0.005-0.010	0.020-0.079													●						
	CCMT3(2.5)1-MK4	CCMT09T304-MK4	0.381	0.016	0.003-0.010	0.016-0.118												◐	●						
	CCMT3(2.5)1-MK4	CCMT09T308-MK4	0.381	0.031	0.005-0.013	0.020-0.118												◐	●						
	CCMT431-MK4	CCMT120404-MK4	0.508	0.016	0.005-0.010	0.016-0.138												◐	●						
	CCMT432-MK4	CCMT120408-MK4	0.508	0.031	0.005-0.013	0.020-0.138												◐	●						
	CCMT2(1.5)1-MM4	CCMT060204-MM4	0.254	0.016	0.003-0.008	0.016-0.079	●						●		◐	●	✕						◐	●	✕
	CCMT2(1.5)2-MM4	CCMT060208-MM4	0.254	0.031	0.005-0.010	0.020-0.079	●						●			●								●	
	CCMT3(2.5)1-MM4	CCMT09T304-MM4	0.381	0.016	0.003-0.010	0.016-0.118	●						●	◐	◐	●	✕					◐	◐	●	✕
	CCMT3(2.5)1-MM4	CCMT09T308-MM4	0.381	0.031	0.005-0.013	0.020-0.118	●						●	◐	◐	●	✕					◐	◐	●	✕
	CCMT431-MM4	CCMT120404-MM4	0.508	0.016	0.005-0.010	0.016-0.138	●						●			●								●	
	CCMT432-MM4	CCMT120408-MM4	0.508	0.031	0.005-0.013	0.020-0.138	●						●		◐	●							◐	●	
	CCMT2(1.5)1-MP4	CCMT060204-MP4	0.254	0.016	0.003-0.008	0.016-0.079			◐	●															
	CCMT2(1.5)2-MP4	CCMT060208-MP4	0.254	0.031	0.005-0.010	0.020-0.079			◐	●															
	CCMT3(2.5)1-MP4	CCMT09T304-MP4	0.381	0.016	0.003-0.010	0.016-0.118			◐	●															
	CCMT3(2.5)1-MP4	CCMT09T308-MP4	0.381	0.031	0.005-0.013	0.020-0.118			◐	●															
	CCMT431-MP4	CCMT120404-MP4	0.508	0.016	0.005-0.010	0.016-0.138			◐	●															
	CCMT432-MP4	CCMT120408-MP4	0.508	0.031	0.005-0.013	0.020-0.138			◐	●															
	CCMT2(1.5)1-MP6	CCMT060204-MP6	0.254	0.016	0.004-0.008	0.016-0.098			◐	●	✕														
	CCMT331-MP6	CCMT090304-MP6	0.381	0.016	0.004-0.010	0.016-0.138				●															
	CCMT332-MP6	CCMT090308-MP6	0.381	0.031	0.006-0.013	0.024-0.138				●															
	CCMT3(2.5)1-MP6	CCMT09T304-MP6	0.381	0.016	0.003-0.010	0.016-0.118			◐	●	✕														
	CCMT3(2.5)1-MP6	CCMT09T308-MP6	0.381	0.031	0.005-0.013	0.020-0.118			◐	●	✕														
	CCMT432-MP6	CCMT120408-MP6	0.508	0.031	0.006-0.014	0.024-0.157			◐	●	✕														
	CCMT542-MP6	CCMT160508-MP6	0.635	0.031	0.006-0.016	0.031-0.157				●	✕														
 Wiper	CCMT3(2.5)1-MW4	CCMT09T304-MW4	0.381	0.016	0.005-0.016	0.020-0.157			◐	●						●			●					●	
	CCMT3(2.5)1-MW4	CCMT09T308-MW4	0.381	0.031	0.006-0.020	0.028-0.157			◐	●						●		◐	●					●	
	CCMT3(2.5)3-MW4	CCMT09T312-MW4	0.381	0.047	0.007-0.022	0.031-0.157				●									●						
	CCMT431-MW4	CCMT120404-MW4	0.508	0.016	0.005-0.016	0.020-0.177				●									●						
	CCMT432-MW4	CCMT120408-MW4	0.508	0.031	0.007-0.022	0.028-0.177			◐	●						●			●					●	
	CCMT433-MW4	CCMT120412-MW4	0.508	0.047	0.007-0.022	0.031-0.177				●															
	CCMT2(1.5)2-PF4	CCMT060208-PF4	0.254	0.031	0.003-0.008	0.004-0.059		◐																	
	CCMT3(2.5)0.5-PF4	CCMT09T302-PF4	0.381	0.008	0.002-0.005	0.004-0.039		◐																	
	CCMT3(2.5)1-PF4	CCMT09T304-PF4	0.381	0.016	0.002-0.006	0.004-0.059		◐																	
	CCMT3(2.5)1-PF4	CCMT09T308-PF4	0.381	0.031	0.003-0.008	0.004-0.059		◐																	
	CCMT431-PF4	CCMT120404-PF4	0.508	0.016	0.002-0.006	0.004-0.059		◐																	

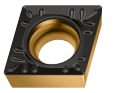
See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: CCGT2(1.5)0.2-FM2 WSM20S

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive rhombic 80°
CCGT / CCMT / CCMW
Tiger·tec® Gold



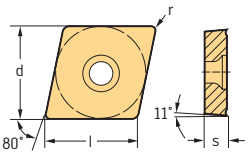
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P						M					K		N		S				
									HC			HE	HC					HC		HC	HW	HC			
							WMP20S	WPP01	WPP10G	WPP20G	WPP30G	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WNN10	WN10	WSM01	WSM10S	WSM20S	WSM30S
	CCMT2(1.5)1-RK4	CCMT060204-RK4	0.254	0.016	0.005-0.010	0.016-0.098												☺	😐						
	CCMT2(1.5)2-RK4	CCMT060208-RK4	0.254	0.031	0.006-0.012	0.024-0.098												☺	😐						
	CCMT3(2.5)1-RK4	CCMT09T304-RK4	0.381	0.016	0.005-0.010	0.016-0.118												☺	😐						
	CCMT3(2.5)2-RK4	CCMT09T308-RK4	0.381	0.031	0.006-0.014	0.024-0.157												☺	😐						
	CCMT431-RK4	CCMT120404-RK4	0.508	0.016	0.005-0.012	0.016-0.157												☺	😐						
	CCMT432-RK4	CCMT120408-RK4	0.508	0.031	0.006-0.016	0.024-0.197												☺	😐						
	CCMT433-RK4	CCMT120412-RK4	0.508	0.047	0.008-0.020	0.031-0.197												☺	😐						
	CCMT2(1.5)1-RM4	CCMT060204-RM4	0.254	0.016	0.005-0.010	0.016-0.098	😐						😐		☺	😐	😟						☺	😐	😟
	CCMT2(1.5)2-RM4	CCMT060208-RM4	0.254	0.031	0.006-0.012	0.024-0.098	😐						😐		☺	😐	😟						☺	😐	😟
	CCMT3(2.5)1-RM4	CCMT09T304-RM4	0.381	0.016	0.005-0.010	0.016-0.118	😐						😐		☺	😐	😟						☺	😐	😟
	CCMT3(2.5)1-RM4	CCMT09T308-RM4	0.381	0.031	0.006-0.014	0.024-0.157	😐						😐		☺	😐	😟						☺	😐	😟
	CCMT431-RM4	CCMT120404-RM4	0.508	0.016	0.005-0.010	0.016-0.118	😐						😐		☺	😐	😟						☺	😐	😟
	CCMT432-RM4	CCMT120408-RM4	0.508	0.031	0.006-0.016	0.024-0.197	😐						😐		☺	😐	😟						☺	😐	😟
	CCMT433-RM4	CCMT120412-RM4	0.508	0.047	0.008-0.020	0.031-0.197	😐						😐			😐	😟							😐	😟
	CCMT2(1.5)1-RP4	CCMT060204-RP4	0.254	0.016	0.005-0.010	0.016-0.098			☺	😐	😟														
	CCMT2(1.5)2-RP4	CCMT060208-RP4	0.254	0.031	0.006-0.012	0.024-0.098				😐	😟														
	CCMT3(2.5)1-RP4	CCMT09T304-RP4	0.381	0.016	0.005-0.010	0.016-0.118			☺	😐	😟														
	CCMT3(2.5)1-RP4	CCMT09T308-RP4	0.381	0.031	0.006-0.014	0.024-0.157			☺	😐	😟														
	CCMT431-RP4	CCMT120404-RP4	0.508	0.016	0.005-0.012	0.016-0.157			☺	😐	😟														
	CCMT432-RP4	CCMT120408-RP4	0.508	0.031	0.006-0.016	0.024-0.197			☺	😐	😟														
	CCMT433-RP4	CCMT120412-RP4	0.508	0.047	0.008-0.020	0.031-0.197			☺	😐	😟														
	CCMW2(1.5)0.5-RK6	CCMW060202-RK6	0.254	0.008	0.003-0.005	0.008-0.098												☺	😐						
	CCMW2(1.5)1-RK6	CCMW060204-RK6	0.254	0.016	0.005-0.010	0.016-0.098												☺	😐						
	CCMW2(1.5)2-RK6	CCMW060208-RK6	0.254	0.031	0.006-0.012	0.020-0.098												☺	😐						
	CCMW3(2.5)1-RK6	CCMW09T304-RK6	0.381	0.016	0.005-0.010	0.016-0.118												☺	😐						
	CCMW3(2.5)1-RK6	CCMW09T308-RK6	0.381	0.031	0.006-0.014	0.020-0.157												☺	😐						
	CCMW432-RK6	CCMW120408-RK6	0.508	0.031	0.006-0.016	0.024-0.197													😐						
	CCMW433-RK6	CCMW120412-RK6	0.508	0.047	0.008-0.020	0.031-0.197													😐						

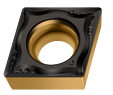
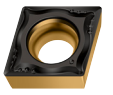
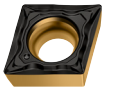
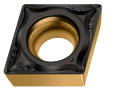
See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: CCGT2(1.5)0.2-FM2 WSM20S

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive rhombic 80°
CPGT / CPMT / CPMW
Tiger·tec® Gold



Indexable inserts

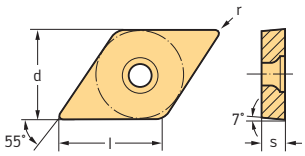
	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM20S	K HC WKK20S	S HC WSM01	S HC WSM20S
	CPGT1.8(1.5)0.5M-FP2	CPGT050202M-FP2	0.222	0.008	0.002-0.005	0.008-0.079				☺						
	CPGT1.8(1.5)1M-FP2	CPGT050204M-FP2	0.222	0.016	0.003-0.008	0.008-0.079				☺						
	CPGT1.8(1.5)1-MK4	CPGT050204-MK4	0.222	0.016	0.003-0.008	0.016-0.059								😐		
	CPGT2(1.5)1-MK4	CPGT060204-MK4	0.254	0.016	0.003-0.008	0.016-0.079								😐		
	CPGT2(1.5)2-MK4	CPGT060208-MK4	0.254	0.031	0.005-0.010	0.020-0.079								😐		
	CPGT3(2.5)1-MK4	CPGT09T308-MK4	0.381	0.031	0.005-0.013	0.020-0.118								😐		
	CPGT1.8(1.5)1-MM4	CPGT050204-MM4	0.222	0.016	0.003-0.008	0.016-0.059							😐			😐
	CPGT2(1.5)0.2-MM4	CPGT060201-MM4	0.254	0.004	0.002-0.005	0.004-0.079						☺			☺	
	CPGT2(1.5)0.5-MM4	CPGT060202-MM4	0.254	0.008	0.002-0.006	0.008-0.079						☺			☺	
	CPGT2(1.5)1-MM4	CPGT060204-MM4	0.254	0.016	0.003-0.008	0.016-0.079						☺	😐		☺	😐
	CPGT2(1.5)2-MM4	CPGT060208-MM4	0.254	0.031	0.005-0.010	0.020-0.079						☺			☺	
	CPGT3(2.5)0.2-MM4	CPGT09T301-MM4	0.381	0.004	0.002-0.008	0.004-0.118						☺			☺	
	CPGT3(2.5)1-MM4	CPGT09T304-MM4	0.381	0.016	0.003-0.010	0.016-0.118						☺	😐		☺	😐
	CPGT3(2.5)1-MM4	CPGT09T308-MM4	0.381	0.031	0.005-0.013	0.020-0.118						☺	😐		☺	😐
	CPGT1.8(1.5)1-MP4	CPGT050204-MP4	0.222	0.016	0.003-0.008	0.016-0.059			😐							
	CPGT2(1.5)1-MP4	CPGT060204-MP4	0.254	0.016	0.003-0.008	0.016-0.079		☺	😐							
	CPGT3(2.5)1-MP4	CPGT09T304-MP4	0.381	0.016	0.003-0.010	0.016-0.118		☺	😐							
	CPGT3(2.5)1-MP4	CPGT09T308-MP4	0.381	0.031	0.005-0.013	0.020-0.118		☺	😐							
	CPMT1.8(1.5)1-FM4	CPMT050204-FM4	0.222	0.016	0.002-0.006	0.004-0.059	😐				😐		😐			😐
	CPMT2(1.5)1-FM4	CPMT060204-FM4	0.254	0.016	0.002-0.006	0.004-0.059	😐				😐		😐			😐
	CPMT3(2.5)1-FM4	CPMT09T304-FM4	0.381	0.016	0.002-0.006	0.004-0.059	😐				😐		😐			😐
	CPMT3(2.5)1-FM4	CPMT09T308-FM4	0.381	0.031	0.003-0.008	0.004-0.059	😐				😐		😐			😐
	CPMT1.8(1.5)1-FP4	CPMT050204-FP4	0.222	0.016	0.002-0.006	0.004-0.059		☺								
	CPMT2(1.5)1-FP4	CPMT060204-FP4	0.254	0.016	0.002-0.006	0.004-0.059		☺								
	CPMT3(2.5)1-FP4	CPMT09T304-FP4	0.381	0.016	0.002-0.006	0.004-0.059		☺								
	CPMT3(2.5)1-FP4	CPMT09T308-FP4	0.381	0.031	0.003-0.008	0.004-0.059		☺								
	CPMT2(1.5)2-MK4	CPMT060208-MK4	0.254	0.031	0.005-0.010	0.020-0.079								😐		
	CPMT3(2.5)1-MK4	CPMT09T308-MK4	0.381	0.031	0.005-0.013	0.020-0.118								😐		
	CPMT1.5(1.2)1-MM4	CPMT04T104-MM4	0.191	0.016	0.002-0.006	0.012-0.059							😐			😐
	CPMT2(1.5)1-MM4	CPMT060204-MM4	0.254	0.016	0.003-0.008	0.016-0.079							😐			😐
	CPMT2(1.5)2-MM4	CPMT060208-MM4	0.254	0.031	0.005-0.010	0.020-0.079							😐			😐
	CPMT3(2.5)1-MM4	CPMT09T304-MM4	0.381	0.016	0.003-0.010	0.016-0.118							😐			😐
	CPMT3(2.5)1-MM4	CPMT09T308-MM4	0.381	0.031	0.005-0.013	0.020-0.118							😐			😐
	CPMT1.5(1.2)1-MP4	CPMT04T104-MP4	0.191	0.016	0.002-0.006	0.012-0.059			😐							
	CPMT2(1.5)1-MP4	CPMT060204-MP4	0.254	0.016	0.003-0.008	0.016-0.079			😐							
	CPMT2(1.5)2-MP4	CPMT060208-MP4	0.254	0.031	0.005-0.010	0.020-0.079			😐							
	CPMT3(2.5)1-MP4	CPMT09T304-MP4	0.381	0.016	0.003-0.010	0.016-0.118			😐							
	CPMT3(2.5)1-MP4	CPMT09T308-MP4	0.381	0.031	0.005-0.013	0.020-0.118			😐							
	CPMW1.8(1.5)1-RK6	CPMW050204-RK6	0.222	0.016	0.005-0.010	0.016-0.098								😐		
	CPMW2(1.5)1-RK6	CPMW060204-RK6	0.254	0.016	0.005-0.010	0.016-0.098								😐		
	CPMW3(2.5)1-RK6	CPMW09T304-RK6	0.381	0.016	0.005-0.010	0.016-0.118								😐		
	CPMW3(2.5)1-RK6	CPMW09T308-RK6	0.381	0.031	0.006-0.014	0.020-0.157								😐		

See the ISO 1832 designation key for dimensions
Ordering example for the grade WEP10C: CPGT1.8(1.5)0.5M-FP2 WEP10C

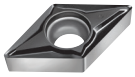
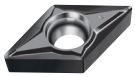
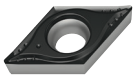
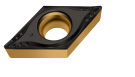
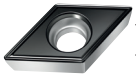
HC = Coated carbide
HE = Coated cermet

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Positive rhombic 55°
DCGT / DCMT / DCMW
Tiger·tec® Gold



Indexable inserts

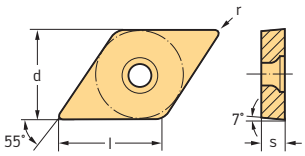
	ANSI Designation	Designation	l in	r in	f in	a_p in	P						M					K		N		S				
									HC			HE	HC					HC		HC	HW	HC			
							WMP20S	WPP01	WPP10G	WPP20G	WPP30G	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WNN10	WN10	WSM01	WSM10S	WSM20S	WSM30S
	DCGT2(1.5)0.2-FM2	DCGT070201-FM2	0.305	0.004	0.001-0.002	0.004-0.059										😐								😐	
	DCGT2(1.5)0.5-FM2	DCGT070202-FM2	0.305	0.008	0.002-0.005	0.008-0.079								😊	😊	😐						😊	😊	😐	
	DCGT2(1.5)1-FM2	DCGT070204-FM2	0.305	0.016	0.003-0.010	0.008-0.098								😊	😊	😐						😊	😊	😐	
	DCGT3(2.5)0.2-FM2	DCGT11T301-FM2	0.458	0.004	0.001-0.002	0.004-0.059										😐								😐	
	DCGT3(2.5)0.5-FM2	DCGT11T302-FM2	0.458	0.008	0.002-0.005	0.008-0.079								😊	😊	😐						😊	😊	😐	
	DCGT3(2.5)1-FM2	DCGT11T304-FM2	0.458	0.016	0.003-0.010	0.008-0.098								😊	😊	😐						😊	😊	😐	
	DCGT3(2.5)2-FM2	DCGT11T308-FM2	0.458	0.031	0.004-0.012	0.012-0.118								😊	😊	😐						😊	😊	😐	
	DCGT2(1.5)0.2-FN2	DCGT070201-FN2	0.305	0.004	0.001-0.002	0.004-0.059														😐					
	DCGT2(1.5)0.5-FN2	DCGT070202-FN2	0.305	0.008	0.002-0.005	0.008-0.079														😐	😊				
	DCGT2(1.5)1-FN2	DCGT070204-FN2	0.305	0.016	0.003-0.01	0.008-0.098														😐	😊				
	DCGT3(2.5)0.2-FN2	DCGT11T301-FN2	0.458	0.004	0.001-0.002	0.004-0.059														😐					
	DCGT3(2.5)0.5-FN2	DCGT11T302-FN2	0.458	0.008	0.002-0.005	0.008-0.079														😐	😊				
	DCGT3(2.5)1-FN2	DCGT11T304-FN2	0.458	0.016	0.003-0.010	0.008-0.098														😐	😊				
	DCGT3(2.5)2-FN2	DCGT11T308-FN2	0.458	0.031	0.004-0.012	0.012-0.118														😐	😊				
	DCGT2(1.5)0.5M-FP2	DCGT070202M-FP2	0.305	0.007	0.002-0.005	0.008-0.079						😊													
	DCGT2(1.5)1M-FP2	DCGT070204M-FP2	0.305	0.015	0.003-0.010	0.008-0.098						😊													
	DCGT32.5X20M-FP2	DCGT11T3005M-FP2	0.458	0.001	0.0004-0.002	0.004-0.039						😊													
	DCGT3(2.5)0.2M-FP2	DCGT11T301M-FP2	0.458	0.003	0.001-0.002	0.004-0.059						😊													
	DCGT3(2.5)0.5M-FP2	DCGT11T302M-FP2	0.458	0.007	0.002-0.005	0.008-0.079						😊													
	DCGT3(2.5)1M-FP2	DCGT11T304M-FP2	0.458	0.015	0.003-0.010	0.008-0.098						😊													
	DCGT3(2.5)2M-FP2	DCGT11T308M-FP2	0.458	0.030	0.004-0.012	0.012-0.118						😊													
	DCGT2(1.5)1-MM4	DCGT070204-MM4	0.305	0.016	0.003-0.008	0.016-0.079								😊		😐						😊		😐	
	DCGT3(2.5)0.5-MM4	DCGT11T302-MM4	0.458	0.008	0.002-0.005	0.008-0.079								😊		😐						😊		😐	
	DCGT3(2.5)1-MM4	DCGT11T304-MM4	0.458	0.016	0.003-0.010	0.016-0.118								😊	😊	😐						😊	😊	😐	
	DCGT3(2.5)2-MM4	DCGT11T308-MM4	0.458	0.031	0.005-0.013	0.020-0.118								😊	😊	😐						😊	😊	😐	
	DCGT2(1.5)0.2-MN2	DCGT070201-MN2	0.305	0.004	0.001-0.002	0.020-0.059														😐	😊				
	DCGT2(1.5)0.5-MN2	DCGT070202-MN2	0.305	0.008	0.002-0.005	0.020-0.079								😊						😐	😊	😐			
	DCGT2(1.5)1-MN2	DCGT070204-MN2	0.305	0.016	0.003-0.010	0.024-0.098								😊						😐	😊	😐			
	DCGT3(2.5)0.2-MN2	DCGT11T301-MN2	0.458	0.004	0.001-0.002	0.020-0.059								😊						😐	😊	😐			
	DCGT3(2.5)0.5-MN2	DCGT11T302-MN2	0.458	0.008	0.002-0.005	0.020-0.079								😊						😐	😊	😐			
	DCGT3(2.5)1-MN2	DCGT11T304-MN2	0.458	0.016	0.003-0.010	0.024-0.118								😊						😐	😊	😐			
	DCGT3(2.5)2-MN2	DCGT11T308-MN2	0.458	0.031	0.004-0.012	0.031-0.138								😊						😐	😊	😐			
	DCGT2(1.5)1-MP4	DCGT070204-MP4	0.305	0.016	0.003-0.008	0.016-0.079				😐															
	DCGT3(2.5)1-MP4	DCGT11T304-MP4	0.458	0.016	0.003-0.010	0.016-0.118			😊	😐															
	DCGT3(2.5)2-MP4	DCGT11T308-MP4	0.458	0.031	0.005-0.013	0.020-0.118			😊	😐															
	DCMT2(1.5)1-FK6	DCMT070204-FK6	0.305	0.016	0.002-0.007	0.012-0.079												😊	😐						
	DCMT3(2.5)1-FK6	DCMT11T304-FK6	0.458	0.016	0.003-0.008	0.012-0.079												😊	😐						
	DCMT3(2.5)2-FK6	DCMT11T308-FK6	0.458	0.031	0.004-0.010	0.020-0.079												😊	😐						
	DCMT2(1.5)0.5-FM4	DCMT070202-FM4	0.305	0.008	0.002-0.005	0.004-0.039								😊	😊	😐	😣					😊	😊	😐	😣
	DCMT2(1.5)1-FM4	DCMT070204-FM4	0.305	0.016	0.002-0.006	0.004-0.059	😐						😐	😊	😊	😐	😣					😊	😊	😐	😣
	DCMT2(1.5)2-FM4	DCMT070208-FM4	0.305	0.031	0.003-0.008	0.004-0.059									😊	😐							😊	😐	
	DCMT3(2.5)0.5-FM4	DCMT11T302-FM4	0.458	0.008	0.002-0.005	0.004-0.039	😐						😐	😊	😊	😐	😣					😊	😊	😐	😣
	DCMT3(2.5)1-FM4	DCMT11T304-FM4	0.458	0.016	0.002-0.006	0.004-0.059	😐						😐	😊	😊	😐	😣					😊	😊	😐	😣
	DCMT3(2.5)2-FM4	DCMT11T308-FM4	0.458	0.031	0.003-0.008	0.004-0.059	😐						😐		😊	😐	😣						😊	😐	😣

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: DCGT2(1.5)0.2-FM2 WSM20S

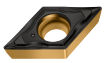
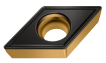
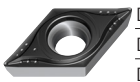
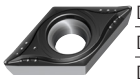
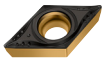
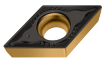
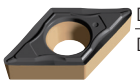
HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = 😣 machining conditions

Positive rhombic 55°
DCGT / DCMT / DCMW
Tiger·tec® Gold



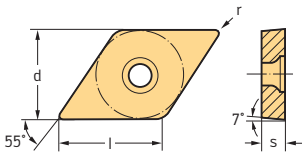
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP01	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	DCMT2(1.5)1-FM6	DCMT070204-FM6	0.305	0.016	0.003-0.010	0.012-0.063										●	●							●	●
	DCMT3(2.5)1-FM6	DCMT11T304-FM6	0.458	0.016	0.003-0.010	0.012-0.079										●	●							●	●
	DCMT3(2.5)2-FM6	DCMT11T308-FM6	0.458	0.031	0.005-0.013	0.024-0.079										●	●							●	●
	DCMT2(1.5)0.5-FP4	DCMT070202-FP4	0.305	0.008	0.002-0.005	0.004-0.039			●	●		●													
	DCMT2(1.5)1-FP4	DCMT070204-FP4	0.305	0.016	0.002-0.006	0.004-0.059			●	●		●													
	DCMT2(1.5)2-FP4	DCMT070208-FP4	0.305	0.031	0.003-0.008	0.004-0.059			●	●															
	DCMT3(2.5)0.5-FP4	DCMT11T302-FP4	0.458	0.008	0.002-0.005	0.004-0.039			●	●		●													
	DCMT3(2.5)1-FP4	DCMT11T304-FP4	0.458	0.016	0.002-0.006	0.004-0.059			●	●		●													
	DCMT3(2.5)2-FP4	DCMT11T308-FP4	0.458	0.031	0.003-0.008	0.004-0.059			●	●		●													
	DCMT2(1.5)1-FP6	DCMT070204-FP6	0.305	0.016	0.002-0.007	0.012-0.079			●	●															
	DCMT3(2.5)1-FP6	DCMT11T304-FP6	0.458	0.016	0.003-0.008	0.012-0.079			●	●															
	DCMT3(2.5)2-FP6	DCMT11T308-FP6	0.458	0.031	0.004-0.010	0.020-0.079			●	●															
 Wiper	DCMT2(1.5)0.5-FW4	DCMT070202-FW4	0.305	0.008	0.001-0.006	0.004-0.059				●					●	●								●	
	DCMT2(1.5)1-FW4	DCMT070204-FW4	0.305	0.016	0.002-0.010	0.008-0.079			●	●					●	●	●						●	●	●
	DCMT2(1.5)2-FW4	DCMT070208-FW4	0.305	0.031	0.004-0.014	0.012-0.079			●	●						●	●							●	●
	DCMT3(2.5)0.5-FW4	DCMT11T302-FW4	0.458	0.008	0.001-0.006	0.004-0.079				●					●	●							●	●	
	DCMT3(2.5)1-FW4	DCMT11T304-FW4	0.458	0.016	0.003-0.012	0.008-0.098			●	●					●	●	●						●	●	●
	DCMT3(2.5)2-FW4	DCMT11T308-FW4	0.458	0.031	0.005-0.016	0.012-0.098			●	●					●	●	●						●	●	●
	DCMT2(1.5)1-MK4	DCMT070204-MK4	0.305	0.016	0.003-0.008	0.016-0.079												●	●						
	DCMT2(1.5)2-MK4	DCMT070208-MK4	0.305	0.031	0.005-0.010	0.020-0.079													●						
	DCMT3(2.5)1-MK4	DCMT11T304-MK4	0.458	0.016	0.003-0.010	0.016-0.118												●	●						
	DCMT3(2.5)2-MK4	DCMT11T308-MK4	0.458	0.031	0.005-0.013	0.020-0.118												●	●						
	DCMT3(2.5)3-MK4	DCMT11T312-MK4	0.458	0.047	0.006-0.014	0.020-0.118													●						
	DCMT2(1.5)1-MM4	DCMT070204-MM4	0.305	0.016	0.003-0.008	0.016-0.079	●						●		●	●	●						●	●	●
	DCMT2(1.5)2-MM4	DCMT070208-MM4	0.305	0.031	0.005-0.010	0.020-0.079	●						●		●	●							●	●	
	DCMT3(2.5)0.5-MM4	DCMT11T302-MM4	0.458	0.008	0.002-0.005	0.008-0.079								●		●	●					●		●	●
	DCMT3(2.5)1-MM4	DCMT11T304-MM4	0.458	0.016	0.003-0.010	0.016-0.118	●						●	●	●	●	●					●	●	●	●
	DCMT3(2.5)2-MM4	DCMT11T308-MM4	0.458	0.031	0.005-0.013	0.020-0.118	●						●	●	●	●	●					●	●	●	●
	DCMT3(2.5)3-MM4	DCMT11T312-MM4	0.458	0.047	0.006-0.014	0.020-0.118										●								●	
	DCMT2(1.5)1-MP4	DCMT070204-MP4	0.305	0.016	0.003-0.008	0.016-0.079			●	●															
	DCMT2(1.5)2-MP4	DCMT070208-MP4	0.305	0.031	0.005-0.010	0.020-0.079			●	●															
	DCMT3(2.5)1-MP4	DCMT11T304-MP4	0.458	0.016	0.003-0.010	0.016-0.118			●	●															
	DCMT3(2.5)2-MP4	DCMT11T308-MP4	0.458	0.031	0.005-0.013	0.020-0.118			●	●															
	DCMT3(2.5)3-MP4	DCMT11T312-MP4	0.458	0.047	0.006-0.014	0.020-0.118			●	●															
	DCMT3(2.5)1-MP6	DCMT11T304-MP6	0.458	0.016	0.004-0.010	0.016-0.138			●	●	●														
	DCMT3(2.5)2-MP6	DCMT11T308-MP6	0.458	0.031	0.006-0.013	0.024-0.138			●	●	●														
	DCMT431-MP6	DCMT150404-MP6	0.610	0.016	0.004-0.010	0.016-0.157				●															
	DCMT432-MP6	DCMT150408-MP6	0.610	0.031	0.005-0.014	0.024-0.157				●	●														
 Wiper	DCMT3(2.5)1-MW4	DCMT11T304-MW4	0.458	0.016	0.005-0.016	0.020-0.157			●	●						●		●	●					●	
	DCMT3(2.5)2-MW4	DCMT11T308-MW4	0.458	0.031	0.006-0.020	0.020-0.157			●	●						●		●	●					●	
	DCMT3(2.5)1-PF4	DCMT11T304-PF4	0.458	0.016	0.002-0.006	0.004-0.059		●																	
	DCMT3(2.5)2-PF4	DCMT11T308-PF4	0.458	0.031	0.003-0.008	0.004-0.059		●																	

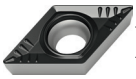
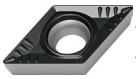
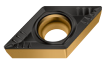
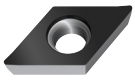
See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: DCGT2(1.5)0.2-FM2 WSM20S

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive rhombic 55°
DCGT / DCMT / DCMW
Tiger·tec® Gold



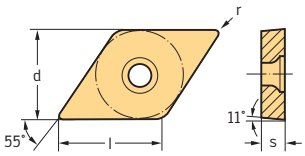
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP01	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	DCMT2(1.5)1-RK4	DCMT070204-RK4	0.305	0.016	0.005-0.008	0.016-0.079												☺	😐						
	DCMT3(2.5)1-RK4	DCMT11T304-RK4	0.458	0.016	0.005-0.010	0.016-0.118												☺	😐						
	DCMT3(2.5)2-RK4	DCMT11T308-RK4	0.458	0.031	0.006-0.014	0.024-0.157												☺	😐						
	DCMT3(2.5)3-RK4	DCMT11T312-RK4	0.458	0.047	0.008-0.016	0.031-0.157													😐						
	DCMT2(1.5)1-RM4	DCMT070204-RM4	0.305	0.016	0.005-0.008	0.016-0.079	😐						😐		☺	😐	☹						☺	😐	☹
	DCMT2(1.5)2-RM4	DCMT070208-RM4	0.305	0.031	0.006-0.012	0.024-0.079									☺	😐	☹						☺	😐	☹
	DCMT3(2.5)1-RM4	DCMT11T304-RM4	0.458	0.016	0.005-0.010	0.016-0.118	😐						😐		☺	😐	☹						☺	😐	☹
	DCMT3(2.5)2-RM4	DCMT11T308-RM4	0.458	0.031	0.006-0.014	0.024-0.157	😐						😐		☺	😐	☹						☺	😐	☹
	DCMT3(2.5)3-RM4	DCMT11T312-RM4	0.458	0.047	0.008-0.016	0.031-0.157										😐	☹							😐	☹
	DCMT2(1.5)1-RP4	DCMT070204-RP4	0.305	0.016	0.005-0.008	0.016-0.079			☺	😐	☹														
	DCMT2(1.5)2-RP4	DCMT070208-RP4	0.305	0.031	0.006-0.012	0.024-0.079			☺	😐	☹														
	DCMT3(2.5)1-RP4	DCMT11T304-RP4	0.458	0.016	0.005-0.010	0.016-0.118			☺	😐	☹														
	DCMT3(2.5)2-RP4	DCMT11T308-RP4	0.458	0.031	0.006-0.014	0.024-0.157			☺	😐	☹														
	DCMT3(2.5)3-RP4	DCMT11T312-RP4	0.458	0.047	0.008-0.016	0.031-0.157			☺	😐	☹														
	DCMW3(2.5)1-RK6	DCMW11T304-RK6	0.458	0.016	0.005-0.010	0.016-0.118												☺	😐						
	DCMW3(2.5)2-RK6	DCMW11T308-RK6	0.458	0.031	0.006-0.014	0.020-0.157												☺	😐						

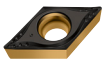
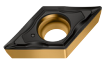
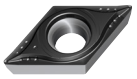
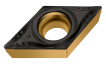
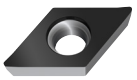
See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: DCGT2(1.5)0.2-FM2 WSM20S

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive rhombic 55°
DPGT / DPMT / DPMW
Tiger·tec® Gold



Indexable inserts

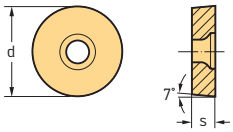
	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	M HC WMP20S	M HC WSM01	M HC WSM20S	K HC WKK20S	S HC WSM01	S HC WSM20S
	DPGT3(2.5)1-MM4	DPGT11T304-MM4	0.458	0.016	0.003-0.010	0.016-0.118					☺	😐		☺	😐
	DPGT3(2.5)2-MM4	DPGT11T308-MM4	0.458	0.031	0.005-0.013	0.020-0.118					☺	😐		☺	😐
	DPGT3(2.5)1-MP4	DPGT11T304-MP4	0.458	0.016	0.003-0.010	0.016-0.118			😐						
	DPMT2(1.5)1-FM4	DPMT070204-FM4	0.305	0.016	0.002-0.006	0.004-0.059	😐			😐		😐			😐
	DPMT3(2.5)1-FM4	DPMT11T304-FM4	0.458	0.016	0.002-0.006	0.004-0.059	😐			😐		😐			😐
	DPMT3(2.5)2-FM4	DPMT11T308-FM4	0.458	0.031	0.003-0.008	0.004-0.059	😐			😐					
	DPMT2(1.5)1-FP4	DPMT070204-FP4	0.305	0.016	0.002-0.006	0.004-0.059		☺							
	DPMT3(2.5)1-FP4	DPMT11T304-FP4	0.458	0.016	0.002-0.006	0.004-0.059		☺							
	DPMT3(2.5)2-FP4	DPMT11T308-FP4	0.458	0.031	0.003-0.008	0.004-0.059		☺							
	DPMT2(1.5)1-MM4	DPMT070204-MM4	0.305	0.016	0.003-0.008	0.016-0.079						😐			😐
	DPMT3(2.5)1-MM4	DPMT11T304-MM4	0.458	0.016	0.003-0.010	0.016-0.118						😐			😐
	DPMT2(1.5)1-MP4	DPMT070204-MP4	0.305	0.016	0.003-0.008	0.016-0.079			😐						
	DPMT3(2.5)1-MP4	DPMT11T304-MP4	0.458	0.016	0.003-0.010	0.016-0.118			😐						
	DPMT3(2.5)2-MP4	DPMT11T308-MP4	0.458	0.031	0.005-0.013	0.020-0.118			😐						
	DPMW3(2.5)2-RK6	DPMW11T308-RK6	0.458	0.031	0.006-0.014	0.020-0.157							😐		

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM01: DPGT3(2.5)1-MM4 WSM01

HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Positive round
RCGT / RCMT / RCMX
Tiger·tec® Gold



Indexable inserts

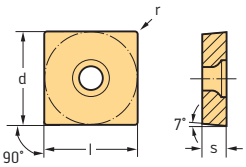
	ANSI Designation	Designation	d in	f in	a_p in	P				M				K		N		S		
							HC				HC				HC	HC	HW	HC		
						WMP20S	WPP10G	WPP20G	WPP30G	WMP20S	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WNN10	WN10	WSM10S	WSM20S	WSM30S
		RCGT0602M0-MN2	0.236	0.004-0.022	0.024-0.098											😐	🙂			
		RCGT0803M0-MN2	0.315	0.005-0.024	0.028-0.118											😐	🙂			
		RCGT10T3M0-MN2	0.394	0.006-0.028	0.031-0.157											😐	🙂			
	RCGT43-MN2	RCGT120400-MN2	0.500	0.007-0.031	0.039-0.197											😐				
		RCGT1204M0-MN2	0.472	0.007-0.031	0.039-0.197											😐	🙂			
		RCMT0602M0-FM4	0.236	0.003-0.012	0.024-0.098						🙂	😐						🙂	😐	
		RCMT0803M0-FM4	0.315	0.003-0.012	0.031-0.118						🙂	😐	☹					🙂	😐	☹
		RCMT10T3M0-FM4	0.394	0.004-0.014	0.039-0.157						🙂	😐	☹					🙂	😐	☹
		RCMT1204M0-FM4	0.472	0.005-0.016	0.047-0.197						🙂	😐	☹					🙂	😐	☹
		RCMT0602M0-FP4	0.236	0.003-0.012	0.024-0.098		🙂	😐												
		RCMT0803M0-FP4	0.315	0.003-0.012	0.031-0.118			😐												
		RCMT10T3M0-FP4	0.394	0.004-0.014	0.039-0.157			😐												
		RCMT1204M0-FP4	0.472	0.005-0.016	0.047-0.197		🙂	😐												
		RCMT10T3M0-HU6	0.394	0.005-0.031	0.039-0.157		🙂	😐	☹											
		RCMT1204M0-HU6	0.472	0.005-0.047	0.047-0.197		🙂	😐	☹											
		RCMT1606M0-HU6	0.630	0.006-0.047	0.063-0.276		🙂	😐	☹											
		RCMT0602M0-RK4	0.236	0.003-0.020	0.024-0.098										😐					
		RCMT0803M0-RK4	0.315	0.004-0.024	0.031-0.118										😐					
		RCMT10T3M0-RK4	0.394	0.005-0.031	0.039-0.157									🙂	😐					
		RCMT1204M0-RK4	0.472	0.005-0.039	0.047-0.197									🙂	😐					
		RCMT1605M0-RK4	0.630	0.006-0.047	0.063-0.276										😐					
		RCMT1606M0-RK4	0.630	0.006-0.047	0.063-0.276									🙂	😐					
		RCMT0602M0-RM4	0.236	0.003-0.020	0.024-0.098							😐	☹						😐	☹
	RCMT22-RM4	RCMT060300-RM4	0.250	0.003-0.020	0.024-0.098							😐							😐	
		RCMT0803M0-RM4	0.315	0.004-0.024	0.031-0.118	😐				😐		😐	☹						😐	☹
	RCMT3(2.5)-RM4	RCMT09T300-RM4	0.375	0.004-0.024	0.031-0.118							😐							😐	
		RCMT10T3M0-RM4	0.394	0.005-0.031	0.039-0.157	😐				😐		😐	☹						😐	☹
		RCMT120400-RM4	0.500	0.005-0.039	0.047-0.197							😐							😐	
		RCMT1204M0-RM4	0.472	0.005-0.039	0.047-0.197	😐				😐		😐	☹						😐	☹
		RCMT1606M0-RM4	0.630	0.006-0.047	0.063-0.276							😐	☹						😐	☹
		RCMT0602M0-RP4	0.236	0.003-0.020	0.024-0.098			😐	☹											
	RCMT22-RP4	RCMT060300-RP4	0.250	0.003-0.020	0.024-0.098			😐												
		RCMT0803M0-RP4	0.315	0.004-0.024	0.031-0.118		🙂	😐	☹											
	RCMT3(2.5)-RP4	RCMT09T300-RP4	0.375	0.004-0.024	0.031-0.118			😐												
		RCMT10T3M0-RP4	0.394	0.005-0.031	0.039-0.157		🙂	😐	☹											
	RCMT43-RP4	RCMT120400-RP4	0.500	0.005-0.039	0.047-0.197			😐												
		RCMT1204M0-RP4	0.472	0.005-0.039	0.047-0.197		🙂	😐	☹											
		RCMT1605M0-RP4	0.630	0.006-0.047	0.063-0.276		🙂	😐	☹											
		RCMT1606M0-RP4	0.630	0.006-0.047	0.063-0.276		🙂	😐	☹											
		RCMX2006M0-HU6	0.787	0.010-0.055	0.079-0.354		🙂	😐	☹											
		RCMX2507M0-HU6	0.984	0.012-0.063	0.098-0.433		🙂	😐	☹											
		RCMX3209M0-HU6	1.260	0.012-0.067	0.126-0.591		🙂	😐	☹											

See the ISO 1832 designation key for dimensions
Ordering example for the grade WN10: RCGT0602M0-MN2 WN10

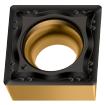
HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = 🙂 → Average = 😐 → Poor = ☹ machining conditions

Positive square
SCGT / SCMT / SCMW
Tiger·tec® Gold



Indexable inserts

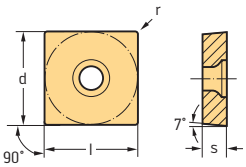
	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	SCGT3(2.5)1-FM2	SCGT09T304-FM2	0.375	0.016	0.003-0.010	0.008-0.098									😐								😐	
	SCGT3(2.5)2-FM2	SCGT09T308-FM2	0.375	0.031	0.004-0.012	0.012-0.118									😐								😐	
	SCGT432-FM2	SCGT120408-FM2	0.500	0.031	0.004-0.012	0.012-0.118									😐								😐	
	SCGT3(2.5)1-FN2	SCGT09T304-FN2	0.375	0.016	0.003-0.010	0.008-0.098													😐					
	SCGT3(2.5)2-FN2	SCGT09T308-FN2	0.375	0.031	0.004-0.012	0.012-0.118													😐					
	SCGT432-FN2	SCGT120408-FN2	0.500	0.031	0.004-0.012	0.012-0.118													😐					
	SCGT09T308-MK4	SCGT09T308-MK4	0.375	0.031	0.005-0.013	0.020-0.118												😐						
	SCGT432-MK4	SCGT120408-MK4	0.500	0.031	0.005-0.013	0.020-0.138												😐						
	SCGT3(2.5)1-MM4	SCGT09T304-MM4	0.375	0.016	0.003-0.010	0.016-0.118							😊		😐						😊		😐	
	SCGT3(2.5)2-MM4	SCGT09T308-MM4	0.375	0.031	0.005-0.013	0.020-0.118							😊		😐						😊		😐	
	SCGT432-MM4	SCGT120408-MM4	0.500	0.031	0.005-0.013	0.020-0.138									😐								😐	
	SCGT3(2.5)1-MN2	SCGT09T304-MN2	0.375	0.016	0.003-0.010	0.024-0.157							😊						😐	😊	😐			
	SCGT3(2.5)2-MN2	SCGT09T308-MN2	0.375	0.031	0.004-0.014	0.028-0.157							😊						😐	😊	😐			
	SCGT432-MN2	SCGT120408-MN2	0.500	0.031	0.004-0.016	0.031-0.236													😐	😊				
	SCGT3(2.5)1-MP4	SCGT09T304-MP4	0.375	0.016	0.003-0.010	0.016-0.118			😐															
	SCGT3(2.5)2-MP4	SCGT09T308-MP4	0.375	0.031	0.005-0.013	0.020-0.118			😐															
	SCGT432-MP4	SCGT120408-MP4	0.500	0.031	0.005-0.013	0.020-0.138			😐															
	SCMT3(2.5)1-FK6	SCMT09T304-FK6	0.375	0.016	0.003-0.008	0.012-0.079											😊	😐						
	SCMT3(2.5)2-FK6	SCMT09T308-FK6	0.375	0.031	0.004-0.010	0.020-0.079											😊	😐						
	SCMT432-FK6	SCMT120408-FK6	0.500	0.031	0.005-0.013	0.020-0.098											😊	😐						
	SCMT2(1.5)1-FM4	SCMT060204-FM4	0.250	0.016	0.002-0.006	0.004-0.059	😐					😐			😐								😐	
	SCMT3(2.5)1-FM4	SCMT09T304-FM4	0.375	0.016	0.002-0.006	0.004-0.059	😐					😐			😐	😐							😐	😐
	SCMT3(2.5)2-FM4	SCMT09T308-FM4	0.375	0.031	0.002-0.007	0.004-0.071	😐					😐			😐	😐							😐	😐
	SCMT431-FM4	SCMT120404-FM4	0.500	0.016	0.002-0.006	0.004-0.059									😐								😐	
	SCMT432-FM4	SCMT120408-FM4	0.500	0.031	0.002-0.007	0.004-0.071									😐	😐							😐	😐
	SCMT3(2.5)1-FM6	SCMT09T304-FM6	0.375	0.016	0.003-0.010	0.012-0.079										😐								😐
	SCMT3(2.5)2-FM6	SCMT09T308-FM6	0.375	0.031	0.005-0.012	0.020-0.079									😐	😐							😐	😐
	SCMT432-FM6	SCMT120408-FM6	0.500	0.031	0.005-0.013	0.020-0.098									😐	😐							😐	😐
	SCMT2(1.5)1-FP4	SCMT060204-FP4	0.250	0.016	0.002-0.006	0.004-0.059		😊																
	SCMT3(2.5)1-FP4	SCMT09T304-FP4	0.375	0.016	0.002-0.006	0.004-0.059		😊	😐		😊													
	SCMT3(2.5)2-FP4	SCMT09T308-FP4	0.375	0.031	0.002-0.007	0.004-0.071		😊	😐		😊													
	SCMT431-FP4	SCMT120404-FP4	0.500	0.016	0.002-0.006	0.004-0.059			😐															
	SCMT432-FP4	SCMT120408-FP4	0.500	0.031	0.002-0.007	0.004-0.071			😐															
	SCMT433-FP4	SCMT120412-FP4	0.500	0.047	0.005-0.013	0.012-0.071			😐															
	SCMT3(2.5)1-FP6	SCMT09T304-FP6	0.375	0.016	0.003-0.008	0.012-0.079			😐															
	SCMT3(2.5)2-FP6	SCMT09T308-FP6	0.375	0.031	0.004-0.010	0.020-0.079			😐															
	SCMT432-FP6	SCMT120408-FP6	0.500	0.031	0.005-0.013	0.020-0.098			😐															

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: SCGT3(2.5)1-FM2 WSM20S

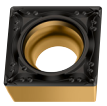
HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = 😣 machining conditions

Positive square
SCGT / SCMT / SCMW
Tiger·tec® Gold



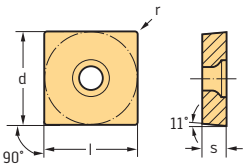
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	SCMT3(2.5)1-MK4	SCMT09T304-MK4	0.375	0.016	0.003-0.010	0.016-0.118											●	●						
	SCMT3(2.5)2-MK4	SCMT09T308-MK4	0.375	0.031	0.005-0.013	0.020-0.118											●	●						
	SCMT432-MK4	SCMT120408-MK4	0.500	0.031	0.005-0.013	0.020-0.138											●	●						
	SCMT3(2.5)1-MM4	SCMT09T304-MM4	0.375	0.016	0.003-0.010	0.016-0.118	●					●		●	●						●	●	
	SCMT3(2.5)2-MM4	SCMT09T308-MM4	0.375	0.031	0.005-0.013	0.020-0.118	●					●		●	●	●					●	●	●
	SCMT432-MM4	SCMT120408-MM4	0.500	0.031	0.005-0.013	0.020-0.138	●					●			●							●	
	SCMT3(2.5)1-MP4	SCMT09T304-MP4	0.375	0.016	0.003-0.010	0.016-0.118			●														
	SCMT3(2.5)2-MP4	SCMT09T308-MP4	0.375	0.031	0.005-0.013	0.020-0.118		●	●														
	SCMT432-MP4	SCMT120408-MP4	0.500	0.031	0.005-0.013	0.020-0.138		●	●														
	SCMT3(2.5)1-RK4	SCMT09T304-RK4	0.375	0.016	0.005-0.010	0.016-0.118											●	●						
	SCMT3(2.5)2-RK4	SCMT09T308-RK4	0.375	0.031	0.006-0.014	0.024-0.157											●	●						
	SCMT431-RK4	SCMT120404-RK4	0.500	0.016	0.005-0.010	0.016-0.118											●	●						
	SCMT432-RK4	SCMT120408-RK4	0.500	0.031	0.006-0.016	0.024-0.197											●	●						
	SCMT433-RK4	SCMT120412-RK4	0.500	0.047	0.008-0.020	0.031-0.197											●	●						
	SCMT3(2.5)1-RM4	SCMT09T304-RM4	0.375	0.016	0.005-0.010	0.016-0.118									●	●							●	●
	SCMT3(2.5)2-RM4	SCMT09T308-RM4	0.375	0.031	0.006-0.014	0.024-0.157	●					●		●	●	●					●	●	●	●
	SCMT431-RM4	SCMT120404-RM4	0.500	0.016	0.005-0.010	0.016-0.118									●	●							●	●
	SCMT432-RM4	SCMT120408-RM4	0.500	0.031	0.006-0.016	0.024-0.197	●					●		●	●	●					●	●	●	●
	SCMT433-RM4	SCMT120412-RM4	0.500	0.047	0.008-0.020	0.031-0.197	●					●			●	●							●	●
	SCMT3(2.5)1-RP4	SCMT09T304-RP4	0.375	0.016	0.005-0.010	0.016-0.118		●	●	●														
	SCMT3(2.5)2-RP4	SCMT09T308-RP4	0.375	0.031	0.006-0.014	0.024-0.157		●	●	●														
	SCMT3(2.5)3-RP4	SCMT09T312-RP4	0.375	0.047	0.008-0.018	0.031-0.197		●																
	SCMT431-RP4	SCMT120404-RP4	0.500	0.016	0.005-0.010	0.016-0.118		●	●	●														
	SCMT432-RP4	SCMT120408-RP4	0.500	0.031	0.006-0.016	0.024-0.197		●	●	●														
	SCMT433-RP4	SCMT120412-RP4	0.500	0.047	0.008-0.020	0.031-0.197		●	●	●														
	SCMW3(2.5)1-RK6	SCMW09T304-RK6	0.375	0.016	0.005-0.010	0.016-0.118												●						
	SCMW3(2.5)2-RK6	SCMW09T308-RK6	0.375	0.031	0.006-0.014	0.024-0.157											●	●						
	SCMW431-RK6	SCMW120404-RK6	0.500	0.016	0.005-0.010	0.016-0.157												●						
	SCMW432-RK6	SCMW120408-RK6	0.500	0.031	0.006-0.016	0.024-0.197												●						
	SCMW433-RK6	SCMW120412-RK6	0.500	0.047	0.008-0.020	0.031-0.197												●						

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: SCGT3(2.5)1-FM2 WSM20S

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive square
SPGT / SPMT / SPMW
Tiger·tec® Gold



Indexable inserts

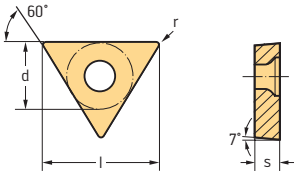
	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WPP20G	M HC WSM01	M HC WSM20S	K HC WKK20S	S HC WSM20S
	SPGT3(2.5)1-MK4	SPGT09T304-MK4	0.375	0.016	0.003-0.010	0.016-0.118				😐	
	SPGT3(2.5)2-MK4	SPGT09T308-MK4	0.375	0.031	0.005-0.013	0.020-0.118				😐	
	SPGT3(2.5)1-MM4	SPGT09T304-MM4	0.375	0.016	0.003-0.010	0.016-0.118			😐		😐
	SPGT3(2.5)2-MM4	SPGT09T308-MM4	0.375	0.031	0.005-0.013	0.020-0.118			😐		😐
	SPMT3(2.5)1-MK4	SPMT09T304-MK4	0.375	0.016	0.003-0.010	0.016-0.118				😐	
	SPMT3(2.5)2-MK4	SPMT09T308-MK4	0.375	0.031	0.005-0.013	0.020-0.118				😐	
	SPMT3(2.5)1-MM4	SPMT09T304-MM4	0.375	0.016	0.003-0.010	0.016-0.118			😐		😐
	SPMT3(2.5)2-MM4	SPMT09T308-MM4	0.375	0.031	0.005-0.013	0.020-0.118			😐		😐
	SPMT3(2.5)1-MP4	SPMT09T304-MP4	0.375	0.016	0.003-0.010	0.016-0.118	😐				
	SPMT3(2.5)2-MP4	SPMT09T308-MP4	0.375	0.031	0.005-0.013	0.020-0.118	😐				
	SPMW3(2.5)2-RK6	SPMW09T308-RK6	0.375	0.031	0.006-0.014	0.024-0.157		🙂		😐	
	SPMW432-RK6	SPMW120408-RK6	0.500	0.031	0.006-0.016	0.024-0.197				😐	

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK20S: SPGT3(2.5)1-MK4 WKK20S

HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = 🙂 → Average = 😐 → Poor = ☹ machining conditions

Positive triangular 60°
TCGT / TCMT / TCMW
Tiger·tec® Gold



Indexable inserts

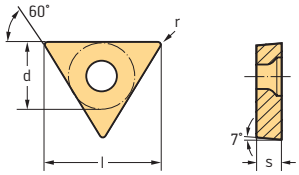
	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM21	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM21	S HC WSM30S
	TCGT1.2(1.2)0.2-FM2	TCGT06T101-FM2	0.270	0.004	0.001-0.002	0.004-0.059										😐									😐	
	TCGT1.2(1.2)0.5-FM2	TCGT06T102-FM2	0.270	0.008	0.002-0.005	0.008-0.079										😐									😐	
	TCGT1.2(1.2)1-FM2	TCGT06T104-FM2	0.270	0.016	0.003-0.010	0.008-0.098							😊			😐					😊				😐	
	TCGT1.8(1.5)0.5-FM2	TCGT090202-FM2	0.379	0.008	0.002-0.005	0.008-0.079									😐								😐			
	TCGT1.8(1.5)1-FM2	TCGT090204-FM2	0.379	0.016	0.003-0.010	0.008-0.098									😐								😐			
	TCGT2(1.5)0.2-FM2	TCGT110201-FM2	0.433	0.004	0.001-0.002	0.004-0.059									😐								😐			
	TCGT2(1.5)0.5-FM2	TCGT110202-FM2	0.433	0.008	0.002-0.005	0.008-0.079							😊		😐						😊		😐			
	TCGT2(1.5)1-FM2	TCGT110204-FM2	0.433	0.016	0.003-0.010	0.008-0.098							😊		😐						😊		😐			
	TCGT3(2.5)0.5-FM2	TCGT16T302-FM2	0.650	0.008	0.002-0.005	0.008-0.079									😐								😐			
	TCGT3(2.5)1-FM2	TCGT16T304-FM2	0.650	0.016	0.003-0.010	0.008-0.098							😊		😐						😊		😐			
	TCGT3(2.5)2-FM2	TCGT16T308-FM2	0.650	0.031	0.004-0.012	0.012-0.118							😊		😐						😊		😐			
	TCGT1.2(1.2)0.2-FN2	TCGT06T101-FN2	0.270	0.004	0.001-0.002	0.004-0.059														😐							
	TCGT1.2(1.2)0.5-FN2	TCGT06T102-FN2	0.270	0.008	0.002-0.005	0.008-0.079														😐						
	TCGT1.2(1.2)1-FN2	TCGT06T104-FN2	0.270	0.016	0.003-0.010	0.008-0.098														😐	😊					
	TCGT1.8(1.5)0.5-FN2	TCGT090202-FN2	0.379	0.008	0.002-0.005	0.008-0.079														😐						
	TCGT1.8(1.5)1-FN2	TCGT090204-FN2	0.379	0.016	0.003-0.010	0.008-0.098														😐	😊					
	TCGT2(1.5)0.5-FN2	TCGT110202-FN2	0.433	0.008	0.002-0.005	0.008-0.079														😐						
	TCGT2(1.5)1-FN2	TCGT110204-FN2	0.433	0.016	0.003-0.010	0.008-0.098														😐	😊					
	TCGT3(2.5)1-FN2	TCGT16T304-FN2	0.650	0.016	0.003-0.010	0.008-0.098														😐	😊					
	TCGT3(2.5)2-FN2	TCGT16T308-FN2	0.650	0.031	0.004-0.012	0.012-0.118														😐	😊					
	TCGT1.2(1.2)1M-FP2	TCGT06T104M-FP2	0.270	0.015	0.003-0.010	0.008-0.079					😊															
	TCGT1.8(1.5)1M-FP2	TCGT090204M-FP2	0.379	0.015	0.003-0.010	0.008-0.098					😊															
	TCGT2(1.5)0.5M-FP2	TCGT110202M-FP2	0.433	0.007	0.002-0.005	0.008-0.079					😊															
	TCGT2(1.5)1M-FP2	TCGT110204M-FP2	0.433	0.015	0.003-0.010	0.008-0.098					😊															
	TCGT2(1.5)1-MK4	TCGT110204-MK4	0.433	0.016	0.003-0.008	0.016-0.079													😐							
	TCGT3(2.5)2-MK4	TCGT16T308-MK4	0.650	0.031	0.005-0.013	0.020-0.118													😐							
	TCGT1.8(1.5)1-MM4	TCGT090204-MM4	0.379	0.016	0.003-0.008	0.016-0.079									😐									😐		
	TCGT2(1.5)1-MM4	TCGT110204-MM4	0.433	0.016	0.003-0.008	0.016-0.079							😊		😐						😊			😐		
	TCGT2(1.5)2-MM4	TCGT110208-MM4	0.433	0.031	0.005-0.012	0.020-0.079							😊								😊					
	TCGT16T304-MM4	TCGT16T304-MM4	0.650	0.016	0.003-0.010	0.016-0.118									😐									😐		
	TCGT3(2.5)2-MM4	TCGT16T308-MM4	0.650	0.031	0.005-0.013	0.020-0.118									😐									😐		
	TCGT2(1.5)0.2-MN2	TCGT110201-MN2	0.433	0.004	0.001-0.002	0.020-0.059													😐							
	TCGT2(1.5)0.5-MN2	TCGT110202-MN2	0.433	0.008	0.002-0.005	0.024-0.079													😐	😊						
	TCGT2(1.5)1-MN2	TCGT110204-MN2	0.433	0.016	0.003-0.010	0.024-0.118													😐	😊						
	TCGT3(2.5)0.5-MN2	TCGT16T302-MN2	0.650	0.008	0.002-0.005	0.020-0.079													😐	😊						
	TCGT3(2.5)1-MN2	TCGT16T304-MN2	0.650	0.016	0.003-0.010	0.024-0.157													😐	😊						
	TCGT3(2.5)2-MN2	TCGT16T308-MN2	0.650	0.031	0.004-0.014	0.031-0.157													😐	😊						
	TCGT1.8(1.5)1-MP4	TCGT090204-MP4	0.379	0.016	0.003-0.008	0.016-0.079			😐																	
	TCGT2(1.5)1-MP4	TCGT110204-MP4	0.433	0.016	0.003-0.008	0.016-0.079		😊	😐																	
	TCGT2(1.5)2-MP4	TCGT110208-MP4	0.433	0.031	0.005-0.012	0.020-0.079			😐																	

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM21: TCGT1.2(1.2)0.2-FM2 WSM21

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Positive triangular 60°
TCGT / TCMT / TCMW
Tiger·tec® Gold



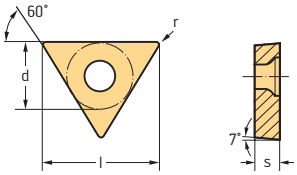
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM21	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM21	S HC WSM30S
	TCMT2(1.5)1-FK6	TCMT110204-FK6	0.433	0.016	0.002-0.007	0.012-0.079												●	●							
	TCMT2(1.5)2-FK6	TCMT110208-FK6	0.433	0.031	0.004-0.008	0.020-0.079												●	●							
	TCMT3(2.5)1-FK6	TCMT16T304-FK6	0.650	0.016	0.003-0.008	0.012-0.079												●	●							
	TCMT3(2.5)2-FK6	TCMT16T308-FK6	0.650	0.031	0.004-0.010	0.020-0.079												●	●							
	TCMT1.2(1.2)0.5-FM4	TCMT06T102-FM4	0.270	0.008	0.001-0.004	0.004-0.039										●									●	
	TCMT1.2(1.2)01-FM4	TCMT06T104-FM4	0.270	0.016	0.002-0.007	0.004-0.039										●									●	
	TCMT1.8(1.5)0.5-FM4	TCMT090202-FM4	0.379	0.008	0.002-0.005	0.004-0.039								●	●								●	●		
	TCMT1.8(1.5)1-FM4	TCMT090204-FM4	0.379	0.016	0.002-0.006	0.004-0.059								●	●								●	●		
	TCMT1.8(1.5)2-FM4	TCMT090208-FM4	0.379	0.031	0.003-0.008	0.004-0.059								●	●								●	●		
	TCMT2(1.5)0.5-FM4	TCMT110202-FM4	0.433	0.008	0.002-0.005	0.004-0.039								●	●		●						●	●		●
	TCMT2(1.5)1-FM4	TCMT110204-FM4	0.433	0.016	0.002-0.006	0.004-0.059	●					●		●	●		●						●	●		●
	TCMT2(1.5)2-FM4	TCMT110208-FM4	0.433	0.031	0.003-0.008	0.004-0.059								●	●		●						●	●		●
	TCMT3(2.5)0.5-FM4	TCMT16T302-FM4	0.650	0.008	0.002-0.005	0.004-0.039									●									●		
	TCMT3(2.5)1-FM4	TCMT16T304-FM4	0.650	0.016	0.002-0.006	0.004-0.059	●					●		●	●		●						●	●		●
	TCMT3(2.5)2-FM4	TCMT16T308-FM4	0.650	0.031	0.003-0.008	0.004-0.059	●					●		●	●		●						●	●		●
	TCMT2(1.5)1-FM6	TCMT110204-FM6	0.433	0.016	0.003-0.010	0.012-0.063									●		●							●		●
	TCMT2(1.5)2-FM6	TCMT110208-FM6	0.433	0.031	0.005-0.012	0.020-0.063									●		●							●		●
	TCMT3(2.5)1-FM6	TCMT16T304-FM6	0.650	0.016	0.003-0.010	0.012-0.079									●		●							●		●
	TCMT3(2.5)2-FM6	TCMT16T308-FM6	0.650	0.031	0.005-0.013	0.020-0.098									●									●		
	TCMT1.2(1.2)0.5-FP4	TCMT06T102-FP4	0.270	0.008	0.001-0.004	0.004-0.039			●																	
	TCMT1.2(1.2)01-FP4	TCMT06T104-FP4	0.270	0.016	0.002-0.007	0.004-0.039			●		●															
	TCMT1.8(1.5)0.5-FP4	TCMT090202-FP4	0.379	0.008	0.002-0.005	0.004-0.039			●																	
	TCMT1.8(1.5)1-FP4	TCMT090204-FP4	0.379	0.016	0.002-0.006	0.004-0.059		●	●		●															
	TCMT1.8(1.5)2-FP4	TCMT090208-FP4	0.379	0.031	0.003-0.008	0.004-0.059			●																	
	TCMT2(1.5)0.5-FP4	TCMT110202-FP4	0.433	0.008	0.002-0.005	0.004-0.039		●	●																	
	TCMT2(1.5)1-FP4	TCMT110204-FP4	0.433	0.016	0.002-0.006	0.004-0.059		●	●		●															
	TCMT2(1.5)2-FP4	TCMT110208-FP4	0.433	0.031	0.003-0.008	0.004-0.059		●	●																	
	TCMT3(2.5)0.5-FP4	TCMT16T302-FP4	0.650	0.008	0.002-0.005	0.004-0.039			●																	
	TCMT3(2.5)1-FP4	TCMT16T304-FP4	0.650	0.016	0.002-0.006	0.004-0.059		●	●																	
	TCMT3(2.5)2-FP4	TCMT16T308-FP4	0.650	0.031	0.003-0.008	0.004-0.059		●	●		●															
	TCMT2(1.5)1-FP6	TCMT110204-FP6	0.433	0.016	0.002-0.007	0.012-0.079			●																	
	TCMT2(1.5)2-FP6	TCMT110208-FP6	0.433	0.031	0.004-0.008	0.020-0.079			●																	
	TCMT3(2.5)1-FP6	TCMT16T304-FP6	0.650	0.016	0.003-0.008	0.012-0.079			●																	
	TCMT3(2.5)2-FP6	TCMT16T308-FP6	0.650	0.031	0.004-0.010	0.020-0.079			●																	
 Wiper	TCMT1.8(1.5)0.5-FW4	TCMT090202-FW4	0.379	0.008	0.001-0.006	0.004-0.059			●						●									●		
	TCMT1.8(1.5)1-FW4	TCMT090204-FW4	0.379	0.016	0.002-0.012	0.008-0.079		●	●						●									●		
	TCMT2(1.5)1-FW4	TCMT110204-FW4	0.433	0.016	0.003-0.012	0.008-0.098		●	●						●									●		
	TCMT2(1.5)2-FW4	TCMT110208-FW4	0.433	0.031	0.005-0.016	0.012-0.098		●	●						●									●		
	TCMT3(2.5)1-FW4	TCMT16T304-FW4	0.650	0.016	0.003-0.014	0.008-0.098		●	●						●									●		
	TCMT3(2.5)2-FW4	TCMT16T308-FW4	0.650	0.031	0.005-0.020	0.012-0.098		●	●						●									●		

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM21: TCGT1.2(1.2)0.2-FM2 WSM21

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive triangular 60°
TCGT / TCMT / TCMW
Tiger·tec® Gold



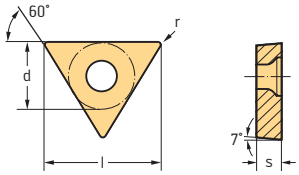
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM21	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM21	S HC WSM30S
	TCMT1.8(1.5)1-MK4	TCMT090204-MK4	0.379	0.016	0.003-0.008	0.016-0.079												☺	☹							
	TCMT1.8(1.5)2-MK4	TCMT090208-MK4	0.379	0.031	0.005-0.010	0.020-0.079													☹							
	TCMT2(1.5)1-MK4	TCMT110204-MK4	0.433	0.016	0.003-0.008	0.016-0.079												☺	☹							
	TCMT2(1.5)2-MK4	TCMT110208-MK4	0.433	0.031	0.005-0.012	0.020-0.079												☺	☹							
	TCMT3(2.5)1-MK4	TCMT16T304-MK4	0.650	0.016	0.003-0.010	0.016-0.118												☺	☹							
	TCMT3(2.5)2-MK4	TCMT16T308-MK4	0.650	0.031	0.005-0.013	0.020-0.118												☺	☹							
	TCMT1.8(1.5)1-MM4	TCMT090204-MM4	0.379	0.016	0.003-0.008	0.016-0.079								☺	☹								☺	☹		
	TCMT1.8(1.5)2-MM4	TCMT090208-MM4	0.379	0.031	0.005-0.010	0.020-0.079									☹									☹		
	TCMT2(1.5)1-MM4	TCMT110204-MM4	0.433	0.016	0.003-0.008	0.016-0.079									☹									☹		
	TCMT2(1.5)2-MM4	TCMT110208-MM4	0.433	0.031	0.005-0.012	0.020-0.079									☹									☹		
	TCMT3(2.5)1-MM4	TCMT16T304-MM4	0.650	0.016	0.003-0.010	0.016-0.118	☹					☹		☺	☹								☺	☹		
	TCMT3(2.5)2-MM4	TCMT16T308-MM4	0.650	0.031	0.005-0.013	0.020-0.118	☹					☹		☺	☹								☺	☹		
	TCMT1.8(1.5)1-MP4	TCMT090204-MP4	0.379	0.016	0.003-0.008	0.016-0.079			☹																	
	TCMT1.8(1.5)2-MP4	TCMT090208-MP4	0.379	0.031	0.005-0.010	0.020-0.079			☹																	
	TCMT2(1.5)1-MP4	TCMT110204-MP4	0.433	0.016	0.003-0.008	0.016-0.079		☺	☹																	
	TCMT2(1.5)2-MP4	TCMT110208-MP4	0.433	0.031	0.005-0.012	0.020-0.079		☺	☹																	
	TCMT3(2.5)1-MP4	TCMT16T304-MP4	0.650	0.016	0.003-0.010	0.016-0.118		☺	☹																	
	TCMT3(2.5)2-MP4	TCMT16T308-MP4	0.650	0.031	0.005-0.013	0.020-0.118		☺	☹																	
	TCMT432-MP4	TCMT220408-MP4	0.866	0.031	0.005-0.013	0.020-0.138			☹																	
	TCMT2(1.5)1-MP6	TCMT110204-MP6	0.433	0.016	0.004-0.008	0.016-0.098		☺	☹																	
	TCMT221-MP6	TCMT110304-MP6	0.433	0.016	0.005-0.010	0.016-0.118			☹																	
	TCMT3(2.5)1-MP6	TCMT16T304-MP6	0.650	0.016	0.004-0.010	0.016-0.138		☺	☹																	
	TCMT3(2.5)2-MP6	TCMT16T308-MP6	0.650	0.031	0.006-0.013	0.024-0.138		☺	☹																	
Wiper	TCMT3(2.5)1-MW4	TCMT16T304-MW4	0.650	0.016	0.005-0.016	0.020-0.157			☹						☹				☹					☹		
Wiper	TCMT3(2.5)2-MW4	TCMT16T308-MW4	0.650	0.031	0.006-0.020	0.020-0.157									☹				☹					☹		
	TCMT1.8(1.5)1-RK4	TCMT090204-RK4	0.379	0.016	0.005-0.010	0.016-0.118												☺	☹							
	TCMT1.8(1.5)2-RK4	TCMT090208-RK4	0.379	0.031	0.006-0.012	0.024-0.118												☺	☹							
	TCMT2(1.5)1-RK4	TCMT110204-RK4	0.433	0.016	0.005-0.010	0.016-0.118												☺	☹							
	TCMT2(1.5)2-RK4	TCMT110208-RK4	0.433	0.031	0.006-0.012	0.024-0.118												☺	☹							
	TCMT3(2.5)1-RK4	TCMT16T304-RK4	0.650	0.016	0.005-0.010	0.016-0.118													☹							
	TCMT3(2.5)2-RK4	TCMT16T308-RK4	0.650	0.031	0.006-0.014	0.024-0.157												☺	☹							
	TCMT3(2.5)3-RK4	TCMT16T312-RK4	0.650	0.047	0.008-0.016	0.031-0.157												☺	☹							
	TCMT1.8(1.5)1-RM4	TCMT090204-RM4	0.379	0.016	0.005-0.010	0.016-0.118									☹		☒							☹		☒
	TCMT1.8(1.5)2-RM4	TCMT090208-RM4	0.379	0.031	0.006-0.012	0.024-0.118									☹									☹		
	TCMT2(1.5)1-RM4	TCMT110204-RM4	0.433	0.016	0.005-0.010	0.016-0.118	☹					☹		☺	☹		☒						☺	☹		☒
	TCMT2(1.5)2-RM4	TCMT110208-RM4	0.433	0.031	0.006-0.012	0.024-0.118	☹					☹			☹		☒							☹		☒
	TCMT3(2.5)1-RM4	TCMT16T304-RM4	0.650	0.016	0.005-0.010	0.016-0.118	☹					☹		☺	☹		☒						☺	☹		☒
	TCMT3(2.5)2-RM4	TCMT16T308-RM4	0.650	0.031	0.006-0.014	0.024-0.157	☹					☹		☺	☹		☒						☺	☹		☒
	TCMT3(2.5)3-RM4	TCMT16T312-RM4	0.650	0.047	0.008-0.016	0.031-0.157									☹		☒							☹		☒

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM21: TCGT1.2(1.2)0.2-FM2 WSM21

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive triangular 60°
TCGT / TCMT / TCMW
Tiger·tec® Gold



Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM21	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM21	S HC WSM30S
	TCMT1.8(1.5)1-RP4	TCMT090204-RP4	0.379	0.016	0.005-0.010	0.016-0.118			●	●															
	TCMT1.8(1.5)2-RP4	TCMT090208-RP4	0.379	0.031	0.006-0.012	0.024-0.118			●	●															
	TCMT2(1.5)1-RP4	TCMT110204-RP4	0.433	0.016	0.005-0.010	0.016-0.118		●	●	●															
	TCMT2(1.5)2-RP4	TCMT110208-RP4	0.433	0.031	0.006-0.012	0.024-0.118			●	●															
	TCMT3(2.5)1-RP4	TCMT16T304-RP4	0.650	0.016	0.005-0.010	0.016-0.118		●	●	●															
	TCMT3(2.5)2-RP4	TCMT16T308-RP4	0.650	0.031	0.006-0.014	0.024-0.157		●	●	●															
	TCMT3(2.5)3-RP4	TCMT16T312-RP4	0.650	0.047	0.008-0.016	0.031-0.157		●	●	●															
	TCMW2(1.5)1-RK6	TCMW110204-RK6	0.433	0.016	0.005-0.010	0.016-0.118												●	●							
	TCMW2(1.5)2-RK6	TCMW110208-RK6	0.433	0.031	0.006-0.012	0.024-0.118												●	●							
	TCMW3(2.5)1-RK6	TCMW16T304-RK6	0.650	0.016	0.005-0.010	0.016-0.118												●	●							
	TCMW3(2.5)2-RK6	TCMW16T308-RK6	0.650	0.031	0.006-0.014	0.024-0.157												●	●							

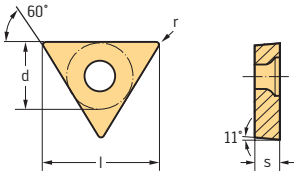
See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM21: TCGT1.2(1.2)0.2-FM2 WSM21

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

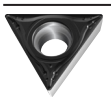
Positive triangular 60°

TPGN / TPGT / TPMR / TPMT / TPMW

Tiger·tec® Gold



Indexable inserts

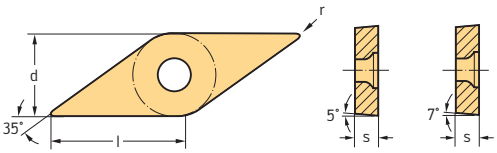
	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	M HC WMP20S	M HC WSM01	M HC WSM20S	K HC WKK20S	S HC WSM01	S HC WSM20S
	TPGN222	TPGN110308	0.433	0.031	0.005-0.008	0.031-0.079						😐			😐
	TPGN321	TPGN160304	0.650	0.016	0.004-0.010	0.016-0.118			😐			😐			😐
	TPGN322	TPGN160308	0.650	0.031	0.005-0.012	0.031-0.118			😐			😐			😐
	TPGT1.8(1.5)1-MK4	TPGT090204-MK4	0.379	0.016	0.003-0.008	0.016-0.079							😐		
	TPGT2(1.5)2-MK4	TPGT110208-MK4	0.433	0.031	0.005-0.012	0.020-0.079							😐		
	TPGT1.8(1.5)1-MM4	TPGT090204-MM4	0.379	0.016	0.003-0.008	0.016-0.079					😊			😊	
	TPGT2(1.5)1-MM4	TPGT110204-MM4	0.433	0.016	0.003-0.008	0.016-0.079					😊	😐		😊	😐
	TPGT 2(1.5)2-MM4	TPGT110208-MM4	0.433	0.031	0.005-0.012	0.020-0.079					😊	😐		😊	😐
	TPGT3(2.5)1-MM4	TPGT16T304-MM4	0.650	0.016	0.003-0.010	0.016-0.118					😊	😐		😊	😐
	TPGT3(2.5)2-MM4	TPGT16T308-MM4	0.650	0.031	0.005-0.013	0.020-0.118					😊	😐		😊	😐
	TPGT1.8(1.5)1-MP4	TPGT090204-MP4	0.379	0.016	0.003-0.008	0.016-0.079			😐						
	TPGT2(1.5)1-MP4	TPGT110204-MP4	0.433	0.016	0.003-0.008	0.016-0.079			😐						
	TPGT3(2.5)1-MP4	TPGT16T304-MP4	0.650	0.016	0.003-0.010	0.016-0.118			😐						
	TPGT3(2.5)2-MP4	TPGT16T308-MP4	0.650	0.031	0.005-0.013	0.020-0.118			😐						
	TPMR221	TPMR110304	0.433	0.016	0.005-0.010	0.016-0.118			😐						
	TPMR222	TPMR110308	0.433	0.031	0.005-0.010	0.016-0.118			😐						
	TPMR321	TPMR160304	0.650	0.016	0.005-0.010	0.016-0.118			😐						
	TPMR322	TPMR160308	0.650	0.031	0.006-0.012	0.024-0.157			😐						
	TPMT2(1.5)1-FM4	TPMT110204-FM4	0.433	0.016	0.002-0.006	0.004-0.059	😐			😐		😐			😐
	TPMT3(2.5)1-FM4	TPMT16T304-FM4	0.650	0.016	0.002-0.006	0.004-0.059	😐			😐		😐			😐
	TPMT2(1.5)1-FP4	TPMT110204-FP4	0.433	0.016	0.002-0.006	0.004-0.059		😊							
	TPMT3(2.5)1-FP4	TPMT16T304-FP4	0.650	0.016	0.002-0.006	0.004-0.059		😊							
	TPMT1.8(1.5)1-MK4	TPMT090204-MK4	0.379	0.016	0.003-0.008	0.016-0.079							😐		
	TPMT1.8(1.5)2-MK4	TPMT090208-MK4	0.379	0.031	0.005-0.008	0.020-0.079							😐		
	TPMT2(1.5)1-MK4	TPMT110204-MK4	0.433	0.016	0.003-0.008	0.016-0.079							😐		
	TPMT3(2.5)1-MK4	TPMT16T304-MK4	0.650	0.016	0.003-0.010	0.016-0.118							😐		
	TPMT3(2.5)2-MK4	TPMT16T308-MK4	0.650	0.031	0.005-0.013	0.020-0.118							😐		
	TPMT1.8(1.5)1-MM4	TPMT090204-MM4	0.379	0.016	0.003-0.008	0.016-0.079						😐			😐
	TPMT2(1.5)1-MM4	TPMT110204-MM4	0.433	0.016	0.003-0.008	0.016-0.079						😐			😐
	TPMT3(2.5)1-MM4	TPMT16T304-MM4	0.650	0.016	0.003-0.010	0.016-0.118						😐			😐
	TPMT3(2.5)2-MM4	TPMT16T308-MM4	0.650	0.031	0.005-0.013	0.020-0.118						😐			😐
	TPMT1.8(1.5)1-MP4	TPMT090204-MP4	0.379	0.016	0.003-0.008	0.016-0.079			😐						
	TPMT2(1.5)1-MP4	TPMT110204-MP4	0.433	0.016	0.003-0.008	0.016-0.079			😐						
	TPMT2(1.5)2-MP4	TPMT110208-MP4	0.433	0.031	0.005-0.012	0.020-0.079			😐						
	TPMT3(2.5)1-MP4	TPMT16T304-MP4	0.650	0.016	0.003-0.010	0.016-0.118			😐						
	TPMT3(2.5)2-MP4	TPMT16T308-MP4	0.650	0.031	0.005-0.013	0.020-0.118			😐						
	TPMW2(1.5)1-RK6	TPMW110204-RK6	0.433	0.016	0.005-0.010	0.016-0.098							😐		
	TPMW3(2.5)1-RK6	TPMW16T304-RK6	0.650	0.016	0.005-0.010	0.016-0.118							😐		
	TPMW3(2.5)2-RK6	TPMW16T308-RK6	0.650	0.031	0.006-0.014	0.024-0.157							😐		

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM20S: TPGN222 WSM20S

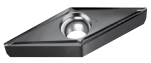
HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Positive rhombic 35°
VBMT / VCGT / VCMT / VCMW
Tiger·tec® Gold



Indexable inserts

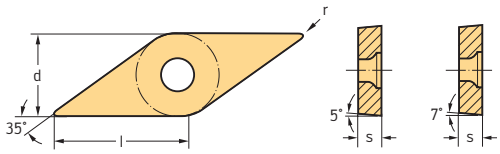
	ANSI Designation	Designation	l in	r in	f in	a_p in	P						M					K		N		S			
									HC			HE	HC					HC		HC	HW	HC			
							WMP20S	WPP01	WPP10G	WPP20G	WPP30G	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WNN10	WN10	WSM01	WSM10S	WSM20S	WSM30S
	VBMT221-FK6	VBMT110304-FK6	0.436	0.016	0.002-0.007	0.012-0.079												☺							
	VBMT331-FK6	VBMT160404-FK6	0.654	0.016	0.003-0.008	0.012-0.079												☺	😐						
	VBMT3(3)1.5-FK6	VBMT160406-FK6	0.654	0.024	0.004-0.010	0.016-0.079													😐						
	VBMT332-FK6	VBMT160408-FK6	0.654	0.031	0.004-0.010	0.020-0.079												☺	😐						
	VBMT333-FK6	VBMT160412-FK6	0.654	0.047	0.005-0.012	0.024-0.079													😐						
	VBMT221-FM6	VBMT110304-FM6	0.436	0.016	0.003-0.008	0.012-0.063									☺	😐	☹						☺	😐	☹
	VBMT222-FM6	VBMT110308-FM6	0.436	0.031	0.005-0.012	0.020-0.063									☺	😐	☹						☺	😐	☹
	VBMT331-FM6	VBMT160404-FM6	0.654	0.016	0.003-0.010	0.012-0.079									☺	😐	☹						☺	😐	☹
	VBMT332-FM6	VBMT160408-FM6	0.654	0.031	0.005-0.012	0.024-0.098									☺	😐							☺	😐	
	VBMT333-FM6	VBMT160412-FM6	0.654	0.047	0.006-0.012	0.039-0.098									☺	😐							☺	😐	
	VBMT221-FP6	VBMT110304-FP6	0.436	0.016	0.002-0.007	0.012-0.079			☺	😐															
	VBMT222-FP6	VBMT110308-FP6	0.436	0.031	0.004-0.008	0.020-0.079			☺	😐															
	VBMT331-FP6	VBMT160404-FP6	0.654	0.016	0.003-0.008	0.012-0.079			☺	😐															
	VBMT3(3)1.5-FP6	VBMT160406-FP6	0.654	0.024	0.004-0.010	0.016-0.079			☺	😐															
	VBMT332-FP6	VBMT160408-FP6	0.654	0.031	0.004-0.010	0.020-0.079			☺	😐															
	VBMT333-FP6	VBMT160412-FP6	0.654	0.047	0.005-0.012	0.024-0.079			☺	😐															
	VBMT331-MK4	VBMT160404-MK4	0.654	0.016	0.003-0.008	0.016-0.079												☺	😐						
	VBMT332-MK4	VBMT160408-MK4	0.654	0.031	0.005-0.012	0.020-0.079												☺	😐						
	VBMT333-MK4	VBMT160412-MK4	0.654	0.047	0.005-0.013	0.020-0.079													😐						
	VBMT221-MM4	VBMT110304-MM4	0.436	0.016	0.003-0.008	0.016-0.059	😐						😐	☺	☺	😐						☺	☺	😐	
	VBMT222-MM4	VBMT110308-MM4	0.436	0.031	0.005-0.010	0.020-0.059									☺	😐							☺	😐	
	VBMT331-MM4	VBMT160404-MM4	0.654	0.016	0.003-0.008	0.016-0.079	😐						😐	☺	☺	😐	☹					☺	☺	😐	☹
	VBMT332-MM4	VBMT160408-MM4	0.654	0.031	0.005-0.012	0.020-0.079	😐						😐	☺	☺	😐	☹					☺	☺	😐	☹
	VBMT333-MM4	VBMT160412-MM4	0.654	0.047	0.005-0.013	0.020-0.079									☺	😐							☺	😐	
	VBMT221-MP4	VBMT110304-MP4	0.436	0.016	0.003-0.008	0.016-0.059			☺	😐															
	VBMT222-MP4	VBMT110308-MP4	0.436	0.031	0.005-0.010	0.020-0.059			☺	😐															
	VBMT331-MP4	VBMT160404-MP4	0.654	0.016	0.003-0.008	0.016-0.079			☺	😐															
	VBMT3(3)1.5-MP4	VBMT160406-MP4	0.654	0.024	0.005-0.010	0.020-0.079			☺	😐															
	VBMT332-MP4	VBMT160408-MP4	0.654	0.031	0.005-0.012	0.020-0.079			☺	😐															
	VBMT333-MP4	VBMT160412-MP4	0.654	0.047	0.005-0.013	0.020-0.079			☺	😐															
	VBMT331-MP6	VBMT160404-MP6	0.654	0.016	0.004-0.010	0.016-0.098			☺	😐															
	VBMT332-MP6	VBMT160408-MP6	0.654	0.031	0.006-0.012	0.024-0.098			☺	😐															
	VCGT2(2)0.2-FM2	VCGT110301-FM2	0.436	0.004	0.001-0.002	0.004-0.059										😐								😐	
	VCGT2(2)0.5-FM2	VCGT110302-FM2	0.436	0.008	0.002-0.005	0.008-0.079								☺		😐						☺		😐	
	VCGT221-FM2	VCGT110304-FM2	0.436	0.016	0.003-0.010	0.008-0.098								☺	☺	😐						☺	☺	😐	
	VCGT3(3)0.5-FM2	VCGT160402-FM2	0.654	0.008	0.002-0.005	0.008-0.079								☺		😐						☺		😐	
	VCGT331-FM2	VCGT160404-FM2	0.654	0.016	0.003-0.010	0.008-0.098								☺	☺	😐						☺	☺	😐	
	VCGT332-FM2	VCGT160408-FM2	0.654	0.031	0.004-0.012	0.012-0.118									☺	😐							☺	😐	
	VCGT2(2)0.2-FN2	VCGT110301-FN2	0.436	0.004	0.001-0.002	0.004-0.059														😐					
	VCGT2(2)0.5-FN2	VCGT110302-FN2	0.436	0.008	0.002-0.005	0.008-0.079														😐	☺				
	VCGT221-FN2	VCGT110304-FN2	0.436	0.016	0.003-0.010	0.008-0.098														😐	☺				
	VCGT3(3)0.5-FN2	VCGT160402-FN2	0.654	0.008	0.002-0.005	0.008-0.079														😐	☺				
	VCGT331-FN2	VCGT160404-FN2	0.654	0.016	0.003-0.010	0.008-0.098														😐	☺				
	VCGT332-FN2	VCGT160408-FN2	0.654	0.031	0.004-0.012	0.012-0.118														😐	☺				

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK10S: VBMT221-FK6 WKK10S

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Positive rhombic 35°
VBMT / VCGT / VCMT / VCMW
Tiger·tec® Gold



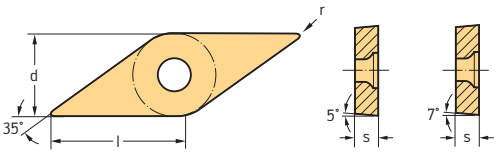
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP01	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	VCGT2(2)0.1M-FP2	VCGT1103005M-FP2	0.436	0.001	0.0004-0.002	0.004-0.039						●												
	VCGT2(2)0.2M-FP2	VCGT110301M-FP2	0.436	0.003	0.001-0.002	0.004-0.059						●												
	VCGT2(2)0.5M-FP2	VCGT110302M-FP2	0.436	0.007	0.002-0.005	0.008-0.079						●												
	VCGT221M-FP2	VCGT110304M-FP2	0.436	0.015	0.003-0.010	0.008-0.098						●												
	VCGT3(3)0.5M-FP2	VCGT160402M-FP2	0.654	0.007	0.002-0.005	0.008-0.079						●												
	VCGT331M-FP2	VCGT160404M-FP2	0.654	0.015	0.003-0.010	0.008-0.098						●												
	VCGT332M-FP2	VCGT160408M-FP2	0.654	0.030	0.004-0.012	0.012-0.118						●												
	VCGT2(2)0.5-MM4	VCGT110302-MM4	0.436	0.008	0.002-0.005	0.008-0.059								●		●						●		●	
	VCGT221-MM4	VCGT110304-MM4	0.436	0.016	0.003-0.008	0.016-0.059								●		●						●		●	
	VCGT3(3)0.5-MM4	VCGT160402-MM4	0.654	0.008	0.002-0.005	0.008-0.079								●		●						●		●	
	VCGT331-MM4	VCGT160404-MM4	0.654	0.016	0.003-0.008	0.016-0.079								●		●						●		●	
	VCGT332-MM4	VCGT160408-MM4	0.654	0.031	0.005-0.012	0.020-0.079								●		●						●		●	
	VCGT2(2)0.2-MN2	VCGT110301-MN2	0.436	0.004	0.001-0.002	0.020-0.059														◐	●				
	VCGT2(2)0.5-MN2	VCGT110302-MN2	0.436	0.008	0.002-0.005	0.020-0.079														◐	●				
	VCGT221-MN2	VCGT110304-MN2	0.436	0.016	0.003-0.010	0.024-0.098														◐	●				
	VCGT222-MN2	VCGT110308-MN2	0.436	0.031	0.004-0.014	0.031-0.118														◐	●				
	VCGT2.5(2)0.2-MN2	VCGT130301-MN2	0.516	0.004	0.001-0.002	0.020-0.059														◐					
	VCGT2(2)0.5-MN2	VCGT130302-MN2	0.516	0.008	0.002-0.005	0.020-0.079														◐	●				
	VCGT221-MN2	VCGT130304-MN2	0.516	0.016	0.003-0.010	0.024-0.118														◐	●				
	VCGT331-MN2	VCGT160404-MN2	0.654	0.016	0.003-0.010	0.024-0.138								●						◐	●	◐			
	VCGT332-MN2	VCGT160408-MN2	0.654	0.031	0.004-0.014	0.031-0.138								●						◐	●	◐			
	VCGT333-MN2	VCGT160412-MN2	0.654	0.047	0.004-0.018	0.039-0.138														◐	●				
	VCMT2(2)0.5-FM4	VCMT110302-FM4	0.436	0.008	0.002-0.005	0.004-0.039	◐						◐	●	●	◐	✕					●	●	◐	✕
	VCMT221-FM4	VCMT110304-FM4	0.436	0.016	0.002-0.006	0.004-0.059	◐						◐	●	●	◐	✕					●	●	◐	✕
	VCMT3(3)0.5-FM4	VCMT160402-FM4	0.654	0.008	0.002-0.005	0.004-0.039	◐						◐		●	◐	✕						●	◐	✕
	VCMT331-FM4	VCMT160404-FM4	0.654	0.016	0.002-0.006	0.004-0.059	◐						◐	●	●	◐	✕					●	●	◐	✕
	VCMT332-FM4	VCMT160408-FM4	0.654	0.031	0.003-0.008	0.004-0.059	◐						◐	●	●	◐	✕					●	●	◐	✕
	VCMT2(2)0.5-FP4	VCMT110302-FP4	0.436	0.008	0.002-0.005	0.004-0.039			●	◐		●													
	VCMT221-FP4	VCMT110304-FP4	0.436	0.016	0.002-0.006	0.004-0.059			●	◐		●													
	VCMT3(3)0.5-FP4	VCMT160402-FP4	0.654	0.008	0.002-0.005	0.004-0.039			●	◐		●													
	VCMT331-FP4	VCMT160404-FP4	0.654	0.016	0.002-0.006	0.004-0.059			●	◐		●													
	VCMT332-FP4	VCMT160408-FP4	0.654	0.031	0.003-0.008	0.004-0.059			●	◐		●													
	VCMT331-MM4	VCMT160404-MM4	0.654	0.016	0.003-0.008	0.016-0.079	◐						◐		●	◐							●	◐	
	VCMT332-MM4	VCMT160408-MM4	0.654	0.031	0.005-0.012	0.020-0.079	◐						◐		●	◐							●	◐	
	VCMT331-MP4	VCMT160404-MP4	0.654	0.016	0.003-0.008	0.016-0.079			●	◐															
	VCMT332-MP4	VCMT160408-MP4	0.654	0.031	0.005-0.012	0.020-0.079			●	◐															
	VCMT331-PF4	VCMT160404-PF4	0.654	0.016	0.002-0.006	0.004-0.059		●																	
	VCMT332-PF4	VCMT160408-PF4	0.654	0.031	0.003-0.008	0.004-0.059		●																	
	VCMT221-RK4	VCMT110304-RK4	0.436	0.016	0.005-0.008	0.016-0.098													◐						
	VCMT222-RK4	VCMT110308-RK4	0.436	0.031	0.006-0.010	0.024-0.118												●	◐						
	VCMT331-RK4	VCMT160404-RK4	0.654	0.016	0.005-0.010	0.016-0.098												●	◐						
	VCMT332-RK4	VCMT160408-RK4	0.654	0.031	0.006-0.012	0.024-0.118												●	◐						
	VCMT333-RK4	VCMT160412-RK4	0.654	0.047	0.008-0.014	0.031-0.118												●	◐						

See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK10S: VBMT221-FK6 WKK10S

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive rhombic 35°
VBMT / VCGT / VCMT / VCMW
Tiger·tec® Gold



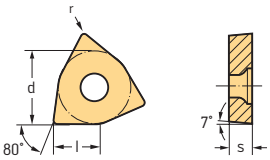
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	P HC WMP20S	P HC WPP01	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	N HC WNN10	N HW WN10	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	VCMT221-RM4	VCMT110304-RM4	0.436	0.016	0.005-0.008	0.016-0.098	●						●		●	●	●						●	●	●
	VCMT222-RM4	VCMT110308-RM4	0.436	0.031	0.006-0.010	0.024-0.118										●	●							●	●
	VCMT331-RM4	VCMT160404-RM4	0.654	0.016	0.005-0.010	0.016-0.098	●						●		●	●	●						●	●	●
	VCMT332-RM4	VCMT160408-RM4	0.654	0.031	0.006-0.012	0.024-0.118	●						●		●	●	●						●	●	●
	VCMT333-RM4	VCMT160412-RM4	0.654	0.047	0.008-0.014	0.031-0.157										●	●							●	●
	VCMT221-RP4	VCMT110304-RP4	0.436	0.016	0.005-0.008	0.016-0.098			●	●	●														
	VCMT222-RP4	VCMT110308-RP4	0.436	0.031	0.006-0.010	0.024-0.118			●	●															
	VCMT331-RP4	VCMT160404-RP4	0.654	0.016	0.005-0.010	0.016-0.098			●	●	●														
	VCMT3(3)1.5-RP4	VCMT160406-RP4	0.654	0.024	0.006-0.010	0.024-0.118			●	●															
	VCMT332-RP4	VCMT160408-RP4	0.654	0.031	0.006-0.012	0.024-0.118			●	●	●														
	VCMT333-RP4	VCMT160412-RP4	0.654	0.047	0.008-0.014	0.031-0.118			●	●	●														
	VCMW331-RK6	VCMW160404-RK6	0.654	0.016	0.005-0.010	0.016-0.098												●	●						
	VCMW332-RK6	VCMW160408-RK6	0.654	0.031	0.006-0.012	0.024-0.118												●	●						
	VCMW333-RK6	VCMW160412-RK6	0.654	0.047	0.008-0.014	0.031-0.118												●							

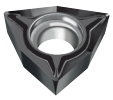
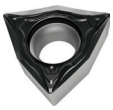
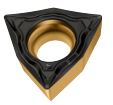
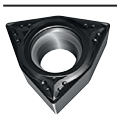
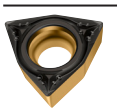
See the ISO 1832 designation key for dimensions
Ordering example for the grade WKK10S: VBMT221-FK6 WKK10S

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Positive Trigon 80°
WCGT / WCMT
Tiger·tec® Gold



Indexable inserts

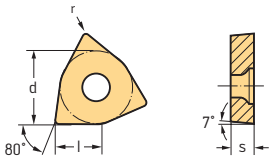
		Designation	l in	r in	f in	a_p in	P HC WPP10G	P HC WPP20G	P HC WPP30G	M HC WSM20S	M HC WSM21	M HC WSM30S	K HC WKK20S	N HC WNN10	S HC WSM20S	S HC WSM21	S HC WSM30S
	WCGT1.8(1.5)0.5-FM2	WCGT030202-FM2	0.154	0.008	0.002-0.005	0.008-0.079					😐					😐	
	WCGT1.8(1.5)1-FM2	WCGT030204-FM2	0.154	0.016	0.003-0.010	0.008-0.098					😐					😐	
	WCGT2(1.5)0.5-FM2	WCGT040202-FM2	0.171	0.008	0.002-0.005	0.008-0.079					😐					😐	
	WCGTT2(1.5)1-FM2	WCGT040204-FM2	0.171	0.016	0.003-0.010	0.008-0.098					😐					😐	
	WCGT1.5(1)0.5-FN2	WCGT020102-FN2	0.106	0.008	0.002-0.005	0.008-0.059								😐			
	WCGT1.5(1)1-FN2	WCGT020104-FN2	0.106	0.016	0.003-0.008	0.008-0.059								😐			
	WCGT1.8(1.5)0.5-FN2	WCGT030202-FN2	0.154	0.008	0.002-0.005	0.008-0.079								😐			
	WCGT1.8(1.5)1-FN2	WCGT030204-FN2	0.154	0.016	0.003-0.010	0.008-0.098								😐			
	WCGT2(1.5)0.5-FN2	WCGT040202-FN2	0.171	0.008	0.002-0.005	0.008-0.079								😐			
	WCGTT2(1.5)1-FN2	WCGT040204-FN2	0.171	0.016	0.003-0.010	0.008-0.098								😐			
	WCGT3(2.5)1-FN2	WCGT06T304-FN2	0.257	0.016	0.003-0.010	0.008-0.098								😐			
	WCGT3(2.5)2-FN2	WCGT06T308-FN2	0.257	0.031	0.004-0.012	0.012-0.118								😐			
	WCGT1.8(1.5)0.5-MN2	WCGT030202-MN2	0.154	0.008	0.002-0.005	0.020-0.059								😐			
	WCGT1.8(1.5)1-MN2	WCGT030204-MN2	0.154	0.016	0.003-0.008	0.024-0.059								😐			
	WCGT2(1.5)1-MN2	WCGT040204-MN2	0.171	0.016	0.003-0.010	0.024-0.098								😐			
	WCGT3(2.5)0.5-MN2	WCGT06T302-MN2	0.257	0.008	0.002-0.005	0.024-0.079								😐			
	WCGT3(2.5)1-MN2	WCGT06T304-MN2	0.257	0.016	0.003-0.010	0.024-0.118								😐			
	WCGT431-MN2	WCGT080404-MN2	0.342	0.016	0.003-0.010	0.024-0.157								😐			
	WCGT432-MN2	WCGT080408-MN2	0.342	0.031	0.004-0.014	0.031-0.157								😐			
	WCMT2(1.5)0.5-FM4	WCMT040202-FM4	0.171	0.008	0.002-0.005	0.004-0.039				😐		😣			😐		😣
	WCMT2(1.5)1-FM4	WCMT040204-FM4	0.171	0.016	0.002-0.006	0.004-0.059				😐		😣			😐		😣
	WCMT3(2.5)1-FM4	WCMT06T304-FM4	0.257	0.016	0.002-0.006	0.004-0.059				😐		😣			😐		😣
	WCMT3(2.5)2-FM4	WCMT06T308-FM4	0.257	0.031	0.003-0.008	0.004-0.059				😐					😐		
	WCMT2(1.5)0.5-FP4	WCMT040202-FP4	0.171	0.008	0.002-0.005	0.004-0.039	😊	😐									
	WCMT2(1.5)1-FP4	WCMT040204-FP4	0.171	0.016	0.002-0.006	0.004-0.059	😊	😐									
	WCMT2(1.5)2-FP4	WCMT040208-FP4	0.171	0.031	0.003-0.008	0.004-0.059		😐									
	WCMT3(2.5)0.5-FP4	WCMT06T302-FP4	0.257	0.008	0.002-0.005	0.004-0.039		😐									
	WCMT3(2.5)1-FP4	WCMT06T304-FP4	0.257	0.016	0.002-0.006	0.004-0.059		😐									
	WCMT3(2.5)2-FP4	WCMT06T308-FP4	0.257	0.031	0.003-0.008	0.004-0.059		😐									
	WCMT431-FP4	WCMT080404-FP4	0.342	0.016	0.002-0.006	0.004-0.059		😐									
	WCMT432-FP4	WCMT080408-FP4	0.342	0.031	0.003-0.008	0.004-0.059		😐									
	WCMT2(1.5)1-FP6	WCMT040204-FP6	0.171	0.016	0.002-0.007	0.012-0.079		😐									
	WCMT232-FP6	WCMT040208-FP6	0.171	0.031	0.004-0.008	0.020-0.079		😐									
	WCMT3(2.5)1-MM4	WCMT06T304-MM4	0.257	0.016	0.003-0.010	0.016-0.098				😐					😐		
	WCMT3(2.5)2-MM4	WCMT06T308-MM4	0.257	0.031	0.005-0.013	0.020-0.098				😐					😐		
	WCMT3(2.5)1-MP4	WCMT06T304-MP4	0.257	0.016	0.003-0.010	0.016-0.098		😐									
	WCMT3(2.5)2-MP4	WCMT06T308-MP4	0.257	0.031	0.005-0.013	0.020-0.098		😐									

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM21: WCGT1.8(1.5)0.5-FM2 WSM21

HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = 😣 machining conditions

Positive Trigon 80°
WCGT / WCMT
Tiger·tec® Gold



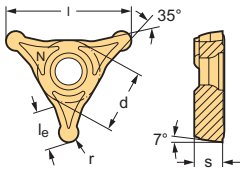
Indexable inserts

		Designation	l in	r in	f in	a_p in	P HC WPP10G	P HC WPP20G	P HC WPP30G	M HC WSM20S	M HC WSM21	M HC WSM30S	K HC WKK20S	N HC WNN10	S HC WSM20S	S HC WSM21	S HC WSM30S
	WCMT2(1.5)1-RK4	WCMT040204-RK4	0.171	0.016	0.005-0.010	0.016-0.098							●				
	WCMT3(2.5)1-RK4	WCMT06T304-RK4	0.257	0.016	0.005-0.010	0.016-0.118							●				
	WCMT3(2.5)2-RK4	WCMT06T308-RK4	0.257	0.031	0.006-0.014	0.024-0.118							●				
	WCMT431-RK4	WCMT080404-RK4	0.342	0.016	0.005-0.010	0.016-0.118							●				
	WCMT432-RK4	WCMT080408-RK4	0.342	0.031	0.006-0.016	0.024-0.157							●				
	WCMT433-RK4	WCMT080412-RK4	0.342	0.047	0.008-0.018	0.031-0.157							●				
	WCMT1.8(1.5)0.5-RM4	WCMT030202-RM4	0.154	0.008	0.003-0.005	0.008-0.059				●					●		
	WCMT2(1.5)0.5-RM4	WCMT040202-RM4	0.171	0.008	0.003-0.005	0.016-0.079				●		○			●		○
	WCMT2(1.5)1-RM4	WCMT040204-RM4	0.171	0.016	0.005-0.010	0.016-0.098				●		○			●		○
	WCMT3(2.5)1-RM4	WCMT06T304-RM4	0.257	0.016	0.005-0.010	0.016-0.118				●		○			●		○
	WCMT3(2.5)2-RM4	WCMT06T308-RM4	0.257	0.031	0.006-0.014	0.024-0.118				●		○			●		○
	WCMT432-RM4	WCMT080408-RM4	0.342	0.031	0.006-0.016	0.024-0.157				●		○			●		○
	WCMT433-RM4	WCMT080412-RM4	0.342	0.047	0.008-0.018	0.031-0.157				●					●		
	WCMT1.8(1.5)0.5-RP4	WCMT030202-RP4	0.154	0.008	0.003-0.005	0.008-0.059		●									
	WCMT2(1.5)1-RP4	WCMT040204-RP4	0.171	0.016	0.005-0.010	0.016-0.098		●									
	WCMT3(2.5)1-RP4	WCMT06T304-RP4	0.257	0.016	0.005-0.010	0.016-0.118		●									
	WCMT3(2.5)2-RP4	WCMT06T308-RP4	0.257	0.031	0.006-0.014	0.024-0.118		●	○								
	WCMT431-RP4	WCMT080404-RP4	0.342	0.016	0.005-0.010	0.016-0.118		●									
	WCMT432-RP4	WCMT080408-RP4	0.342	0.031	0.006-0.016	0.024-0.157		●	○								
	WCMT433-RP4	WCMT080412-RP4	0.342	0.047	0.008-0.018	0.031-0.157		●									

See the ISO 1832 designation key for dimensions
Ordering example for the grade WSM21: WCGT1.8(1.5)0.5-FM2 WSM21

HC = Coated carbide

Indexable inserts copy turning system
WL...-RC...
Tiger·tec® Gold



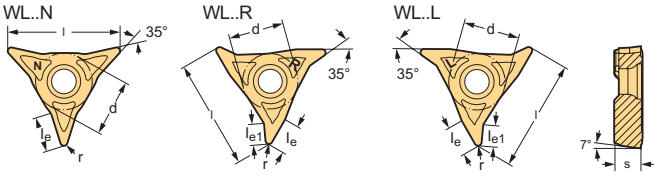
Indexable inserts

	ANSI Designation	Designation	r in	l in	l_e in	f in	a_p in	P HC WPP20G	M HC WSM20S	M HC WSM30S	S HC WSM20S	S HC WSM30S
		WL25-RC0420N-MU6	0.079	0.984	0.283	0.005-0.016	0.02-0.079	☺	☺	😐	☺	😐
		WL25-RC0525N-MU6	0.098	0.984	0.272	0.005-0.018	0.02-0.098	☺	☺	😐	☺	😐

Ordering example for the grade WPP20G: WL25-RC0420N-MU6 WPP20G

HC = Coated carbide

Indexable inserts copy turning system
WL...-VC...
Tiger·tec® Gold



Indexable inserts

	ANSI Designation	Designation	r in	l in	l_e in	l_{e1} in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	M HC WMP20S	M HC WSM10S	M HC WSM20S	S HC WSM10S	S HC WSM20S
		WL25-VC0704L-FM4	0.016	0.984	0.244	0.154	0.002-0.008	0.004-0.079					☺	😐	☺	😐
		WL25-VC0708L-FM4	0.031	0.984	0.260	0.181	0.003-0.010	0.008-0.079					☺	😐	☺	😐
		WL25-VC0704L-FP4	0.016	0.984	0.244	0.154	0.002-0.008	0.004-0.079		☺	😐					
		WL25-VC0708L-FP4	0.031	0.984	0.260	0.181	0.003-0.010	0.008-0.079		☺	😐					
		WL25-VC0704L-MM4	0.016	0.984	0.244	0.154	0.003-0.010	0.016-0.098	😐			😐		😐		😐
		WL25-VC0708L-MM4	0.031	0.984	0.260	0.181	0.005-0.013	0.020-0.098	😐			😐		😐		😐
		WL25-VC0704L-MP4	0.016	0.984	0.244	0.154	0.003-0.010	0.016-0.098		☺	😐					
		WL25-VC0708L-MP4	0.031	0.984	0.260	0.181	0.005-0.013	0.020-0.098		☺	😐					
		WL25-VC0702N-FM4	0.008	0.984	0.236		0.002-0.006	0.004-0.079					☺	😐	☺	😐
		WL25-VC0704N-FM4	0.016	0.984	0.248		0.002-0.008	0.004-0.079					☺	😐	☺	😐
		WL25-VC0708N-FM4	0.031	0.984	0.280		0.003-0.010	0.008-0.079					☺	😐	☺	😐
		WL25-VC0704N-FP4	0.016	0.984	0.248		0.002-0.008	0.004-0.079		☺	😐					
		WL25-VC0708N-FP4	0.031	0.984	0.280		0.003-0.010	0.008-0.079		☺	😐					

Ordering example for the grade WSM10S: WL25-VC0704L-FM4 WSM10S

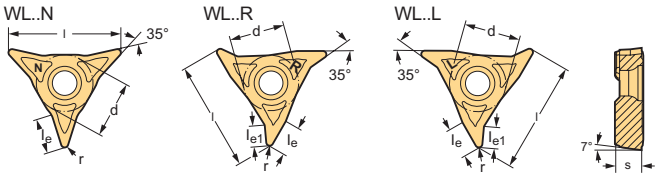
HC = Coated carbide

WALTER SELECT Optimum indexable insert for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

Indexable inserts copy turning system

WL...-VC...

Tiger·tec® Gold



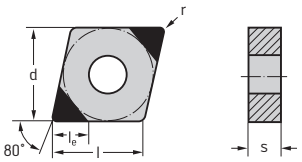
Indexable inserts

	ANSI Designation	Designation	r in	l in	l_e in	l_{e1} in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP20G	M HC WMP20S	M HC WSM10S	M HC WSM20S	S HC WSM10S	S HC WSM20S
		WL25-VC0704N-MM4	0.016	0.984	0.248		0.003-0.010	0.016-0.098	●			●	●	●	●	●
		WL25-VC0708N-MM4	0.031	0.984	0.28		0.005-0.013	0.020-0.098	●			●	●	●	●	●
		WL25-VC0712N-MM4	0.047	0.984	0.291		0.005-0.014	0.020-0.098					●	●	●	●
		WL25-VC0716N-MM4	0.063	0.984	0.343		0.005-0.016	0.020-0.098					●	●	●	●
		WL25-VC0704N-MP4	0.016	0.984	0.248		0.003-0.010	0.016-0.098		●	●					
		WL25-VC0708N-MP4	0.031	0.984	0.28		0.005-0.013	0.020-0.098		●	●					
		WL25-VC0712N-MP4	0.047	0.984	0.291		0.005-0.014	0.020-0.098		●	●					
		WL25-VC0716N-MP4	0.063	0.984	0.343		0.005-0.016	0.020-0.098		●	●					
		WL25-VC0704R-FM4	0.016	0.984	0.244	0.154	0.002-0.008	0.004-0.079					●	●	●	●
		WL25-VC0708R-FM4	0.031	0.984	0.260	0.181	0.003-0.010	0.008-0.079					●	●	●	●
		WL25-VC0704R-FP4	0.016	0.984	0.244	0.154	0.002-0.008	0.004-0.079		●	●					
		WL25-VC0708R-FP4	0.031	0.984	0.260	0.181	0.003-0.010	0.008-0.079		●	●					
		WL25-VC0704R-MM4	0.016	0.984	0.244	0.154	0.003-0.010	0.016-0.098	●			●		●		●
		WL25-VC0708R-MM4	0.031	0.984	0.260	0.181	0.005-0.013	0.020-0.098	●			●		●		●
		WL25-VC0704R-MP4	0.016	0.984	0.244	0.154	0.003-0.010	0.016-0.098		●	●					
		WL25-VC0708R-MP4	0.031	0.984	0.260	0.181	0.005-0.013	0.020-0.098		●	●					

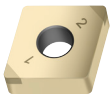
Ordering example for the grade WSM10S: WL25-VC0704L-FM4 WSM10S

HC = Coated carbide

CBN – Negative rhombic 80°
CNGA



Indexable inserts

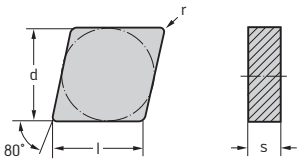
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	f in	a_p in	K BH WBK20	S BH WBS10	H BC WBH10C	H BC WBH20C	H BH WBH30	H BL WBH10	H BL WBH20
	CNGA431EM-2	CNGA120404EM-2	2	0.110	0.508	0.016	0.002-0.008	0.004-0.020		😊					
	CNGA432EM-2	CNGA120408EM-2	2	0.106	0.508	0.031	0.002-0.010	0.004-0.039		😊					
	CNGA431TM-2	CNGA120404TM-2	2	0.110	0.508	0.016	0.002-0.008	0.004-0.039			😊	😐	😵	😊	😐
	CNGA432TM-2	CNGA120408TM-2	2	0.106	0.508	0.031	0.002-0.010	0.004-0.039			😊	😐	😵	😊	😐
	CNGA433TM-2	CNGA120412TM-2	2	0.110	0.508	0.047	0.002-0.012	0.004-0.039			😊	😐	😵	😊	😐
	CNGA432TM-4	CNGA120408TM-4	4	0.106	0.508	0.031	0.002-0.010	0.004-0.039				😐			
 Chipbreaker	CNGA431TM-M2	CNGA120404TM-M2	2	0.110	0.508	0.016	0.002-0.008	0.004-0.020						😊	
	CNGA432TM-M2	CNGA120408TM-M2	2	0.106	0.508	0.031	0.002-0.010	0.004-0.039				😐		😊	
	CNGA433TM-M2	CNGA120412TM-M2	2	0.110	0.508	0.047	0.002-0.012	0.004-0.039						😊	
 Wiper	CNGA431TM-MW2	CNGA120404TM-MW2	2	0.110	0.508	0.016	0.002-0.014	0.004-0.039			😊				
	CNGA432TM-MW2	CNGA120408TM-MW2	2	0.106	0.508	0.031	0.002-0.020	0.004-0.039			😊	😐	😵	😊	
	CNGA433TM-MW2	CNGA120412TM-MW2	2	0.110	0.508	0.047	0.002-0.020	0.004-0.039			😊		😵	😊	
	CNGA431TS-2	CNGA120404TS-2	2	0.110	0.508	0.016	0.002-0.008	0.004-0.079	😐						
	CNGA432TS-2	CNGA120408TS-2	2	0.106	0.508	0.031	0.002-0.010	0.004-0.079	😐						
	CNGA433TS-2	CNGA120412TS-2	2	0.110	0.508	0.047	0.002-0.012	0.004-0.079	😐						

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBS10: CNGA431EM-2 WBS10

BH = CBN with high CBN content
BC = CBN Coated
BL = CBN with low CBN content

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = 😵 machining conditions

CBN – Negative rhombic 80°
CNGN



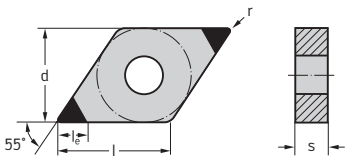
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l in	r in	f in	a_p in	K BH WBK30
	CNGN432-S	CNGN120408TM-S	4	0.508	0.031	0.002-0.020	0.004-0.197	☹
	CNGN433-S	CNGN120412TM-S	4	0.508	0.047	0.002-0.020	0.004-0.197	☹
	CNGN434-S	CNGN120416TM-S	4	0.508	0.063	0.002-0.020	0.004-0.197	☹

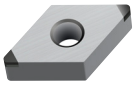
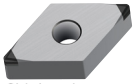
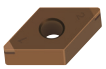
See the ISO 1832 designation key for dimensions
Ordering example for the grade WBK30: CNGN432TM-S WBK30

BH = CBN with high CBN content

CBN – Negative rhombic 55°
DNGA



Indexable inserts

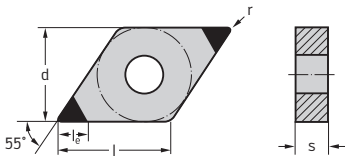
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	f in	a_p in	K BH WBK20	S BH WBS10	H BC WBH10C	H BC WBH20C	H BH WBH30	H BL WBH10	H BL WBH20
	DNGA431EM-2	DNGA150404EM-2	2	0.114	0.61	0.016	0.002-0.008	0.004-0.020		☺					
	DNGA432EM-2	DNGA150408EM-2	2	0.110	0.61	0.031	0.002-0.010	0.004-0.039		☺					
	DNGA431TM-2	DNGA150404TM-2	2	0.114	0.61	0.016	0.002-0.008	0.004-0.020			☺			☺	😐
	DNGA432TM-2	DNGA150408TM-2	2	0.110	0.61	0.031	0.002-0.010	0.004-0.039			☺			☺	😐
	DNGA441TM-2	DNGA150604TM-2	2	0.114	0.61	0.016	0.002-0.008	0.004-0.020			☺	😐	☹	☺	😐
	DNGA442TM-2	DNGA150608TM-2	2	0.110	0.61	0.031	0.002-0.010	0.004-0.039			☺	😐	☹	☺	😐
	DNGA443TM-2	DNGA150612TM-2	2	0.110	0.61	0.047	0.002-0.012	0.004-0.039			☺		☹	☺	😐
	DNGA442TM-4	DNGA150608TM-4	4	0.110	0.61	0.031	0.002-0.010	0.004-0.039				😐			
 Chipbreaker	DNGA431TM-M2	DNGA150404TM-M2	2	0.114	0.61	0.016	0.002-0.008	0.004-0.020						☺	
	DNGA432TM-M2	DNGA150408TM-M2	2	0.110	0.61	0.031	0.002-0.010	0.004-0.039						☺	
	DNGA441TM-M2	DNGA150604TM-M2	2	0.114	0.61	0.016	0.002-0.008	0.004-0.020						☺	
	DNGA442TM-M2	DNGA150608TM-M2	2	0.110	0.61	0.031	0.002-0.010	0.004-0.039						☺	
	DNGA443TM-M2	DNGA150612TM-M2	2	0.110	0.61	0.047	0.002-0.012	0.004-0.039						☺	
	DNGA431TM-MW2	DNGA150404TM-MW2	2	0.114	0.61	0.016	0.002-0.008	0.004-0.020			☺				
	DNGA432TM-MW2	DNGA150408TM-MW2	2	0.110	0.61	0.031	0.002-0.010	0.004-0.039			☺				
	DNGA441TM-MW2	DNGA150604TM-MW2	2	0.114	0.61	0.016	0.002-0.008	0.004-0.020			☺				
	DNGA443TM-MW2	DNGA150612TM-MW2	2	0.110	0.61	0.047	0.002-0.012	0.004-0.039			☺				

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBS10: DNGA431EM-2 WBS10

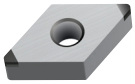
BH = CBN with high CBN content
BC = CBN Coated
BL = CBN with low CBN content

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

CBN – Negative rhombic 55°
DNGA



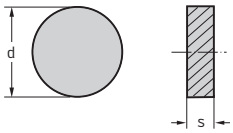
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	f in	a_p in	K BH WBK20	S BH WBS10	H BC WBH10C	H BC WBH20C	H BH WBH30	H BL WBH10	H BL WBH20
	DNGA441TS-2	DNGA150604TS-2	2	0.114	0.61	0.016	0.002-0.008	0.004-0.079	☺						
	DNGA442TS-2	DNGA150608TS-2	2	0.110	0.61	0.031	0.002-0.010	0.004-0.079	☺						
	DNGA443TS-2	DNGA150612TS-2	2	0.110	0.61	0.047	0.002-0.012	0.004-0.079	☺						

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBS10: DNGA431EM-2 WBS10

BH = CBN with high CBN content
BC = CBN Coated
BL = CBN with low CBN content

CBN – Negative round
RNGN



Indexable inserts

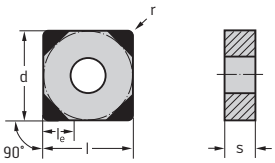
	ANSI Designation	Designation	d in	f in	a_p in	K BH WBK20	K BH WBK30
	RNGN43TM-S	RNGN120400TM-S	0.500	0.002-0.016	0.004-0.197		☹
	RNGN43TS-0	RNGN120400TS-0	0.500	0.002-0.016	0.004-0.197	☺	

Ordering example for the grade WBK30: RNGN43TM-S WBK30

BH = CBN with high CBN content

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

CBN – Negative square
SNGA



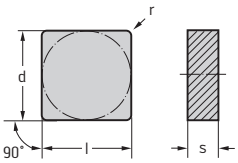
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	r in	f in	a_p in	K BH WBK20	H BH WBH30	H BL WBH20
	SNGA432TM-4	SNGA120408TM-4	4	0.110	0.031	0.002-0.012	0.004-0.039		😠	😐
	SNGA433TM-4	SNGA120412TM-4	4	0.110	0.047	0.002-0.012	0.004-0.039		😠	😐
	SNGA432TS-4	SNGA120408TS-4	4	0.110	0.031	0.002-0.012	0.004-0.079	😐		
	SNGA433TS-4	SNGA120412TS-4	4	0.110	0.047	0.002-0.012	0.004-0.079	😐		

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBH20: SNGA432TM-4 WBH20

BH = CBN with high CBN content
BL = CBN with low CBN content

CBN – Negative square
SNGN



Indexable inserts

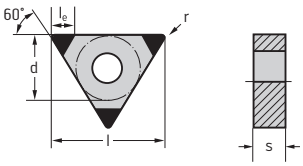
	ANSI Designation	Designation	Number of cutting edges	r in	f in	a_p in	K BH WBK30
	SNGN432TM-S	SNGN120408TM-S	8	0.031	0.002-0.020	0.004-0.197	😠
	SNGN433TM-S	SNGN120412TM-S	8	0.047	0.002-0.020	0.004-0.197	😠
	SNGN434TM-S	SNGN120416TM-S	8	0.063	0.002-0.020	0.004-0.197	😠

Ordering example for the grade WBK30: SNGN432TM-S WBK30

BH = CBN with high CBN content

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = 😠 machining conditions

CBN – Negative triangular 60°
TNGA



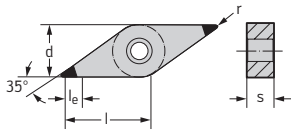
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	r in	f in	a_p in	K BH WBK20	H BC WBH10C	H BH WBH30	H BL WBH10	H BL WBH20
	TNGA331TM-3	TNGA160404TM-3	3	0.118	0.016	0.05–0.20	0.1–0.5		☺		☺	😐
	TNGA332TM-3	TNGA160408TM-3	3	0.110	0.031	0.05–0.25	0.1–1.0		☺	☹	☺	😐
	TNGA331TS-3	TNGA160404TS-3	3	0.118	0.016	0.05–0.20	0.1–2.0	😐				
	TNGA332TS-3	TNGA160408TS-3	3	0.110	0.031	0.05–0.25	0.1–2.0	😐				

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBH10: TNGA331TM-3 WBH10

BH = CBN with high CBN content
BC = CBN Coated
BL = CBN with low CBN content

CBN – Negative rhombic 35°
VNGA



Indexable inserts

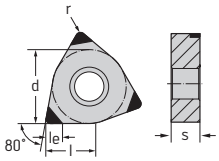
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	f in	a_p in	K BH WBK20	H BC WBH10C	H BH WBH30	H BL WBH10	H BL WBH20
	VNGA331TM-2	VNGA160404TM-2	2	3	0.654	0.016	0.002-0.008	0.004-0.020		☺	☹	☺	😐
	VNGA332TM-2	VNGA160408TM-2	2	3	0.654	0.031	0.002-0.008	0.004-0.020		☺		☺	😐
	VNGA331TS-2	VNGA160404TS-2	2	3	0.654	0.016	0.002-0.008	0.004-0.079	😐				
	VNGA332TS-2	VNGA160408TS-2	2	3	0.654	0.031	0.002-0.008	0.004-0.079	😐				

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBH10: VNGA331TM-2 WBH10

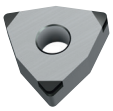
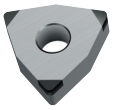
BH = CBN with high CBN content
BC = CBN Coated
BL = CBN with low CBN content

WALTER SELECT Optimum indexable insert for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

CBN – Negative Trigon 80°
WNGA



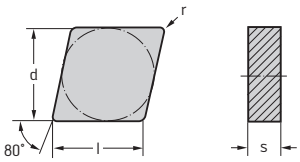
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	f in	a_p in	K BH WBK20	H BH WBH30	H BL WBH10	H BL WBH20
	WNGA432TM-3	WNGA080408TM-3	3	0.110	0.342	0.031	0.002-0.010	0.004-0.039		☹	☺	😐
	WNGA432TS-3	WNGA080408TS-3	3	0.110	0.342	0.031	0.002-0.010	0.004-0.079	😐			

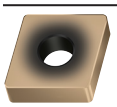
See the ISO 1832 designation key for dimensions
Ordering example for the grade WBH10: WNGA432TM-3 WBH10

BH = CBN with high CBN content
BL = CBN with low CBN content

Ceramic – Negative rhombic 80°
CNGA / CNGN



Indexable inserts

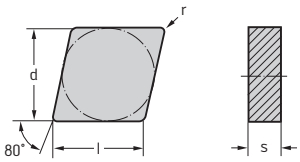
	ANSI Designation	Designation	l in	r in	f in	a_p in	K CN WCK10	S CN WS10	S CR WWS20	H CC WCH10C
	CNGA432T02020	CNGA120408T02020	0.508	0.031	0.004-0.016	0.004-0.236	☺			
	CNGA433T02020	CNGA120412T02020	0.508	0.047	0.004-0.024	0.004-0.236	☺			
	CNGA434T02020	CNGA120416T02020	0.508	0.063	0.004-0.024	0.004-0.236	☺			
 Wiper	CNGA431SM-MWS	CNGA120404SM-MWS	0.508	0.016	0.002-0.010	0.004-0.020				☺
	CNGA432SM-MWS	CNGA120408SM-MWS	0.508	0.031	0.002-0.012	0.004-0.039				☺
	CNGA433SM-MWS	CNGA120412SM-MWS	0.508	0.047	0.002-0.014	0.004-0.039				☺
	CNGA431SM-S	CNGA120404SM-S	0.508	0.016	0.002-0.008	0.004-0.020				☺
	CNGA432SM-S	CNGA120408SM-S	0.508	0.031	0.002-0.010	0.004-0.039				☺
	CNGA433SM-S	CNGA120412SM-S	0.508	0.047	0.002-0.012	0.004-0.039				☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WCK10: CNGA432T02020 WCK10

CN = Silicon nitride Si3N4
CR = Reinforced ceramic
CC = Coated ceramic

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Ceramic – Negative rhombic 80°
CNGA / CNGN



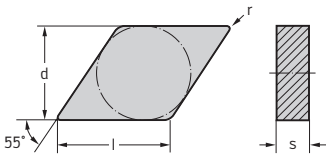
Indexable inserts

	ANSI Designation	Designation	l in	r in	f in	a_p in	K CN WCK10	S CN WIS10	S CR WWS20	H CC WCH10C
	CNGN432T01020	CNGN120408T01020	0.508	0.031	0.004-0.009	0.004-0.142			☹	
	CNGN433T01020	CNGN120412T01020	0.508	0.047	0.004-0.013	0.004-0.142			☹	
	CNGN452T01020	CNGN120708T01020	0.508	0.031	0.004-0.009	0.004-0.142		☺	☹	
	CNGN453T01020	CNGN120712T01020	0.508	0.047	0.004-0.013	0.004-0.142		☺	☹	
	CNGN454T01020	CNGN120716T01020	0.508	0.063	0.004-0.017	0.004-0.142		☺	☹	
	CNGN453T02020	CNGN120712T02020	0.508	0.047	0.004-0.024	0.004-0.236	☺			

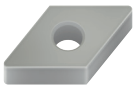
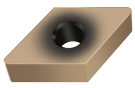
See the ISO 1832 designation key for dimensions
Ordering example for the grade WCK10: CNGA432T02020 WCK10

CN = Silicon nitride Si3N4
CR = Reinforced ceramic
CC = Coated ceramic

Ceramic – Negative rhombic 55°
DNGA



Indexable inserts

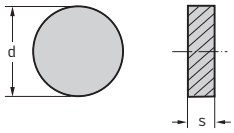
	ANSI Designation	Designation	l in	r in	f in	a_p in	K CN WCK10	H CC WCH10C
	DNGA442T02020	DNGA150608T02020	0.610	0.031	0.004-0.016	0.004-0.197	☺	
	DNGA443T02020	DNGA150612T02020	0.610	0.047	0.004-0.024	0.004-0.197	☺	
	DNGA431SM-S	DNGA150404SM-S	0.610	0.016	0.002-0.008	0.004-0.020		☺
	DNGA432SM-S	DNGA150408SM-S	0.610	0.031	0.002-0.010	0.004-0.039		☺
	DNGA433SM-S	DNGA150412SM-S	0.610	0.047	0.002-0.012	0.004-0.039		☺
	DNGA441SM-S	DNGA150604SM-S	0.610	0.016	0.002-0.008	0.004-0.020		☺
	DNGA442SM-S	DNGA150608SM-S	0.610	0.031	0.002-0.010	0.004-0.039		☺
	DNGA443SM-S	DNGA150612SM-S	0.610	0.047	0.002-0.012	0.004-0.039		☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WCK10: DNGA442T02020 WCK10

CN = Silicon nitride Si3N4
CC = Coated ceramic

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Ceramic – Negative round
RNGN



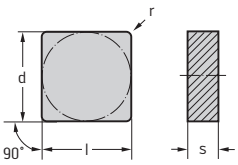
Indexable inserts

	ANSI Designation	Designation	d in	f in	a_p in	S CN WIS10	S CR WWS20
	RNGN45E	RNGN120700E	0.500	0.004-0.013	0.004-0.142	😊	😐
	RNGN45T01020	RNGN120700T01020	0.500	0.008-0.013	0.008-0.142	😊	😐
	RNGN55T01020	RNGN150700T01020	0.625	0.004-0.016	0.008-0.177		😐

See the ISO 1832 designation key for dimensions
Ordering example for the grade WIS10: RNGN45E WIS10

CN = Silicon nitride Si3N4
CR = Reinforced ceramic

Ceramic – Negative square
SNGA / SNGN



Indexable inserts

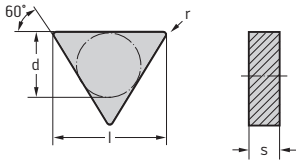
	ANSI Designation	Designation	r in	f in	a_p in	K CN WCK10	S CN WIS10	S CR WWS20	H CC WCH10C
	SNGA432T02020	SNGA120408T02020	0.031	0.004-0.016	0.004-0.197	😊			
	SNGA433T02020	SNGA120412T02020	0.047	0.004-0.024	0.004-0.197	😊			
	SNGA120416T02020	SNGA120416T02020	0.063	0.004-0.031	0.004-0.197	😊			
	SNGA432SM-S	SNGA120408SM-S	0.031	0.002-0.012	0.004-0.039				😊
	SNGA433SM-S	SNGA120412SM-S	0.047	0.002-0.012	0.004-0.039				😊
	SNGN452T01020	SNGN120708T01020	0.031	0.004-0.009	0.004-0.142			😐	
	SNGN453T01020	SNGN120712T01020	0.047	0.004-0.013	0.004-0.142		😊	😐	
	SNGN433T02020	SNGN120412T02020	0.047	0.004-0.024	0.004-0.197	😊			
	SNGN434T02020	SNGN120416T02020	0.063	0.004-0.024	0.004-0.197	😊			
	SNGN453T02020	SNGN120712T02020	0.047	0.004-0.024	0.004-0.197	😊			

See the ISO 1832 designation key for dimensions
Ordering example for the grade WCK10: SNGA432T02020 WCK10

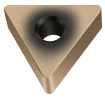
CN = Silicon nitride Si3N4
CR = Reinforced ceramic
CC = Coated ceramic

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Ceramic – Negative triangular 60°
TNGA



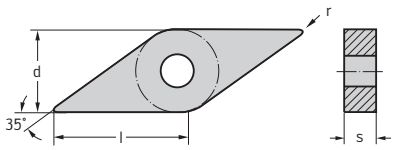
Indexable inserts

	ANSI Designation	Designation	r in	f in	a_p in	K CN WCK10	H CC WCH10C
	TNGA332T02020	TNGA160408T02020	0.031	0.004-0.016	0.004-0.197	☺	
	TNGA333T02020	TNGA160412T02020	0.047	0.004-0.024	0.004-0.197	☺	
	TNGA331SM-S	TNGA160404SM-S	0.016	0.002-0.008	0.004-0.020		☺
	TNGA332SM-S	TNGA160408SM-S	0.031	0.002-0.010	0.004-0.039		☺
	TNGA333SM-S	TNGA160412SM-S	0.047	0.002-0.012	0.004-0.039		☺

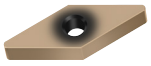
See the ISO 1832 designation key for dimensions
Ordering example for the grade WCK10: TNGA332T02020 WCK10

CN = Silicon nitride Si3N4
CC = Coated ceramic

Ceramic – Negative rhombic 35°
VNGA



Indexable inserts

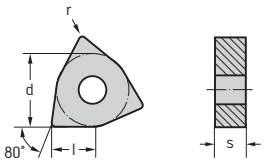
	ANSI Designation	Designation	l in	r in	f in	a_p in	H CC WCH10C
	VNGA331SM-S	VNGA160404SM-S	0.654	0.016	0.002-0.008	0.004-0.020	☺
	VNGA332SM-S	VNGA160408SM-S	0.654	0.031	0.002-0.009	0.004-0.020	☺
	VNGA333SM-S	VNGA160412SM-S	0.654	0.047	0.002-0.010	0.004-0.028	☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WCH10C: VNGA331SM-S WCH10C

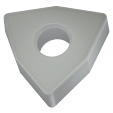
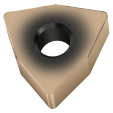
CC = Coated ceramic

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Ceramic – Negative Trigon 80°
WNGA



Indexable inserts

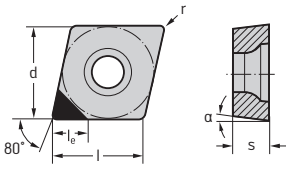
	ANSI Designation	Designation	l in	r in	f in	a_p in	K CN WCK10	H CC WCH10C
	WNGA432T02020	WNGA080408T02020	0.342	0.031	0.004-0.016	0.004-0.197	☺	
	WNGA433T02020	WNGA080412T02020	0.342	0.047	0.004-0.024	0.004-0.197	☺	
 Wiper	WNGA431SM-MWS	WNGA080404SM-MWS	0.342	0.016	0.002-0.010	0.004-0.020		☺
	WNGA432SM-MWS	WNGA080408SM-MWS	0.342	0.031	0.002-0.012	0.004-0.039		☺
	WNGA431SM-S	WNGA080404SM-S	0.342	0.016	0.002-0.008	0.004-0.020		☺
	WNGA432SM-S	WNGA080408SM-S	0.342	0.031	0.002-0.010	0.004-0.039		☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WCK10: WNGA432T02020 WCK10

CN = Silicon nitride Si3N4
CC = Coated ceramic

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

CBN – Positive rhombic 80°
CPGW



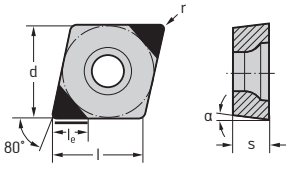
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l in	r in	H BH WCB50
	CPGW73.5	CPGW050202	1	0.222	0.008	😀
	CPGW731	CPGW050204	1	0.222	0.016	😀

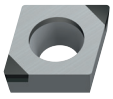
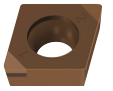
See the ISO 1832 designation key for dimensions
Ordering example for the grade WCB50: CPGW73.5 WCB50

BH = CBN with high CBN content

CBN – Positive rhombic 80°
CCGW



Indexable inserts

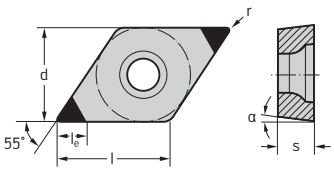
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α	f in	a_p in	K BH WBK20	S BH WBS10	H BC WBH10C	H BC WBH20C	H BH WBH30	H BL WBH10	H BL WBH20
	CCGW2(1.5)0.5EM-2	CCGW060202EM-2	2	0.110	0.254	0.008	7°	0.002-0.006	0.004-0.012		😀					
	CCGW2(1.5)1EM-2	CCGW060204EM-2	2	0.110	0.254	0.016	7°	0.002-0.008	0.004-0.012		😀					
	CCGW3(2.5)1EM-2	CCGW09T304EM-2	2	0.110	0.381	0.016	7°	0.002-0.008	0.004-0.020		😀					
	CCGW3(2.5)2EM-2	CCGW09T308EM-2	2	0.106	0.381	0.031	7°	0.002-0.010	0.004-0.020		😀					
	CCGW2(1.5)0.5TM-2	CCGW060202TM-2	2	0.110	0.254	0.008	7°	0.002-0.006	0.004-0.012				😐			
	CCGW2(1.5)1TM-2	CCGW060204TM-2	2	0.110	0.254	0.016	7°	0.002-0.008	0.004-0.012			😀	😐	😣	😀	😐
	CCGW2(1.5)2TM-2	CCGW060208TM-2	2	0.106	0.254	0.031	7°	0.002-0.010	0.004-0.020			😀	😐	😣		😐
	CCGW3(2.5)1TM-2	CCGW09T304TM-2	2	0.110	0.381	0.016	7°	0.002-0.008	0.004-0.020			😀	😐	😣	😀	😐
	CCGW3(2.5)2TM-2	CCGW09T308TM-2	2	0.106	0.381	0.031	7°	0.002-0.010	0.004-0.020			😀	😐	😣	😀	😐
 Wiper	CCGW3(2.5)1TS-MW2	CCGW09T304TS-MW2	2	0.110	0.381	0.016	7°	0.002-0.008	0.004-0.020							
	CCGW3(2.5)2TM-MW2	CCGW09T308TM-MW2	2	0.106	0.381	0.031	7°	0.002-0.010	0.004-0.020			😀				
	CCGW2(1.5)0.5TS-2	CCGW060202TS-2	2	0.110	0.254	0.008	7°	0.002-0.006	0.004-0.012	😐		😀			😀	
	CCGW2(1.5)1TS-2	CCGW060204TS-2	2	0.110	0.254	0.016	7°	0.002-0.008	0.004-0.012	😐						
	CCGW2(1.5)2TS-2	CCGW060208TS-2	2	0.106	0.254	0.031	7°	0.002-0.010	0.004-0.020	😐						
	CCGW3(2.5)1TS-2	CCGW09T304TS-2	2	0.110	0.381	0.016	7°	0.002-0.006	0.004-0.020	😐						
	CCGW3(2.5)2TS-2	CCGW09T308TS-2	2	0.106	0.381	0.031	7°	0.002-0.008	0.004-0.020	😐						

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBS10: CCGW2(1.5)0.5EM-2 WBS10

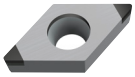
BH = CBN with high CBN content
BC = CBN Coated
BL = CBN with low CBN content

WALTER SELECT Optimum indexable insert for → Good = 😀 → Average = 😐 → Poor = 😣 machining conditions

CBN – Positive rhombic 55°
DCGW



Indexable inserts

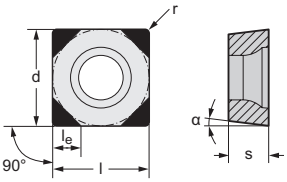
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α	f in	a_p in	K BH WBK20	S BH WBS10	H BC WBH10C	H BC WBH20C	H BH WBH30	H BL WBH10	H BL WBH20
	DCGW2(1.5)0.5EM-2	DCGW070202EM-2	2	0.118	0.305	0.008	7°	0.002-0.006	0.004-0.012		☺					
	DCGW2(1.5)1EM-2	DCGW070204EM-2	2	0.114	0.305	0.016	7°	0.002-0.008	0.004-0.012		☺					
	DCGW3(2.5)1EM-2	DCGW11T304EM-2	2	0.114	0.458	0.016	7°	0.002-0.008	0.004-0.020		☺					
	DCGW3(2.5)2EM-2	DCGW11T308EM-2	2	0.110	0.458	0.031	7°	0.002-0.010	0.004-0.020		☺					
	DCGW2(1.5)0.5TM-2	DCGW070202TM-2	2	0.118	0.305	0.008	7°	0.002-0.006	0.004-0.012							😐
	DCGW2(1.5)1TM-2	DCGW070204TM-2	2	0.114	0.305	0.016	7°	0.002-0.008	0.004-0.012			☺			☺	😐
	DCGW2(1.5)2TM-2	DCGW070208TM-2	2	0.110	0.305	0.031	7°	0.002-0.010	0.004-0.020			☺			☺	😐
	DCGW3(2.5)0.5TM-2	DCGW11T302TM-2	2	0.118	0.458	0.008	7°	0.002-0.006	0.004-0.020					☹		😐
	DCGW3(2.5)1TM-2	DCGW11T304TM-2	2	0.114	0.458	0.016	7°	0.002-0.008	0.004-0.020			☺	😐	☹	☺	😐
	DCGW3(2.5)2TM-2	DCGW11T308TM-2	2	0.110	0.458	0.031	7°	0.002-0.010	0.004-0.020			☺	😐	☹	☺	😐
	DCGW2(1.5)0.5TS-2	DCGW070202TS-2	2	0.118	0.305	0.008	7°	0.002-0.006	0.004-0.012	😐					☺	
	DCGW2(1.5)1TS-2	DCGW070204TS-2	2	0.114	0.305	0.016	7°	0.002-0.008	0.004-0.012	😐						
	DCGW2(1.5)2TS-2	DCGW070208TS-2	2	0.110	0.305	0.031	7°	0.002-0.010	0.004-0.020	😐						
	DCGW3(2.5)0.5TS-2	DCGW11T302TS-2	2	0.118	0.458	0.008	7°	0.002-0.006	0.004-0.020	😐		☺	😐		☺	
	DCGW3(2.5)1TS-2	DCGW11T304TS-2	2	0.114	0.458	0.016	7°	0.002-0.008	0.004-0.020	😐						
	DCGW3(2.5)2TS-2	DCGW11T308TS-2	2	0.110	0.458	0.031	7°	0.002-0.010	0.004-0.020	😐						

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBS10: DCGW2(1.5)0.5EM-2 WBS10

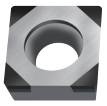
BH = CBN with high CBN content
BC = CBN Coated
BL = CBN with low CBN content

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

CBN – Positive square
SCGW



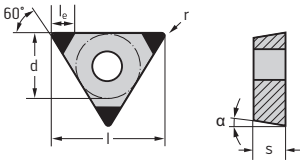
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α	f in	a_p in	K BH WBK20
	SCGW3(2.5)1TS-4	SCGW09T304TS-4	4	0.110	0.375	0.016	7°	0.002-0.008	0.004-0.020	
	SCGW3(2.5)2TS-4	SCGW09T308TS-4	4	0.110	0.375	0.031	7°	0.002-0.010	0.004-0.020	

Ordering example for the grade WBK20: SCGW3(2.5)1TS-4 WBK20

BH = CBN with high CBN content

CBN – Positive triangular 60°
TCGW



Indexable inserts

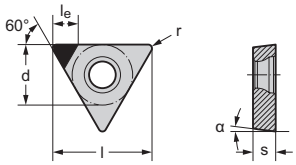
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α	f in	a_p in	K BH WBK20	H BC WBH10C	H BC WBH20C	H BH WBH30	H BL WBH10	H BL WBH20
	TCGW2(1.5)1TM-3	TCGW110204TM-3	3	0.122	0.433	0.016	7°	0.002-0.008	0.004-0.012						
	TCGW2(1.5)2TM-3	TCGW110208TM-3	3	0.110	0.433	0.031	7°	0.002-0.010	0.004-0.020						
	TCGW2(1.5)0.5TS-3	TCGW110202TS-3	3	0.110	0.433	0.008	7°	0.002-0.006	0.004-0.012						
	TCGW2(1.5)1TS-3	TCGW110204TS-3	3	0.122	0.433	0.016	7°	0.002-0.008	0.004-0.012						

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBH10: TCGW2(1.5)1TM-3 WBH10

BH = CBN with high CBN content
BC = CBN Coated
BL = CBN with low CBN content

WALTER SELECT Optimum indexable insert for → Good = → Average = → Poor = machining conditions

CBN – Positive triangular 60°
TCGW



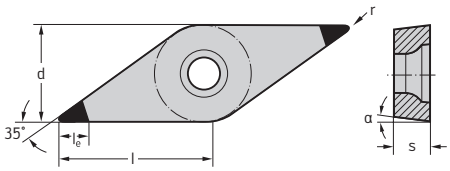
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α	f in	a_p in	K BH WBK20	H BL WBH10	H BL WBH20
	TCGW1.2(1.2)0.5TS-1	TCGW06T102TS-1	1	0.094	0.270	0.008	7°	0.001-0.005	0.004-0.012	😐	🙂	😐
	TCGW1.2(1.2)1TS-1	TCGW06T104TS-1	1	0.087	0.270	0.016	7°	0.001-0.005	0.004-0.012	😐	🙂	😐

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBH10: TCGW1.2(1.2)0.5TS-1 WBH10

BH = CBN with high CBN content
BL = CBN with low CBN content

CBN – Positive rhombic 35°
VBGW



Indexable inserts

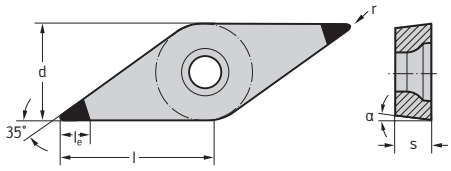
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α	f in	a_p in	H BC WBH20C	H BH WBH30	H BL WBH10	H BL WBH20
	VBGW221TM-2	VBGW110304TM-2	2	0.118	0.436	0.016	5°	0.002-0.008	0.004-0.020			🙂	😐
	VBGW3(3)0.5TM-2	VBGW160402TM-2	2	0.134	0.654	0.008	5°	0.002-0.010	0.004-0.020			🙂	😐
	VBGW331TM-2	VBGW160404TM-2	2	0.118	0.654	0.016	5°	0.002-0.008	0.004-0.020	☹	☹	🙂	😐
	VBGW332TM-2	VBGW160408TM-2	2	0.118	0.654	0.031	5°	0.002-0.010	0.004-0.020	☹	☹	🙂	😐
	VBGW331TS-2	VBGW160404TS-2	2	0.118	0.654	0.016	5°	0.002-0.008	0.004-0.020			🙂	
	VBGW332TS-2	VBGW160408TS-2	2	0.118	0.654	0.031	5°	0.002-0.010	0.004-0.020			🙂	

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBH10: VBGW221TM-2 WBH10

BC = CBN Coated
BH = CBN with high CBN content
BL = CBN with low CBN content

WALTER SELECT Optimum indexable insert for → Good = 🙂 → Average = 😐 → Poor = ☹ machining conditions

CBN – Positive rhombic 35°
VCGW



Indexable inserts

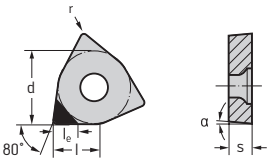
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α	f in	a_p in	S BH WBS10	H BC WBH20C	H BL WBH10
	VCGW2(2)0.5EM-2	VCGW110302EM-2	2	0.134	0.436	0.008	7°	0.002-0.006	0.004-0.012	☺		
	VCGW221EM-2	VCGW110304EM-2	2	0.118	0.436	0.016	7°	0.002-0.008	0.004-0.012	☺		
	VCGW331EM-2	VCGW160404EM-2	2	0.118	0.654	0.016	7°	0.002-0.008	0.004-0.020	☺		
	VCGW332EM-2	VCGW160408EM-2	2	0.118	0.654	0.031	7°	0.002-0.010	0.004-0.020	☺		
	VCGW331TM-2	VCGW160404TM-2	2	0.118	0.654	0.016	7°	0.002-0.008	0.004-0.020			☺
	VCGW332TM-2	VCGW160408TM-2	2	0.118	0.654	0.031	7°	0.002-0.010	0.004-0.020			☺
	VCGW2(2)0.5TS-2	VCGW110302TS-2	2	0.134	0.436	0.008	7°	0.002-0.006	0.004-0.012		😐	
	VCGW331TS-2	VCGW160404TS-2	2	0.118	0.654	0.016	7°	0.002-0.008	0.004-0.020			☺
	VCGW332TS-2	VCGW160408TS-2	2	0.118	0.654	0.031	7°	0.002-0.010	0.004-0.020			☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WBS10: VCGW2(2)0.5EM-2 WBS10

BH = CBN with high CBN content
BC = CBN Coated
BL = CBN with low CBN content

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

CBN – Positive trigon 80°
WCMW



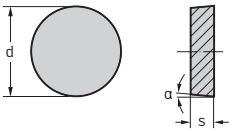
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l in	r in	K BH WCB80	H BH WCB50	H BH WCB80
	WCMW1.5(0.5)0.5	WCMW020102	1	0.106	0.008	☺	😐	☹
	WCMW1.5(0.5)1	WCMW020104	1	0.106	0.016		😐	
	WCMW1.8(1.5)0.5	WCMW030202	1	0.138	0.008	☺	😐	☹
	WCMW1.8(1.5)1	WCMW030204	1	0.138	0.016	☺	😐	☹
	WCMW2(1.5)0.5	WCMW040202	1	0.169	0.008		😐	
	WCMW2(1.5)1	WCMW040204	1	0.169	0.016	☺	😐	☹
	WCMW1.8(2)1	WCMW050304	1	0.214	0.016	☺	😐	☹

See the ISO 1832 designation key for dimensions
Ordering example for the grade WCB50: WCMW020102 WCB50

BH = CBN with high CBN content

Ceramic – Positive round
RPGN



Indexable inserts

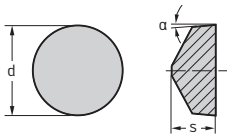
	ANSI Designation	Designation	d in	α	f in	a_p in	S CN WIS10
	RPGN33E	RPGN090300E	0.375	11°	0.004-0.008	0.004-0.094	☺
	RPGN43E	RPGN120400E	0.500	11°	0.004-0.012	0.004-0.142	☺
	RPGN33T01020	RPGN090300T01020	0.375	11°	0.004-0.010	0.008-0.094	☺
	RPGN43T01020	RPGN120400T01020	0.500	11°	0.004-0.013	0.008-0.142	☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WIS10: RPGN3300E WIS10

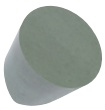
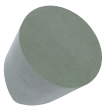
CN = Silicon nitride Si3N4

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Ceramic – Positive round
RCGX



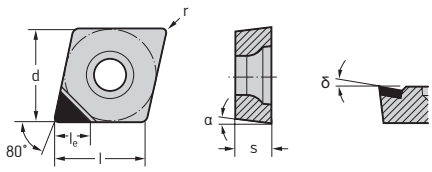
Indexable inserts

	ANSI Designation	Designation	d in	α	f in	a_p in	S CN WIS10	S CR WWS20
	RCGX32E	RCGX090700E	0.375	7°	0.10–0.25	0.1–2.4	☺	
	RCGX42E	RCGX120700E	0.500	7°	0.10–0.32	0.1–3.6	☺	
	RCGX24T01020	RCGX060600T01020	0.250	7°	0.10–0.20	0.2–1.8	☺	
	RCGX32T01020	RCGX090700T01020	0.375	7°	0.10–0.25	0.2–2.4	☺	😐
	RCGX42T01020	RCGX120700T01020	0.500	7°	0.10–0.32	0.2–3.6	☺	

See the ISO 1832 designation key for dimensions

CN = Silicon nitride Si3N4
CR = Reinforced ceramic

PCD – Positive rhombic 80°
CPGW



Indexable inserts

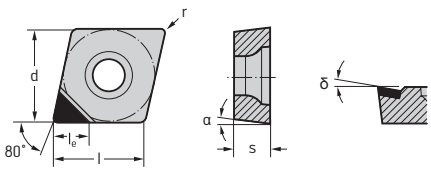
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α		f in	a_p in	N DP WDN10	O DP WDN10
	CPGW1.8(1.5)1FS-1	CPGW050204FS-1	1	0.118	0.222	0.016	11°	0°	0.001-0.010	0.004-0.098	☺	☺
	CPGW2(1.5)1FS-1	CPGW060204FS-1	1	0.138	0.254	0.016	11°	0°	0.001-0.010	0.004-0.118	☺	☺
	CPGW3(2.5)1FS-1	CPGW09T304FS-1	1	0.157	0.381	0.016	11°	0°	0.001-0.010	0.004-0.138	☺	☺
	CPGW3(2.5)2FS-1	CPGW09T308FS-1	1	0.157	0.381	0.031	11°	0°	0.001-0.015	0.004-0.138	☺	☺
	CPGW432FS-1	CPGW120408FS-1	1	0.157	0.508	0.031	11°	0°	0.001-0.015	0.004-0.138	☺	☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WDN10: CPGW1.8(1.5)1FS-1 WDN10

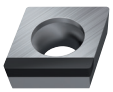
DP = Polycrystalline diamond

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

PCD – Positive rhombic 80°
CCGT / CCGW



Indexable inserts

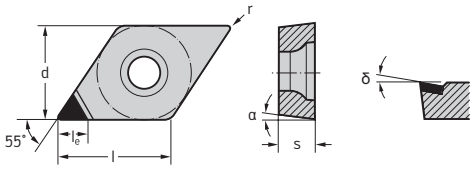
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α		f in	a_p in	N DP WDN10	O DP WDN10
	CCGT2(1.5)0.5FS-1	CCGT060202FS-1	1	0.138	0.254	0.008	7°	7°	0.001-0.005	0.004-0.118	☺	☺
	CCGT2(1.5)1FS-1	CCGT060204FS-1	1	0.138	0.254	0.016	7°	7°	0.001-0.010	0.004-0.118	☺	☺
	CCGT2(1.5)2FS-1	CCGT060208FS-1	1	0.138	0.254	0.031	7°	7°	0.001-0.015	0.004-0.118	☺	☺
	CCGT3(2.5)1FS-1	CCGT09T304FS-1	1	0.157	0.381	0.016	7°	10°	0.001-0.010	0.004-0.138	☺	☺
	CCGT3(2.5)2FS-1	CCGT09T308FS-1	1	0.157	0.381	0.031	7°	10°	0.001-0.015	0.004-0.138	☺	☺
 Chipbreaker	CCGT2(1.5)1FS-M1	CCGT060204FS-M1	1	0.138	0.254	0.016	7°		0.003-0.008	0.004-0.079	☺	☺
	CCGT3(2.5)1FS-M1	CCGT09T304FS-M1	1	0.157	0.381	0.016	7°		0.003-0.008	0.004-0.079	☺	☺
	CCGW2(1.5)0.5FS-1	CCGW060202FS-1	1	0.142	0.254	0.008	7°	0°	0.001-0.005	0.004-0.118	☺	☺
	CCGW2(1.5)1FS-1	CCGW060204FS-1	1	0.138	0.254	0.016	7°	0°	0.001-0.010	0.004-0.118	☺	☺
	CCGW2(1.5)2FS-1	CCGW060208FS-1	1	0.138	0.254	0.031	7°	0°	0.001-0.015	0.004-0.118	☺	☺
	CCGW3(2.5)0.5FS-1	CCGW09T302FS-1	1	0.161	0.381	0.008	7°	0°	0.001-0.005	0.004-0.138	☺	☺
	CCGW3(2.5)1FS-1	CCGW09T304FS-1	1	0.161	0.381	0.016	7°	0°	0.001-0.010	0.004-0.138	☺	☺
	CCGW3(2.5)2FS-1	CCGW09T308FS-1	1	0.157	0.381	0.031	7°	0°	0.001-0.015	0.004-0.138	☺	☺
	CCGW431FS-1	CCGW120404FS-1	1	0.161	0.508	0.016	7°	0°	0.001-0.010	0.004-0.138	☺	☺
	CCGW432FS-1	CCGW120408FS-1	1	0.157	0.508	0.031	7°	0°	0.001-0.015	0.004-0.138	☺	☺
	CCGW2(1.5)1FSL-9	CCGW060204FSL-9	1	0.252	0.254	0.016	7°	0°	0.001-0.010	0.004-0.252	☺	☺
	CCGW3(2.5)1FSL-9	CCGW09T304FSL-9	1	0.382	0.381	0.016	7°	0°	0.001-0.010	0.004-0.382	☺	☺
	CCGW3(2.5)2FSL-9	CCGW09T308FSL-9	1	0.382	0.381	0.031	7°	0°	0.001-0.015	0.004-0.382	☺	☺
	CCGW2(1.5)1FSR-9	CCGW060204FSR-9	1	0.252	0.254	0.016	7°	0°	0.001-0.010	0.004-0.252	☺	☺
	CCGW3(2.5)1FSR-9	CCGW09T304FSR-9	1	0.382	0.381	0.016	7°	0°	0.001-0.010	0.004-0.382	☺	☺
	CCGW3(2.5)2FSR-9	CCGW09T308FSR-9	1	0.382	0.381	0.031	7°	0°	0.001-0.015	0.004-0.382	☺	☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WDN10: CCGT2(1.5)0.5FS-1 WDN10

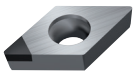
DP = Polycrystalline diamond

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

PCD – Positive rhombic 55°
DPGW



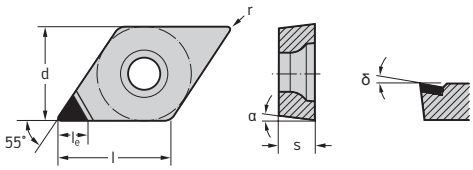
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α		f in	a_p in	N DP WDN10	O DP WDN10
	DPGW 2(1.5)1FS-1	DPGW070204FS-1	1	0.138	0.305	0.016	11°	0°	0.001-0.010	0.004-0.118	☺	☺
	DPGW3(2.5)1FS-1	DPGW11T304FS-1	1	0.157	0.458	0.016	11°	0°	0.001-0.010	0.004-0.138	☺	☺
	DPGW3(2.5)2FS-1	DPGW11T308FS-1	1	0.157	0.458	0.031	11°	0°	0.001-0.015	0.004-0.138	☺	☺

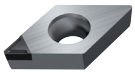
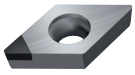
See the ISO 1832 designation key for dimensions
Ordering example for the grade WDN10: DPGW2(1.5)1FS-1 WDN10

DP = Polycrystalline diamond

PCD – Positive rhombic 55°
DCGT / DCGW



Indexable inserts

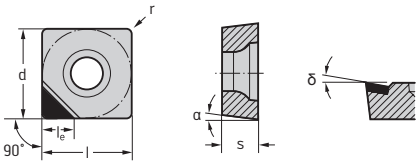
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α		f in	a_p in	N DP WDN10	O DP WDN10
	DCGT2(1.5)0.5FS-1	DCGT070202FS-1	1	0.146	0.305	0.008	7°	7°	0.001-0.005	0.004-0.118	☺	☺
	DCGT2(1.5)1FS-1	DCGT070204FS-1	1	0.138	0.305	0.016	7°	7°	0.001-0.010	0.004-0.118	☺	☺
	DCGT3(2.5)0.5FS-1	DCGT11T302FS-1	1	0.165	0.458	0.008	7°	10°	0.001-0.005	0.004-0.138	☺	☺
	DCGT3(2.5)1FS-1	DCGT11T304FS-1	1	0.157	0.458	0.016	7°	10°	0.001-0.010	0.004-0.118	☺	☺
	DCGT3(2.5)2FS-1	DCGT11T308FS-1	1	0.157	0.458	0.031	7°	10°	0.001-0.015	0.004-0.138	☺	☺
 Chipbreaker	DCGT2(1.5)1FS-M1	DCGT070204FS-M1	1	0.138	0.305	0.016	7°		0.003-0.008	0.004-0.079	☺	☺
	DCGT3(2.5)1FS-M1	DCGT11T304FS-M1	1	0.157	0.458	0.016	7°		0.003-0.008	0.004-0.079	☺	☺
	DCGW2(1.5)0.5FS-1	DCGW070202FS-1	1	0.146	0.305	0.008	7°	0°	0.001-0.005	0.004-0.118	☺	☺
	DCGW2(1.5)1FS-1	DCGW070204FS-1	1	0.138	0.305	0.016	7°	0°	0.001-0.010	0.004-0.118	☺	☺
	DCGW2(1.5)2FS-1	DCGW070208FS-1	1	0.138	0.305	0.031	7°	0°	0.001-0.015	0.004-0.118	☺	☺
	DCGW3(2.5)0.5FS-1	DCGW11T302FS-1	1	0.165	0.458	0.008	7°	0°	0.001-0.005	0.004-0.138	☺	☺
	DCGW3(2.5)1FS-1	DCGW11T304FS-1	1	0.157	0.458	0.016	7°	0°	0.001-0.010	0.004-0.138	☺	☺
	DCGW3(2.5)2FS-1	DCGW11T308FS-1	1	0.157	0.458	0.031	7°	0°	0.001-0.015	0.004-0.138	☺	☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WDN10: DCGT2(1.5)0.5FS-1 WDN10

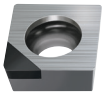
DP = Polycrystalline diamond

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

PCD – Positive square
SPGW



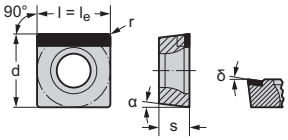
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α		f in	a_p in	N DP WDN10	O DP WDN10
	SPGW3(2.5)2FS-1	SPGW09T308FS-1	1	0.157	0.375	0.031	11°	0°	0.001-0.015	0.004-0.138	☺	☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WDN10: SPGW3(2.5)2FS-1 WDN10

DP = Polycrystalline diamond

PCD – Positive square
SCGW



Indexable inserts

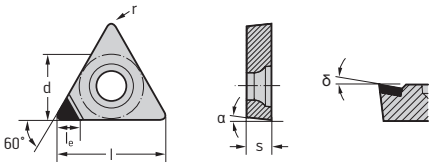
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α		f in	a_p in	N DP WDN10	O DP WDN10
	SCGW3(2.5)1FS-9	SCGW09T304FS-9	1	0.374	0.375	0.016	7°	0°	0.001-0.010	0.004-0.374	☺	☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WDN10: SCGW3(2.5)1FS-9 WDN10

DP = Polycrystalline diamond

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

PCD – Positive triangular 60°
TPGW



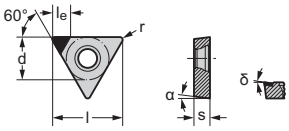
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α		f in	a_p in	N DP WDN10	O DP WDN10
	TPGW2(1.5)1FS-1	TPGW110204FS-1	1	0.165	0.433	0.016	11°	0°	0.001-0.010	0.004-0.138	☺	☺
	TPGW2(1.5)2FS-1	TPGW110208FS-1	1	0.157	0.433	0.031	11°	0°	0.001-0.015	0.004-0.138	☺	☺
	TPGW3(2.5)1FS-1	TPGW16T304FS-1	1	0.165	0.650	0.016	11°	0°	0.001-0.010	0.004-0.138	☺	☺
	TPGW3(2.5)2FS-1	TPGW16T308FS-1	1	0.157	0.650	0.031	11°	0°	0.001-0.015	0.004-0.138	☺	☺

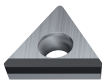
See the ISO 1832 designation key for dimensions
Ordering example for the grade WDN10: TPGW2(1.5)1FS-1 WDN10

DP = Polycrystalline diamond

PCD – Positive triangular 60°
TCGW



Indexable inserts

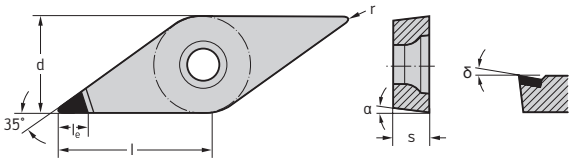
	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α		f in	a_p in	N DP WDN10	O DP WDN10
	TCGW1.8(1.5)1FS-1	TCGW090204FS-1	1	0.150	0.379	0.016	7°	0°	0.001-0.010	0.004-0.118	☺	☺
	TCGW2(1.5)0.5FS-1	TCGW110202FS-1	1	0.173	0.433	0.008	7°	0°	0.001-0.005	0.004-0.118	☺	☺
	TCGW2(1.5)1FS-1	TCGW110204FS-1	1	0.169	0.433	0.016	7°	0°	0.001-0.010	0.004-0.118	☺	☺
	TCGW2(1.5)2FS-1	TCGW110208FS-1	1	0.157	0.433	0.031	7°	0°	0.001-0.015	0.004-0.118	☺	☺
	TCGW3(2.5)1FS-1	TCGW16T304FS-1	1	0.169	0.650	0.016	7°	0°	0.001-0.010	0.004-0.138	☺	☺
	TCGW3(2.5)2FS-1	TCGW16T308FS-1	1	0.157	0.650	0.031	7°	0°	0.001-0.015	0.004-0.138	☺	☺
	TCGW1.8(1.5)1FS-9	TCGW090204FS-9	1	0.354	0.379	0.016	7°	0°	0.001-0.010	0.004-0.354	☺	☺
	TCGW2(1.5)1FS-9	TCGW110204FS-9	1	0.409	0.433	0.016	7°	0°	0.001-0.010	0.004-0.409	☺	☺
	TCGW3(2.5)2FS-9	TCGW16T308FS-9	1	0.602	0.650	0.031	7°	0°	0.001-0.015	0.004-0.602	☺	☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WDN10: TCGW1.8(1.5)1FS-1 WDN10

DP = Polycrystalline diamond

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

PCD – Positive rhombic 35°
VCGT / VCGW



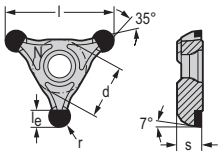
Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	l_e in	l in	r in	α		f in	a_p in	N DP WDN10	O DP WDN10
	VCGT2(2)0.5FS-1	VCGT110302FS-1	1	0.161	0.436	0.008	7°	10°	0.001-0.005	0.004-0.118	☺	☺
	VCGT221FS-1	VCGT110304FS-1	1	0.146	0.436	0.016	7°	10°	0.001-0.010	0.004-0.118	☺	☺
	VCGT331FS-1	VCGT160404FS-1	1	0.177	0.654	0.016	7°	10°	0.001-0.010	0.004-0.157	☺	☺
	VCGT332FS-1	VCGT160408FS-1	1	0.177	0.654	0.031	7°	10°	0.001-0.015	0.004-0.157	☺	☺
	VCGW2(2)0.5FS-1	VCGW110302FS-1	1	0.161	0.436	0.008	7°	0°	0.001-0.005	0.004-0.118	☺	☺
	VCGW221FS-1	VCGW110304FS-1	1	0.146	0.436	0.016	7°	0°	0.001-0.010	0.004-0.118	☺	☺
	VCGW222FS-1	VCGW110308FS-1	1	0.146	0.436	0.031	7°	0°	0.001-0.015	0.004-0.118	☺	☺
	VCGW331FS-1	VCGW160404FS-1	1	0.177	0.654	0.016	7°	0°	0.001-0.010	0.004-0.157	☺	☺
	VCGW332FS-1	VCGW160408FS-1	1	0.177	0.654	0.031	7°	0°	0.001-0.015	0.004-0.157	☺	☺

See the ISO 1832 designation key for dimensions
Ordering example for the grade WDN10: VCGT2(2)0.5FS-1 WDN10

DP = Polycrystalline diamond

CBN – Indexable inserts copy turning system
WL...-RC...



Indexable inserts

	ANSI Designation	Designation	Number of cutting edges	r in	l in	l_e in	f in	a_p in	H BC WBH20C
		WL25-RC0420NTM-3	3	0.079	0.984	0.126	0.001-0.020	0.004-0.079	☹
		WL25-RC0525NTM-3	3	0.098	0.984	0.197	0.001-0.020	0.004-0.098	☹

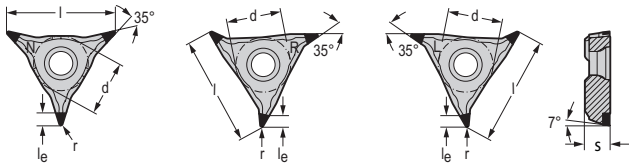
Ordering example for the grade WBH20C: WL25-RC0420NTM-3 WBH20C

BC = CBN Coated

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

CBN – Indexable inserts copy turning system

WL...-VC...



Indexable inserts

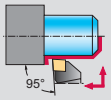
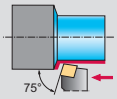
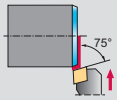
	ANSI Designation	Designation	Number of cutting edges	r in	l in	l_e in	f in	a_p in	H BC WBH20C
		WL25-VC0704LTM-3	3	0.016	0.984	0.118	0.002-0.008	0.004-0.020	☺
		WL25-VC0708LTM-3	3	0.031	0.984	0.118	0.002-0.010	0.004-0.020	☺
		WL25-VC0704NTM-3	3	0.016	0.984	0.118	0.002-0.008	0.004-0.020	☺
		WL25-VC0708NTM-3	3	0.031	0.984	0.118	0.002-0.010	0.004-0.020	☺
		WL25-VC0704RTM-3	3	0.016	0.984	0.118	0.002-0.008	0.004-0.020	☺
		WL25-VC0708RTM-3	3	0.031	0.984	0.118	0.002-0.010	0.004-0.020	☺

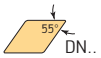
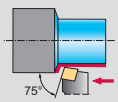
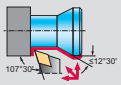
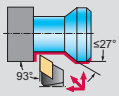
Ordering example for the grade WBH20C: WL25-VC0704LTM-3 WBH20C

BC = CBN Coated

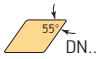
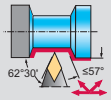
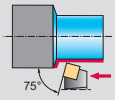
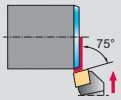
WALTER SELECT Optimum indexable insert for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

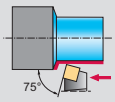
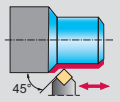
Square-shank turning toolholders – Negative basic shape

Type				
				
Machining				
				
Designation	**DCLN**	**DCLN...-P**	**DCBN**	**DCKN**
Approach angle	95°	95°	75°	75°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	Precision cooling	External	External
Shank size h [mm]	16–32	20–32	25–32	25–32
Shank size h [Inch]	0.625–1.500	0.750–1.000		1.000–1.250
Insert size l [mm]	9–19	12–16	12–19	12–16
Insert size l [1/8 inch]	3–6	4–5	4–6	4–5
Page in catalog	A 102	A 106	A 108	A 110
QR code				
www.walter-tools.com/woc/	DCLN	DCLN-P	DCBN	DCKN

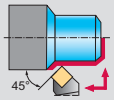
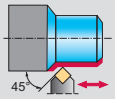
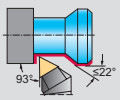
Type				
				
Machining				
				
Designation	**DCRN**	**DDHN**	**DDJN**	**DDJN...-P**
Approach angle	75°	107,5°	93°	93°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]		20–25	20–32	20–25
Shank size h [Inch]	1.000–1.250		0.625–1.500	0.750–1.000
Insert size l [mm]	12–19	15	11–15	11–15
Insert size l [1/8 inch]	4–6	4	3–4	3–4
Page in catalog	A 109	A 112	A 113	A 116
QR code				
www.walter-tools.com/woc/	DCRN	DDHN	DDJN	DDJN-P

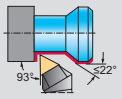
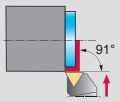
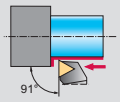
Square-shank turning toolholders – Negative basic shape

Type			
Machining			
				
Designation	**DDNN**	**DDPN**	**DSBN**	**DSKN**
Approach angle	62.5°	62.5°	75°	75°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	External	External	External
Shank size h [mm]	20–32		25–40	25–32
Shank size h [Inch]		0.750–1.250		
Insert size l [mm]	11–15	15	12–19	12–15
Insert size l [1/8 inch]	3–4	4	4–6	4–5
Page in catalog	A 118	A 119	A 120	A 124
QR code				
www.walter-tools.com/woc/	DDNN	DDPN	DSBN	DSKN

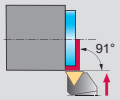
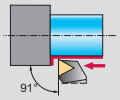
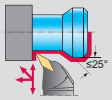
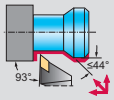
Type			
Machining			
				
Designation	**DSRN**	**DSBN...-P**	**PSBN**	**DSDN**
Approach angle	75°	75°	75°	45°
Clamping system	Claw	Claw	Lever-type	Claw
Coolant supply	External	Precision cooling	External	External
Shank size h [mm]		25	20–50	20–32
Shank size h [Inch]	0.750–1.500			0.625–1.500
Insert size l [mm]	12–25	12	12–25	9–25
Insert size l [1/8 inch]	4–8	4	4–8	3–8
Page in catalog	A 121	A 122	A 123	A 125
QR code				
www.walter-tools.com/woc/	DSRN	DSBN-P	PSBN	DSDN

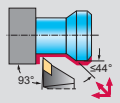
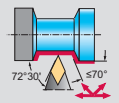
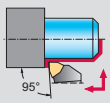
Square-shank turning toolholders – Negative basic shape

Type	90° SN..		60° TN..
Machining			
				
Designation	**DSSN**	**DSSN...-P**	**PSDN**	**DTJN**
Approach angle	45°	45°	45°	93°
Clamping system	Claw	Claw	Lever-type	Claw
Coolant supply	External	Precision cooling	External	External
Shank size h [mm]	20–32	25	12–40	
Shank size h [Inch]	1.000			0.750–1.250
Insert size l [mm]	12–19	12	9–25	16–27
Insert size l [1/8 inch]	4–6	4	3–8	3–5
Page in catalog	A 128	A 130	A 127	A 132
QR code				
www.walter-tools.com/woc/	DSSN	DSSN-P	PSDN	DTJN

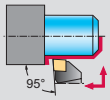
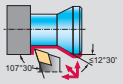
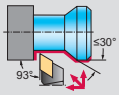
Type		60° TN..	
Machining			
				
Designation	**MTJN**	**DTFN**	**DTGN**	**DTGN...-P**
Approach angle	93°	91°	91°	91°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]	20–32		20–32	20–25
Shank size h [Inch]		1.000		
Insert size l [mm]	16–22	22	16–22	16
Insert size l [1/8 inch]	3–4	3	3–4	3
Page in catalog	A 136	A 138	A 131	A 134
QR code				
www.walter-tools.com/woc/	MTJN	DTFN	DTGN	DTGN-P

Square-shank turning toolholders – Negative basic shape

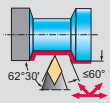
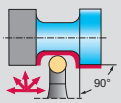
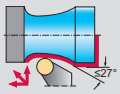
Type	60° TN..		35° VN..	
Machining				
				
Designation	**PTFN**	**PTGN**	**DVTN**	**DVJN**
Approach angle	91°	91°	117.5°	93°
Clamping system	Lever-type	Lever-type	Claw	Claw
Coolant supply	External	External	External	External
Shank size h [mm]	25–32	16–32		20–32
Shank size h [Inch]			0.750–1.250	0.750–1.250
Insert size l [mm]	16	11–27	16	16
Insert size l [1/8 inch]	3	2–5	3	3
Page in catalog	A 137	A 135	A 139	A 140
QR code				
www.walter-tools.com/woc/	PTFN	PTGN	DVTN	DVJN

Type	35° VN..		80° WN..	
Machining				
				
Designation	**DVJN...-P**	**DVVN**	**DWLN**	**DWLN...-P**
Approach angle	93°	72.5°	95°	95°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	Precision cooling	External	External	Precision cooling
Shank size h [mm]	20–25	20–32	16–32	20–25
Shank size h [Inch]	0.750–1.000	0.750–1.250	0.750–1.250	0.750–1.000
Insert size l [mm]	16	16	6–10	8
Insert size l [1/8 inch]	3	3	3–5	4
Page in catalog	A 142	A 144	A 146	A 149
QR code				
www.walter-tools.com/woc/	DVJN-P	DVVN	DWLN	DWLN-P

Square-shank turning toolholders – Positive basic shape

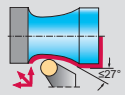
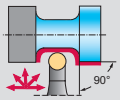
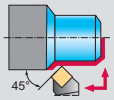
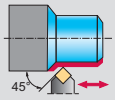
Type	 CC..	 DC..	
Machining			
			

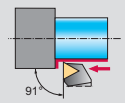
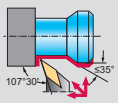
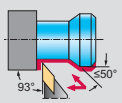
Designation	SCLC	SDHC	SDJC	DDJC...-P
Approach angle	95°	107.5°	93°	93°
Clamping system	Screw	Screw	Screw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]	10–25	12–25	10–25	20–25
Shank size h [Inch]	0.375–1.250		0.375–1.000	
Insert size l [mm]	6–12	7–11	7–11	11
Insert size l [1/8 inch]	2–4	2–3	2–3	3
Page in catalog	A 151	A 153	A 154	A 156
QR code				
www.walter-tools.com/woc/	SCLC	SDHC	SDJC	DDJC-P

Type	 DC..	 RC..	
Machining			
			

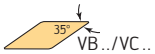
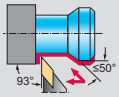
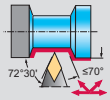
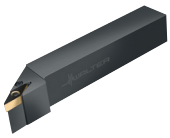
Designation	SDNC	SRAC	SRDC	SRGC
Approach angle	62.5°	0°	0°	0°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	External	External	External	External
Shank size h [mm]	10–25		12–32	
Shank size h [Inch]		1.000–1.250	0.500–1.250	1.000
Insert size l [mm]	7–11	6–12	6–16	12
Insert size l [1/8 inch]	2–3	2–4	2–5	4
Page in catalog	A 157	A 162	A 158	A 164
QR code				
www.walter-tools.com/woc/	SDNC	SRAC	SRDC	SRGC

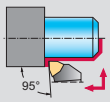
Square-shank turning toolholders – Positive basic shape

Type	RC..		SC..	
Machining				
				
Designation	**SRSC**	**PRDC**	**SSDC**	**SSDCN**
Approach angle	0°	0°	45°	45°
Clamping system	Screw	Lever-type	Screw	Screw
Coolant supply	External	External	External	External
Shank size h [mm]	20–32	20–50	16–25	12–25
Shank size h [Inch]	1.000		0.375–0.750	
Insert size l [mm]	6–16	10–32	6–12	9–12
Insert size l [1/8 inch]	2–5		2–4	3–4
Page in catalog	A 160	A 159	A 165	A 166
QR code				
www.walter-tools.com/woc/	SRSC	PRDC	SSDC	SSDCN

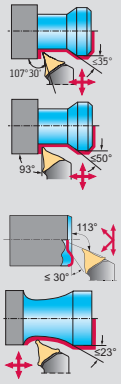
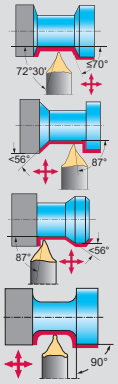
Type	TC..	VB../VC..	
Machining			
			
Designation	**STGC**	**SVHB**	**PVHB**	**SVJB**
Approach angle	91°	107.5°	107.5°	93°
Clamping system	Screw	Screw	Lever-type	Screw
Coolant supply	External	External	External	External
Shank size h [mm]	12–25	16–32	16–32	12–32
Shank size h [Inch]	0.375–1.000			0.500–1.000
Insert size l [mm]	11–16	11–16	11–16	11–16
Insert size l [1/8 inch]	2–3	2–3	2–3	2–3
Page in catalog	A 168	A 170	A 171	A 172
QR code				
www.walter-tools.com/woc/	STGC	SVHB	PVHB	SVJB

Square-shank turning toolholders – Positive basic shape

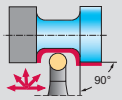
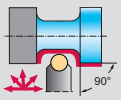
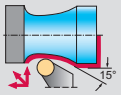
Type				
Machining				
				
Designation	**DVJB...-P**	**PVJB**	**SVVB**	**PVVB**
Approach angle	93°	93°	72.5°	72.5°
Clamping system	Claw	Lever-type	Screw	Lever-type
Coolant supply	Precision cooling	External	External	External
Shank size h [mm]	20–25	16–32	12–32	20–32
Shank size h [Inch]			0.750–1.000	
Insert size l [mm]	16	11–16	11–16	11–16
Insert size l [1/8 inch]	3	2–3	2–3	2–3
Page in catalog	A 174	A 175	A 176	A 178
QR code				
www.walter-tools.com/woc/	DVJB-P	PVJB	SVVB	PVVB

Type	
Machining	
	
Designation	**SWLC**
Approach angle	95°
Clamping system	Screw
Coolant supply	External
Shank size h [mm]	12–25
Shank size h [Inch]	
Insert size l [mm]	4–8
Insert size l [1/8 inch]	2–4
Page in catalog	A 179
QR code	
www.walter-tools.com/woc/	SWLC

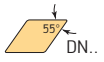
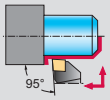
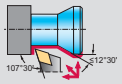
Shank tool – WL Copy turning system

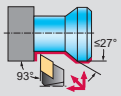
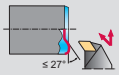
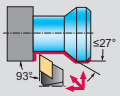
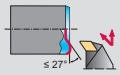
Type		 WL . .	
Machining			
			
Designation	**W1011**	**W1011...-P**	**W1010...-P**
Approach angle	107.5°	107.5°	72.5°
Clamping system	Screw	Screw	Screw
Coolant supply	External	Precision cooling	Precision cooling
Shank size h [mm]	16–25	20–25	20–25
Shank size h [Inch]		0.750–1.000	0.750–1.000
Insert size l [mm]	25	25	25
Insert size l [1/8 inch]			
Page in catalog	A 180	A 182	A 186
QR code			
www.walter-tools.com/woc/	W1011	W1011-P	W1010-P

Square-shank turning toolholders – Ceramic indexable inserts

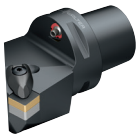
Type	RC../RP..	RN..		
Machining				
	Selection	Selection	Selection	Selection
				
Designation	**CRDC**	**CRDN**	**CRSN**	**CRSN...-P**
Approach angle	0°	0°	0°	0°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]	32	25–32	25–32	25
Shank size h [Inch]				
Insert size l [mm]	9–12	12	12–15	12
Insert size l [1/8 inch]				
Page in catalog	A 190	A 191	A 192	A 193
QR code				
www.walter-tools.com/woc/	CRDC	CRDN	CRSN	CRSN-P

Walter Capto™ turning toolholders – Negative basic shape

Type				
				
Machining				
				
Designation	**C...-DCLN**	**C...-DCLN...-P**	**C...-PCLN**	**C...-DDHN...-P**
Approach angle	95°	95°	95°	107.5°
Clamping system	Claw	Claw	Lever-type	Claw
Coolant supply	Internal	Precision cooling	Internal	Precision cooling
Walter Capto™ size	C4–C8	C4–C8	C3–C8	C6
Insert size l [mm]	12–19	12–16	12–25	15
Insert size l [1/8 inch]	4–6	4–5	4–8	4
Page in catalog	A 194	A 196	A 197	A 199
QR code				
www.walter-tools.com/woc/	C-DCLN	C-DCLN-P	C-PCLN	C-DDHN-P

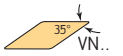
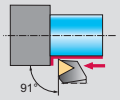
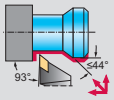
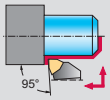
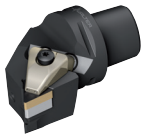
Type				
				
Machining				
				
Designation	**C...-DDJN**	**C...-DDUN**	**C...-DDJN...-P**	**C...-DDUN...-P**
Approach angle	93°	93°	93°	93°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	Internal	Internal	Precision cooling	Precision cooling
Walter Capto™ size	C4–C8	C4–C8	C4–C8	C6
Insert size l [mm]	11–15	15	11–15	15
Insert size l [1/8 inch]	3–4	4	3–4	4
Page in catalog	A 200	A 204	A 202	A 205
QR code				
www.walter-tools.com/woc/	C-DDJN	C-DDUN	C-DDJN-P	C-DDUN-P

Walter Capto™ turning toolholders – Negative basic shape

Type	55° DN..	90° SN..		
Machining	≤27° 93°	75°	75°	75°
				
Designation	**C...-PDJN**	**C...-DSKN**	**C...-DSRN**	**C...-PSKN**
Approach angle	93°	75°	75°	75°
Clamping system	Lever-type	Claw	Claw	Lever-type
Coolant supply	Internal	Internal	Internal	Internal
Walter Capto™ size	C3–C6	C4–C8	C4–C8	C6–C8
Insert size l [mm]	11–15	12–19	12–25	15–19
Insert size l [1/8 inch]	3–4	4–6	4–8	5–6
Page in catalog	A 203	A 206	A 209	A 208
QR code				
www.walter-tools.com/woc/	C-PDJN	C-DSKN	C-DSRN	C-PSKN

Type		90° SN..		60° TN..
Machining	75°	45°	45°	93° ≤22°
				
Designation	**C...-PSRN**	**C...-DSDN**	**C...-DSSN**	**C...-MTJN**
Approach angle	75°	45°	45°	93°
Clamping system	Lever-type	Claw	Claw	Claw
Coolant supply	Internal	Internal	Internal	Internal
Walter Capto™ size	C6–C8	C4–C8	C4–C6	C4–C6
Insert size l [mm]	19–25	12–25	12–19	16–22
Insert size l [1/8 inch]	6–8	4–8	4–6	3–4
Page in catalog	A 211	A 212	A 214	A 216
QR code				
www.walter-tools.com/woc/	C-PSRN	C-DSDN	C-DSSN	C-MTJN

Walter Capto™ turning toolholders – Negative basic shape

Type			
Machining			
				
Designation	**C...-DTGN...-P**	**C...-DVJN**	**C...-DVJN...-P**	**C...-DWLN**
Approach angle	91°	93°	93°	95°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	Precision cooling	Internal	Precision cooling	Internal
Walter Capto™ size	C4	C4–C8	C4–C6	C4–C6
Insert size l [mm]	16	16	16	6–10
Insert size l [1/8 inch]	3	3	3	3–5
Page in catalog	A 217	A 218	A 219	A 220
QR code				
www.walter-tools.com/woc/	C-DTGN-P	C-DVJN	C-DVJN-P	C-DWLN

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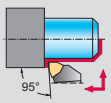
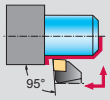
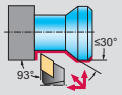
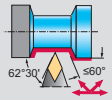
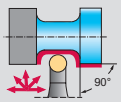
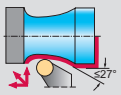
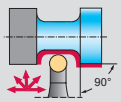
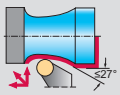
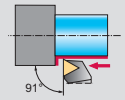
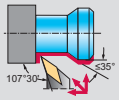
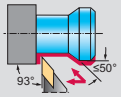
Machining	
		
Designation	**C...-DWLN...-P**	**C...-PWLN**
Approach angle	95°	95°
Clamping system	Claw	Lever-type
Coolant supply	Precision cooling	Internal
Walter Capto™ size	C4–C6	C3–C6
Insert size l [mm]	8	6–10
Insert size l [1/8 inch]	4	3–5
Page in catalog	A 222	A 223
QR code		
www.walter-tools.com/woc/	C-DWLN-P	C-PWLN

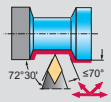
Walter Capto™ turning toolholders – Positive basic shape

Type				
				
Machining				
				
Designation	**C...-SCLC**	**C...-SDJC**	**C...-DDJC...-P**	**C...-SDNC**
Approach angle	95°	93°	93°	62.5°
Clamping system	Screw	Screw	Claw	Screw
Coolant supply	Internal	Internal	Precision cooling	Internal
Walter Capto™ size	C3–C6	C3–C6	C4–C5	C3–C5
Insert size l [mm]	9–12	7–11	11	11
Insert size l [1/8 inch]	3–4	2–3	3	3
Page in catalog	A 225	A 226	A 227	A 228
QR code				
www.walter-tools.com/woc/	C-SCLC	C-SDJC	C-DDJC-P	C-SDNC

Type				
		 RC..		
Machining				
				
Designation	**C...-SRDC**	**C...-SRSC**	**C...-PRDC**	**C...-PRSC**
Approach angle	0°	0°	0°	0°
Clamping system	Screw	Screw	Lever-type	Lever-type
Coolant supply	Internal	Internal	Internal	Internal
Walter Capto™ size	C3–C6	C4–C6	C5–C6	C5–C8
Insert size l [mm]	6–16	6–16	16–25	16–25
Insert size l [1/8 inch]				
Page in catalogue	A 229	A 231	A 230	A 232
QR code				
www.walter-tools.com/woc/	C-SRDC	C-SRSC	C-PRDC	C-PRSC

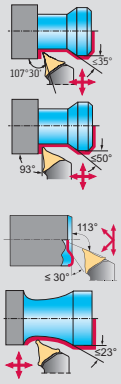
Walter Capto™ turning toolholders – Positive basic shape

Type	60° TC..	35° VB../VC..		
Machining				
				
Designation	**C...-STGC**	**C...-SVHB**	**C...-SVJB**	**C...-DVJB...-P**
Approach angle	91°	107.5°	93°	93°
Clamping system	Screw	Screw	Screw	Claw
Coolant supply	Internal	Internal	Internal	Precision cooling
Walter Capto™ size	C4–C5	C3–C6	C3–C6	C4–C8
Insert size l [mm]	11–16	11–16	11–16	16
Insert size l [1/8 inch]		2–3	2–3	3
Page in catalog	A 233	A 234	A 235	A 236
QR code				
www.walter-tools.com/woc/	C-STGC	C-SVHB	C-SVJB	C-DVJB-P

Type	35° VB../VC..
Machining	
	
Designation	**C...-SVVB**
Approach angle	72.5°
Clamping system	Screw
Coolant supply	Internal
Walter Capto™ size	C3–C6
Insert size l [mm]	11–16
Insert size l [1/8 inch]	2–3
Page in catalogue	A 237
QR code	
www.walter-tools.com/woc/	C-SVVB



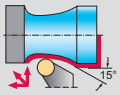
Walter Capto™ – WL copy turn system

Type	
Machining	
	
Designation	**W1011-C...-P**
Approach angle	107.5°
Clamping system	Screw
Coolant supply	Precision cooling
Walter Capto™ size	C4–C6
Insert size l [mm]	25
Insert size l [1/8 inch]	
Page in catalog	A 238
QR code	
www.walter-tools.com/woc/	W1011-C-P

WALTER SELECT

●● Primary application ● Other application

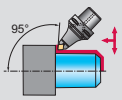
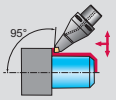
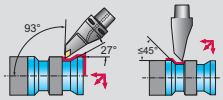
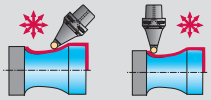
Square-shank turning toolholders – Ceramic indexable inserts

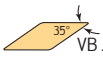
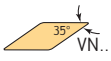
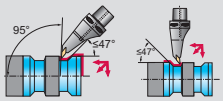
Type	 RN..
Machining	
	
Designation	**C...-CRSN...-P**
Approach angle	0°
Clamping system	Claw
Coolant supply	Precision cooling
Walter Capto™ size	C6
Insert size l [mm]	12
Insert size l [1/8 inch]	4
Page in catalog	A 240
QR code	
www.walter-tools.com/woc/	C-CRSN-P

WALTER SELECT

●● Primary application ● Other application

Walter Capto™ turning toolholders – Turning and milling centers

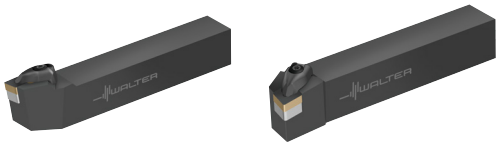
Type	 CC..	 CN..	 DN..	 RC..
Machining				
				
Designation	**C...-SCMC**	**C...-DCMN**	**C...-DDMN**	**C...-SRDC**
Approach angle	95°	95°	93°	0°
Clamping system	Screw	Claw	Claw	Screw
Coolant supply	axial	axial	axial	Internal
Walter Capto™ size	C6	C5–C8	C5–C8	C6
Insert size l [mm]	12	12–16	15	10–16
Insert size l [1/8 inch]	4	4–5	4	
Page in catalog	A 245	A 242	A 243	A 246
QR code				
www.walter-tools.com/woc/	C-SCMC	C-DCMN	C-DDMN	C-SRDC

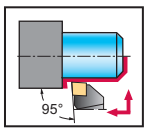
Type	 VB../VC..	 VN..
Machining		
		
Designation	**C...-SVMB**	**C...-DVMN**
Approach angle	95°	95°
Clamping system	Screw	Claw
Coolant supply	axial	axial
Walter Capto™ size	C5–C6	C8
Insert size l [mm]	16	16
Insert size l [1/8 inch]	3	3
Page in catalog	A 247	A 244
QR code		
www.walter-tools.com/woc/	C-SVMB	C-DVMN

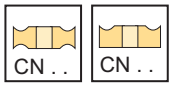
Shank tool – Rigid clamping

DCLN mm

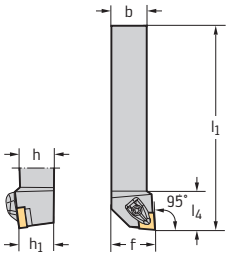
Walter Turn







Tool



Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
DCLNR1616H12	12	16	16	100	32.2	20	-6°	-6°	CN .. 1204 ..
DCLNR2020K12	12	20	20	125	32	25	-6°	-6°	
DCLNR2525M12	12	25	25	150	32	32	-6°	-6°	
DCLNR3225P12	12	32	25	170	32	32	-6°	-6°	
DCLNR2525M16	16	25	25	150	39	32	-6°	-6°	CN .. 1606 ..
DCLNR3225P16	16	32	25	170	39	32	-6°	-6°	
DCLNR3232P16	16	32	32	170	39	40	-6°	-6°	
DCLNR3232P19	19	32	32	170	43.2	40	-6°	-6°	CN .. 1906 ..
DCLNL1616H12	12	16	16	100	32.2	20	-6°	-6°	CN .. 1204 ..
DCLNL2020K12	12	20	20	125	32	25	-6°	-6°	
DCLNL2525M12	12	25	25	150	32	32	-6°	-6°	
DCLNL3225P12	12	32	25	170	32	32	-6°	-6°	
DCLNL2525M16	16	25	25	150	39	32	-6°	-6°	CN .. 1606 ..
DCLNL3225P16	16	32	25	170	39	32	-6°	-6°	
DCLNL3232P16	16	32	32	170	39	40	-6°	-6°	
DCLNL3232P19	19	32	32	170	43.2	40	-6°	-6°	CN .. 1906 ..

Dimensional drawing shows right-hand version.

Assembly parts

Type	CN .. 1204 .. 16	CN .. 1204 .. 20–32	CN .. 1606 .. 25–32	CN .. 1906 .. 32
Shim	AP354-CN12	AP301-CN12	AP302-CN16	AP303-CN19
Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm	FS1463 (T20IP) 5 Nm
Clamp	PK241	PK241	PK242	PK243
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm	FS1474 (T20IP) 6.4 Nm
Pressure spring	FS1470	FS1470	FS1471	FS1471
Pin	RS117	RS117	RS117	RS117
Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)

Accessories

Type	CN .. 1204 ..	CN .. 1606 ..	CN .. 1906 ..
(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET
Insert with hole Carbide clamp set	PK245-SET	PK246-SET	
Insert with hole Carbide clamp set	PK254-SET		

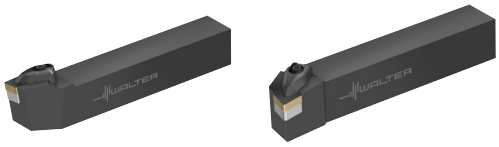
Accessories

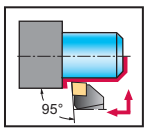
	Type	CN .. 1204 ..	CN .. 1606 ..	CN .. 1906 ..
	Shim for CN .. 1207 ..	AP411-CN1207		

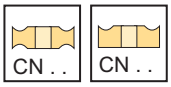
Shank tool – Rigid clamping

DCLN inch

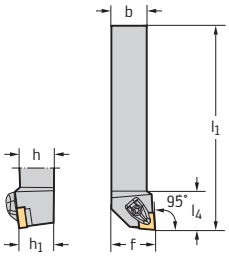
Walter Turn







Tool



Square shank

Designation		h = h1 inch	b inch	l1 inch	l4 inch	f inch	γ	λs	Type
DCLNR103A	0.354	0.625	0.625	4.000	0.978	0.875	-6°	-6°	CN .. 32 . CN .. 0903 ..
DCLNR123C	0.354	0.750	0.750	5.000	0.978	1.000	-6°	-6°	
DCLNR104A	0.472	0.625	0.625	4.000	1.260	0.867	-6°	-6°	CN .. 43 . CN .. 1204 ..
DCLNR124B	0.472	0.750	0.750	4.500	1.260	1.000	-6°	-6°	
DCLNR164C	0.472	1.000	1.000	5.000	1.260	1.250	-6°	-6°	
DCLNR164D	0.472	1.000	1.000	6.000	1.260	1.250	-6°	-6°	
DCLNR204D	0.472	1.250	1.250	6.000	1.260	1.500	-6°	-6°	
DCLNR244D	0.472	1.500	1.500	6.000	1.260	2.000	-6°	-6°	
DCLNR165D	0.630	1.000	1.000	6.000	1.540	1.250	-6°	-6°	CN .. 54 . CN .. 1606 ..
DCLNR205D	0.630	1.250	1.250	6.000	1.540	1.500	-6°	-6°	
DCLNR245D	0.630	1.500	1.500	6.000	1.540	2.000	-6°	-6°	
DCLNR206D	0.748	1.250	1.250	6.000	1.700	1.500	-6°	-6°	CN .. 64 . CN .. 1906 ..
DCLNR246D	0.748	1.500	1.500	6.000	1.700	2.000	-6°	-6°	
DCLNL103A	0.354	0.625	0.625	4.000	0.978	0.875	-6°	-6°	CN .. 32 . CN .. 0903 ..
DCLNL123C	0.354	0.750	0.750	5.000	0.978	1.000	-6°	-6°	
DCLNL124B	0.472	0.750	0.750	4.500	1.260	1.000	-6°	-6°	CN .. 43 .. CN .. 1204 ..
DCLNL164C	0.472	1.000	1.000	5.000	1.260	1.250	-6°	-6°	
DCLNL164D	0.472	1.000	1.000	6.000	1.260	1.250	-6°	-6°	
DCLNL204D	0.472	1.250	1.250	6.000	1.260	1.500	-6°	-6°	
DCLNL244D	0.472	1.500	1.500	6.000	1.260	2.000	-6°	-6°	
DCLNL165D	0.630	1.000	1.000	6.000	1.540	1.250	-6°	-6°	CN .. 54 . CN .. 1606 ..
DCLNL205D	0.630	1.250	1.250	6.000	1.540	1.500	-6°	-6°	
DCLNL245D	0.630	1.500	1.500	6.000	1.540	2.000	-6°	-6°	
DCLNL206D	0.748	1.250	1.250	6.000	1.700	1.500	-6°	-6°	CN .. 64 . CN .. 1906 ..
DCLNL246D	0.748	1.500	1.500	6.000	1.700	2.000	-6°	-6°	

Dimensional drawing shows right-hand version.

Assembly parts

Type	CN .. 32 . CN .. 0903 .. 0.625–0.750	CN .. 43 . CN .. 1204 .. 0.625	CN .. 43 . CN .. 1204 .. 0.750–1.500	CN .. 54 . CN .. 1606 .. 1.000–1.500	CN .. 64 . CN .. 1906 .. 1.250–1.500
Shim	AP414-CN09	AP354-CN12	AP301-CN12	AP302-CN16	AP303-CN19
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK240	PK241	PK241	PK242	PK243
Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS1469	FS1470	FS1470	FS1471	FS1471
Pin	RS116	RS117	RS117	RS117	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)

Accessories

	Type	CN .. 32 . CN .. 0903 ..	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..	CN .. 54 . CN .. 1906 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET	PK242-SET	PK243-SET
	Insert with hole Carbide clamp set		PK245-SET	PK246-SET	
	Insert with hole Carbide clamp set		PK254-SET		
	Shim for CN .. 1207 .. CN..1207..		AP411-CN1207		

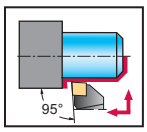
Shank tool – Rigid clamping

DCLN...-P mm

Walter Turn

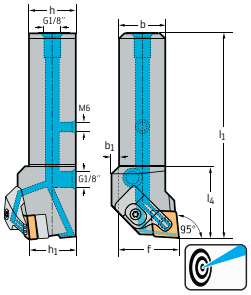


– Precision cooling





Tool



Square shank

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DCLNR2020X12-P	12	20	20	115	38.5	25	-6°	-6°	CN .. 1204 ..
DCLNR2525X12-P	12	25	25	130	38.5	32	-6°	-6°	
DCLNR2525X16-P	16	25	25	135	43.5	32	-6°	-6°	CN .. 1606 ..
DCLNR3232X16-P	16	32	32	147	43.5	40	-5.5°	-6°	
DCLNL2020X12-P	12	20	20	115	38.5	25	-6°	-6°	CN .. 1204 ..
DCLNL2525X12-P	12	25	25	130	38.5	32	-6°	-6°	
DCLNL2525X16-P	16	25	25	135	43.5	32	-6°	-6°	CN .. 1606 ..
DCLNL3232X16-P	16	32	32	147	43.5	40	-5.5°	-6°	

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)

Assembly parts

Type	CN .. 1204 .. 20–25	CN .. 1606 .. 25–32
Shim	AP301-CN12	AP302-CN16
Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm
Left clamp	PK265L	PK267
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm
Pressure spring	FS2188	FS2298
G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
M6 threaded plug	FS2288 (SW 3)	FS2288 (SW 3)
Torx key	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

Type	CN .. 1204 ..	CN .. 1606 ..
(standard assembly parts) Left clamp set	PK265L-SET	PK267-SET

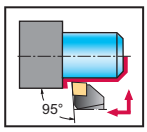
Shank tool – Rigid clamping

DCLN...-P inch

Walter Turn

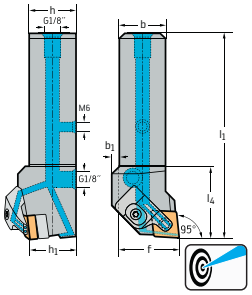


– Precision cooling





Tool

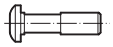
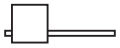


Square shank

Designation		h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DCLNR124B-P	0.472	0.750	0.750	4.500	1.575	1.000	-6°	-6°	CN .. 43 . CN .. 1204 ..
DCLNR164D-P	0.472	1.000	1.000	6.000	1.516	1.250	-6°	-6°	
DCLNR165D-P	0.630	1.000	1.000	6.000	1.713	1.250	-6°	-6°	CN .. 54 . CN .. 1606 ..
DCLNL124B-P	0.472	0.750	0.750	4.500	1.575	1.000	-6°	-6°	CN .. 43 . CN .. 1204 ..
DCLNL164D-P	0.472	1.000	1.000	6.000	1.516	1.250	-6°	-6°	
DCLNL165D-P	0.630	1.000	1.000	6.000	1.713	1.250	-6°	-6°	CN .. 54 . CN .. 1606 ..

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)

Assembly parts

Type	CN .. 43 . CN .. 1204 .. 0.750–1.000	CN .. 54 . CN .. 1606 .. 1.000
 Shim	AP301-CN12	AP302-CN16
 Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
 Left clamp	PK265L	PK267
 Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
 Pressure spring	FS2188	FS2298
 G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
 M6 threaded plug	FS2288 (SW 3)	FS2288 (SW 3)
 Torx key	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

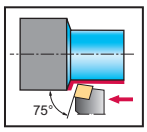
Type	CN .. 43 . CN .. 1204 ..	CN .. 64 . CN .. 1606 ..
 (standard assembly parts) Left clamp set	PK265L-SET	PK267-SET

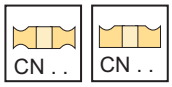
Shank tool – Rigid clamping

DCBN mm

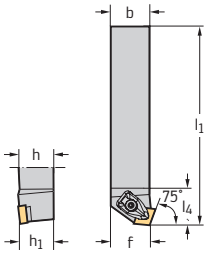
Walter Turn







Tool



Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
DCBNL2525M12	12	25	25	150	34.6	22	-6°	-6°	CN .. 1204 ..
DCBNR2525M12	12	25	25	150	34.6	22	-6°	-6°	
DCBNL3225P12	12	32	25	170	34.6	22	-6°	-6°	
DCBNR3225P12	12	32	25	170	34.6	22	-6°	-6°	
DCBNL2525M16	16	25	25	150	41.5	22	-6°	-6°	CN .. 1606 ..
DCBNR2525M16	16	25	25	150	41.5	22	-6°	-6°	
DCBNL3232P16	16	32	32	170	41.6	27	-6°	-6°	
DCBNR3232P16	16	32	32	170	41.6	27	-6°	-6°	
DCBNL3232P19	19	32	32	170	46.1	27	-6°	-6°	CN .. 1906 ..
DCBNR3232P19	19	32	32	170	46.1	27	-6°	-6°	

Assembly parts

	Type	CN .. 1204 .. 25–32	CN .. 1606 .. 25–32	CN .. 1906 .. 32
	Shim	AP301-CN12	AP302-CN16	AP303-CN19
	Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm	FS1463 (T20IP) 5 Nm
	Clamp	PK241	PK242	PK243
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm	FS1474 (T20IP) 6.4 Nm
	Pressure spring	FS1470	FS1471	FS1471
	Pin	RS117	RS117	RS117
	Torx key	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)

Accessories

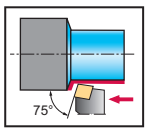
	Type	CN .. 1204 ..	CN .. 1606 ..	CN .. 1906 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET	
	Insert with hole Carbide clamp set	PK254-SET		
	Shim for CN .. 1207 ..	AP411-CN1207		

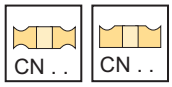
Shank tool – Rigid clamping

DCRN inch

Walter Turn







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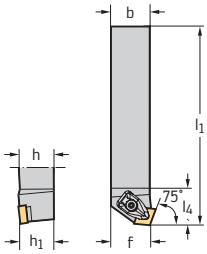


Square shank

Designation		h = h1 inch	b inch	l1 inch	l4 inch	f inch	γ	λs	Type
DCRNL164DM1	0.472	1.000	1.000	6.000	1.350	1.048	-6°	-6°	CN .. 43 . CN .. 1204 ..
DCRNR164DM1	0.472	1.000	1.000	6.000	1.350	1.048	-6°	-6°	
DCRNL205D	0.630	1.250	1.250	6.000	1.640	1.291	-6°	-6°	CN .. 54 . CN .. 1606 ..
DCRNR205D	0.630	1.250	1.250	6.000	1.640	1.291	-6°	-6°	
DCRNL206D	0.748	1.250	1.250	6.000	1.820	1.291	-6°	-6°	CN .. 64 . CN .. 1906 ..
DCRNR206D	0.748	1.250	1.250	6.000	1.820	1.291	-6°	-6°	

Assembly parts

Type	CN .. 43 . CN .. 1204 .. 1.000	CN .. 54 . CN .. 1606 .. 1.250	CN .. 64 . CN .. 1906 .. 1.250
Shim	AP301-CN12	AP302-CN16	AP303-CN19
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK241	PK242	PK243
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS1470	FS1471	FS1471
Pin	RS117	RS117	RS117
Torx key	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)

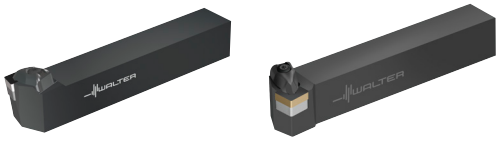
Accessories

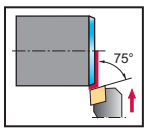
Type	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..	CN .. 64 . CN .. 1906 ..
(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET
Insert with hole Carbide clamp set	PK245-SET	PK246-SET	
Insert with hole Carbide clamp set	PK254-SET		
CN..1207.. Shim for basic shape	AP411-CN1207		

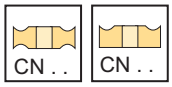
Shank tool – Rigid clamping

DCKN mm

Walter Turn







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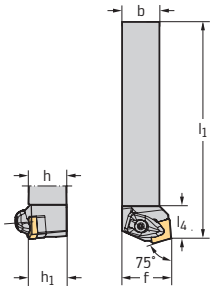


Square shank

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DCKNR2525M12	12	25	25	150	21.1	32	-6°	-6°	CN .. 1204 ..
DCKNR3225P12	12	32	25	170	21.1	32	-6°	-6°	
DCKNR3232P16	16	32	32	170	26	40	-6°	-6°	CN .. 1606 ..
DCKNL2525M12	12	25	25	150	21.1	32	-6°	-6°	CN .. 1204 ..
DCKNL3225P12	12	32	25	170	21.1	32	-6°	-6°	
DCKNL3232P16	16	32	32	170	26	40	-6°	-6°	CN .. 1606 ..

Dimensional drawing shows right-hand version.

Assembly parts

Type	CN .. 1204 .. 25–32	CN .. 1606 .. 32
Shim	AP301-CN12	AP302-CN16
Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm
Clamp	PK241	PK242
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm
Pressure spring	FS1470	FS1471
Pin	RS117	RS117
Torx key	FS1465 (T15IP)	FS1464 (T20IP)

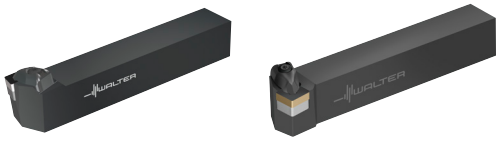
Accessories

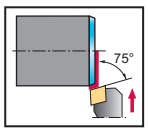
Type	CN .. 1204 ..	CN .. 1606 ..
(standard assembly parts) Clamp set	PK241-SET	PK242-SET
Insert with hole Carbide clamp set	PK245-SET	PK246-SET
Insert with hole Carbide clamp set	PK254-SET	
Shim for CN .. 1207 ..	AP411-CN1207	

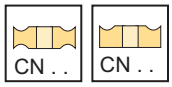
Shank tool – Rigid clamping

DCKN inch

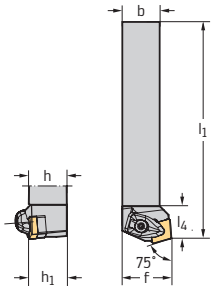
Walter Turn







Tool

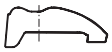
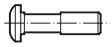
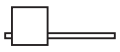


Square shank

Designation		h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DCKNR164D	0.472	1.000	1.000	6.000	0.837	1.250	-6°	-6°	CN .. 43 . CN .. 1204 ..
DCKNR205D	0.630	1.250	1.250	6.000	1.065	1.500	-6°	-6°	CN .. 54 . CN .. 1606 ..
DCKNL164D	0.472	1.000	1.000	6.000	0.837	1.250	-6°	-6°	CN .. 43 . CN .. 1204 ..
DCKNL205D	0.630	1.250	1.250	6.000	1.065	1.500	-6°	-6°	CN .. 54 . CN .. 1606 ..

Dimensional drawing shows right-hand version.

Assembly parts

	Type	CN .. 43 . CN .. 1204 .. 1.000	CN .. 54 . CN .. 1606 .. 1.250
	Shim	AP301-CN12	AP302-CN16
	Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
	Clamp	PK241	PK242
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
	Pressure spring	FS1470	FS1471
	Pin	RS117	RS117
	Torx key	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

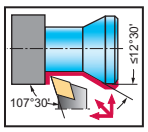
	Type	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET
	Insert with hole Carbide clamp set	PK254-SET	
	Shim for CN .. 1207 ..	AP411-CN1207	

Shank tool – Rigid clamping

DDHN mm

Walter Turn

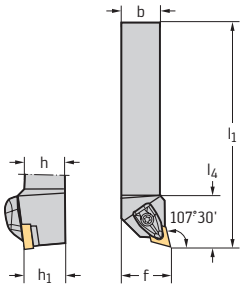






Tool

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DDHNL2020K15	15	20	20	125	36.1	25	-6°	-7°	DN .. 1506 ..
DDHNR2020K15	15	20	20	125	36.1	25	-6°	-7°	
DDHNL2525M15	15	25	25	150	36.1	32	-6°	-7°	
DDHNR2525M15	15	25	25	150	36.1	32	-6°	-7°	



Square shank

Assembly parts

Type	DN .. 1506 .. 20–25
Shim	AP304-DN15
Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm
Clamp	PK241
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
Pressure spring	FS1470
Pin	RS117
Torx key	FS1465 (T15IP)

Accessories

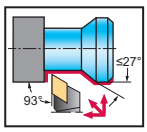
Type	DN .. 1506 ..
(standard assembly parts) Clamp set	PK241-SET
Insert without hole Carbide clamp set	PK245-SET
Insert without hole Carbide clamp set	PK254-SET
Shim for DN .. 1504 ..	AP304-DN1504
Shim for DN .. 1507 ..	AP412-DN1507

Shank tool – Rigid clamping

DDJN mm

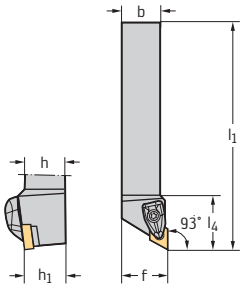
Walter Turn







Tool



Square shank

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DDJNL2020K11	11	20	20	125	30.2	25	-6°	-7°	DN .. 1104 ..
DDJNR2020K11	11	20	20	125	30.2	25	-6°	-7°	
DDJNL2525M11	11	25	25	150	30.2	32	-6°	-7°	
DDJNR2525M11	11	25	25	150	30.2	32	-6°	-7°	
DDJNL3225P11	11	32	25	170	30.2	32	-6°	-7°	
DDJNR3225P11	11	32	25	170	30.2	32	-6°	-7°	
DDJNL2020K15	15	20	20	125	39.4	25	-6°	-7°	DN .. 1506 ..
DDJNR2020K15	15	20	20	125	39.4	25	-6°	-7°	
DDJNL2525M15	15	25	25	150	39.4	32	-6°	-7°	
DDJNR2525M15	15	25	25	150	39.4	32	-6°	-7°	
DDJNL3225P15	15	32	25	170	39.4	32	-6°	-7°	
DDJNR3225P15	15	32	25	170	39.4	32	-6°	-7°	
DDJNL3232P15	15	32	32	170	39.4	40	-6°	-7°	
DDJNR3232P15	15	32	32	170	39.4	40	-6°	-7°	

Assembly parts

Type	DN .. 1104 .. 20–32	DN .. 1506 .. 20–32
Shim	AP305-DN11	AP304-DN15
Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm	FS1461 (T15IP) 2.5 Nm
Clamp	PK240	PK241
Screw for clamp Tightening torque	FS1472 (T9IP) 1.7 Nm	FS1473 (T15IP) 3.9 Nm
Pressure spring	FS1469	FS1470
Pin	RS116	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

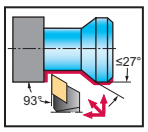
Type	DN .. 1104 ..	DN .. 1506 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET
Insert without hole Carbide clamp set		PK245-SET
Insert without hole Carbide clamp set		PK254-SET
Shim for DN .. 1504 ..		AP304-DN1504
Shim for DN .. 1507 ..		AP412-DN1507

Shank tool – Rigid clamping

DDJN inch

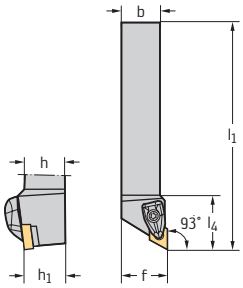
Walter Turn







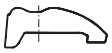
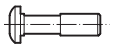
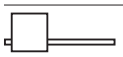
Tool



Square shank

Designation		h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DDJNL103A	0.433	0.625	0.625	4.000	1.195	0.875	-6°	-7°	DN .. 33 . DN .. 1104 ..
DDJNR103A	0.433	0.625	0.625	4.000	1.195	0.875	-6°	-7°	
DDJNL123C	0.433	0.750	0.750	5.000	1.190	1.000	-6°	-7°	
DDJNR123C	0.433	0.750	0.750	5.000	1.190	1.000	-6°	-7°	
DDJNR163D	0.433	1.000	1.000	6.000	1.190	1.250	-6°	-7°	
DDJNL124B	0.591	0.750	0.750	4.500	1.450	1.000	-6°	-7°	DN .. 43 . DN .. 1504 ..
DDJNR124B	0.591	0.750	0.750	4.500	1.450	1.000	-6°	-7°	
DDJNL164C	0.591	1.000	1.000	5.000	1.550	1.250	-6°	-7°	
DDJNR164C	0.591	1.000	1.000	5.000	1.550	1.250	-6°	-7°	
DDJNL204D	0.591	1.250	1.250	6.000	1.550	1.500	-6°	-7°	
DDJNR204D	0.591	1.250	1.250	6.000	1.550	1.500	-6°	-7°	
DDJNL244D	0.591	1.500	1.500	6.000	1.550	2.000	-6°	-7°	
DDJNR244D	0.591	1.500	1.500	6.000	1.550	2.000	-6°	-7°	

Assembly parts

	Type	DN .. 33 . DN .. 1104 .. 0.625–1.000	DN .. 43 . DN .. 1504 .. 0.750–1.500
	Shim	AP305-DN11	AP304-DN15
	Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs
	Clamp	PK240	PK241
	Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS1469	FS1470
	Pin	RS116	RS117
	Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

	Type	DN .. 33 . DN .. 1104 ..	DN .. 43 . DN .. 1504 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET
	Insert with hole Carbide clamp set		PK245-SET
	Insert with hole Carbide clamp set		PK254-SET
	Shim for DN .. 1504 ..		AP304-DN1504
	Shim for DN .. 1506 ..		AP304-DN15
	Shim for DN .. 1507 ..		AP412-DN1507

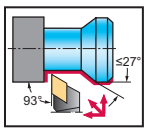
Shank tool – Rigid clamping

DDJN...-P mm

Walter Turn

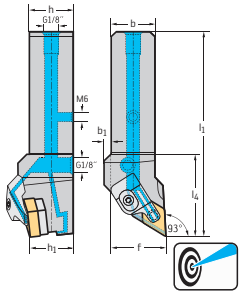


– Precision cooling





Tool

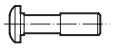
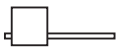


Square shank

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DDJNR2020X11-P	11	20	20	125	48.5	25	-6°	-7°	DN .. 1104 ..
DDJNR2525X11-P	11	25	25	140	48.5	32	-6°	-7°	
DDJNR2020X15-P	15	20	20	125	48.5	25	-6°	-7°	DN .. 1506 ..
DDJNR2525X15-P	15	25	25	140	48.5	32	-6°	-7°	
DDJNL2020X11-P	11	20	20	125	48.5	25	-6°	-7°	DN .. 1104 ..
DDJNL2525X11-P	11	25	25	140	48.5	32	-6°	-7°	
DDJNL2020X15-P	15	20	20	125	48.5	25	-6°	-7°	DN .. 1506 ..
DDJNL2525X15-P	15	25	25	140	48.5	32	-6°	-7°	

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread. see „Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)

Assembly parts

	Type	DN .. 1104 .. 20–25	DN .. 1506 .. 20–25
	Shim	AP305-DN11	AP304-DN15
	Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm	FS1461 (T15IP) 2.5 Nm
	Left clamp	PK261L	PK265L
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS2188	FS2188
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

	Type	DN .. 1104 ..	DN .. 1506 ..
	(standard assembly parts) Left clamp set	PK261L-SET	PK265L-SET
	Shim for DN .. 1504 ..		AP304-DN1504

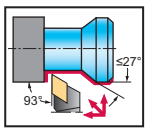
Shank tool – Rigid clamping

DDJN...-P inch

Walter Turn

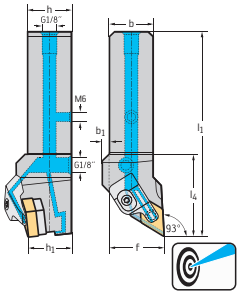


– Precision cooling





Tool

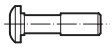
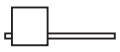


Square shank

Designation		h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DDJNR163D-P	0.433	1.000	1.000	6.000	1.909	1.250	-6°	-7°	DN .. 33 . DN .. 1104 ..
DDJNR124B-P	0.591	0.750	0.750	4.500	1.969	1.000	-6°	-7°	DN .. 43 . DN .. 1504 ..
DDJNR164D-P	0.591	1.000	1.000	6.000	1.909	1.250	-6°	-7°	
DDJNL163D-P	0.433	1.000	1.000	6.000	1.909	1.250	-6°	-7°	DN .. 33 . DN .. 1104 ..
DDJNL124B-P	0.591	0.750	0.750	4.500	1.969	1.000	-6°	-7°	DN .. 43 . DN .. 1504 ..
DDJNL164D-P	0.591	1.000	1.000	6.000	1.909	1.250	-6°	-7°	

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)

Assembly parts

	Type	DN .. 33 . DN .. 1104 .. 1.000	DN .. 43 . DN .. 1504 .. 0.750–1.000
	Shim	AP305-DN11	AP304-DN1504
	Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs
	Left clamp	PK261L	PK265L
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS2188	FS2188
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

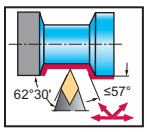
	Type	DN .. 33 . DN .. 1104 ..	DN .. 43 . DN .. 1504 ..
	(standard assembly parts) Left clamp set	PK261L-SET	PK265L-SET
	Shim for DN . . 1506 . .		AP304-DN15

Shank tool – Rigid clamping

DDNN mm

Walter Turn

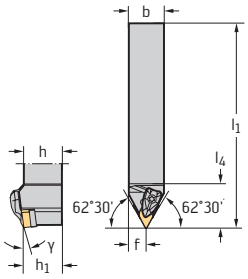






Tool

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DDNNN2020K11	11	20	20	125	31.2	10	-5°	-9°	DN .. 1104 ..
DDNNN2525M11	11	25	25	150	31.2	13	-5°	-9°	
DDNNN2525M15	15	25	25	150	40.8	13	-5°	-9°	DN .. 1506 ..
DDNNN3225P15	15	32	25	170	40.8	13	-5°	-9°	



Square shank

Assembly parts

Type	DN .. 1104 .. 20–25	DN .. 1506 .. 25–32
Shim	AP305-DN11	AP304-DN15
Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm	FS1461 (T15IP) 2.5 Nm
Clamp	PK240	PK241
Screw for clamp Tightening torque	FS1472 (T9IP) 1.7 Nm	FS1473 (T15IP) 3.9 Nm
Pressure spring	FS1469	FS1470
Pin	RS116	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

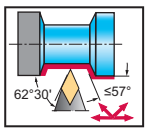
Type	DN .. 1104 ..	DN .. 1506 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET
Insert without hole Carbide clamp set		PK245-SET
Insert without hole Carbide clamp set		PK254-SET
Shim for DN .. 1504 ..		AP304-DN1504
Shim for DN .. 1507 ..		AP412-DN1507

Shank tool – Rigid clamping

DDPN inch

Walter Turn

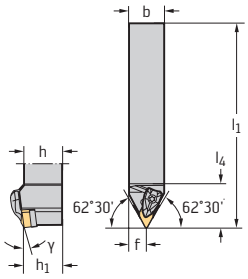




DN . . DN . .

Tool

Designation	h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DDPNN124B	0.591	0.750	0.750	4.500	1.610	0.375	-5°	-9°	DN .. 43 . DN .. 1504 ..
DDPNN164D	0.591	1.000	1.000	6.000	1.610	0.500	-5°	-9°	
DDPNN204D	0.591	1.250	1.250	6.000	1.610	0.625	-5°	-9°	



Square shank

Assembly parts

Type	DN .. 43 . DN .. 1504 .. 0.750–1.250
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs
Clamp	PK241
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
Pressure spring	FS1470
Pin	RS117
Torx key	FS1465 (T15IP)

Accessories

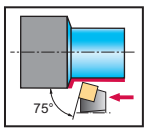
Type	DN .. 43 . DN .. 1504 ..
(standard assembly parts) Clamp set	PK241-SET
Insert without hole Carbide clamp set	PK245-SET
Insert without hole Carbide clamp set	PK254-SET
Shim for DN .. 1504 ..	AP304-DN1504
Shim for DN .. 1507 ..	AP412-DN1507

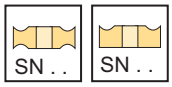
Shank tool – Rigid clamping

DSBN mm

Walter Turn







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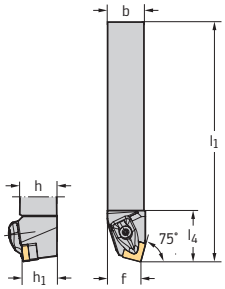


Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
DSBNL2525M12	12	25	25	150	34.3	22	-6°	-6°	SN .. 1204 ..
DSBNR2525M12	12	25	25	150	34.3	22	-6°	-6°	
DSBNL3225P12	12	32	25	170	34.3	22	-6°	-6°	
DSBNR3225P12	12	32	25	170	34.3	22	-6°	-6°	
DSBNL3232P15	15	32	32	170	41.5	27	-6°	-6°	SN .. 1506 ..
DSBNR3232P15	15	32	32	170	41.5	27	-6°	-6°	
DSBNL3232P19	19	32	32	170	46.4	27	-6°	-6°	SN .. 1906 ..
DSBNR3232P19	19	32	32	170	46.4	27	-6°	-6°	
DSBNL4040S19	19	40	40	250	46.5	35	-6°	-6°	
DSBNR4040S19	19	40	40	250	46.5	35	-6°	-6°	

Assembly parts

Type	SN .. 1204 .. 25–32	SN .. 1506 .. 32	SN .. 1906 .. 32–40
Shim	AP308-SN12	AP309-SN15	AP310-SN19
Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm	FS1463 (T20IP) 5 Nm
Clamp	PK241	PK242	PK243
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm	FS1474 (T20IP) 6.4 Nm
Pressure spring	FS1470	FS1471	FS1471
Pin	RS117	RS117	RS117
Torx key	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)

Accessories

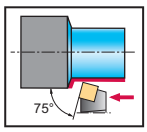
Type	SN .. 1204 ..	SN .. 1506 ..	SN .. 1906 ..
(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET
Insert with hole Carbide clamp set	PK245-SET	PK246-SET	
Insert with hole Carbide clamp set	PK254-SET		
Shim for SN .. 1207 ..	AP413-SN1207		

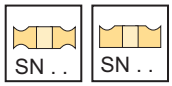
Shank tool – Rigid clamping

DSRN inch

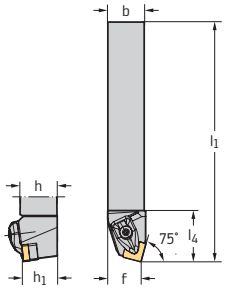
Walter Turn







Tool



Square shank

Designation		h = h1 inch	b inch	l1 inch	l4 inch	f inch	γ	λs	Type
DSRNL124BM1	0.472	0.750	0.750	4.500	1.350	0.855	-6°	-6°	SN .. 43 . SN .. 1204 ..
DSRNR124BM1	0.472	0.750	0.750	4.500	1.350	0.855	-6°	-6°	
DSRNL164DM1	0.472	1.000	1.000	6.000	1.350	1.048	-6°	-6°	
DSRNR164DM1	0.472	1.000	1.000	6.000	1.350	1.048	-6°	-6°	
DSRNL165D	0.591	1.000	1.000	6.000	1.640	1.047	-6°	-6°	SN .. 54 . SN .. 1506 ..
DSRNR165D	0.591	1.000	1.000	6.000	1.640	1.047	-6°	-6°	
DSRNL205D	0.591	1.250	1.250	6.000	1.640	1.291	-6°	-6°	
DSRNR205D	0.591	1.250	1.250	6.000	1.640	1.291	-6°	-6°	
DSRNL248E	0.984	1.500	1.500	7.000	2.220	1.697	-6°	-6°	SN .. 85 . SN .. 2507 ..
DSRNR248E	0.984	1.500	1.500	7.000	2.220	1.697	-6°	-6°	

Assembly parts

	Type	SN .. 43 . SN .. 1204 .. 0.750–1.000	SN .. 54 . SN .. 1506 .. 1.000–1.250	SN .. 85 . SN .. 2507 .. 1.500
	Shim	AP308-SN12	AP309-SN15	AP351-SN25
	Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs	FS1589 (T25IP) 84 in lbs
	Clamp	PK241	PK242	PK301
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs	FS1591 (T25IP) 84 in lbs
	Pressure spring	FS1470	FS1471	FS1590
	Pin	RS117	RS117	RS117
	Torx key	FS1465 (T15IP)	FS1464 (T20IP)	FS1592 (T25IP)

Accessories

	Type	SN .. 43 . SN .. 1204 ..	SN .. 54 . SN .. 1506 ..	SN .. 85 . SN .. 2507 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK301-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET	
	Insert with hole Carbide clamp set	PK254-SET		
	Shim for SN .. 1207 ..	AP413-SN1207		

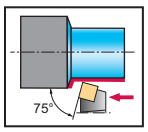
Shank tool – Rigid clamping

DSBN...-P mm

Walter Turn



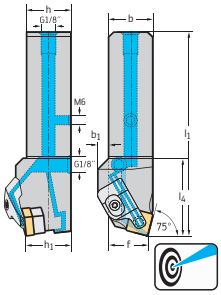
– Precision cooling





Tool

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DSBNR2525X12-P	12	25	25	135	43.5	22	-6°	-6°	SN .. 1204 ..
DSBNL2525X12-P	12	25	25	135	43.5	22	-6°	-6°	SN .. 1204 ..



Square shank

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)

Assembly parts

Type	SN .. 1204 .. 25
Shim	AP308-SN12
Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm
Left clamp	PK265L
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
Pressure spring	FS2188
G 1/8" threaded plug	FS2258 (SW 2)
M6 threaded plug	FS2288 (SW 3)
Torx key	FS1465 (T15IP)

Accessories

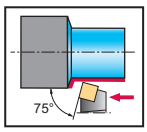
Type	SN .. 1204 ..
(standard assembly parts) Left clamp set	PK265L-SET

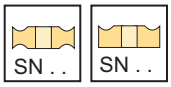
Shank tool – Lever clamping

PSBN mm

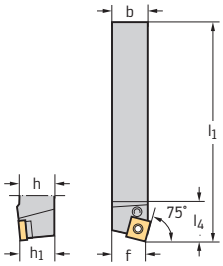
Walter Turn







Tool



Square shank

Designation		h = h1 mm	b mm	l4 mm	l1 mm	γ	λs	Type
PSBNL2020K12	12	20	20	27.5	125	-6°	-6°	SN .. 1204 ..
PSBNL2525M12	12	25	25	27.5	150	-6°	-6°	
PSBNL3225P12	12	32	25	27.5	170	-6°	-6°	
PSBNR2020K12	12	20	20	27.5	125	-6°	-6°	
PSBNR2525M12	12	25	25	27.5	150	-6°	-6°	
PSBNR3225P12	12	32	25	27.5	170	-6°	-6°	
PSBNL2525M15	15	25	25	32	150	-6°	-6°	SN .. 1506 ..
PSBNL3232P15	15	32	32	32	170	-6°	-6°	
PSBNR2525M15	15	25	25	32	150	-6°	-6°	
PSBNR3232P15	15	32	32	32	170	-6°	-6°	
PSBNL3232P19	19	32	32	39.2	170	-6°	-6°	SN .. 1906 ..
PSBNL4040S19	19	40	40	41.5	250	-6°	-6°	
PSBNR3232P19	19	32	32	39.2	170	-6°	-6°	
PSBNR4040S19	19	40	40	41.5	250	-6°	-6°	
PSBNL4040S25	25	40	40	47.5	250	-6°	-6°	SN .. 2507 ..
PSBNL5050T25	25	50	50	47.5	300	-6°	-6°	
PSBNR4040S25	25	40	40	47.5	250	-6°	-6°	
PSBNR5050T25	25	50	50	47.5	300	-6°	-6°	

Assembly parts

Type	SN .. 1204 .. 20–32	SN .. 1506 .. 25–32	SN .. 1906 .. 32–40	SN .. 2507 .. 40–50
Shim	AP141-SN1216	AP142-SN1524	AP143-SN1924	AP144-SN2524
Lever	KN102	KN104	KN106	KN107
Clamping screw Tightening torque	FS352 5 Nm	FS354 (SW 3) 5 Nm	FS356 10 Nm	FS357 14 Nm
Shim pin	RS102	RS103	RS104	RS105
Tapered assembly pin	MD101	MD102	MD102	MD103
Allen key	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-4 (SW 4)	
Allen key				ISO2936-5 (SW5)

Accessories

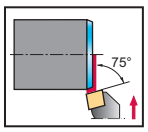
Type	SN .. 1204 ..	SN .. 1506 ..	SN .. 1906 ..	SN .. 2507 ..
Shim	AP141-SN1208	AP142-SN1516	AP143-SN1912	
Shim for SN .. 2509 ..				AP191-SN250924

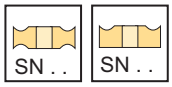
Shank tool – Rigid clamping

DSKN mm

Walter Turn







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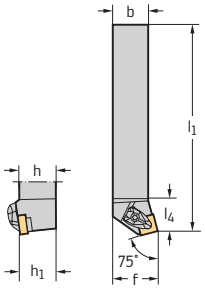


Square shank

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DSKNL2525M12	12	25	25	150	23.6	32	-6°	-6°	SN .. 1204 ..
DSKNR2525M12	12	25	25	150	23.6	32	-6°	-6°	
DSKNL3232P15	15	32	32	170	28.9	40	-6°	-6°	SN .. 1506 ..
DSKNR3232P15	15	32	32	170	28.9	40	-6°	-6°	

Assembly parts

	Type	SN .. 1204 .. 25	SN .. 1506 .. 32
	Shim	AP308-SN12	AP309-SN15
	Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm
	Clamp	PK241	PK242
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm
	Pressure spring	FS1470	FS1471
	Pin	RS117	RS117
	Torx key	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

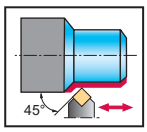
	Type	SN .. 1204 ..	SN .. 1506 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET
	Insert with hole Carbide clamp set	PK254-SET	
	Shim for SN .. 1207 ..	AP413-SN1207	

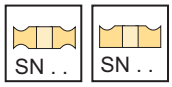
Shank tool – Rigid clamping

DSDN mm

Walter Turn







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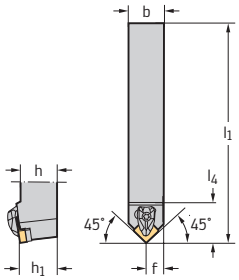


Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
DSDNN2020K12	12	20	20	125	36.5	10.3	-6°	-6°	SN .. 1204 ..
DSDNN2525M12	12	25	25	150	36.5	12.8	-6°	-6°	
DSDNN3225P12	12	32	25	170	36.5	12.8	-6°	-6°	
DSDNN2525M15	15	25	25	150	44.8	12.8	-6°	-6°	SN .. 1506 ..
DSDNN3225P19	19	32	25	170	49.5	13	-6°	-6°	SN .. 1906 ..

Assembly parts

	Type	SN .. 1204 .. 20–32	SN .. 1506 .. 25	SN .. 1906 .. 32
	Shim	AP308-SN12	AP309-SN15	AP310-SN19
	Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm	FS1463 (T20IP) 5 Nm
	Clamp	PK241	PK242	PK243
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm	FS1474 (T20IP) 6.4 Nm
	Pressure spring	FS1470	FS1471	FS1471
	Pin	RS117	RS117	RS117
	Torx key	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)

Accessories

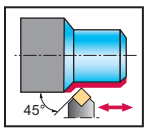
	Type	SN .. 1204 ..	SN .. 1506 ..	SN .. 1906 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET	
	Insert with hole Carbide clamp set	PK254-SET		
	Shim for SN .. 1207 ..	AP413-SN1207		

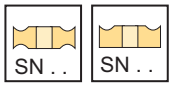
Shank tool – Rigid clamping

DSDN inch

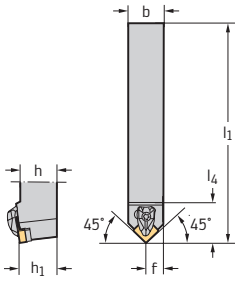
Walter Turn







Tool



Square shank

Designation		h = h1 inch	b inch	l1 inch	l4 inch	f inch	γ	λs	Type
DSDNN103A	0.354	0.625	0.625	4.000	1.106	0.326	-6°	-6°	SN .. 32 . SN .. 0903 ..
DSDNN124B	0.472	0.750	0.750	4.500	1.450	0.386	-6°	-6°	SN .. 43 . SN .. 1204 ..
DSDNN164D	0.472	1.000	1.000	6.000	1.450	0.512	-6°	-6°	
DSDNN204D	0.472	1.250	1.250	6.000	1.450	0.638	-6°	-6°	
DSDNN165D	0.591	1.000	1.000	6.000	1.760	0.520	-6°	-6°	SN .. 54 . SN .. 1506 ..
DSDNN205D	0.591	1.250	1.250	6.000	1.106	0.326	-6°	-6°	
DSDNN206D	0.748	1.250	1.250	6.000	1.969	0.646	-6°	-6°	SN .. 64 . SN .. 1906 ..
DSDNN248D	0.984	1.500	1.500	6.000	2.260	0.791	-6°	-6°	SN .. 85 . SN .. 2507 ..

Assembly parts

Type	SN .. 32 . SN .. 0903 .. 0.625	SN .. 43 . SN .. 1204 .. 0.750–1.250	SN .. 54 . SN .. 1506 .. 1.000–1.250	SN .. 64 . SN .. 1906 .. 1.250	SN .. 85 . SN .. 2507 .. 1.500
Shim	AP415-SN09	AP308-SN12	AP309-SN15	AP310-SN19	AP351-SN25
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs	FS1589 (T25IP) 84 in lbs
Clamp	PK240	PK241	PK242	PK243	PK301
Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs	FS1591 (T25IP) 84 in lbs
Pressure spring	FS1469	FS1470	FS1471	FS1471	FS1590
Pin	RS116	RS117	RS117	RS117	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)	FS1592 (T25IP)

Accessories

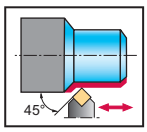
Type	SN .. 32 . SN .. 0903 ..	SN .. 43 . SN .. 1204 ..	SN .. 54 . SN .. 1506 ..	SN .. 64 . SN .. 1906 ..	SN .. 85 . SN .. 2507 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET	PK242-SET	PK243-SET	PK301-SET
Insert with hole Carbide clamp set		PK245-SET	PK246-SET		
Shim for SN .. 2509 ..					AP351-SN2509
Insert with hole Carbide clamp set		PK254-SET			
Shim for SN .. 1207 ..		AP413-SN1207			

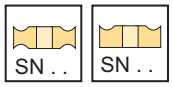
Shank tool – Lever clamping

PSDN mm

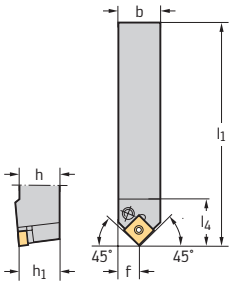
Walter Turn







Tool



Square shank

Designation		h = h1 mm	b mm	f mm	l4 mm	l1 mm	γ	λs	Type
PSDNN1212F09	9	12	12	6.3	20	80	-6°	-6°	SN .. 0903 ..
PSDNN1616H09	9	16	16	8.3	21	100	-6°	-6°	
PSDNN2020K12	12	20	20	10.3	27.6	125	-6°	-6°	SN .. 1204 ..
PSDNN2525M12	12	25	25	12.8	27.6	150	-6°	-6°	
PSDNN3225P12	12	32	25	12.8	27.6	170	-6°	-6°	
PSDNN3225P15	15	32	25	12.5	36	170	-6°	-6°	SN .. 1506 ..
PSDNN3232P19	19	32	32	16.3	40.4	170	-6°	-6°	SN .. 1906 ..
PSDNN4040S25	25	40	40	21	48.8	250	-6°	-6°	SN .. 2507 ..

Assembly parts

Type	SN .. 0903 .. 12	SN .. 0903 .. 16	SN .. 1204 .. 20–32	SN .. 1506 .. 32	SN .. 1906 .. 32	SN .. 2507 .. 40
Shim		AP409-SN0908	AP141-SN1216	AP142-SN1524	AP143-SN1924	AP144-SN2524
Lever	KN126	KN101	KN102	KN104	KN106	KN107
Clamping screw Tightening torque	FS2182 2 Nm	FS351 2 Nm	FS352 5 Nm	FS354 (SW 3) 5 Nm	FS356 10 Nm	FS357 14 Nm
Shim pin		RS120	RS102	RS103	RS104	RS105
Tapered assembly pin		MD101	MD101	MD102	MD102	MD103
Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-4 (SW 4)	ISO2936-5 (SW5)

Accessories

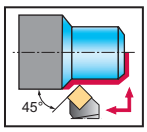
Type	SN .. 0903 ..	SN .. 1204 ..	SN .. 1506 ..	SN .. 1906 ..	SN .. 2507 ..
Shim		AP141-SN1208	AP142-SN1516	AP143-SN1912	AP191-SN250924

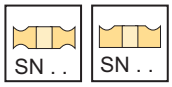
Shank tool – Rigid clamping

DSSN mm

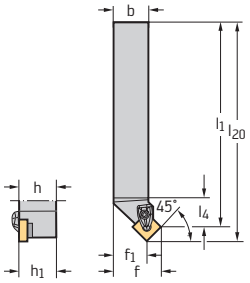
Walter Turn







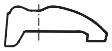
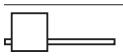
Tool



Square shank

Designation		h = h_1 mm	b mm	f mm	f_1 mm	l_1 mm	l_4 mm	l_{20} mm	γ	λ_s	Type
DSSNL2020K12	12	20	20	25	16.7	125	27.5	133.3	-8°	0°	SN .. 1204 ..
DSSNR2020K12	12	20	20	25	16.7	125	27.5	133.3	-8°	0°	
DSSNL2525M12	12	25	25	32	23.7	150	27.5	158.3	-8°	0°	
DSSNR2525M12	12	25	25	32	23.7	150	27.5	158.3	-8°	0°	
DSSNR3225P12	12	32	25	32	23.7	170	27.5	178.3	-8°	0°	
DSSNL3225P12	12	32	25	32	23.7	170	27.9	178.3	-8°	0°	
DSSNL2525M15	15	25	25	32	21.8	150	32	160.2	-8°	0°	SN .. 1506 ..
DSSNR2525M15	15	25	25	32	21.8	150	32	160.2	-8°	0°	
DSSNL3225P15	15	32	25	32	21.8	170	32	180.2	-8°	0°	
DSSNR3225P15	15	32	25	32	21.8	170	32	180.2	-8°	0°	
DSSNL3232P15	15	32	32	40	29.8	170	32	180.2	-8°	0°	
DSSNR3232P15	15	32	32	40	29.8	170	32	180.2	-8°	0°	
DSSNL3232P19	19	32	32	40	27.5	170	37	182.5	-8°	0°	SN .. 1906 ..
DSSNR3232P19	19	32	32	40	27.5	170	37	182.5	-8°	0°	

Assembly parts

	Type	SN .. 1204 .. 20–32	SN .. 1506 .. 25–32	SN .. 1906 .. 32
	Shim	AP308-SN12	AP309-SN15	AP310-SN19
	Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm	FS1463 (T20IP) 5 Nm
	Clamp	PK241	PK242	PK243
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm	FS1474 (T20IP) 6.4 Nm
	Pressure spring	FS1470	FS1471	FS1471
	Pin	RS117	RS117	RS117
	Torx key	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)

Accessories

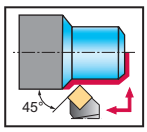
	Type	SN .. 1204 ..	SN .. 1506 ..	SN .. 1906 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET	
	Insert with hole Carbide clamp set	PK254-SET		
	Shim for SN .. 1207 ..	AP413-SN1207		

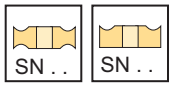
Shank tool – Rigid clamping

DSSN inch

Walter Turn

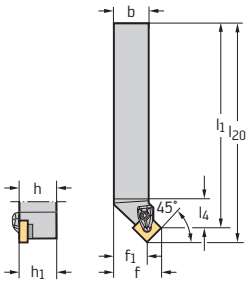






Tool

Designation	⌀	h = h_1 inch	b inch	f inch	f_1 inch	l_1 inch	l_4 inch	l_{20} inch	γ	λ_s	Type
DSSNL164D	0.472	1.000	1.000	1.250	0.922	6.000	0.748	6.328	-8°	0°	SN .. 43 . SN .. 1204 ..
DSSNR164D	0.472	1.000	1.000	1.250	0.922	6.000	0.748	6.328	-8°	0°	
DSSNL165D	0.591	1.000	1.000	1.250	0.847	6.000	0.898	6.403	-8°	0°	SN .. 54 . SN .. 1506 ..
DSSNR165D	0.591	1.000	1.000	1.250	0.847	6.000	0.898	6.403	-8°	0°	



Square shank

Assembly parts

Type	SN .. 43 . SN .. 1204 .. 1.000	SN .. 54 . SN .. 1506 .. 1.000
Shim	AP308-SN12	AP309-SN15
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK241	PK242
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS1470	FS1471
Pin	RS117	RS117
Torx key	FS1465 (T15IP)	FS1464 (T20IP)

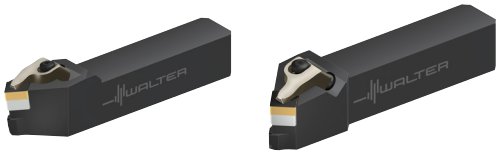
Accessories

Type	SN .. 43 . SN .. 1204 ..	SN .. 54 . SN .. 1506 ..
(standard assembly parts) Clamp set	PK241-SET	PK242-SET
Insert with hole Carbide clamp set	PK245-SET	PK246-SET
Insert with hole Carbide clamp set	PK254-SET	
Shim for SN .. 1207 ..	AP413-SN1207	

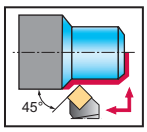
Shank tool – Rigid clamping

DSSN...-P mm

Walter Turn

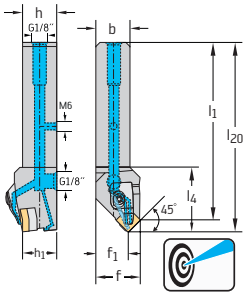


– Precision cooling





Tool



Square shank

Designation		h = h_1 mm	b mm	f mm	f_1 mm	l_1 mm	l_4 mm	l_{20} mm	γ	λ_s	Type
DSSNR2525X12-P	12	25	25	32	23.7	130	48	138.7	-8°	0°	SN .. 1204 ..
DSSNL2525X12-P	12	25	25	32	23.7	130	48	138.7	-8°	0°	SN .. 1204 ..

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)

Assembly parts

	Type	SN .. 1204 .. 25
	Shim	AP308-SN12
	Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm
	Left clamp	PK265L
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS2188
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)

Accessories

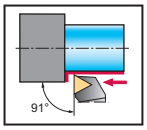
	Type	SN .. 1204 ..
	(standard assembly parts) Left clamp set	PK265L-SET

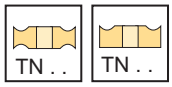
Shank tool – Rigid clamping

DTGN mm

Walter Turn







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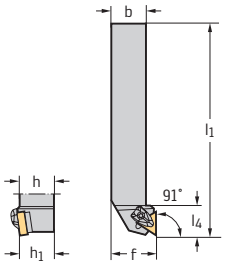


Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
DTGNL2020K16	16	20	20	125	25.4	25	-6°	-6°	TN .. 1604 ..
DTGNR2020K16	16	20	20	125	25.4	25	-6°	-6°	
DTGNL2525M16	16	25	25	150	24.6	32	-6°	-6°	
DTGNR2525M16	16	25	25	150	24.6	32	-6°	-6°	
DTGNL3225P16	16	32	25	170	25.3	32	-6°	-6°	
DTGNR3225P16	16	32	25	170	25.3	32	-6°	-6°	
DTGNL2525M22	22	25	25	150	32.1	32	-6°	-6°	TN .. 2204 ..
DTGNR2525M22	22	25	25	150	32.1	32	-6°	-6°	

Assembly parts

Type	TN .. 1604 .. 20–32	TN .. 2204 .. 25
Shim	AP321-TN16	AP322-TN22
Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm	FS1461 (T15IP) 2.5 Nm
Clamp	PK240	PK241
Screw for clamp Tightening torque	FS1472 (T9IP) 1.7 Nm	FS1473 (T15IP) 3.9 Nm
Pressure spring	FS1469	FS1470
Pin	RS116	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

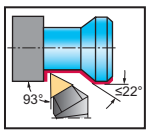
Type	TN .. 1604 ..	TN .. 2204 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET
Insert without hole Carbide clamp set		PK245-SET
Insert without hole Carbide clamp set		PK254-SET

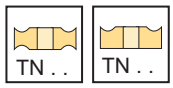
Shank tool – Rigid clamping

DTJN inch

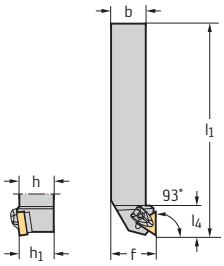
Walter Turn





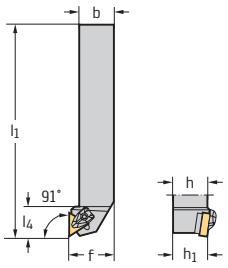


Tool



Square shank

Designation		h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DTJNR123B	0.630	0.750	0.750	4.500	0.953	1.000	-6°	-6°	TN .. 33 . TN .. 1604 ..
DTJNR163D	0.630	1.000	1.000	6.000	0.980	1.250	-6°	-6°	
DTJNR164D	0.866	1.000	1.000	6.000	1.283	1.250	-6°	-6°	TN .. 43 . TN .. 2204 ..
DTJNR205D	1.063	1.250	1.250	6.000	1.566	1.500	-6°	-6°	TN .. 54 . TN .. 2706 ..



Square shank

Designation		h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DTJNL123B	0.630	0.750	0.750	4.500	0.953	1.000	-6°	-6°	TN .. 33 . TN .. 1604 ..
DTJNL163D	0.630	1.000	1.000	6.000	0.980	1.250	-6°	-6°	
DTJNL164D	0.866	1.000	1.000	6.000	1.283	1.250	-6°	-6°	TN .. 43 . TN .. 2204 ..
DTJNL205D	1.063	1.250	1.250	6.000	1.566	1.500	-6°	-6°	TN .. 54 . TN .. 2706 ..

Assembly parts

	Type	TN .. 33 . TN .. 1604 .. 0.750–1.000	TN .. 43 . TN .. 2204 .. 1.000	TN .. 54 . TN .. 2706 .. 1.250
	Shim	AP321-TN16	AP322-TN22	AP323-TN27
	Screw for shim		FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
	Clamping screw Tightening torque	FS1462 (T9IP) 1.5 Nm		
	Clamp	PK240	PK241	PK242
	Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
	Pressure spring	FS1469	FS1470	FS1471
	Pin	RS116	RS117	RS117
	Torx key	FS1466 (T9IP)	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

	Type	TN .. 33 . TN .. 1604 ..	TN .. 43 . TN .. 2204 ..	TN .. 54 . TN .. 2706 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET	PK242-SET

Accessories

	Type	TN .. 33 . TN .. 1604 ..	TN .. 43 . TN .. 2204 ..	TN .. 54 . TN .. 2706 ..
	Insert with hole Carbide clamp set		PK245-SET	
	Insert with hole Carbide clamp set		PK254-SET	

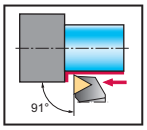
Shank tool – Rigid clamping

DTGN...-P mm

Walter Turn

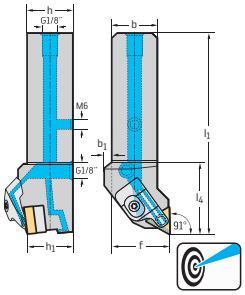


– Precision cooling





Tool



Square shank

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DTGNR2020X16-P	16	20	20	115	38.5	25	-6°	-6°	TN .. 1604 ..
DTGNR2525X16-P	16	25	25	130	38.5	32	-6°	-6°	
DTGNL2020X16-P	16	20	20	115	38.5	25	-6°	-6°	TN .. 1604 ..
DTGNL2525X16-P	16	25	25	130	38.5	32	-6°	-6°	

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)

Assembly parts

Type	TN .. 1604 .. 20–25
Shim	AP321-TN16
Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm
Left clamp	PK261L
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
Pressure spring	FS2188
G 1/8" threaded plug	FS2258 (SW 2)
M6 threaded plug	FS2288 (SW 3)
Torx key	FS1465 (T15IP)

Accessories

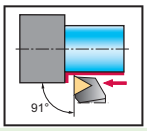
Type	TN .. 1604 ..
(standard assembly parts) Left clamp set	PK261L-SET

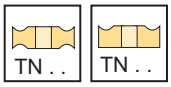
Shank tool – Lever clamping

PTGN mm

Walter Turn







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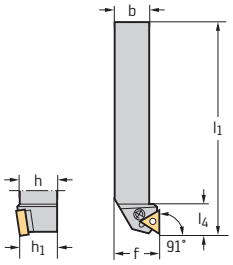


Square shank

Designation		h = h1 mm	b mm	f mm	l4 mm	l1 mm	γ	λs	Type
PTGNL1616H16	16	16	16	20	20.2	100	-6°	-6°	TN .. 1604 ..
PTGNL2525M16	16	25	25	32	22.2	150	-6°	-6°	
PTGNL3225P16	16	32	25	32	22.2	170	-6°	-6°	
PTGNR1616H16	16	16	16	20	20.2	100	-6°	-6°	

Assembly parts

Type	TN .. 1604 .. 16–32
Shim	AP137-TN1616
Lever	KN101
Clamping screw Tightening torque	FS351 2 Nm
Shim pin	RS101
Tapered assembly pin	MD101
Allen key	ISO2936-2.5 (SW 2.5)

Accessories

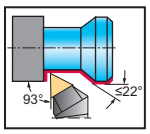
Type	TN .. 1604 ..
Shim	AP137-TN1608

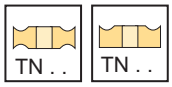
Shank tool – Wedge clamping

MTJN mm

Walter Turn







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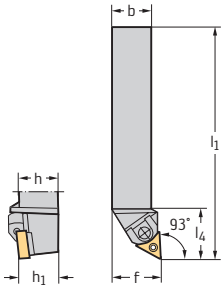


Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
MTJNL2020K16	16	20	20	125	30.8	25	-6°	-6°	TN .. 1604 ..
MTJNR2020K16	16	20	20	125	30.8	25	-6°	-6°	
MTJNL2525M16	16	25	25	150	30.8	32	-6°	-6°	
MTJNR2525M16	16	25	25	150	30.8	32	-6°	-6°	
MTJNL3225P16	16	32	25	170	30.8	32	-6°	-6°	
MTJNR3225P16	16	32	25	170	30.8	32	-6°	-6°	
MTJNL2525M22	22	25	25	150	34.8	32	-6°	-6°	TN .. 2204 ..
MTJNR2525M22	22	25	25	150	34.8	32	-6°	-6°	
MTJNL3225P22	22	32	25	170	34.8	32	-6°	-6°	
MTJNR3225P22	22	32	25	170	34.8	32	-6°	-6°	

Assembly parts

	Type	TN .. 1604 .. 20–32	TN .. 2204 .. 25–32
	Shim	AP147	
	Clamping wedge set	FK303	
	Shim		AP148
	Clamping wedge set		FK304
	Pin	RS106	
	Clamping screw Tightening torque	FS358 (SW 3) 5 Nm	FS358 (SW 3) 5 Nm
	Pin		RS107
	Allen key	ISO2936-2.5 (SW 2.5)	
	Allen key		ISO2936-3 (SW 3.5)

Accessories

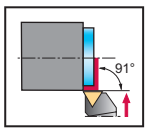
	Type	TN .. 1604 ..	TN .. 2204 ..
	Shim		AP149

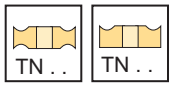
Shank tool – Lever clamping

PTFN mm

Walter Turn

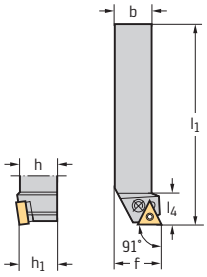






Tool

Designation	h = h_1 mm	b mm	f mm	l_4 mm	l_1 mm	γ	λ_s	Type
PTFNL2525M16	16	25	25	32	20.2	150	-6°	-6°	TN .. 1604 ..
PTFNL3225P16	16	32	25	32	20	170	-6°	-6°	



Square shank

Assembly parts

Type	TN .. 1604 .. 25–32
Shim	AP137-TN1616
Lever	KN101
Clamping screw Tightening torque	FS351 2 Nm
Shim pin	RS101
Tapered assembly pin	MD101
Allen key	ISO2936-2.5 (SW 2.5)

Accessories

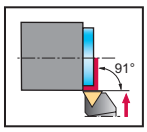
Type	TN .. 1604 ..
Shim	AP137-TN1608

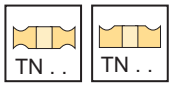
Shank tool – Rigid clamping

DTFN inch

Walter Turn







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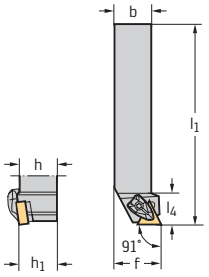


Square shank

Designation	h = h1 inch	b inch	l1 inch	l4 inch	f inch	γ	λs	Type
DTFNL164D	0.866	1.000	1.000	6.000	1.228	1.250	-6°	-6°	TN .. 43 . TN .. 2204 ..
DTFNR164D	0.866	1.000	1.000	6.000	1.228	1.250	-6°	-6°	

Assembly parts

Type	TN .. 43 . TN .. 2204 .. 1.000
Shim	AP322-TN22
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs
Clamp	PK241
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
Pressure spring	FS1470
Pin	RS117
Torx key	FS1465 (T15IP)

Accessories

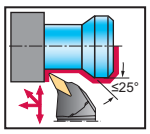
Type	TN .. 43 . TN .. 2204 ..
(standard assembly parts) Clamp set	PK241-SET
Insert without hole Carbide clamp set	PK245-SET
Insert without hole Carbide clamp set	PK254-SET

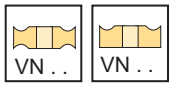
Shank tool – Rigid clamping

DVTN inch

Walter Turn

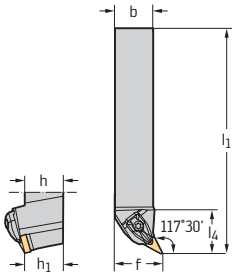






Tool

Designation	h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DVTNL123B	0.630	0.750	0.750	4.500	1.543	1.000	-4°	-13°	VN .. 33 . VN .. 1604 ..
DVTNR123B	0.630	0.750	0.750	4.500	1.543	1.000	-4°	-13°	
DVTNL163D	0.630	1.000	1.000	6.000	1.544	1.250	-4°	-13°	
DVTNR163D	0.630	1.000	1.000	6.000	1.544	1.250	-4°	-13°	
DVTNL203D	0.630	1.250	1.250	6.000	1.544	1.500	-4°	-13°	
DVTNR203D	0.630	1.250	1.250	6.000	1.544	1.500	-4°	-13°	



Square shank

Assembly parts

Type	VN .. 33 . VN .. 1604 .. 0.750–1.250
Shim	AP312-VN16
Screw for shim Tightening torque	FS1467 (T15IP) 27 in lbs
Clamp	PK244
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
Pressure spring	FS1470
Pin	RS117
Torx key	FS1465 (T15IP)

Accessories

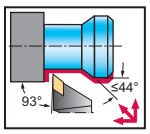
Type	VN .. 33 . VN .. 1604 ..
(standard assembly parts) Clamp set	PK244-SET

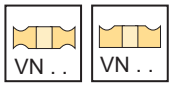
Shank tool – Rigid clamping

DVJN mm

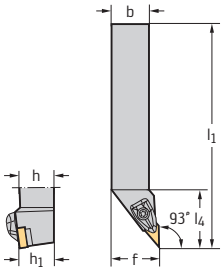
Walter Turn







Tool



Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
DVJNL2020K16	16	20	20	125	46.6	25	-4°	-13°	VN .. 1604 ..
DVJNR2020K16	16	20	20	125	46.6	25	-4°	-13°	
DVJNL2525M16	16	25	25	150	46.6	32	-4°	-13°	
DVJNR2525M16	16	25	25	150	46.6	32	-4°	-13°	
DVJNL3225P16	16	32	25	170	46.6	32	-4°	-13°	
DVJNR3225P16	16	32	25	170	46.6	32	-4°	-13°	

Assembly parts

Type	VN .. 1604 .. 20–32
Shim	AP312-VN16
Screw for shim Tightening torque	FS1467 (T15IP) 3 Nm
Clamp	PK244
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
Pressure spring	FS1470
Pin	RS117
Torx key	FS1465 (T15IP)

Accessories

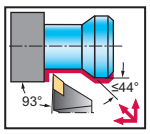
Type	VN .. 1604 ..
(standard assembly parts) Clamp set	PK244-SET

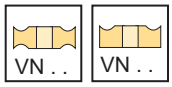
Shank tool – Rigid clamping

DVJN inch

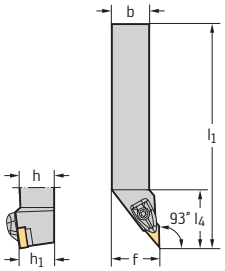
Walter Turn







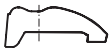
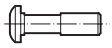
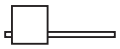
Tool



Square shank

Designation		h = h1 inch	b inch	l1 inch	l4 inch	f inch	γ	λs	Type
DVJNL123B	0.630	0.750	0.750	4.500	1.830	1.000	-4°	-13°	VN .. 33 . VN .. 1604 ..
DVJNR123B	0.630	0.750	0.750	4.500	1.830	1.000	-4°	-13°	
DVJNL163D	0.630	1.000	1.000	6.000	1.830	1.250	-4°	-13°	
DVJNR163D	0.630	1.000	1.000	6.000	1.830	1.250	-4°	-13°	
DVJNL203D	0.630	1.250	1.250	6.000	1.830	1.500	-4°	-13°	
DVJNR203D	0.630	1.250	1.250	6.000	1.830	1.500	-4°	-13°	

Assembly parts

	Type	VN .. 33 . VN .. 1604 .. 0.750–1.250
	Shim	AP312-VN16
	Screw for shim Tightening torque	FS1467 (T15IP) 27 in lbs
	Clamp	PK244
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS1470
	Pin	RS117
	Torx key	FS1465 (T15IP)

Accessories

	Type	VN .. 33 . VN .. 1604 ..
	(standard assembly parts) Clamp set	PK244-SET

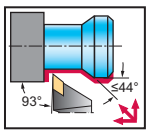
Shank tool – Rigid clamping

DVJN...-P mm

Walter Turn

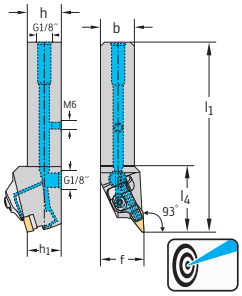


– Precision cooling





Tool

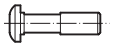
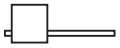


Square shank

Designation		h = h_1 mm	b mm	l_1 mm	l_4 mm	f mm	γ	λ_s	Type
DVJNR2020X16-P	16	20	20	125	48.5	25	-4°	-13°	VN .. 1604 ..
DVJNR2525X16-P	16	25	25	140	48	32	-4°	-13°	
DVJNL2020X16-P	16	20	20	125	48.5	25	-4°	-13°	VN .. 1604 ..
DVJNL2525X16-P	16	25	25	140	48	32	-4°	-13°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"

Assembly parts

	Type	VN .. 1604 .. 20–25
	Shim	AP312-VN16
	Screw for shim Tightening torque	FS1467 (T15IP) 3 Nm
	Left clamp	PK261L
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS2188
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)

Accessories

	Type	VN .. 1604 ..
	(standard assembly parts) Left clamp set	PK261L-SET

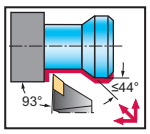
Shank tool – Rigid clamping

DVJN...-P inch

Walter Turn

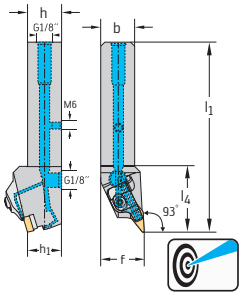


– Precision cooling





Tool

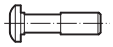
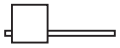


Square shank

Designation		h = h1 inch	b inch	l1 inch	l4 inch	f inch	γ	λs	Type
DVJNR123B-P	0.630	0.750	0.750	4.496	1.906	1.000	-4°	-13°	VN .. 33 . VN .. 1604 ..
DVJNR163D-P	0.630	1.000	1.000	5.996	1.906	1.250	-4°	-13°	
DVJNL123B-P	0.630	0.750	0.750	4.496	1.906	1.000	-4°	-13°	VN .. 33 . VN .. 1604 ..
DVJNL163D-P	0.630	1.000	1.000	5.996	1.906	1.250	-4°	-13°	

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)

Assembly parts

	Type	VN .. 33 . VN .. 1604 .. 0.750–1.000
	Shim	AP312-VN16
	Screw for shim Tightening torque	FS1467 (T15IP) 27 in lbs
	Left clamp	PK261L
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS2188
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)

Accessories

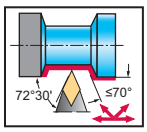
	Type	VN .. 33 . VN .. 1604 ..
	(standard assembly parts) Left clamp set	PK261L-SET

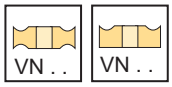
Shank tool – Rigid clamping

DVVN mm

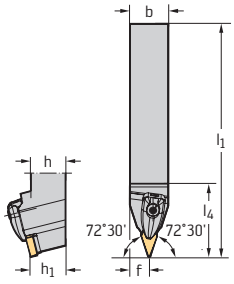
Walter Turn







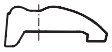
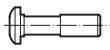
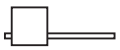
Tool



Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
DVVNN2020K16	16	20	20	125	47.8	10.6	-4°	-13°	VN .. 1604 ..
DVVNN2525M16	16	25	25	150	47.8	13.1	-4°	-13°	
DVVNN3225P16	16	32	25	170	47.8	13.1	-4°	-13°	

Assembly parts

	Type	VN .. 1604 .. 20–32
	Shim	AP312-VN16
	Screw for shim Tightening torque	FS1467 (T15IP) 3 Nm
	Clamp	PK244
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS1470
	Pin	RS117
	Torx key	FS1465 (T15IP)

Accessories

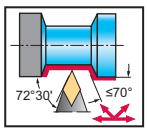
	Type	VN .. 1604 ..
	(standard assembly parts) Clamp set	PK244-SET

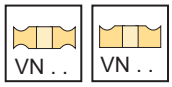
Shank tool – Rigid clamping

DVVN inch

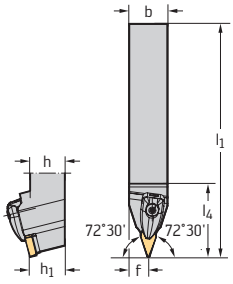
Walter Turn







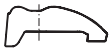
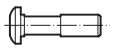
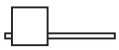
Tool



Square shank

Designation		h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DVVNN123B	0.630	0.750	0.750	4.500	1.880	0.398	-4°	-13°	VN .. 33 . VN .. 1604 ..
DVVNN163D	0.630	1.000	1.000	6.000	1.880	0.524	-4°	-13°	
DVVNN203D	0.630	1.250	1.250	6.000	1.880	0.650	-4°	-13°	

Assembly parts

	Type	VN .. 33 . VN .. 1604 .. 0.750–1.250
	Shim	AP312-VN16
	Screw for shim Tightening torque	FS1467 (T15IP) 27 in lbs
	Clamp	PK244
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS1470
	Pin	RS117
	Torx key	FS1465 (T15IP)

Accessories

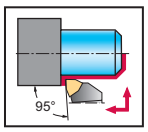
	Type	VN .. 33 . VN .. 1604 ..
	(standard assembly parts) Clamp set	PK244-SET

Shank tool – Rigid clamping

DWLN mm

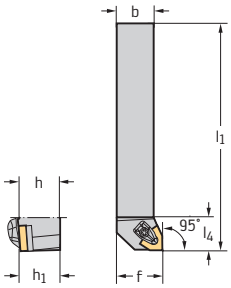
Walter Turn







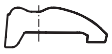
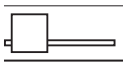
Tool



Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
DWLNL1616H06	6	16	16	100	26.4	20	-6°	-6°	WN .. 0604 ..
DWLNR1616H06	6	16	16	100	26.4	20	-6°	-6°	
DWLNL2020K06	6	20	20	125	27.1	25	-6°	-6°	
DWLNR2020K06	6	20	20	125	27.1	25	-6°	-6°	
DWLNL2525M06	6	25	25	150	27.1	32	-6°	-6°	
DWLNR2525M06	6	25	25	150	27.1	32	-6°	-6°	
DWLNL2020K08	8	20	20	125	34.3	25	-6°	-6°	WN .. 0804 ..
DWLNR2020K08	8	20	20	125	34.3	25	-6°	-6°	
DWLNL2525M08	8	25	25	150	35	32	-6°	-6°	
DWLNR2525M08	8	25	25	150	35	32	-6°	-6°	
DWLNL3225P08	8	32	25	170	35	32	-6°	-6°	
DWLNR3225P08	8	32	25	170	35	32	-6°	-6°	
DWLNL2525M10	10	25	25	150	40.3	32	-6°	-6°	WN .. 1006 ..
DWLNR2525M10	10	25	25	150	40.3	32	-6°	-6°	
DWLNL3225P10	10	32	25	170	40.3	32	-6°	-6°	
DWLNR3225P10	10	32	25	170	40.3	32	-6°	-6°	
DWLNL3232P10	10	32	32	170	41.8	40	-6°	-6°	
DWLNR3232P10	10	32	32	170	41.8	40	-6°	-6°	

Assembly parts

	Type	WN .. 0604 .. 16–25	WN .. 0804 .. 20–32	WN .. 1006 .. 25–32
	Shim	AP306-WN06	AP307-WN08	AP311-WN10
	Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm
	Clamp	PK240	PK241	PK242
	Screw for clamp Tightening torque	FS1472 (T9IP) 1.7 Nm	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm
	Pressure spring	FS1469	FS1470	FS1471
	Pin	RS116	RS117	RS117
	Torx key	FS1466 (T9IP)	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

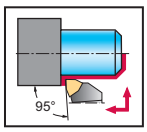
	Type	WN .. 0604 ..	WN .. 0804 ..	WN .. 1006 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET	PK242-SET
	Insert with hole Carbide clamp set		PK245-SET	PK246-SET
	Insert with hole Carbide clamp set		PK254-SET	

Shank tool – Rigid clamping

DWLN inch

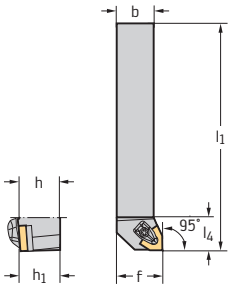
Walter Turn







Tool



Square shank

Designation		h = h1 inch	b inch	l1 inch	l4 inch	f inch	γ	λs	Type
DWLNL123C	0.236	0.750	0.750	5.000	1.950	1.000	-6°	-6°	WN .. 33 . WN .. 0604 ..
DWLNR123C	0.236	0.750	0.750	5.000	1.950	1.000	-6°	-6°	
DWLNL163D	0.236	1.000	1.000	6.000	1.950	1.250	-6°	-6°	
DWLNR163D	0.236	1.000	1.000	6.000	1.950	1.250	-6°	-6°	
DWLNL124C	0.315	0.750	0.750	5.000	1.378	1.000	-6°	-6°	WN .. 43 . WN .. 0804 ..
DWLNR124C	0.315	0.750	0.750	5.000	1.378	1.000	-6°	-6°	
DWLNL164D	0.315	1.000	1.000	6.000	1.35	1.250	-6°	-6°	
DWLNR164D	0.315	1.000	1.000	6.000	1.35	1.250	-6°	-6°	
DWLNL204D	0.315	1.250	1.250	6.000	1.378	1.500	-6°	-6°	
DWLNR204D	0.315	1.250	1.250	6.000	1.378	1.500	-6°	-6°	
DWLNL165D	0.394	1.000	1.000	6.000	1.54	1.000	-6°	-6°	WN .. 54 . WN .. 1006 ..
DWLNR165D	0.394	1.000	1.000	6.000	1.54	1.000	-6°	-6°	

Assembly parts

Type	WN .. 33 . WN .. 0604 .. 0.750–1.000	WN .. 43 . WN .. 0804 .. 0.750–1.250	WN .. 54 . WN .. 1006 .. 1.000
Shim	AP306-WN06	AP307-WN08	AP311-WN10
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK240	PK241	PK242
Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS1469	FS1470	FS1471
Pin	RS116	RS117	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

Type	WN .. 33 . WN .. 0604 ..	WN .. 43 . WN .. 0804 ..	WN .. 54 . WN .. 1006 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET	PK242-SET
Insert with hole Carbide clamp set		PK245-SET	PK246-SET
Insert with hole Carbide clamp set		PK254-SET	

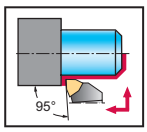
Shank tool – Rigid clamping

DWLN...-P mm

Walter Turn

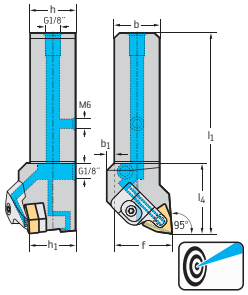


– Precision cooling





Tool

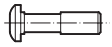
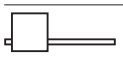


Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
DWLNR2020X08-P	8	20	20	120	43.5	25	-6.5°	-5.5°	WN .. 0804 ..
DWLNR2525X08-P	8	25	25	135	43.5	32	-6.5°	-5.5°	
DWLNL2020X08-P	8	20	20	120	43.5	25	-6.5°	-5.5°	WN .. 0804 ..
DWLNL2525X08-P	8	25	25	135	43.5	32	-6.5°	-5.5°	

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)

Assembly parts

	Type	WN .. 0804 .. 20–25
	Shim	AP307-WN08
	Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm
	Left clamp	PK266L
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS2188
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)

Accessories

	Type	WN .. 0804 ..
	(standard assembly parts) Left clamp set	PK266L-SET

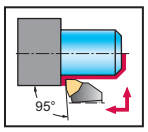
Shank tool – Rigid clamping

DWLN...-P inch

Walter Turn

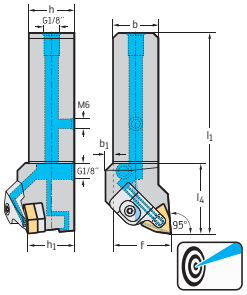


– Precision cooling





Tool



Square shank

Designation		h = h_1 inch	b inch	l_1 inch	l_4 inch	f inch	γ	λ_s	Type
DWLNR124B-P	0.315	0.750	0.750	4.500	1.713	1.000	-5.5°	-6°	WN .. 43 . WN .. 0804 ..
DWLNR164D-P	0.315	1.000	1.000	6.000	1.713	1.250	-6.5°	-5.5°	
DWLNL124B-P	0.315	0.750	0.750	4.500	1.713	1.000	-5.5°	-6°	WN .. 43 . WN .. 0804 ..
DWLNL164D-P	0.315	1.000	1.000	6.000	1.713	1.250	-6.5°	-5.5°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
For the connection set for internal coolant supply with G1/8" thread, see „Assembly parts and accessories"

Assembly parts

Type	WN .. 43 . WN .. 0804 .. 0.750–1.000
Shim	AP307-WN08
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs
Left clamp	PK266L
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
Pressure spring	FS2188
G 1/8" threaded plug	FS2258 (SW 2)
M6 threaded plug	FS2288 (SW 3)
Torx key	FS1465 (T15IP)

Accessories

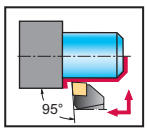
Type	WN .. 43 . WN .. 0804 ..
(standard assembly parts) Left clamp set	PK266L-SET

Shank tool – Screw clamping

SCLC mm

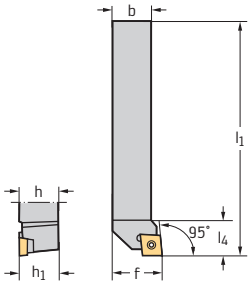
Walter Turn







Tool

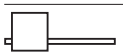


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
SCLCL1010E06	6	10	10	12	70	11	0°	0°	CC .. 0602 ..
SCLCL1212F06	6	12	12	16	80	10	0°	0°	
SCLCL1616H06	6	16	16	20	100	12	0°	0°	
SCLCL2020K06	6	20	20	25	125	12	0°	0°	
SCLCR1010E06	6	10	10	12	70	11	0°	0°	
SCLCR1212F06	6	12	12	16	80	10	0°	0°	
SCLCR1616H06	6	16	16	20	100	12	0°	0°	
SCLCR2020K06	6	20	20	25	125	12	0°	0°	
SCLCL1212F09	9	12	12	16	80	15.6	0°	0°	CC .. 09T3 ..
SCLCL1616H09	9	16	16	20	100	16.8	0°	0°	
SCLCL2020K09	9	20	20	25	125	17.8	0°	0°	
SCLCL2525M09	9	25	25	32	150	17	0°	0°	
SCLCR1212F09	9	12	12	16	80	15.6	0°	0°	
SCLCR1616H09	9	16	16	20	100	16.8	0°	0°	
SCLCR2020K09	9	20	20	25	125	17.8	0°	0°	
SCLCR2525M09	9	25	25	32	150	17	0°	0°	
SCLCL2020K12	12	20	20	25	125	21.7	0°	0°	CC .. 1204 ..
SCLCL2525M12	12	25	25	32	150	23.7	0°	0°	
SCLCR2020K12	12	20	20	25	125	21.7	0°	0°	
SCLCR2525M12	12	25	25	32	150	23.7	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

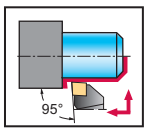
Type	CC .. 0602 .. 10–20	CC .. 09T3 .. 12	CC .. 09T3 .. 16–25	CC .. 1204 .. 20–25
 Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2063 (T15IP) 3 Nm	FS2060 (T15IP) 3 Nm	FS2065 (T15IP) 3 Nm
 Shim			AP313-CC0908	AP314-CC1212
 Screw for shim			FS2068 (SW 3.5)	FS2069 (SW 4)
 Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1496 (T15IP)

Shank tool – Screw clamping

SCLC inch

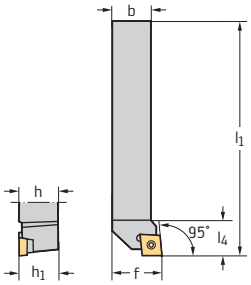
Walter Turn







Tool

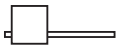


Square shank

Designation		h = h1 inch	b inch	f inch	l1 inch	l4 inch	γ	λs	Type
SCLCL062	0.236	0.375	0.375	0.500	2.500	0.390	0°	0°	CC .. 2(1.5) . CC .. 0602 ..
SCLCL082B	0.236	0.500	0.500	0.625	4.500	0.470	0°	0°	
SCLCR062	0.236	0.375	0.375	0.500	2.500	0.390	0°	0°	
SCLCR082B	0.236	0.500	0.500	0.625	4.500	0.470	0°	0°	
SCLCL083	0.354	0.500	0.500	0.625	3.500	0.630	0°	0°	CC .. 3(2.5) . CC .. 09T3 ..
SCLCL103	0.354	0.625	0.625	0.750	4.000	0.630	0°	0°	
SCLCL123B	0.354	0.750	0.750	1.000	4.500	0.634	0°	0°	
SCLCL163D	0.354	1.000	1.000	1.250	6.000	0.742	0°	0°	
SCLCR083	0.354	0.500	0.500	0.625	3.500	0.630	0°	0°	
SCLCR103	0.354	0.625	0.625	0.750	4.000	0.630	0°	0°	
SCLCR123B	0.354	0.750	0.750	1.000	4.500	0.634	0°	0°	
SCLCR163D	0.354	1.000	1.000	1.250	6.000	0.742	0°	0°	
SCLCL164D	0.472	1.000	1.000	1.250	6.000	0.894	0°	0°	CC .. 43 . CC .. 1204 ..
SCLCL204D	0.472	1.250	1.250	1.500	6.000	0.894	0°	0°	
SCLCR164D	0.472	1.000	1.000	1.250	6.000	0.894	0°	0°	
SCLCR204D	0.472	1.250	1.250	1.500	6.000	0.894	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

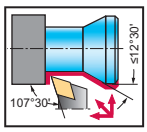
Type	CC .. 2(1.5) . CC .. 0602 .. 0.375–0.500	CC .. 3(2.5) . CC .. 09T3 .. 0.500	CC .. 3(2.5) . CC .. 09T3 .. 0.625–1.000	CC .. 43 . CC .. 1204 .. 1.000–1.250
 Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2063 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs	FS2065 (T15IP) 27 in lbs
 Shim			AP313-CC0908	AP314-CC1212
 Screw for shim			FS2068 (SW 3,5)	FS2069 (SW 4)
 Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1496 (T15IP)

Shank tool – Screw clamping

SDHC mm

Walter Turn

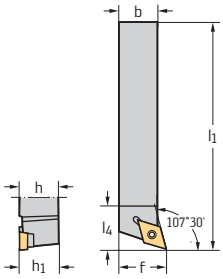






Tool

Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	γ	λ_s	Type
SDHCL1212F07	7	12	12	16	80	14,3	0°	0°	DC .. 0702 ..
SDHCR1212F07	7	12	12	16	80	14,3	0°	0°	
SDHCL1616H11	11	16	16	20	100	17,9	0°	0°	DC .. 11T3 ..
SDHCL2020K11	11	20	20	20	125	17,9	0°	0°	
SDHCL2525M11	11	25	25	32	150	19,7	0°	0°	
SDHCR1616H11	11	16	16	20	100	17,9	0°	0°	
SDHCR2020K11	11	20	20	25	125	17,9	0°	0°	
SDHCR2525M11	11	25	25	32	150	20	0°	0°	



Square shank

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	DC .. 0702 .. 12	DC .. 11T3 .. 16–25
Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,9 Nm	FS2060 (T15IP) 3 Nm
Shim		AP315-DC1108
Screw for shim		FS2068 (SW 3,5)
Torx key	FS1490 (T7IP)	FS1465 (T15IP)

Accessories

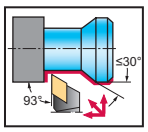
Type	DC .. 0702 ..	DC .. 11T3 ..
Shim		AP329-DC1112

Shank tool – Screw clamping

SDJC mm

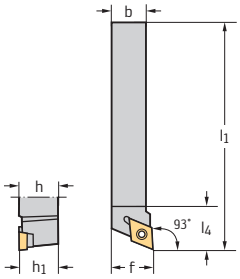
Walter Turn







Tool

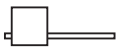


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
SDJCL1010E07	7	10	10	12	70	15.7	0°	0°	DC .. 0702 ..
SDJCL1212F07	7	12	12	16	80	15.5	0°	0°	
SDJCR1010E07	7	10	10	12	70	15.7	0°	0°	
SDJCR1212F07	7	12	12	16	80	15.5	0°	0°	
SDJCL1616H11	11	16	16	20	100	20.3	0°	0°	DC .. 11T3 ..
SDJCL2020K11	11	20	20	25	125	21.9	0°	0°	
SDJCL2525M11	11	25	25	32	150	24.4	0°	0°	
SDJCR1616H11	11	16	16	20	100	20.3	0°	0°	
SDJCR2020K11	11	20	20	25	125	21.9	0°	0°	
SDJCR2525M11	11	25	25	32	150	24.4	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 0702 .. 10–12	DC .. 11T3 .. 16–25
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP315-DC1108
	Screw for shim		FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

Accessories

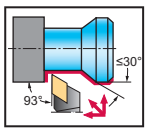
	Type	DC .. 0702 ..	DC .. 11T3 ..
	Shim		AP329-DC1112

Shank tool – Screw clamping

SDJC inch

Walter Turn

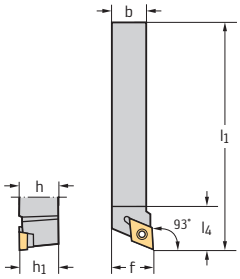






Tool

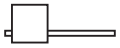
Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	γ	λ_s	Type
SDJCL062	0.276	0.375	0.375	0.500	2.500	0.614	0°	0°	DC .. 2(1.5) . DC .. 0702 ..
SDJCL082	0.276	0.500	0.500	0.625	3.500	0.669	0°	0°	
SDJCL102	0.276	0.625	0.625	0.750	4.000	0.669	0°	0°	
SDJCR062	0.276	0.375	0.375	0.500	2.500	0.614	0°	0°	
SDJCR082	0.276	0.500	0.500	0.625	3.500	0.669	0°	0°	
SDJCR102	0.276	0.625	0.625	0.750	4.000	0.669	0°	0°	
SDJCL123B	0.433	0.750	0.750	1.000	4.500	0.878	0°	0°	DC .. 3(2.5) . DC .. 11T3 ..
SDJCL163C	0.433	1.000	1.000	1.250	5.000	0.949	0°	0°	
SDJCL163D	0.433	1.000	1.000	1.250	6.000	0.949	0°	0°	
SDJCR123B	0.433	0.750	0.750	1.000	4.500	0.878	0°	0°	
SDJCR163C	0.433	1.000	1.000	1.250	5.000	0.949	0°	0°	
SDJCR163D	0.433	1.000	1.000	1.250	6.000	0.949	0°	0°	



Square shank

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 2(1.5) . DC .. 0702 .. 0.375–0.625	DC .. 3(2.5) . DC .. 11T3 .. 0.750–1.000
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,9 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP315-DC1108
	Screw for shim		FS2068 (SW 3,5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

Accessories

	Type	DC .. 2(1.5) . DC .. 0702 ..	DC .. 3(2.5) . DC .. 11T3 ..
	Shim		AP329-DC1112

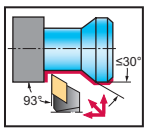
Shank tool – Rigid clamping

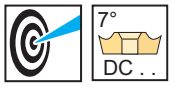
DDJC...-P mm

Walter Turn

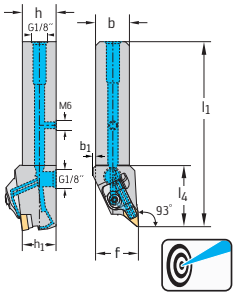


– Precision cooling





Tool

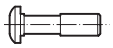
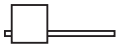


Square shank

Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	γ	λ_s	Type
DDJCR2020X11-P	11	20	20	25	125	48.5	-3°	-7°	DC .. 11T3 ..
DDJCR2525X11-P	11	25	25	32	140	48.5	-3°	-7°	
DDJCL2020X11-P	11	20	20	25	125	48.5	-3°	-7°	DC .. 11T3 ..
DDJCL2525X11-P	11	25	25	32	140	48.5	-3°	-7°	

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 11T3 .. 20–25
	Shim	AP315-DC1108
	Screw for shim	FS2068 (SW 3.5)
	Left clamp	PK261L
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS2188
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)

Accessories

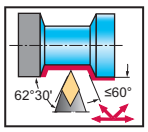
	Type	DC .. 11T3 ..
	(standard assembly parts) Left clamp set	PK261L-SET

Shank tool – Screw clamping

SDNC mm

Walter Turn

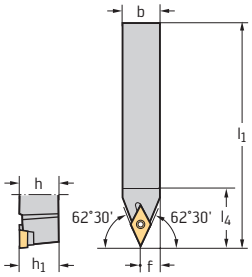






Tool

Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	γ	λ_s	Type
SDNCN1010E07	7	10	10	5.2	70	14.5	0°	0°	DC .. 0702 ..
SDNCN1212F07	7	12	12	6.2	80	14.5	0°	0°	
SDNCN1616H11	11	16	16	8.5	100	21.9	0°	0°	DC .. 11T3 ..
SDNCN2020K11	11	20	20	10.5	125	21.9	0°	0°	
SDNCN2525M11	11	25	25	13	150	22.2	0°	0°	



Square shank

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	DC .. 0702 .. 10–12	DC .. 11T3 .. 16–25
Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm
Shim		AP315-DC1108
Screw for shim		FS2068 (SW 3.5)
Torx key	FS1490 (T7IP)	FS1465 (T15IP)

Accessories

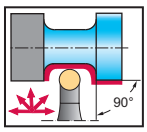
Type	DC .. 0702 ..	DC .. 11T3 ..
Shim		AP329-DC1112

Shank tool – Screw clamping

SRDC mm

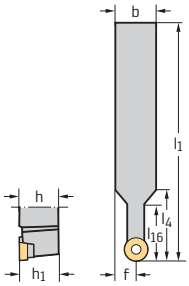
Walter Turn







Tool

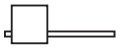


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	l16 mm	γ	λs	Type
SRDCN1212F06	6	12	12	6	80	17	12	0°	0°	RC . T0602M0 ..
SRDCN2020K06	6	20	20	10	125	32	24	0°	0°	
SRDCN2525M06	6	25	25	12.5	150	54	25	0°	0°	
SRDCN1616H08	8	16	16	8	100	21.5	16	0°	0°	RC . T0803M0 ..
SRDCN2020K08	8	20	20	10	125	32	24	0°	0°	
SRDCN2525M08	8	25	25	12.5	150	33	25	0°	0°	
SRDCN2020K10	10	20	20	10	125	31	25	0°	0°	RC . T10T3M0 ..
SRDCN2525M10	10	25	25	12.5	150	32	25	0°	0°	
SRDCN2020K12	12	20	20	10	125	31	25	0°	0°	RC . T1204M0 ..
SRDCN2525M12	12	25	25	12.5	150	35	28	0°	0°	
SRDCN3225P12	12	32	25	12.5	170	35	28	0°	0°	
SRDCN3225P16	16	32	25	12.5	170	40	35	0°	0°	RC . T1606M0 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts

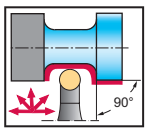
	Type	RC . T0602M0 .. 12–25	RC . T0803M0 .. 16–25	RC . T10T3M0 .. 20–25	RC . T1204M0 .. 20–32	RC . T1606M0 .. 32
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS1462 (T9IP) 1.5 Nm	FS2063 (T15IP) 3 Nm	FS2060 (T15IP) 3 Nm	FS2090 (T20IP) 6.4 Nm
	Shim			AP324-RC10T3	AP325-RC1204	AP326-RC1606
	Screw for shim			FS2068 (SW 3.5)	FS2068 (SW 3.5)	FS2091 (SW 5)
	Torx key	FS1490 (T7IP)	FS1466 (T9IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)

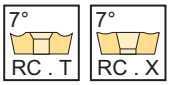
Shank tool – Lever clamping

PRDC mm

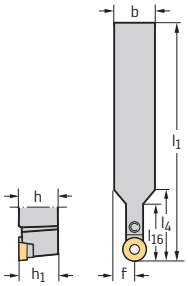
Walter Turn







Tool



Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	l16 mm	γ	λs	Type
PRDCN2020K10	10	20	20	10	125	30	25	0°	0°	RC . T10T3M0 ..
PRDCN2525M10	10	25	25	12.5	150	32	25	0°	0°	
PRDCN2525M12	12	25	25	12.5	150	33	28	0°	0°	RC . T1204M0 ..
PRDCN3225P12	12	32	25	12.5	170	33	28	0°	0°	
PRDCN3225P16	16	32	25	12.5	170	40	35	0°	0°	RC . T1605M0 ..
PRDCN3232P20	20	32	32	16	170	45	40	0°	0°	RC . T2006M0 ..
PRDCN4040S25	25	40	40	20	250	55	50	0°	0°	RC . T2507M0 ..
PRDCN5050U32	32	50	50	25	350	60	55	0°	0°	RC .. 3209 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	RC . T10T3M0 .. 20–25	RC . T1204M0 .. 25–32	RC . T1605M0 .. 32	RC . T2006M0 .. 32	RC . T2507M0 .. 40	RC .. 3209 .. 50
Shim	AP407-RC10T3	AP402-RC1204	AP403-RC1606	AP404-RC2006	AP405-RC2507	AP406-RC3209
Lever	KN122	KN123	KN111	KN112	KN113	KN124
Clamping screw Tightening torque	FS2155 0.6 Nm	FS351 2 Nm	FS344 2.5 Nm	FS2156 (SW 3) 5 Nm	FS2145 (SW 4) 10 Nm	FS357 14 Nm
Shim pin	RS101	RS120	RS118	RS103	RS104	RS105
Tapered assembly pin	MD101	MD101	MD101	MD102	MD102	MD103
Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-4 (SW 4)	ISO2936-5 (SW5)

Accessories

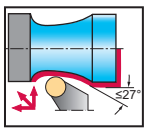
Type	RC . T10T3M0 ..	RC . T1204M0 ..–RC .. 3209 ..	RC . T1605M0 ..
Shim for RC . . 1003 . .	AP401-RC1003		
Shim for RC .. 1605 ..			AP403-RC1605

Shank tool – Screw clamping

SRSC mm

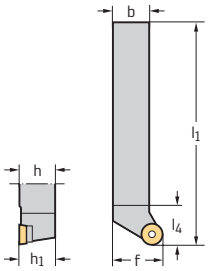
Walter Turn







Tool

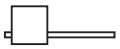


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
SRSCL2020K06	6	20	20	25	125	20	0°	0°	RC . T0602M0 ..
SRSCL2525M06	6	25	25	32	150	20	0°	0°	
SRSCR2020K06	6	20	20	25	125	20	0°	0°	
SRSCR2525M06	6	25	25	32	150	20	0°	0°	
SRSCL2020K08	8	20	20	25	125	20	0°	0°	RC . T0803M0 ..
SRSCL2525M08	8	25	25	32	150	20	0°	0°	
SRSCR2020K08	8	20	20	25	125	20	0°	0°	
SRSCR2525M08	8	25	25	32	150	20	0°	0°	
SRSCL2020K10	10	20	20	25	125	20	0°	0°	RC . T10T3M0 ..
SRSCL2525M10	10	25	25	32	150	28	0°	0°	
SRSCR2020K10	10	20	20	25	125	20	0°	0°	
SRSCR2525M10	10	25	25	32	150	28	0°	0°	
SRSCL2020K12	12	20	20	25	125	22	0°	0°	RC . T1204M0 ..
SRSCL2525M12	12	25	25	32	150	28	0°	0°	
SRSCL3225P12	12	32	25	32	170	32	0°	0°	
SRSCR2020K12	12	20	20	25	125	22	0°	0°	
SRSCR2525M12	12	25	25	32	150	28	0°	0°	
SRSCR3225P12	12	32	25	32	170	32	0°	0°	
SRSCL3225P16	16	32	25	32	170	32	0°	0°	RC . T1606M0 ..
SRSCR3225P16	16	32	25	32	170	32	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

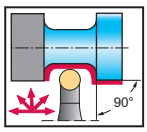
	Type	RC . T0602M0 .. 20–25	RC . T0803M0 .. 20–25	RC . T10T3M0 .. 20–25	RC . T1204M0 .. 20–32	RC . T1606M0 .. 32
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS1462 (T9IP) 1.5 Nm	FS2063 (T15IP) 3 Nm	FS2060 (T15IP) 3 Nm	FS2090 (T20IP) 6.4 Nm
	Shim			AP324-RC10T3	AP325-RC1204	AP326-RC1606
	Screw for shim			FS2068 (SW 3.5)	FS2068 (SW 3.5)	FS2091 (SW 5)
	Torx key	FS1490 (T7IP)	FS1466 (T9IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)

Shank tool – Screw clamping

SRDC inch

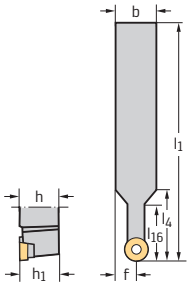
Walter Turn







Tool

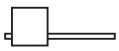


Square shank

Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	l_{16} inch	γ	λ_s	Type
SRDCN082	0.236	0.500	0.500	0.246	3.500	0.500	0.701	0°	0°	RC .. 22 . RC .. 0603 ..
SRDCN103	0.354	0.625	0.625	0.312	4.000	0.625	0.774	0°	0°	RC .. 3(2.5) . RC .. 09T3 ..
SRDCN123B	0.354	0.750	0.750	0.375	4.500	0.935	0.750	0°	0°	
SRDCN163D	0.354	1.000	1.000	0.500	6.000	1.257	1.000	0°	0°	
SRDCN164D	0.472	1.000	1.000	0.500	6.000	1.257	1.000	0°	0°	RC .. 43 . RC .. 1204 ..
SRDCN204D	0.472	1.250	1.250	0.625	6.000	1.287	1.000	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

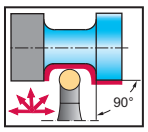
	Type	RC .. 22 . RC .. 0603 .. 0.500	RC .. 3(2.5) . RC .. 09T3 .. 0.625–1.000	RC .. 43 . RC .. 1204 .. 1.000–1.250
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2116 (T9IP)	FS2117 (T15IP)
	Shim		AP190-RC09T3	AP189-RC1204
	Torx key	FS1490 (T7IP)	FS1466 (T9IP)	FS1465 (T15IP)

Shank tool – Screw clamping

SRAC inch

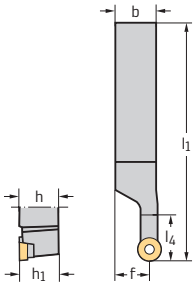
Walter Turn







Tool

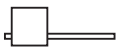


Square shank

Designation	⌀	h = h1 inch	b inch	f inch	l1 inch	l4 inch	γ	λs	Type
SRACL162D	0.236	1.000	1.000	1.075	6.000	1.548	0°	0°	RC .. 22 . RC .. 0603 ..
SRACR162D	0.236	1.000	1.000	1.075	6.000	1.548	0°	0°	
SRACL163D	0.354	1.000	1.000	1.075	6.000	1.548	0°	0°	RC .. 3(2.5) . RC .. 09T3 ..
SRACR163D	0.354	1.000	1.000	1.075	6.000	1.548	0°	0°	
SRACL164D	0.472	1.000	1.000	1.075	6.000	1.548	0°	0°	RC .. 43 . RC .. 1204 ..
SRACL204D	0.472	1.250	1.250	1.075	6.000	1.548	0°	0°	
SRACR164D	0.472	1.000	1.000	1.075	6.000	1.548	0°	0°	
SRACR204D	0.472	1.250	1.250	1.075	6.000	1.548	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

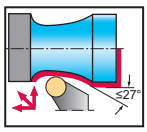
	Type	RC .. 22 . RC .. 0603 .. 1.000	RC .. 3(2.5) . RC .. 09T3 .. 1.000	RC .. 43 . RC .. 1204 .. 1.000–1.250
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2116 (T9IP)	FS2117 (T15IP)
	Shim		AP190-RC09T3	AP189-RC1204
	Torx key	FS1490 (T7IP)	FS1466 (T9IP)	FS1465 (T15IP)

Shank tool – Screw clamping

SRSC inch

Walter Turn

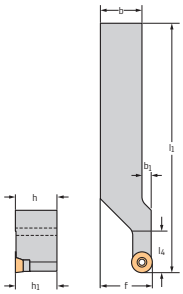






Tool

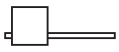
Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	γ	λ_s	Type
SRSCL162D	0,236	1,000	1,000	1,250	6,000	1,113	0°	0°	RC .. 22 . RC .. 0603 ..
SRSCR162D	0,236	1,000	1,000	1,250	6,000	1,113	0°	0°	
SRSCL163D	0,354	1,000	1,000	1,250	6,000	1,331	0°	0°	RC .. 3(2.5) . RC .. 09T3 ..
SRSCR163D	0,354	1,000	1,000	1,250	6,000	1,331	0°	0°	
SRSCL164D	0,472	1,000	1,000	1,250	6,000	1,446	0°	0°	RC .. 43 . RC .. 1204 ..
SRSCR164D	0,472	1,000	1,000	1,250	6,000	1,446	0°	0°	



Square shank

Bodies and assembly parts are included in the scope of delivery

Assembly parts

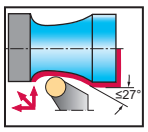
	Type	RC .. 22 . RC .. 0603 .. 1.000	RC .. 3(2.5) . RC .. 09T3 .. 1.000	RC .. 43 . RC .. 1204 .. 1.000
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2116 (T9IP)	FS2117 (T15IP)
	Shim		AP190-RC09T3	AP189-RC1204
	Torx key	FS1490 (T7IP)	FS1466 (T9IP)	FS1465 (T15IP)

Shank tool – Screw clamping

SRGC inch

Walter Turn

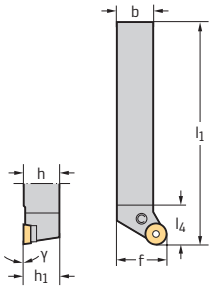






Tool

Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	γ	λ_s	Type
SRGCL164C	0.472	1.000	1.000	1.250	5.000	1.331	0°	0°	RC .. 43 . RC .. 1204 ..
SRGCR164C	0.472	1.000	1.000	1.250	5.000	1.331	0°	0°	



Square shank

Bodies and assembly parts are included in the scope of delivery

Assembly parts

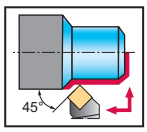
Type	RC .. 43 . RC .. 1204 .. 1.000
Clamping screw for indexable insert	FS2117 (T15IP)
Shim	AP189-RC1204
Torx key	FS1465 (T15IP)

Shank tool – Screw clamping

SSDC mm

Walter Turn

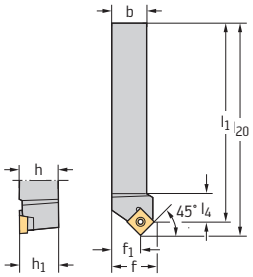






Tool

Designation		h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	l_{20} mm	γ	λ_s	Type
SSDCL1616H09	9	16	16	10.9	100	9.1	100	0°	0°	SC .. 09T3 ..
SSDCL2020K09	9	20	20	15.9	125	12	125	0°	0°	
SSDCR1616H09	9	16	16	10.9	100	9.1	100	0°	0°	
SSDCR2020K09	9	20	20	15.9	125	12	125	0°	0°	
SSDCL2020K12	12	20	20	13.7	125	13.7	125	0°	0°	SC .. 1204 ..
SSDCL2525M12	12	25	25	18.7	150	13.7	150	0°	0°	
SSDCR2020K12	12	20	20	13.7	125	13.7	125	0°	0°	
SSDCR2525M12	12	25	25	18.7	150	13.7	150	0°	0°	



Square shank

Bodies and assembly parts are included in the scope of delivery

Assembly parts

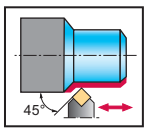
Type	SC .. 09T3 .. 16–20	SC .. 1204 .. 20–25
Clamping screw for indexable insert Tightening torque	FS2060 (T15IP) 3 Nm	FS2065 (T15IP) 3 Nm
Shim	AP328-SC0908	AP319-SC1212
Screw for shim	FS2068 (SW 3.5)	FS2069 (SW 4)
Torx key	FS1465 (T15IP)	FS1496 (T15IP)

Shank tool – Screw clamping

SSDCN mm

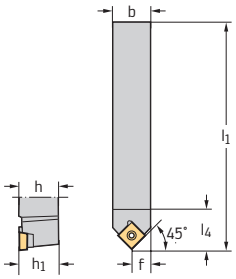
Walter Turn







Tool

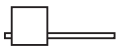


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
SSDCN1212F09	9	12	12	6	80	15.1	0°	0°	SC .. 09T3 ..
SSDCN1616H09	9	16	16	8	100	15.1	0°	0°	
SSDCN2020K12	12	20	20	10	125	22	0°	0°	SC .. 1204 ..
SSDCN2525M12	12	25	25	12.5	150	22	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

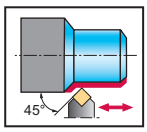
	Type	SC .. 09T3 .. 12	SC .. 09T3 .. 16	SC .. 1204 .. 20–25
	Clamping screw for indexable insert Tightening torque	FS2063 (T15IP) 3 Nm	FS2060 (T15IP) 3 Nm	FS2065 (T15IP) 3 Nm
	Shim		AP328-SC0908	AP319-SC1212
	Screw for shim		FS2068 (SW 3.5)	FS2069 (SW 4)
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1496 (T15IP)

Shank tool – Screw clamping

SSDC inch

Walter Turn

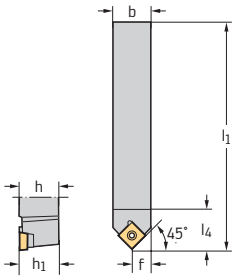






Tool

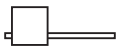
Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	l_{20} inch	γ	λ_s	Type
SSDCN062	0.236	0.375	0.375	0.191	3.000	0.512	3.000	0°	0°	SC .. 2(1.5) . SC .. 0602 ..
SSDCN082B	0.236	0.500	0.500	0.254	0.563	0.512	4.500	0°	0°	
SSDCN083	0.354	0.500	0.500	0.261	3.500	0.594	3.500	0°	0°	SC .. 3(2.5) . SC .. 09T3 ..
SSDCN103	0.354	0.625	0.625	0.323	4.000	0.594	4.000	0°	0°	
SSDCN123B	0.354	0.750	0.750	0.385	4.500	0.594	4.500	0°	0°	



Square shank

Bodies and assembly parts are included in the scope of delivery

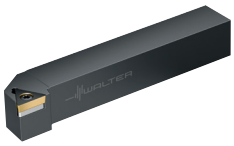
Assembly parts

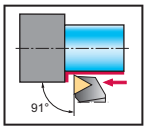
	Type	SC .. 2(1.5) . SC .. 0602 .. 0.375	SC .. 2(1.5) . SC .. 0602 .. 0.500	SC .. 3(2.5) . SC .. 09T3 .. 0.500–0.750
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs		FS2060 (T15IP) 27 in lbs
	Shim			AP328-SC0908
	Screw for shim			FS2068 (SW 3,5)
	Torx key	FS1490 (T7IP)	FS1490 (T7IP)	FS1465 (T15IP)

Shank tool – Screw clamping

STGC mm

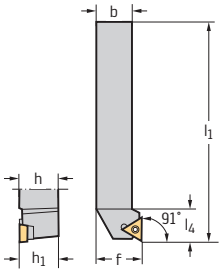
Walter Turn







Tool

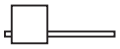


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
STGCL1212F11	11	12	12	16	80	14.1	0°	0°	TC .. 1102 ..
STGCR1212F11	11	12	12	16	80	14.1	0°	0°	
STGCL1616H16	16	16	16	20	100	20.1	0°	0°	TC .. 16T3 ..
STGCL2020K16	16	20	20	25	125	20.4	0°	0°	
STGCL2525M16	16	25	25	32	150	20.9	0°	0°	
STGCR1616H16	16	16	16	20	100	20.1	0°	0°	
STGCR2020K16	16	20	20	25	125	20.4	0°	0°	
STGCR2525M16	16	25	25	32	150	20.9	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

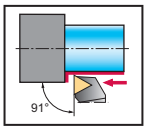
	Type	TC .. 1102 .. 12	TC .. 16T3 .. 16–25
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP317-TC1612
	Screw for shim		FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

Shank tool – Screw clamping

STGC inch

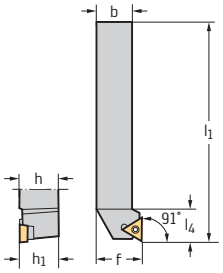
Walter Turn







Tool

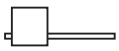


Square shank

Designation	h = h1 inch	b inch	f inch	l1 inch	l4 inch	γ	λs	Type
STGCL062	0,433	0,375	0,375	0,500	2,500	0,543	0°	0°	TC .. 2(1.5) . TC .. 1102 ..
STGCL082B	0,433	0,500	0,500	0,625	3,500	0,598	0°	0°	
STGCR062	0,433	0,375	0,375	0,500	2,500	0,543	0°	0°	
STGCR082B	0,433	0,500	0,500	0,625	3,500	0,598	0°	0°	
STGCL103	0,630	0,625	0,625	0,750	4,000	0,823	0°	0°	TC .. 3(2.5) . TC .. 16T3 ..
STGCL123B	0,630	0,750	0,750	1,000	4,500	0,815	0°	0°	
STGCL163D	0,630	1,000	1,000	1,250	6,000	0,815	0°	0°	
STGCR103	0,630	0,625	0,625	0,750	4,000	0,823	0°	0°	
STGCR123B	0,630	0,750	0,750	1,000	4,500	0,815	0°	0°	
STGCR163D	0,630	1,000	1,000	1,250	6,000	0,815	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

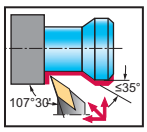
	Type	TC .. 2(1.5) . TC .. 1102 .. 0.375–0.500	TC .. 3(2.5) . TC .. 16T3 .. 0.625–1.000
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2060 (T15IP) 27 in lbs
	Shim		AP317-TC1612
	Screw for shim		FS2068 (SW 3,5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

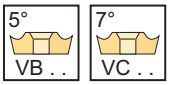
Shank tool – Screw clamping

SVHB mm

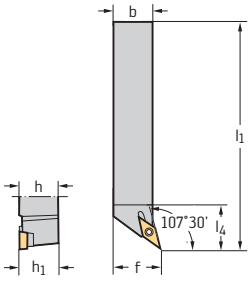
Walter Turn







Tool

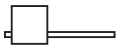


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
SVHBL1616H11	11	16	16	20	100	18	0°	0°	VB .. 1103 ..
SVHBL2020K11	11	20	20	25	125	19	0°	0°	
SVHBL2525M11	11	25	25	32	150	27	0°	0°	
SVHBR1616H11	11	16	16	20	100	18	0°	0°	
SVHBR2020K11	11	20	20	25	125	19	0°	0°	
SVHBR2525M11	11	25	25	32	150	27	0°	0°	
SVHBL2020K16	16	20	20	25	125	27.6	0°	0°	VB .. 1604 ..
SVHBL2525M16	16	25	25	32	150	27.6	0°	0°	
SVHBL3225P16	16	32	25	32	170	27.6	0°	0°	
SVHBR2020K16	16	20	20	25	125	27.6	0°	0°	
SVHBR2525M16	16	25	25	32	150	27.6	0°	0°	
SVHBR3225P16	16	32	25	32	170	27.6	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 1103 .. 16–25	VB .. 1604 .. 20–32
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP316-VB1608
	Screw for shim		FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

Accessories

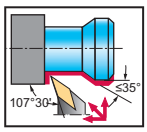
	Type	VB .. 1103 ..	VB .. 1604 ..
	Shim		AP330-VB1612

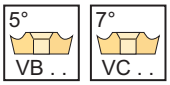
Shank tool – Lever clamping

PVHB mm

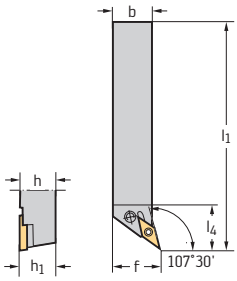
Walter Turn







Tool

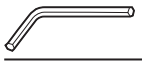


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
PVHBL1616H11	11	16	16	20	100	25	0°	0°	VB .. 1103 ..
PVHBL2020K11	11	20	20	25	125	25	0°	0°	
PVHBL2525M11	11	25	25	32	150	32	0°	0°	
PVHBR1616H11	11	16	16	20	100	25	0°	0°	
PVHBR2020K11	11	20	20	25	125	25	0°	0°	
PVHBR2525M11	11	25	25	32	150	32	0°	0°	
PVHBL2020K16	16	20	20	25	125	28	0°	0°	VB .. 1604 ..
PVHBL2525M16	16	25	25	32	150	28	0°	0°	
PVHBL3225P16	16	32	25	32	170	28	0°	0°	
PVHBR2020K16	16	20	20	25	125	28	0°	0°	
PVHBR2525M16	16	25	25	32	150	28	0°	0°	
PVHBR3225P16	16	32	25	32	170	28	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 1103 .. 16–25	VB .. 1604 .. 20–32
	Shim		AP153
	Lever	KN118	
	Shim pin		RS101
	Lever		KN110
	Clamping screw Tightening torque	FS347 (SW 2) 0.6 Nm	
	Clamping screw		FS351 2 Nm
	Allen key	ISO2936-2 (SW 2.5)	
	Tapered assembly pin		MD101
	Allen key		ISO2936-2.5 (SW 2.5)

Accessories

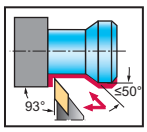
	Type	VB .. 1103 ..	VB .. 1604 ..
	Shim		AP154

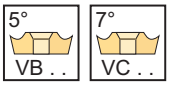
Shank tool – Screw clamping

SVJB mm

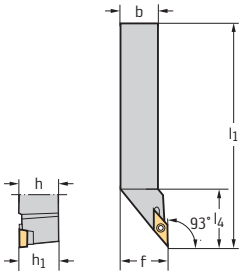
Walter Turn







Tool

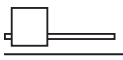


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
SVJBL1212F11	11	12	12	16	80	20.6	0°	0°	VB .. 1103 ..
SVJBL1616H11	11	16	16	20	100	21.2	0°	0°	
SVJBL2020K11	11	20	20	25	125	21.2	0°	0°	
SVJBL2525M11	11	25	25	32	150	21.2	0°	0°	
SVJBR1212F11	11	12	12	16	80	20.6	0°	0°	
SVJBR1616H11	11	16	16	20	100	21.2	0°	0°	
SVJBR2020K11	11	20	20	25	125	21.2	0°	0°	
SVJBR2525M11	11	25	25	32	150	21.2	0°	0°	
SVJBL1616H16	16	16	16	20	100	27	0°	0°	VB .. 1604 ..
SVJBL2020K16	16	20	20	25	125	31.1	0°	0°	
SVJBL2525M16	16	25	25	32	150	31.5	0°	0°	
SVJBL3225P16	16	32	25	32	170	31.5	0°	0°	
SVJBR1616H16	16	16	16	20	100	27	0°	0°	
SVJBR2020K16	16	20	20	25	125	31.1	0°	0°	
SVJBR2525M16	16	25	25	32	150	31.5	0°	0°	
SVJBR3225P16	16	32	25	32	170	31.5	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

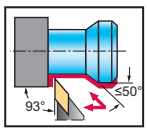
	Type	VB .. 1103 .. 12–25	VB .. 1604 .. 16	VB .. 1604 .. 20–32
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2063 (T15IP) 3 Nm	FS2060 (T15IP) 3 Nm
	Shim			AP316-VB1608
	Screw for shim			FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)

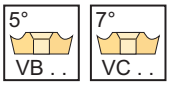
Shank tool – Screw clamping

SVJB inch

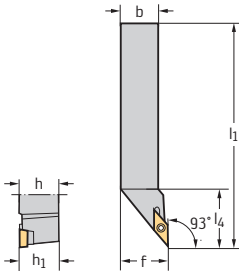
Walter Turn







Tool

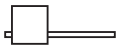


Square shank

Designation		h = h1 inch	b inch	f inch	l1 inch	l4 inch	γ	λs	Type
SVJBL082	0.433	0.500	0.500	0.625	3.500	0.799	0°	0°	VB .. 22 . VB .. 1103 ..
SVJBL102	0.433	0.625	0.625	0.750	4.000	0.835	0°	0°	
SVJBL122B	0.433	0.750	0.750	1.000	4.500	0.835	0°	0°	
SVJBR082	0.433	0.500	0.500	0.625	3.500	0.799	0°	0°	
SVJBR102	0.433	0.625	0.625	0.750	4.000	0.835	0°	0°	
SVJBR122B	0.433	0.750	0.750	1.000	4.500	0.835	0°	0°	
SVJBL123B	0.630	0.750	0.750	1.000	4.500	1.228	0°	0°	VB .. 33 . VB .. 1604 ..
SVJBL163C	0.630	1.000	1.000	1.250	5.000	1.24	0°	0°	
SVJBL163D	0.630	1.000	1.000	1.250	6.000	1.24	0°	0°	
SVJBR123B	0.630	0.750	0.750	1.000	4.500	1.228	0°	0°	
SVJBR163C	0.630	1.000	1.000	1.250	5.000	1.24	0°	0°	
SVJBR163D	0.630	1.000	1.000	1.250	6.000	1.24	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 22 . VB .. 1103 .. 0.500–0.750	VB .. 33 . VB .. 1604 .. 0.750–1.000
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP316-VB1608
	Screw for shim		FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

Accessories

	Type	VB .. 22 .. VB .. 1103 ..	VB .. 33 .. VB .. 1604 ..
	Shim		AP330-VB1612

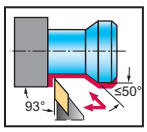
Shank tool – Rigid clamping

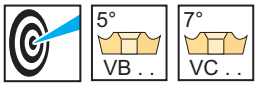
DVJB...-P mm

Walter Turn

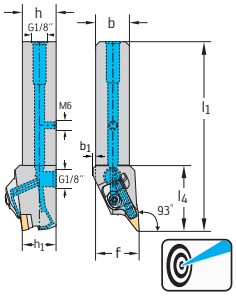


– Precision cooling





Tool

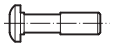
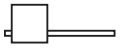


Square shank

Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	γ	λ_s	Type
DVJBR2020X16-P	16	20	20	25	125	48.5	-2°	-7°	VB .. 1604 ..
DVJBR2525X16-P	16	25	25	32	140	48.5	-2°	-7°	
DVJBL2020X16-P	16	20	20	25	125	48.5	-2°	-7°	VB .. 1604 ..
DVJBL2525X16-P	16	25	25	32	140	48.5	-2°	-7°	

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 1604 .. 20–25
	Shim	AP312-VN16
	Screw for shim Tightening torque	FS1467 (T15IP) 3 Nm
	Left clamp	PK261L
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS2188
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)

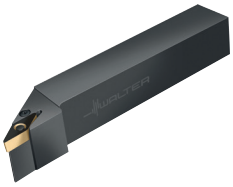
Accessories

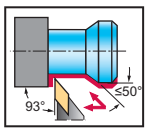
	Type	VB .. 1604 ..
	(standard assembly parts) Left clamp set	PK261L-SET

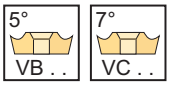
Shank tool – Lever clamping

PVJB mm

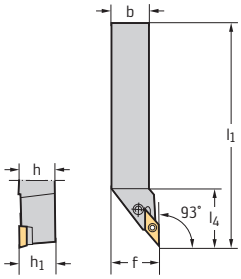
Walter Turn







Tool



Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
PVJBL1616H11	11	16	16	20	100	25	0°	0°	VB .. 1103 ..
PVJBL2020K11	11	20	20	25	125	25	0°	0°	
PVJBL2525M11	11	25	25	32	150	32	0°	0°	
PVJBR1616H11	11	16	16	20	100	25	0°	0°	
PVJBR2020K11	11	20	20	25	125	25	0°	0°	
PVJBR2525M11	11	25	25	32	150	32	0°	0°	
PVJBL1616H16	16	16	16	20	100	32	0°	0°	VB .. 1604 ..
PVJBL2020K16	16	20	20	25	125	34	0°	0°	
PVJBL2525M16	16	25	25	32	150	38	0°	0°	
PVJBL3225P16	16	32	25	32	170	38	0°	0°	
PVJBR1616H16	16	16	16	20	100	32	0°	0°	
PVJBR2020K16	16	20	20	25	125	34	0°	0°	
PVJBR2525M16	16	25	25	32	150	38	0°	0°	
PVJBR3225P16	16	32	25	32	170	38	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	VB .. 1103 .. 16–25	VB .. 1604 .. 16	VB .. 1604 .. 20–32
Shim		AP153	AP153
Shim pin		RS101	RS101
Lever	KN118	KN110	KN110
Clamping screw Tightening torque	FS347 (SW 2) 0.6 Nm	FS332 (SW 2.5) 2.5 Nm	FS351 2 Nm
Tapered assembly pin		MD101	MD101
Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-2.5 (SW 2.5)

Accessories

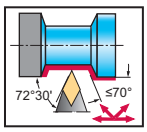
Type	VB .. 1103 ..	VB .. 1604 ..
Shim		AP154

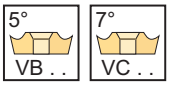
Shank tool – Screw clamping

SVVB mm

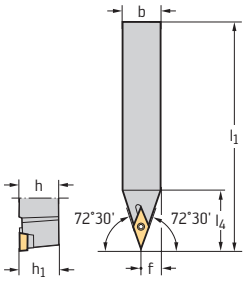
Walter Turn







Tool

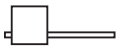


Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
SVVBN1212F11	11	12	12	6.3	80	21.1	0°	0°	VB .. 1103 ..
SVVBN1616H11	11	16	16	8.3	100	21.1	0°	0°	
SVVBN2020K11	11	20	20	10.3	125	21.1	0°	0°	
SVVBN2525M11	11	25	25	12.8	150	21.1	0°	0°	
SVVBN2020K16	16	20	20	10.6	125	31.5	0°	0°	VB .. 1604 ..
SVVBN2525M16	16	25	25	13.1	150	31.5	0°	0°	
SVVBN3225P16	16	32	25	13.1	170	31.5	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 1103 .. 12–25	VB .. 1604 .. 20–32
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP316-VB1608
	Screw for shim		FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

Accessories

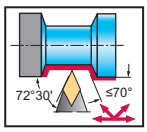
	Type	VB .. 1103 ..	VB .. 1604 ..
	Shim		AP330-VB1612

Shank tool – Screw clamping

SVVB inch

Walter Turn

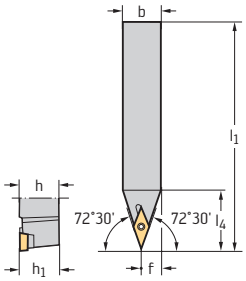






Tool

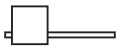
Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	γ	λ_s	Type
SVVBN123B	0,630	0,750	0,750	0,395	4,500	1,24	0°	0°	VB .. 33 . VB .. 1604 ..
SVVBN163D	0,630	1,000	1,000	0,52	6,000	1,24	0°	0°	



Square shank

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 33 . VB .. 1604 .. 0.750–1.000
	Clamping screw for indexable insert Tightening torque	FS2060 (T15IP) 3 Nm
	Shim	AP316-VB1608
	Screw for shim	FS2068 (SW 3,5)
	Torx key	FS1465 (T15IP)

Accessories

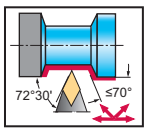
	Type	VB .. 33 .. VB .. 1604 ..
	Shim	AP330-VB1612

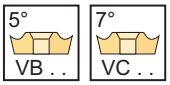
Shank tool – Lever clamping

PVVB mm

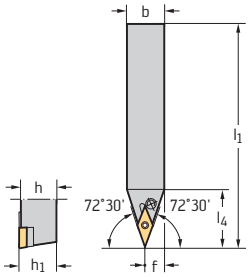
Walter Turn







Tool



Square shank

Designation		h = h1 mm	b mm	f mm	l1 mm	l4 mm	γ	λs	Type
PVVBN2020K11	11	20	20	10	125	25	0°	0°	VB .. 1103 ..
PVVBN2525M11	11	25	25	12.5	150	25	0°	0°	
PVVBN2020K16	16	20	20	10	125	34	0°	0°	VB .. 1604 ..
PVVBN2525M16	16	25	25	12.5	150	34	0°	0°	
PVVBN3225P16	16	32	25	12.5	170	34	0°	0°	

Assembly parts

	Type	VB .. 1103 .. 20–25	VB .. 1604 .. 20–32
	Shim		AP153
	Lever	KN118	KN110
	Clamping screw Tightening torque	FS347 (SW 2) 0.6 Nm	FS351 2 Nm
	Shim pin		RS101
	Tapered assembly pin		MD101
	Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)

Accessories

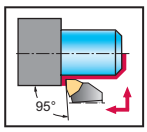
	Type	VB .. 1103 ..	VB .. 1604 ..
	Shim		AP154

Shank tool – Screw clamping

SWLC mm

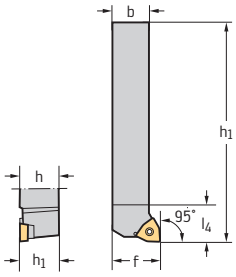
Walter Turn







Tool

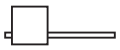


Square shank

Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	γ	λ_s	Type
SWLCL1212F04	4	12	12	16	80	11	0°	0°	WC .. 0402 ..
SWLCL1616H04	4	16	16	20	100	11	0°	0°	
SWLCR1212F04	4	12	12	16	80	11	0°	0°	
SWLCR1616H04	4	16	16	20	100	11	0°	0°	
SWLCL1616H06	6	16	16	20	100	15	0°	0°	WC .. 06T3 ..
SWLCL2020K06	6	20	20	25	125	15	0°	0°	
SWLCL2525M06	6	25	25	32	150	17	0°	0°	
SWLCR1616H06	6	16	16	20	100	15	0°	0°	
SWLCR2020K06	6	20	20	25	125	15	0°	0°	
SWLCR2525M06	6	25	25	32	150	17	0°	0°	
SWLCL2020K08	8	20	20	25	125	20	0°	0°	WC .. 0804 ..
SWLCL2525M08	8	25	25	32	150	21	0°	0°	
SWLCR2020K08	8	20	20	25	125	20	0°	0°	
SWLCR2525M08	8	25	25	32	150	21	0°	0°	

Bodies and assembly parts are included in the scope of delivery

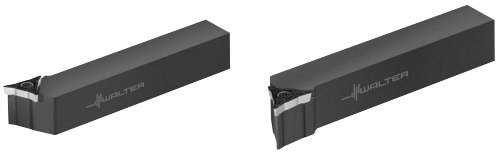
Assembly parts

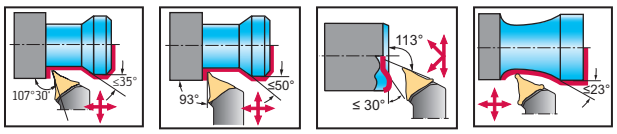
	Type	WC .. 0402 .. 12–16	WC .. 06T3 .. 16–25	WC .. 0804 .. 20–25
	Clamping screw for indexable insert Tightening torque	FS2067 (T7IP) 0.9 Nm	FS2063 (T15IP) 3 Nm	FS2065 (T15IP) 3 Nm
	Shim		AP318-WC0608	AP320-WC0812
	Screw for shim		FS2068 (SW 3.5)	FS2069 (SW 4)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1496 (T15IP)

Shank tool – Copy turning system

W1011 mm

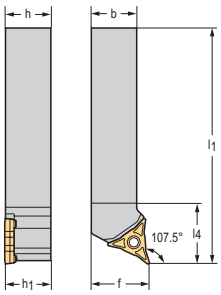
Walter Turn







Tool



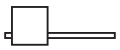
Square shank

Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	γ	λ_s	Type
W1011-1616R-WL25	25	16	16	20	100	33.5	0°	0°	WL25..
W1011-2020R-WL25	25	20	20	25	125	33.5	0°	0°	
W1011-2525R-WL25	25	25	25	32	150	33.5	0°	0°	
W1011-1616L-WL25	25	16	16	20	100	33.5	0°	0°	WL25..
W1011-2020L-WL25	25	20	20	25	125	33.5	0°	0°	
W1011-2525L-WL25	25	25	25	32	150	33.5	0°	0°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = 😐 → Moderate = ☹

Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Indexable inserts

	Designation	r mm	l_e mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20G	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	7.2	0.12–0.40					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-RC0525N-MU6	2.5	6.9	0.12–0.45					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-VC0702N-FM4	0.2	6	0.04–0.15										😊	😐					😊	😐	
	WL25-VC0704N-FM4	0.4	6.3	0.05–0.20										😊	😐					😊	😐	
	WL25-VC0704N-FP4	0.4	6.3	0.05–0.20			😊	😊	😐	😐												
	WL25-VC0704N-MM4	0.4	6.3	0.08–0.25		😐							😐	😊	😐				😐	😊	😐	
	WL25-VC0704N-MP4	0.4	6.3	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708N-FM4	0.8	7.1	0.08–0.25										😊	😐					😊	😐	
	WL25-VC0708N-FP4	0.8	7.1	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708N-MM4	0.8	7.1	0.12–0.32		😐							😐	😊	😐				😐	😊	😐	
	WL25-VC0708N-MP4	0.8	7.1	0.12–0.32			😊	😊	😐	😐												
	WL25-VC0712N-MM4	1.2	7.4	0.12–0.35										😊	😐					😊	😐	
	WL25-VC0712N-MP4	1.2	7.4	0.12–0.35			😊	😊	😐	😐												
	WL25-VC0716N-MM4	1.6	8.7	0.12–0.40										😊	😐					😊	😐	
	WL25-VC0716N-MP4	1.6	8.7	0.12–0.40			😊	😊	😐	😐												
	WL25-VC0704L-FM4	0.4	6.2	0.05–0.20										😊	😐					😊	😐	
	WL25-VC0704L-FP4	0.4	6.2	0.05–0.20			😊	😊	😐	😐												
	WL25-VC0704L-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704L-MP4	0.4	6.2	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708L-FM4	0.8	6.6	0.08–0.25										😊	😐					😊	😐	
	WL25-VC0708L-FP4	0.8	6.6	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708L-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708L-MP4	0.8	6.6	0.12–0.32			😊	😊	😐	😐												
	WL25-VC0704R-FM4	0.4	6.2	0.05–0.20										😊	😐					😊	😐	
	WL25-VC0704R-FP4	0.4	6.2	0.05–0.20			😊	😊	😐	😐												
	WL25-VC0704R-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704R-MP4	0.4	6.2	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708R-FM4	0.8	6.6	0.08–0.25										😊	😐					😊	😐	
	WL25-VC0708R-FP4	0.8	6.6	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708R-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708R-MP4	0.8	6.6	0.12–0.32			😊	😊	😐	😐												

HC = beschichtetes Hartmetall

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😐 → Moderate = ☹

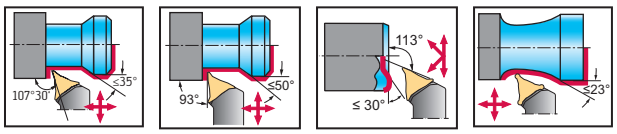
Shank tool – Copy turning system

W1011...-P mm

Walter Turn



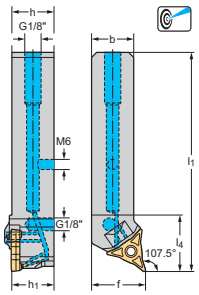
– Precision cooling





Tool

Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	γ	λ_s	Type
W1011-2020R-WL25-P	25	20	20	25	115	33.5	0°	0°	WL25..
W1011-2525R-WL25-P	25	25	25	32	130	33.5	0°	0°	
W1011-2020L-WL25-P	25	20	20	25	115	33.5	0°	0°	WL25..
W1011-2525L-WL25-P	25	25	25	32	130	33.5	0°	0°	

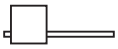


Square shank

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = 😐 → Moderate = ☹

Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1464 (T20IP)

	Designation	r mm	l_e mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20G	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	7.2	0.12–0.40					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-RC0525N-MU6	2.5	6.9	0.12–0.45					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-VC0702N-FM4	0.2	6	0.04–0.15										☺	😐					☺	😐	
	WL25-VC0704N-FM4	0.4	6.3	0.05–0.20										☺	😐					☺	😐	
	WL25-VC0704N-FP4	0.4	6.3	0.05–0.20			☺	☺	😐	😐												
	WL25-VC0704N-MM4	0.4	6.3	0.08–0.25		😐							😐	☺	😐				😐	☺	😐	
	WL25-VC0704N-MP4	0.4	6.3	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708N-FM4	0.8	7.1	0.08–0.25										☺	😐					☺	😐	
	WL25-VC0708N-FP4	0.8	7.1	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708N-MM4	0.8	7.1	0.12–0.32		😐							😐	☺	😐				😐	☺	😐	
	WL25-VC0708N-MP4	0.8	7.1	0.12–0.32			☺	☺	😐	😐												
	WL25-VC0712N-MM4	1.2	7.4	0.12–0.35										☺	😐					☺	😐	
	WL25-VC0712N-MP4	1.2	7.4	0.12–0.35			☺	☺	😐	😐												
	WL25-VC0716N-MM4	1.6	8.7	0.12–0.40										☺	😐					☺	😐	
	WL25-VC0716N-MP4	1.6	8.7	0.12–0.40			☺	☺	😐	😐												
	WL25-VC0704L-FM4	0.4	6.2	0.05–0.20										☺	😐					☺	😐	
	WL25-VC0704L-FP4	0.4	6.2	0.05–0.20			☺	☺	😐	😐												
	WL25-VC0704L-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704L-MP4	0.4	6.2	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708L-FM4	0.8	6.6	0.08–0.25										☺	😐					☺	😐	
	WL25-VC0708L-FP4	0.8	6.6	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708L-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708L-MP4	0.8	6.6	0.12–0.32			☺	☺	😐	😐												
	WL25-VC0704R-FM4	0.4	6.2	0.05–0.20										☺	😐					☺	😐	
	WL25-VC0704R-FP4	0.4	6.2	0.05–0.20			☺	☺	😐	😐												
	WL25-VC0704R-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704R-MP4	0.4	6.2	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708R-FM4	0.8	6.6	0.08–0.25										☺	😐					☺	😐	
	WL25-VC0708R-FP4	0.8	6.6	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708R-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708R-MP4	0.8	6.6	0.12–0.32			☺	☺	😐	😐												

HC = beschichtetes Hartmetall

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = 😐 → Moderate = ☹

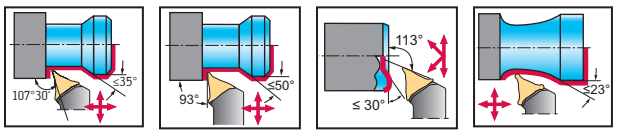
Shank tool – Copy turning system

W1011...-P inch

Walter Turn



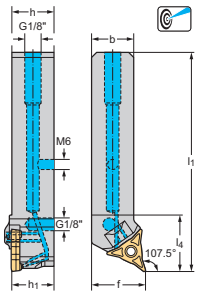
– Precision cooling





Tool

Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	γ	λ_s	Type
W1011.12R-WL25-P	0.984	0.750	0.750	1.000	4.500	1.319	0°	0°	WL25..
W1011.16R-WL25-P	0.984	1.000	1.000	1.250	6.000	1.319	0°	0°	
W1011.12L-WL25-P	0.984	0.750	0.750	1.000	4.500	1.319	0°	0°	WL25..
W1011.16L-WL25-P	0.984	1.000	1.000	1.250	6.000	1.319	0°	0°	

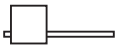


Square shank

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = 😐 → Moderate = ☹

Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 45 in lbs
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1464 (T20IP)

Indexable inserts

	Designation	r in	l_e in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20G	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	0.079	0.283	0.005-0.016					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-RC0525N-MU6	0.098	0.272	0.005-0.018					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-VC0702N-FM4	0.008	0.236	0.002-0.006										😀	😐					😀	😐	
	WL25-VC0704N-FM4	0.016	0.248	0.002-0.008										😀	😐					😀	😐	
	WL25-VC0704N-FP4	0.016	0.248	0.002-0.008			😀	😀	😐	😐												
	WL25-VC0704N-MM4	0.016	0.248	0.003-0.010		😐							😐	😀	😐				😐	😀	😐	
	WL25-VC0704N-MP4	0.016	0.248	0.003-0.01			😀	😀	😐	😐												
	WL25-VC0708N-FM4	0.031	0.280	0.003-0.010										😀	😐					😀	😐	
	WL25-VC0708N-FP4	0.031	0.280	0.003-0.010			😀	😀	😐	😐												
	WL25-VC0708N-MM4	0.031	0.280	0.005-0.013		😐							😐	😀	😐				😐	😀	😐	
	WL25-VC0708N-MP4	0.031	0.280	0.005-0.013			😀	😀	😐	😐												
	WL25-VC0712N-MM4	0.047	0.291	0.005-0.014										😀	😐					😀	😐	
	WL25-VC0712N-MP4	0.047	0.291	0.005-0.014			😀	😀	😐	😐												
	WL25-VC0716N-MM4	0.063	0.343	0.005-0.016										😀	😐					😀	😐	
	WL25-VC0716N-MP4	0.063	0.343	0.005-0.016			😀	😀	😐	😐												
	WL25-VC0704L-FM4	0.016	0.244	0.002-0.008										😀	😐					😀	😐	
	WL25-VC0704L-FP4	0.016	0.244	0.002-0.008			😀	😀	😐	😐												
	WL25-VC0704L-MM4	0.016	0.244	0.003-0.010		😐							😐		😐				😐		😐	
	WL25-VC0704L-MP4	0.016	0.244	0.003-0.010			😀	😀	😐	😐												
	WL25-VC0708L-FM4	0.031	0.260	0.003-0.010										😀	😐					😀	😐	
	WL25-VC0708L-FP4	0.031	0.260	0.003-0.010			😀	😀	😐	😐												
	WL25-VC0708L-MM4	0.031	0.260	0.005-0.013		😐							😐		😐				😐		😐	
	WL25-VC0708L-MP4	0.031	0.260	0.005-0.013			😀	😀	😐	😐												
	WL25-VC0704R-FM4	0.016	0.244	0.002-0.008										😀	😐					😀	😐	
	WL25-VC0704R-FP4	0.016	0.244	0.002-0.008			😀	😀	😐	😐												
	WL25-VC0704R-MM4	0.016	0.244	0.003-0.010		😐							😐		😐				😐		😐	
	WL25-VC0704R-MP4	0.016	0.244	0.003-0.010			😀	😀	😐	😐												
	WL25-VC0708R-FM4	0.031	0.260	0.003-0.010										😀	😐					😀	😐	
	WL25-VC0708R-FP4	0.031	0.260	0.003-0.010			😀	😀	😐	😐												
	WL25-VC0708R-MM4	0.031	0.260	0.005-0.013		😐							😐		😐				😐		😐	
	WL25-VC0708R-MP4	0.031	0.260	0.005-0.013			😀	😀	😐	😐												

HC = beschichtetes Hartmetall

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = 😀 → Good = 😐 → Moderate = ☹

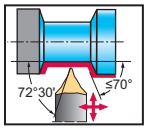
Shank tool – Copy turning system

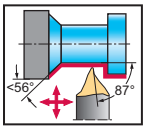
W1010...-P mm

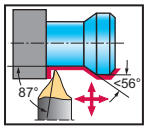
Walter Turn

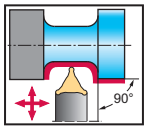


– Precision cooling





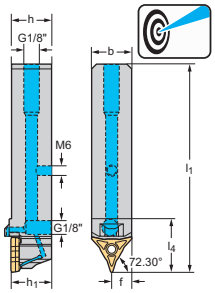






Tool

Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	γ	λ_s	Type
W1010-2020N-WL25-P	25	20	20	10	115	33.5	0°	0°	WL25..
W1010-2525N-WL25-P	25	25	25	13	130	33.5	0°	0°	

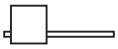


Square shank

For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = 😐 → Moderate = ☹

Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1464 (T20IP)

Indexable inserts

	Designation	r mm	l_e mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20G	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	7.2	0.12–0.40					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-RC0525N-MU6	2.5	6.9	0.12–0.45					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-VC0702N-FM4	0.2	6	0.04–0.15										☺	😐					☺	😐	
	WL25-VC0704N-FM4	0.4	6.3	0.05–0.20										☺	😐					☺	😐	
	WL25-VC0704N-FP4	0.4	6.3	0.05–0.20			☺	☺	😐	😐												
	WL25-VC0704N-MM4	0.4	6.3	0.08–0.25		😐							😐	☺	😐				😐	☺	😐	
	WL25-VC0704N-MP4	0.4	6.3	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708N-FM4	0.8	7.1	0.08–0.25										☺	😐					☺	😐	
	WL25-VC0708N-FP4	0.8	7.1	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708N-MM4	0.8	7.1	0.12–0.32		😐							😐	☺	😐				😐	☺	😐	
	WL25-VC0708N-MP4	0.8	7.1	0.12–0.32			☺	☺	😐	😐												
	WL25-VC0712N-MM4	1.2	7.4	0.12–0.35										☺	😐					☺	😐	
	WL25-VC0712N-MP4	1.2	7.4	0.12–0.35			☺	☺	😐	😐												
	WL25-VC0716N-MM4	1.6	8.7	0.12–0.40										☺	😐					☺	😐	
	WL25-VC0716N-MP4	1.6	8.7	0.12–0.40			☺	☺	😐	😐												
	WL25-VC0704L-FM4	0.4	6.2	0.05–0.20										☺	😐					☺	😐	
	WL25-VC0704L-FP4	0.4	6.2	0.05–0.20			☺	☺	😐	😐												
	WL25-VC0704L-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704L-MP4	0.4	6.2	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708L-FM4	0.8	6.6	0.08–0.25										☺	😐					☺	😐	
	WL25-VC0708L-FP4	0.8	6.6	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708L-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708L-MP4	0.8	6.6	0.12–0.32			☺	☺	😐	😐												
	WL25-VC0704R-FM4	0.4	6.2	0.05–0.20										☺	😐					☺	😐	
	WL25-VC0704R-FP4	0.4	6.2	0.05–0.20			☺	☺	😐	😐												
	WL25-VC0704R-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704R-MP4	0.4	6.2	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708R-FM4	0.8	6.6	0.08–0.25										☺	😐					☺	😐	
	WL25-VC0708R-FP4	0.8	6.6	0.08–0.25			☺	☺	😐	😐												
	WL25-VC0708R-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708R-MP4	0.8	6.6	0.12–0.32			☺	☺	😐	😐												

HC = beschichtetes Hartmetall

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = 😐 → Moderate = ☹

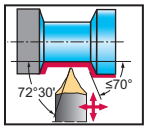
Shank tool – Copy turning system

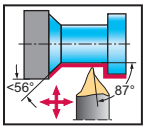
W1010...-P inch

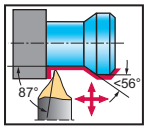
Walter Turn

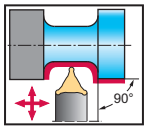


– Precision cooling





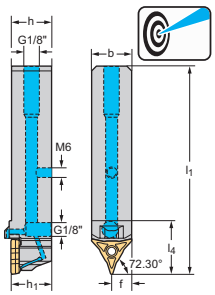






Tool

Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	γ	λ_s	Type
W1010.12N-WL25-P	0.984	0.750	0.750	0.375	4.500	1.319	0°	0°	WL25..
W1010.16N-WL25-P	0.984	1.000	1.000	0.500	6.000	1.319	0°	0°	

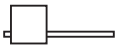


Square shank

For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = 😐 → Moderate = ☹

Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 44 in lbs
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1464 (T20IP)

Indexable inserts

	Designation	r in	l_e in	f in	a_p in	P HC WMP20S	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20G	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	0.079	0.283	0.005-0.016					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-RC0525N-MU6	0.098	0.272	0.005-0.018					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-VC0702N-FM4	0.008	0.236	0.002-0.006										😊	😐					😊	😐	
	WL25-VC0704N-FM4	0.016	0.248	0.002-0.008										😊	😐					😊	😐	
	WL25-VC0704N-FP4	0.016	0.248	0.002-0.008			😊	😊	😐	😐												
	WL25-VC0704N-MM4	0.016	0.248	0.003-0.010		😐							😐	😊	😐				😐	😊	😐	
	WL25-VC0704N-MP4	0.016	0.248	0.003-0.010			😊	😊	😐	😐												
	WL25-VC0708N-FM4	0.031	0.280	0.003-0.010										😊	😐					😊	😐	
	WL25-VC0708N-FP4	0.031	0.280	0.003-0.010			😊	😊	😐	😐												
	WL25-VC0708N-MM4	0.031	0.280	0.005-0.013		😐							😐	😊	😐				😐	😊	😐	
	WL25-VC0708N-MP4	0.031	0.280	0.005-0.013			😊	😊	😐	😐												
	WL25-VC0712N-MM4	0.047	0.291	0.005-0.014										😊	😐					😊	😐	
	WL25-VC0712N-MP4	0.047	0.291	0.005-0.014			😊	😊	😐	😐												
	WL25-VC0716N-MM4	0.063	0.343	0.005-0.016										😊	😐					😊	😐	
	WL25-VC0716N-MP4	0.063	0.343	0.005-0.016			😊	😊	😐	😐												
	WL25-VC0704L-FM4	0.016	0.244	0.002-0.008										😊	😐					😊	😐	
	WL25-VC0704L-FP4	0.016	0.244	0.002-0.008			😊	😊	😐	😐												
	WL25-VC0704L-MM4	0.016	0.244	0.003-0.010		😐							😐		😐				😐		😐	
	WL25-VC0704L-MP4	0.016	0.244	0.003-0.010			😊	😊	😐	😐												
	WL25-VC0708L-FM4	0.031	0.260	0.003-0.010										😊	😐					😊	😐	
	WL25-VC0708L-FP4	0.031	0.260	0.003-0.010			😊	😊	😐	😐												
	WL25-VC0708L-MM4	0.031	0.260	0.005-0.013		😐							😐		😐				😐		😐	
	WL25-VC0708L-MP4	0.031	0.260	0.005-0.013			😊	😊	😐	😐												
	WL25-VC0704R-FM4	0.016	0.244	0.002-0.008										😊	😐					😊	😐	
	WL25-VC0704R-FP4	0.016	0.244	0.002-0.008			😊	😊	😐	😐												
	WL25-VC0704R-MM4	0.016	0.244	0.003-0.010		😐							😐		😐				😐		😐	
	WL25-VC0704R-MP4	0.016	0.244	0.003-0.010			😊	😊	😐	😐												
	WL25-VC0708R-FM4	0.031	0.260	0.003-0.010										😊	😐					😊	😐	
	WL25-VC0708R-FP4	0.031	0.260	0.003-0.010			😊	😊	😐	😐												
	WL25-VC0708R-MM4	0.031	0.260	0.005-0.013		😐							😐		😐				😐		😐	
	WL25-VC0708R-MP4	0.031	0.260	0.005-0.013			😊	😊	😐	😐												

HC = beschichtetes Hartmetall

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😐 → Moderate = ☹

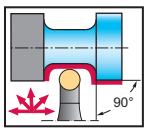
Shank tool – Rigid clamping

CRDC mm

Walter Turn



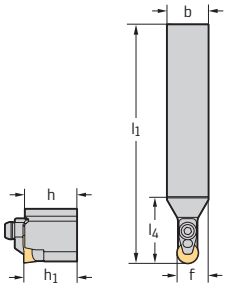
– For ceramic indexable inserts
– Claw clamping with carbide shoe





Tool

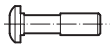
Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	γ	λ_s	Type
CRDCN3225P09-A	9	32	25	17.2	170	31	0°	0°	RC . X0907 .. RP . X0907 ..
CRDCN3225P12-A	12	32	25	18.8	170	40	0°	0°	RC . X1207 .. RP . X1207 ..



Square shank

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	RC . X0907 .. 32	RC . X1207 .. 32
	Shim	AP416-RC0907	AP417-RC1207
	Clamping sleeve	RS121	RS122
	Clamp with screw	PK257-SET	PK257-SET
	Screw for clamp Tightening torque	FS2240 (SW 4) 8 Nm	FS2240 (SW 4) 8 Nm
	Allen key for clamp	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)

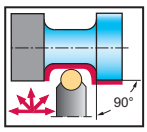
Shank tool – Rigid clamping

CRDN mm

Walter Turn

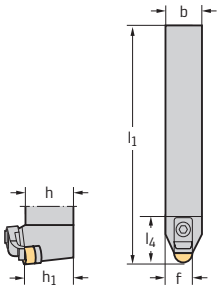


– For ceramic indexable inserts
– Claw clamping with carbide shoe





Tool

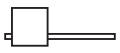


Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
CRDNN2525M12-ID	12	25	25	150	32	18.8	-8°	0°	RN .. 1207 ..
CRDNN3225P12-ID	12	32	25	170	32	18.8	-8°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	RN .. 1207 .. 25–32
	Shim for RN .. 1207 ..	AP418-RN1207
	Screw for shim Tightening torque	FS2241 (T20) 5 Nm
	Clamp with screw	PK258-SET
	Carbide clamping plate	FK380
	Allen key for clamp	ISO2936-4 (SW 4)
	Allen key for shim	FS256 (T20)

Accessories

Type	RN .. 1207 ..
Shim for RN .. 1204 ..	AP421-RN1204

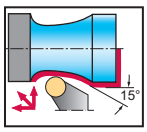
Shank tool – Rigid clamping

CRSN mm

Walter Turn

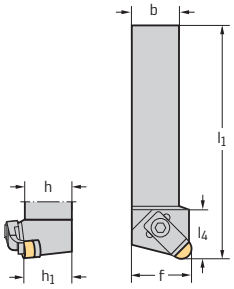


– For ceramic indexable inserts
– Claw clamping with carbide shoe





Tool



Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
CRSNL2525M12-ID	12	25	25	150	28	32	-6°	-6°	RN .. 1207 ..
CRSNR2525M12-ID	12	25	25	150	28	32	-6°	-6°	
CRSNL3225P12-ID	12	32	25	170	28	32	-6°	-6°	
CRSNR3225P12-ID	12	32	25	170	28	32	-6°	-6°	
CRSNL3232P15-ID	15	32	32	170	30	40	-6°	-6°	RN .. 1507 ..
CRSNR3232P15-ID	15	32	32	170	30	40	-6°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	RN .. 1207 .. 25–32	RN .. 1507 .. 32
	Shim		AP419-RN1507
	Shim for RN .. 1207 ..	AP418-RN1207	
	Screw for shim Tightening torque	FS2241 (T20) 5 Nm	FS2242 (SW 2) 2 Nm
	Clamp with screw	PK258-SET	PK258-SET
	Carbide clamping plate	FK380	FK380
	Allen key for clamp	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	Allen key for shim	FS256 (T20)	ISO2936-2 (SW 2.5)

Accessories

Type	RN .. 1207 ..	RN .. 1507 ..
Shim for RN .. 1204 ..	AP421-RN1204	

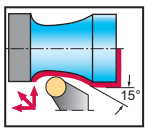
Shank tool - Rigid clamping

CRSN...-P mm

Walter Turn

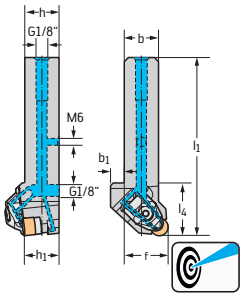


– Precision cooling
– For ceramic indexable inserts





Tool



Square shank

Designation		h = h1 mm	b mm	l1 mm	l4 mm	f mm	γ	λs	Type
CRSNR2525X12-P	12	25	25	130	38.5	32	-6°	-6°	RN .. 1207 ..
CRSNL2525X12-P	12	25	25	130	38.5	32	-6°	-6°	RN .. 1207 ..

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	RN .. 1207 .. 25
Shim for RN .. 1207 ..	AP418-RN1207
Screw for shim Tightening torque	FS2241 (T20) 5 Nm
Clamp	PK268
Screw for clamp Tightening torque	FS1474 (T20IP) 6.4 Nm
Pressure spring	FS2298
G 1/8" threaded plug	FS2258 (SW 2)
M6 threaded plug	FS2288 (SW 3)
Torx key	FS1464 (T20IP)

Accessories

Type	RN .. 1207 ..
(standard assembly parts) Clamp set	PK268-SET
Shim for RN .. 1204 ..	AP421-RN1204

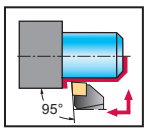
Turning tools – Rigid clamping

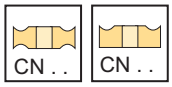
C...-DCLN mm

Walter Turn



– Walter Capto™





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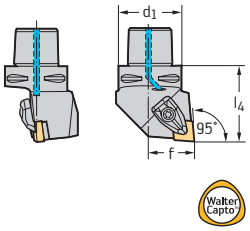


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DCLNL-27050-12	0.472	C4	1.063	1.969	4.331	5.512	-6°	-6°	CN .. 43 . CN .. 1204 ..
C4-DCLNR-27050-12	0.472	C4	1.063	1.969	4.331	5.512	-6°	-6°	
C5-DCLNL-35060-12	0.472	C5	1.378	2.362	4.331	6.496	-6°	-6°	
C5-DCLNR-35060-12	0.472	C5	1.378	2.362	4.331	6.496	-6°	-6°	
C6-DCLNL-45065-12	0.472	C6	1.772	2.559	4.331	7.480	-6°	-6°	
C6-DCLNR-45065-12	0.472	C6	1.772	2.559	4.331	7.480	-6°	-6°	
C8-DCLNL-55080-12	0.472	C8	2.165	3.150	4.331	9.843	-6°	-6°	
C8-DCLNR-55080-12	0.472	C8	2.165	3.150	4.331	9.843	-6°	-6°	
C4-DCLNL-27055-16	0.630	C4	1.063	2.165	4.921	5.709	-6°	-6°	CN .. 54 . CN .. 1606 ..
C4-DCLNR-27055-16	0.630	C4	1.063	2.165	4.921	5.709	-6°	-6°	
C5-DCLNL-35060-16	0.630	C5	1.378	2.362	4.921	6.496	-6°	-6°	
C5-DCLNR-35060-16	0.630	C5	1.378	2.362	4.921	6.496	-6°	-6°	
C6-DCLNL-45065-16	0.630	C6	1.772	2.559	4.921	7.480	-6°	-6°	
C6-DCLNR-45065-16	0.630	C6	1.772	2.559	4.921	7.480	-6°	-6°	
C8-DCLNL-55080-16	0.630	C8	2.165	3.150	4.921	9.843	-6°	-6°	
C8-DCLNR-55080-16	0.630	C8	2.165	3.150	4.921	9.843	-6°	-6°	
C5-DCLNL-35060-19	0.748	C5	1.378	2.362	3.150	6.496	-6°	-6°	CN .. 64 . CN .. 1906 ..
C5-DCLNR-35060-19	0.748	C5	1.378	2.362	3.150	6.496	-6°	-6°	
C6-DCLNL-45065-19	0.748	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C6-DCLNR-45065-19	0.748	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C8-DCLNL-55080-19	0.748	C8	2.165	3.150	3.937	1.969	-6°	-6°	
C8-DCLNR-55080-19	0.748	C8	2.165	3.150	3.937	9.843	-6°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	CN .. 43 . CN .. 1204 .. C4–C8	CN .. 54 . CN .. 1606 .. C4–C8	CN .. 64 . CN .. 1906 .. C5–C8
Shim	AP301-CN12	AP302-CN16	AP303-CN19
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK241	PK242	PK243
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS1470	FS1471	FS1471
Pin	RS117	RS117	RS117
C4 cooling lubricant nozzle	FS1475	FS1475	FS1475
Torx key	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

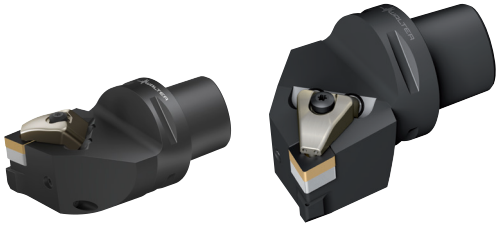
Accessories

	Type	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..	CN .. 64 . CN .. 1906 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET	
	Insert with hole Carbide clamp set	PK254-SET		
	Shim for CN .. 1207 ..	AP411-CN1207		

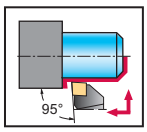
Turning tools – Rigid clamping

C...-DCLN...-P mm

Walter Turn

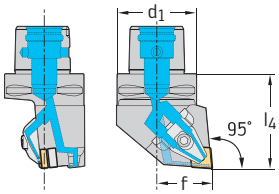


– Precision cooling
– TM





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DCLNR-27050-12-P	0.472	C4	1.063	1.969	19.685	19.685	-6°	-6°	CN .. 43 . CN .. 1204 ..
C5-DCLNR-35060-12-P	0.472	C5	1.378	2.362	23.622	23.622	-6°	-6°	
C6-DCLNR-45065-12-P	0.472	C6	1.772	2.559	23.622	23.622	-6°	-6°	
C8-DCLNR-55080-12-P	0.472	C8	2.165	3.150	27.559	27.559	-6°	-6°	
C5-DCLNR-35060-16-P	0.630	C5	1.378	2.362	23.622	23.622	-5,5°	-6,4°	CN .. 54 . CN .. 1606 ..
C6-DCLNR-45065-16-P	0.630	C6	1.772	2.559	23.622	23.622	-6°	-6°	
C8-DCLNR-55080-16-P	0.630	C8	2.165	3.150	27.559	27.559	-5,5°	-6,4°	
C4-DCLNL-27050-12-P	0.472	C4	1.063	1.969	19.685	19.685	-6°	-6°	CN .. 43 . CN .. 1204 ..
C5-DCLNL-35060-12-P	0.472	C5	1.378	2.362	23.622	23.622	-6°	-6°	
C6-DCLNL-45065-12-P	0.472	C6	1.772	2.559	23.622	23.622	-6°	-6°	
C8-DCLNL-55080-12-P	0.472	C8	2.165	3.150	27.559	27.559	-6°	-6°	
C5-DCLNL-35060-16-P	0.630	C5	1.378	2.362	23.622	23.622	-5,5°	-6,4°	CN .. 54 . CN .. 1606 ..
C6-DCLNL-45065-16-P	0.630	C6	1.772	2.559	23.622	23.622	-6°	-6°	
C8-DCLNL-55080-16-P	0.630	C8	2.165	3.150	27.559	27.559	-5,5°	-6,4°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	CN .. 43 . CN .. 1204 .. C4–C8	CN .. 54 . CN .. 1606 .. C5–C8
Shim	AP301-CN12	AP302-CN16
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK255	PK267
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS2188	FS2298
Torx key	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

Type	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..
(standard assembly parts) Clamp set	PK255-SET	PK267-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

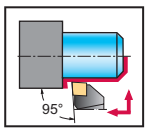
Turning tools – Lever clamping

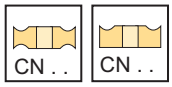
C...-PCLN mm

Walter Turn

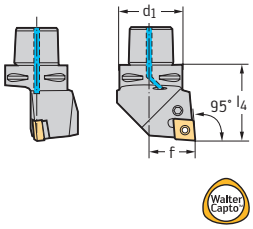


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C3-PCLNL-22040-12	0.472	C3	0.866	1.575	2.362	4.567	-6°	-6°	CN .. 43 . CN .. 1204 ..
C3-PCLNR-22040-12	0.472	C3	0.866	1.575	2.362	4.567	-6°	-6°	
C4-PCLNL-27050-12	0.472	C4	1.063	1.969	2.362	5.512	-6°	-6°	
C4-PCLNR-27050-12	0.472	C4	1.063	1.969	2.362	5.512	-6°	-6°	
C5-PCLNL-35060-12	0.472	C5	1.378	2.362	2.559	6.496	-6°	-6°	
C5-PCLNR-35060-12	0.472	C5	1.378	2.362	2.559	6.496	-6°	-6°	
C6-PCLNL-45065-12	0.472	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C6-PCLNR-45065-12	0.472	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C8-PCLNL-55080-12	0.472	C8	2.165	3.150	3.937	9.843	-6°	-6°	
C8-PCLNR-55080-12	0.472	C8	2.165	3.150	3.937	9.843	-6°	-6°	
C4-PCLNL-27050-16	0.630	C4	1.063	1.969	3.150	5.512	-6°	-6°	CN .. 54 . CN .. 1606 ..
C4-PCLNR-27050-16	0.630	C4	1.063	1.969	3.150	5.512	-6°	-6°	
C5-PCLNL-35060-16	0.630	C5	1.378	2.362	3.150	6.496	-6°	-6°	
C5-PCLNR-35060-16	0.630	C5	1.378	2.362	3.150	6.496	-6°	-6°	
C6-PCLNL-45065-16	0.630	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C6-PCLNR-45065-16	0.630	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C8-PCLNL-55080-16	0.630	C8	2.165	3.150	3.937	9.843	-6°	-6°	
C8-PCLNR-55080-16	0.630	C8	2.165	3.150	3.937	9.843	-6°	-6°	
C6-PCLNL-45065-19	0.748	C6	1.772	2.559	0.039	7.480	-6°	-6°	CN .. 64 . CN .. 1906 ..
C6-PCLNR-45065-19	0.748	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C8-PCLNL-55080-19	0.748	C8	2.165	3.150	3.937	9.843	-6°	-6°	
C8-PCLNR-55080-19	0.748	C8	2.165	3.150	3.937	9.843	-6°	-6°	
C8-PCLNL-55080-25	0.984	C8	2.165	3.150	5.906	9.843	-6°	-6°	CN .. 86 . CN .. 2509 ..
C8-PCLNR-55080-25	0.984	C8	2.165	3.150	5.906	9.843	-6°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	CN .. 43 . CN .. 1204 .. C3–C4	CN .. 43 . CN .. 1204 .. C5–C6	CN .. 43 . CN .. 1204 .. C8	CN .. 54 . CN .. 1606 .. C4	CN .. 54 . CN .. 1606 .. C5–C6	CN .. 54 . CN .. 1606 .. C8	CN .. 64 . CN .. 1906 .. C6	CN .. 64 . CN .. 1906 .. C8	CN .. 86 . CN .. 2509 .. C8
Shim	AP134-CN1216	AP134-CN1216	AP134-CN1216	AP135-CN1624	AP135-CN1624	AP135-CN1624	AP136-CN1924	AP136-CN1924	AP192-CN2524
Lever	KN102	KN102	KN102	KN104	KN104	KN104	KN106	KN106	KN107
Clamping screw Tightening torque	FS352 44 in lbs	FS352 44 in lbs	FS352 44 in lbs	FS354 (SW 3) 44 in lbs	FS354 (SW 3) 44 in lbs	FS354 (SW 3) 44 in lbs	FS356 89 in lbs	FS356 89 in lbs	FS357 89 in lbs
Shim pin	RS102	RS102	RS102	RS103	RS103	RS103	RS104	RS104	RS105
Tapered assembly pin	MD101	MD101	MD101	MD102	MD102	MD102	MD102	MD102	MD103
C3 cooling lubricant nozzle	FS1477			FS1477					
C5 cooling lubricant nozzle		FS1476			FS1476		FS1476		
C8 cooling lubricant nozzle			FS1479			FS1479		FS1479	FS1479

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Assembly parts

	Type d_1	CN .. 43 . CN .. 1204 .. C3–C4	CN .. 43 . CN .. 1204 .. C5–C6	CN .. 43 . CN .. 1204 .. C8	CN .. 54 . CN .. 1606 .. C4	CN .. 54 . CN .. 1606 .. C5–C6	CN .. 54 . CN .. 1606 .. C8	CN .. 64 . CN .. 1906 .. C6	CN .. 64 . CN .. 1906 .. C8	CN .. 86 . CN .. 2509 .. C8
	Allen key	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)	
	Allen key									ISO2936-5 (SW5)

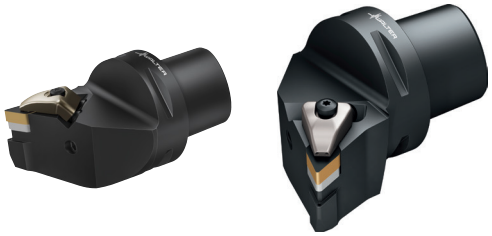
Accessories

	Type	CN .. 1204 ..	CN .. 1606 ..	CN .. 1906 ..	CN .. 2509 ..
	Shim	AP134-CN1208	AP135-CN1616	AP136-CN1912	

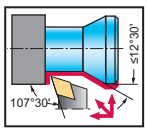
Turning tools – Rigid clamping

C...-DDHN...-P mm

Walter Turn

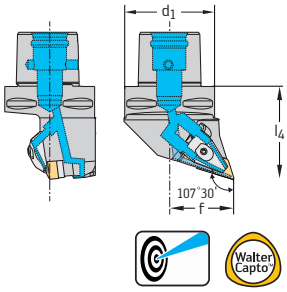


– Precision cooling
– TM



DN . .

Tool



Walter Capto™ in acc. with ISO 26623

Designation	f	d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C6-DDHNR-45065-15-P	0.591	C6	1.772	2.559	19.685	27.559	-6°	7°	DN .. 44 . DN .. 1506 ..
C6-DDHNL-45065-15-P	0.591	C6	1.772	2.559	19.685	27.559	-6°	-7°	DN .. 44 . DN .. 1506 ..

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	DN .. 44 . DN .. 1506 .. C6
Shim	AP304-DN15
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs
Clamp	PK256
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
Pressure spring	FS2188
Torx key	FS1465 (T15IP)

Accessories

Type	DN .. 44 . DN .. 1506 ..
(standard assembly parts) Clamp set	PK256-SET
Shim for DN .. 1504 ..	AP304-DN1504

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

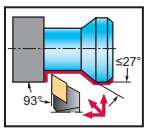
Turning tools – Rigid clamping

C...-DDJN mm

Walter Turn

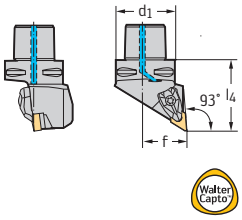


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DDJNL-27050-11	0.433	C4	1.063	1.969	2.362	5.512	-6°	-7°	DN .. 33 . DN .. 1104 ..
C4-DDJNR-27050-11	0.433	C4	1.063	1.969	2.362	5.512	-6°	-7°	
C5-DDJNL-35060-11	0.433	C5	1.378	2.362	2.559	6.496	-6°	-7°	
C5-DDJNR-35060-11	0.433	C5	1.378	2.362	2.559	6.496	-6°	-7°	
C6-DDJNL-45065-11	0.433	C6	1.772	2.559	3.189	7.480	-6°	-7°	
C6-DDJNR-45065-11	0.433	C6	1.772	2.559	3.189	7.480	-6°	-7°	
C4-DDJNL-27055-15	0.591	C4	1.063	2.165	4.331	5.709	-6°	-7°	DN .. 44 . DN .. 1506 ..
C4-DDJNR-27055-15	0.591	C4	1.063	2.165	4.331	5.709	-6°	-7°	
C5-DDJNL-35060-15	0.591	C5	1.378	2.362	4.331	6.496	-6°	-7°	
C5-DDJNR-35060-15	0.591	C5	1.378	2.362	4.331	6.496	-6°	-7°	
C6-DDJNL-45065-15	0.591	C6	1.772	2.559	4.331	7.480	-6°	-7°	
C6-DDJNR-45065-15	0.591	C6	1.772	2.559	4.331	7.480	-6°	-7°	
C8-DDJNL-55080-15	0.591	C8	2.165	3.150	4.331	9.843	-6°	-7°	
C8-DDJNR-55080-15	0.591	C8	2.165	3.150	4.331	9.843	-6°	-7°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	DN .. 33 . DN .. 1104 .. C4	DN .. 33 . DN .. 1104 .. C5–C6	DN .. 44 . DN .. 1506 .. C4	DN .. 44 . DN .. 1506 .. C5	DN .. 44 . DN .. 1506 .. C6	DN .. 44 . DN .. 1506 .. C8
Shim	AP305-DN11	AP305-DN11	AP304-DN15	AP304-DN15	AP304-DN15	AP304-DN15
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs
Clamp	PK240	PK240	PK241	PK241	PK241	PK241
Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs
Pressure spring	FS1469	FS1469	FS1470	FS1470	FS1470	FS1470
Pin	RS116	RS116	RS117	RS117	RS117	RS117
C4 cooling lubricant nozzle	FS1477		FS1477			
C5 cooling lubricant nozzle		FS1476		FS1475	FS1476	
C8 cooling lubricant nozzle						FS1479
Torx key	FS1466 (T9IP)	FS1466 (T9IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

Type	DN .. 33 . DN .. 1104 ..	DN .. 44 . DN .. 1506 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

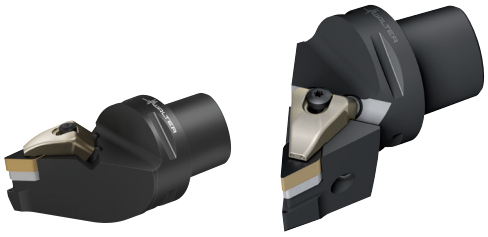
Accessories

	Type	DN .. 33 . DN .. 1104 ..	DN .. 44 . DN .. 1506 ..
	Insert without hole Carbide clamp set		PK245-SET
	Insert without hole Carbide clamp set		PK254-SET
	Shim for DN .. 1504 ..		AP304-DN1504
	Shim for DN .. 1507 ..		AP412-DN1507

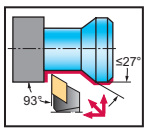
Turning tools – Rigid clamping

C...-DDJN...-P mm

Walter Turn

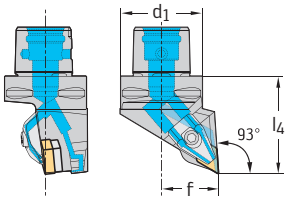


– Precision cooling
– TM





Tool



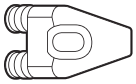
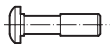
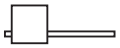


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DDJNR-27055-11-P	0.433	C4	1.063	2.165	19.685	19.685	-6°	-7°	DN .. 33 . DN .. 1104 ..
C4-DDJNR-27055-15-P	0.591	C4	1.063	2.165	19.685	19.685	-6°	-7°	DN .. 44 . DN .. 1506 ..
C5-DDJNR-35060-15-P	0.591	C5	1.378	2.362	19.685	23.622	-6°	-7°	
C6-DDJNR-45065-15-P	0.591	C6	1.772	2.559	19.685	23.622	-6°	-7°	
C8-DDJNR-55080-15-P	0.591	C8	2.165	3.150	0.043	27.559	-6°	-7°	
C4-DDJNL-27055-11-P	0.433	C4	1.063	2.165	19.685	19.685	-6°	-7°	DN .. 33 . DN .. 1104 ..
C4-DDJNL-27055-15-P	0.591	C4	1.063	2.165	19.685	19.685	-6°	-7°	DN .. 44 . DN .. 1506 ..
C5-DDJNL-35060-15-P	0.591	C5	1.378	2.362	19.685	23.622	-6°	-7°	
C6-DDJNL-45065-15-P	0.591	C6	1.772	2.559	19.685	23.622	-6°	-7°	
C8-DDJNL-55080-15-P	0.591	C8	2.165	3.150	0.043	27.559	-6°	-7°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type d_1	DN .. 33 . DN .. 1104 .. C4	DN .. 44 . DN .. 1506 .. C4–C8
	Shim	AP305-DN11	AP304-DN15
	Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs
	Clamp	PK255	PK256
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS2188	FS2188
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

	Type	DN .. 33 . DN .. 1104 ..	DN .. 44 . DN .. 1506 ..
	(standard assembly parts) Clamp set	PK255-SET	PK256-SET
	Shim for DN .. 1504 ..		AP304-DN1504

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

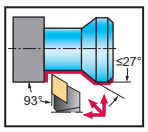
Turning tools – Lever clamping

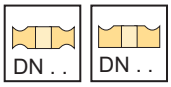
C...-PDJN mm

Walter Turn

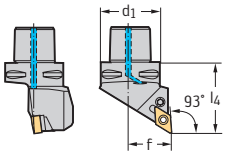


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C3-PDJNL-22045-11	0.433	C3	0.866	1.772	3.150	4.567	-6°	-7°	DN .. 33 . DN .. 1104 ..
C3-PDJNR-22045-11	0.433	C3	0.866	1.772	3.150	4.567	-6°	-7°	
C4-PDJNL-27050-11	0.433	C4	1.063	1.969	3.150	5.512	-6°	-7°	
C4-PDJNR-27050-11	0.433	C4	1.063	1.969	3.150	5.512	-6°	-7°	
C5-PDJNL-35060-11	0.433	C5	1.378	2.362	3.150	6.496	-6°	-7°	
C5-PDJNR-35060-11	0.433	C5	1.378	2.362	3.150	6.496	-6°	-7°	
C4-PDJNL-27050-15	0.591	C4	1.063	1.969	3.150	5.512	-6°	-7°	DN .. 44 . DN .. 1506 ..
C4-PDJNR-27050-15	0.591	C4	1.063	1.969	3.150	5.512	-6°	-7°	
C5-PDJNL-35060-15	0.591	C5	1.378	2.362	3.150	6.496	-6°	-7°	
C5-PDJNR-35060-15	0.591	C5	1.378	2.362	3.150	6.496	-6°	-7°	
C6-PDJNL-45065-15	0.591	C6	1.772	2.559	3.150	7.480	-6°	-7°	
C6-PDJNR-45065-15	0.591	C6	1.772	2.559	3.150	7.480	-6°	-7°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	DN .. 33 . DN .. 1104 .. C3–C4	DN .. 33 . DN .. 1104 .. C5	DN .. 44 . DN .. 1506 .. C4	DN .. 44 . DN .. 1506 .. C5–C6
Shim	AP171-DN1112	AP171-DN1112	AP145-DN1516	AP145-DN1516
Lever	KN119	KN119	KN103	KN103
Clamping screw Tightening torque	FS351 18 in lbs	FS351 18 in lbs	FS355 44 in lbs	FS355 44 in lbs
Shim pin	RS101	RS101	RS102	RS102
Tapered assembly pin	MD101	MD101	MD101	MD101
C3 cooling lubricant nozzle	FS1477		FS1477	
C5 cooling lubricant nozzle		FS1476		FS1476
Allen key	ISO2936-2.5 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)

Accessories

Type	DN .. 33 . DN .. 1104 ..	DN .. 44 . DN .. 1506 ..
Shim	AP171-DN1108	AP145-DN1508
Shim for DN .. 1504 ..		AP357-DN1508
Shim for DN .. 1504 ..		AP357-DN1516

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

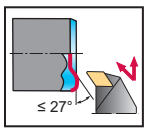
Turning tools – Rigid clamping

C...-DDUN mm

Walter Turn

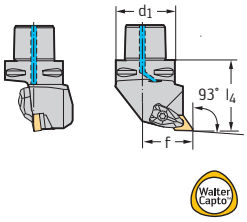


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DDUNL-27050-15	0.591	C4	1.063	1.969	4.331	5.512	-6°	-7°	DN .. 44 . DN .. 1506 ..
C4-DDUNR-27050-15	0.591	C4	1.063	1.969	4.331	5.512	-6°	-7°	
C5-DDUNL-35060-15	0.591	C5	1.378	2.362	4.331	6.496	-6°	-7°	
C5-DDUNR-35060-15	0.591	C5	1.378	2.362	4.331	6.496	-6°	-7°	
C6-DDUNL-45065-15	0.591	C6	1.772	2.559	4.331	7.480	-6°	-7°	
C6-DDUNR-45065-15	0.591	C6	1.772	2.559	4.331	7.480	-6°	-7°	
C8-DDUNL-55080-15	0.591	C8	2.165	3.150	4.331	9.843	-6°	-7°	
C8-DDUNR-55080-15	0.591	C8	2.165	3.150	4.331	9.843	-6°	-7°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	DN .. 44 . DN .. 1506 .. C4	DN .. 44 . DN .. 1506 .. C5–C6	DN .. 44 . DN .. 1506 .. C8
Shim	AP304-DN15	AP304-DN15	AP304-DN15
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs
Clamp	PK241	PK241	PK241
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs
Pressure spring	FS1471	FS1471	FS1471
Pin	RS117	RS117	RS117
C4 cooling lubricant nozzle	FS1477		
C5 cooling lubricant nozzle		FS1476	
C8 cooling lubricant nozzle			FS1479
Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

Type	DN .. 44 . DN .. 1506 ..
(standard assembly parts) Clamp set	PK241-SET
Insert without hole Carbide clamp set	PK245-SET
Insert without hole Carbide clamp set	PK254-SET
Shim for DN .. 1504 ..	AP304-DN1504
Shim for DN .. 1507 ..	AP412-DN1507

WALTER SELECT

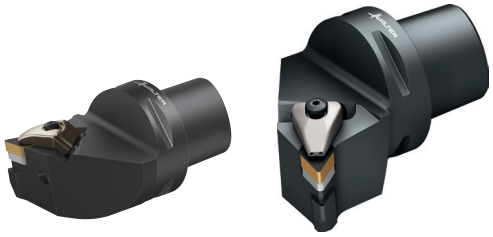
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

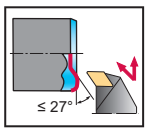
Turning tools – Rigid clamping

C...-DDUN...-P mm

Walter Turn

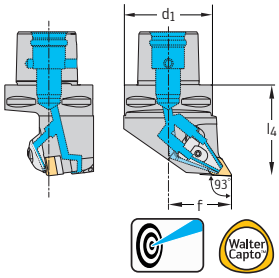


– Precision cooling
– TM





Tool

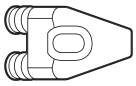
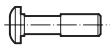
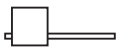


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C6-DDUNR-45065-15-P	0.591	C6	1.772	2.559	19.685	23.622	-6,5°	-6°	DN .. 44 . DN .. 1506 ..
C6-DDUNL-45065-15-P	0.591	C6	1.772	2.559	19.685	23.622	-6,5°	-6°	DN .. 44 . DN .. 1506 ..

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type d_1	DN .. 44 . DN .. 1506 .. C6
	Shim	AP304-DN15
	Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs
	Clamp	PK256
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS2188
	Torx key	FS1465 (T15IP)

Accessories

	Type	DN .. 44 . DN .. 1506 ..
	(standard assembly parts) Clamp set	PK256-SET
	Shim for DN .. 1504 ..	AP304-DN1504

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

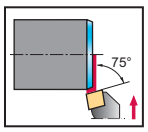
Turning tools – Rigid clamping

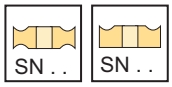
C...-DSKN mm

Walter Turn

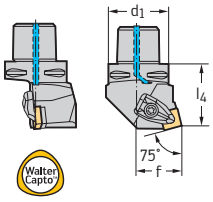


– Walter Capto™





Tool

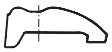
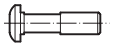
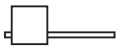


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DSKNL-27050-12	0.472	C4	1.063	1.969	4.331		-6°	-6°	SN .. 43 . SN .. 1204 ..
C4-DSKNR-27050-12	0.472	C4	1.063	1.969	4.331		-6°	-6°	
C5-DSKNL-35060-12	0.472	C5	1.378	2.362	4.331		-6°	-6°	
C5-DSKNR-35060-12	0.472	C5	1.378	2.362	4.331		-6°	-6°	
C6-DSKNL-45065-12	0.472	C6	1.772	2.559	4.331		-6°	-6°	
C6-DSKNR-45065-12	0.472	C6	1.772	2.559	4.331		-6°	-6°	
C5-DSKNL-35060-15	0.591	C5	1.378	2.362	4.921		-6°	-6°	SN .. 54 . SN .. 1506 ..
C5-DSKNR-35060-15	0.591	C5	1.378	2.362	4.921		-6°	-6°	
C6-DSKNL-45065-19	0.748	C6	1.772	2.559	4.921		-6°	-6°	SN .. 64 . SN .. 1906 ..
C6-DSKNR-45065-19	0.748	C6	1.772	2.559	4.921		-6°	-6°	
C8-DSKNL-55080-19	0.748	C8	2.165	3.150	4.921		-6°	-6°	
C8-DSKNR-55080-19	0.748	C8	2.165	3.150	4.921		-6°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1		SN .. 43 . SN .. 1204 .. C4	SN .. 43 . SN .. 1204 .. C5–C6	SN .. 54 . SN .. 1506 .. C5	SN .. 64 . SN .. 1906 .. C6	SN .. 64 . SN .. 1906 .. C8
	Shim	AP308-SN12	AP308-SN12	AP309-SN15	AP310-SN19	AP310-SN19
	Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs
	Clamp	PK241	PK241	PK242	PK243	PK243
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs
	Pressure spring	FS1470	FS1470	FS1471	FS1471	FS1471
	Pin	RS117	RS117	RS117	RS117	RS117
	C4 cooling lubricant nozzle	FS1477				
	C5 cooling lubricant nozzle		FS1476	FS1476	FS1476	
	C8 cooling lubricant nozzle					FS1479
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)	FS1464 (T20IP)

Accessories

Type		SN .. 43 . SN .. 1204 ..	SN .. 54 . SN .. 1506 ..	SN .. 64 . SN .. 1906 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET	

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Accessories

	Type	SN .. 43 . SN .. 1204 ..	SN .. 54 . SN .. 1506 ..	SN .. 64 . SN .. 1906 ..
	Insert with hole Carbide clamp set	PK254-SET		
	Shim for SN .. 1207 ..	AP413-SN1207		

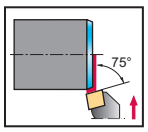
Turning tools – Lever clamping

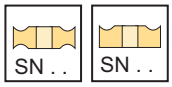
C...-PSKN mm

Walter Turn

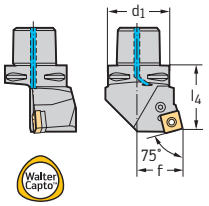


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C6-PSKNL-45065-15	0.591	C6	1.772	2.559	3.189	7.480	-6°	-6°	SN .. 54 . SN .. 1506 ..
C6-PSKNR-45065-15	0.591	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C6-PSKNL-45065-19	0.748	C6	1.772	2.559	3.189	7.480	-6°	-6°	SN .. 64 . SN .. 1906 ..
C6-PSKNR-45065-19	0.748	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C8-PSKNL-55080-19	0.748	C8	2.165	3.150	3.937	9.843	-6°	-6°	
C8-PSKNR-55080-19	0.748	C8	2.165	3.150	3.937	9.843	-6°	-6°	

Assembly parts

Type d_1	SN .. 54 . SN .. 1506 .. C6	SN .. 64 . SN .. 1906 .. C6	SN .. 64 . SN .. 1906 .. C8
Shim	AP142-SN1524	AP143-SN1924	AP143-SN1924
Lever	KN104	KN106	KN106
Clamping screw Tightening torque	FS354 (SW 3) 44 in lbs	FS356 89 in lbs	FS356 89 in lbs
Shim pin	RS103	RS104	RS104
Tapered assembly pin	MD102	MD102	MD102
C6 cooling lubricant nozzle	FS1476	FS1476	
C8 cooling lubricant nozzle			FS1479
Allen key	ISO2936-3 (SW 3.5)	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)

Accessories

Type	SN .. 54 . SN .. 1506 ..	SN .. 64 . SN .. 1906 ..
Shim	AP142-SN1516	AP143-SN1912

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

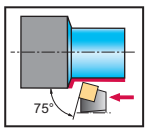
Turning tools – Rigid clamping

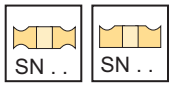
C...-DSRN mm

Walter Turn

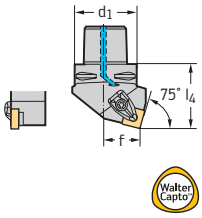


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DSRNL-22050-12	0.472	C4	0.866	1.969		5.512	-6°	-6°	SN .. 43 . SN .. 1204 ..
C4-DSRNR-22050-12	0.472	C4	0.866	1.969		5.512	-6°	-6°	
C5-DSRNL-27060-12	0.472	C5	1.063	2.362		6.496	-6°	-6°	
C5-DSRNR-27060-12	0.472	C5	1.063	2.362		6.496	-6°	-6°	
C6-DSRNL-35065-12	0.472	C6	1.378	2.559		7.480	-6°	-6°	
C6-DSRNR-35065-12	0.472	C6	1.378	2.559		7.480	-6°	-6°	
C5-DSRNL-27060-15	0.591	C5	1.063	2.362		6.496	-6°	-6°	SN .. 54 . SN .. 1506 ..
C5-DSRNR-27060-15	0.591	C5	1.063	2.362		6.496	-6°	-6°	
C6-DSRNL-35065-15	0.591	C6	1.378	2.559		7.480	-6°	-6°	
C6-DSRNR-35065-15	0.591	C6	1.378	2.559		7.480	-6°	-6°	
C6-DSRNL-35065-19	0.748	C6	1.378	2.559		7.480	-6°	-6°	SN .. 64 . SN .. 1906 ..
C6-DSRNR-35065-19	0.748	C6	1.378	2.559		7.480	-6°	-6°	
C8-DSRNL-45080-19	0.748	C8	1.772	3.150		9.843	-6°	-6°	
C8-DSRNR-45080-19	0.748	C8	1.772	3.150		9.843	-6°	-6°	
C8-DSRNL-45080-25	0.984	C8	1.772	3.150		9.843	-6°	-6°	SN .. 85 . SN .. 2507 ..
C8-DSRNR-45080-25	0.984	C8	1.772	3.150		9.843	-6°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	SN .. 43 . SN .. 1204 .. C4–C6	SN .. 54 . SN .. 1506 .. C5–C6	SN .. 64 . SN .. 1906 .. C6–C8	SN .. 85 . SN .. 2507 .. C8
Shim	AP308-SN12	AP309-SN15	AP310-SN19	AP351-SN25
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs	FS1589 (T25IP) 84 in lbs
Clamp	PK241	PK242	PK243	PK301
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs	FS1591 (T25IP) 84 in lbs
Pressure spring	FS1470	FS1471	FS1471	FS1471
Pin	RS117	RS117	RS117	RS117
C4 cooling lubricant nozzle	FS1475	FS1475	FS1475	FS1475
Torx key	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)	FS1592 (T25IP)

Accessories

Type	SN .. 43 . SN .. 1204 ..	SN .. 54 . SN .. 1506 ..	SN .. 64 . SN .. 1906 ..	SN .. 85 . SN .. 2507 ..
(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET	PK301-SET
Insert with hole Carbide clamp set	PK245-SET	PK246-SET		

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Accessories

	Type	SN .. 43 . SN .. 1204 ..	SN .. 54 . SN .. 1506 ..	SN .. 64 . SN .. 1906 ..	SN .. 85 . SN .. 2507 ..
	Insert with hole Carbide clamp set	PK254-SET			
	Shim for SN .. 2509 ..				AP351-SN2509

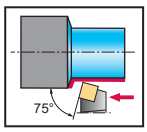
Turning tools – Lever clamping

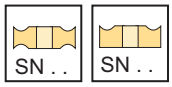
C...-PSRN mm

Walter Turn

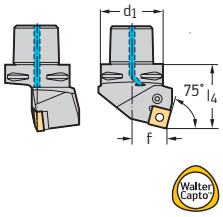


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C6-PSRNL-35065-19	0.748	C6	1.378	2.559			-6°	-6°	SN .. 64 . SN .. 1906 ..
C6-PSRNR-35065-19	0.748	C6	1.378	2.559			-6°	-6°	
C8-PSRNL-45080-19	0.748	C8	1.772	3.150			-6°	-6°	
C8-PSRNR-45080-19	0.748	C8	1.772	3.150			-6°	-6°	
C8-PSRNL-45080-25	0.984	C8	1.772	3.150			-6°	-6°	SN .. 85 . SN .. 2507 ..
C8-PSRNR-45080-25	0.984	C8	1.772	3.150			-6°	-6°	

Assembly parts

Type d_1	SN .. 64 . SN .. 1906 .. C6	SN .. 64 . SN .. 1906 .. C8	SN .. 85 . SN .. 2507 .. C8
Shim	AP143-SN1924	AP143-SN1924	AP144-SN2524
Lever	KN106	KN106	KN107
Clamping screw Tightening torque	FS356 89 in lbs	FS356 89 in lbs	FS357 124 in lbs
Shim pin	RS104	RS104	RS105
Tapered assembly pin	MD102	MD102	MD103
Allen key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)	ISO2936-5 (SW5)
C6 cooling lubricant nozzle	FS1476		
C8 cooling lubricant nozzle		FS1479	FS1479

Accessories

Type	SN .. 64 . SN .. 1906 ..	SN .. 85 . SN .. 2507 ..
Shim	AP143-SN1912	AP191-SN250924

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

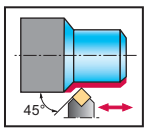
Turning tools – Rigid clamping

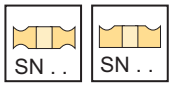
C...-DSDN mm

Walter Turn

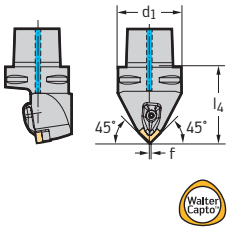


– Walter Capto™





Tool

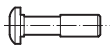
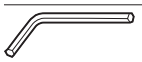


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DSDNN-00050-12	0.472	C4	0.000	1.969		5.512	-6°	-6°	SN .. 43 . SN .. 1204 ..
C5-DSDNN-00060-12	0.472	C5	0.000	2.362		6.496	-6°	-6°	
C6-DSDNN-00065-12	0.472	C6	0.000	2.559		7.480	-6°	-6°	
C6-DSDNN-00070-19	0.748	C6	0.039	2.756		7.677	-6°	-6°	SN .. 64 . SN .. 1906 ..
C8-DSDNN-00080-25	0.984	C8	0.039	3.150		9.843	-6°	-6°	SN .. 85 . SN .. 2507 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type d_1	SN .. 43 . SN .. 1204 .. C4	SN .. 43 . SN .. 1204 .. C5–C6	SN .. 64 . SN .. 1906 .. C6	SN .. 85 . SN .. 2507 .. C8
	Shim	AP308-SN12	AP308-SN12	AP310-SN19	AP351-SN25
	Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs	FS1589 (T25IP) 84 in lbs
	Clamp	PK241	PK241	PK243	PK301
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs	FS1591 (T25IP) 84 in lbs
	Pressure spring	FS1470	FS1470	FS1471	FS1471
	Pin	RS117	RS117	RS117	RS117
	C4 cooling lubricant nozzle	FS1477			
	C5 cooling lubricant nozzle		FS1475	FS1475	FS1475
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)	FS1592 (T25IP)

Accessories

	Type	SN .. 43 . SN .. 1204 ..	SN .. 64 . SN .. 1906 ..	SN .. 85 . SN .. 2507 ..
	(standard assembly parts) Clamp set	PK241-SET	PK243-SET	PK301-SET
	Insert without hole Carbide clamp set	PK245-SET		
	Insert without hole Carbide clamp set	PK254-SET		
	Shim for SN .. 1207 ..	AP413-SN1207		
	Shim for SN .. 2509 ..			AP351-SN2509

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

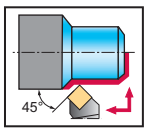
Turning tools – Rigid clamping

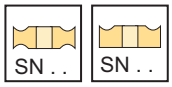
C...-DSSN mm

Walter Turn

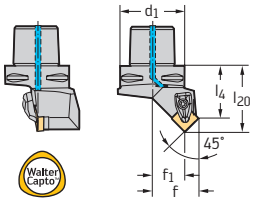


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	f_1 in	l_4 in	l_{20} in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DSSNL-27042-12	0.472	C4	1.063	0.748	1.654	1.969	4.331	5.512	-8°	0°	SN .. 43 . SN .. 1204 ..
C4-DSSNR-27042-12	0.472	C4	1.063	0.748	1.654	1.969	4.331	5.512	-8°	0°	
C5-DSSNL-35052-12	0.472	C5	1.378	1.063	2.047	2.362	4.331	6.496	-8°	0°	
C5-DSSNR-35052-12	0.472	C5	1.378	1.063	2.047	2.362	4.331	6.496	-8°	0°	
C6-DSSNL-45056-12	0.472	C6	1.772	1.457	2.205	2.520	4.331	7.480	-8°	0°	
C6-DSSNR-45056-12	0.472	C6	1.772	1.457	2.205	2.520	4.331	7.480	-8°	0°	
C4-DSSNL-27045-15	0.591	C4	1.063	0.669	1.772	2.165	4.921	5.709	-8°	0°	SN .. 54 . SN .. 1506 ..
C4-DSSNR-27045-15	0.591	C4	1.063	0.669	1.772	2.165	4.921	5.709	-8°	0°	
C5-DSSNL-35050-15	0.591	C5	1.378	0.984	1.969	2.362	4.921	6.496	-8°	0°	
C5-DSSNR-35050-15	0.591	C5	1.378	0.984	1.969	2.362	4.921	6.496	-8°	0°	
C6-DSSNL-45054-15	0.591	C6	1.772	1.378	2.126	2.362	4.921	7.480	-8°	0°	
C6-DSSNR-45054-15	0.591	C6	1.772	1.378	2.126	2.362	4.921	7.480	-8°	0°	
C6-DSSNL-45052-19	0.748	C6	1.772	1.299	2.047	2.520	4.921	7.480	-8°	0°	SN .. 64 . SN .. 1906 ..
C6-DSSNR-45052-19	0.748	C6	1.772	1.299	2.047	2.520	4.921	7.480	-8°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	SN .. 43 . SN .. 1204 .. C4	SN .. 43 . SN .. 1204 .. C5	SN .. 43 . SN .. 1204 .. C6	SN .. 54 . SN .. 1506 .. C4	SN .. 54 . SN .. 1506 .. C5	SN .. 54 . SN .. 1506 .. C6	SN .. 64 . SN .. 1906 .. C6
Shim	AP308-SN12	AP308-SN12	AP308-SN12	AP309-SN15	AP309-SN15	AP309-SN15	AP310-SN19
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK241	PK241	PK241	PK242	PK242	PK242	PK243
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS1470	FS1470	FS1470	FS1471	FS1471	FS1471	FS1471
Pin	RS117	RS117	RS117	RS117	RS117	RS117	RS117
C4 cooling lubricant nozzle	FS1477			FS1477			
C5 cooling lubricant nozzle		FS1476			FS1476		FS1476
C6 cooling lubricant nozzle			FS1475			FS1475	
Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)	FS1464 (T20IP)	FS1464 (T20IP)	FS1464 (T20IP)

Accessories

Type	SN .. 43 . SN .. 1204 ..	SN .. 54 . SN .. 1506 ..	SN .. 64 . SN .. 1906 ..
(standard assembly parts) Clamp set	PK241-SET	PK242-SET	PK243-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Accessories

	Type	SN .. 43 . SN .. 1204 ..	SN .. 54 . SN .. 1506 ..	SN .. 64 . SN .. 1906 ..
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET	
	Insert with hole Carbide clamp set	PK254-SET		
	Shim for SN .. 1207 ..	AP413-SN1207		

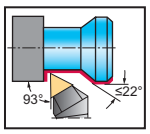
Turning tools – Wedge clamping

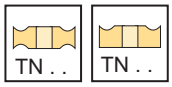
C...-MTJN mm

Walter Turn

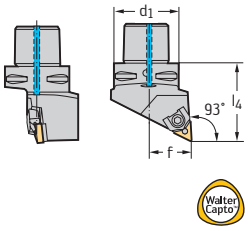


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-MTJNL-27050-16	0.630	C4	1.063	1.969			-6°	-6°	TN .. 33 . TN .. 1604 ..
C4-MTJNR-27050-16	0.630	C4	1.063	1.969			-6°	-6°	
C5-MTJNL-35060-16	0.630	C5	1.378	2.362			-6°	-6°	
C5-MTJNR-35060-16	0.630	C5	1.378	2.362			-6°	-6°	
C4-MTJNL-27050-22	0.866	C4	1.063	1.969			-6°	-6°	TN .. 43 . TN .. 2204 ..
C4-MTJNR-27050-22	0.866	C4	1.063	1.969			-6°	-6°	
C5-MTJNL-35060-22	0.866	C5	1.378	2.362			-6°	-6°	
C5-MTJNR-35060-22	0.866	C5	1.378	2.362			-6°	-6°	
C6-MTJNL-45065-22	0.866	C6	1.772	2.559			-6°	-6°	
C6-MTJNR-45065-22	0.866	C6	1.772	2.559			-6°	-6°	

Assembly parts

Type d_1		TN .. 33 . TN .. 1604 .. C4	TN .. 33 . TN .. 1604 .. C5	TN .. 43 . TN .. 2204 .. C4	TN .. 43 . TN .. 2204 .. C5–C6
	Shim	AP147	AP147	AP148	AP148
	Pin	RS106	RS106	RS107	RS107
	Clamping wedge set	FK303	FK303	FK304	FK304
	Allen key	ISO2936-2.5 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)
	Clamping screw Tightening torque	FS358 (SW 3) 44 in lbs	FS358 (SW 3) 44 in lbs	FS358 (SW 3) 44 in lbs	FS358 (SW 3) 44 in lbs
	C4 cooling lubricant nozzle	FS1018		FS1018	
	C5 cooling lubricant nozzle		FS1019		FS1476

Accessories

Type	TN .. 33 . TN .. 1604 ..	TN .. 43 . TN .. 2204 ..
Shim		AP149

WALTER SELECT

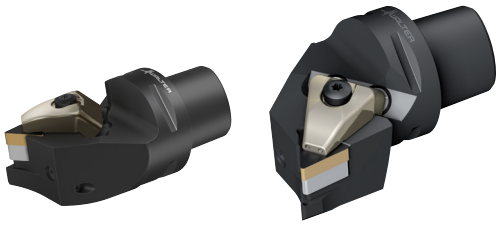
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

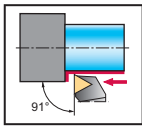
Turning tools – Rigid clamping

C...-DTGN...-P mm

Walter Turn

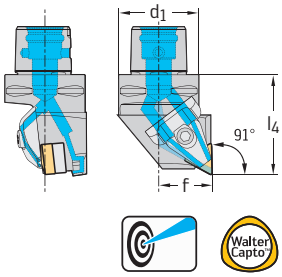


– Precision cooling
– TM





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DTGNR-27050-16-P	0.630	C4	1.063	1.969	23.622	0.055	-6°	-6°	TN .. 33 . TN .. 1604 ..
C4-DTGNL-27050-16-P	0.630	C4	1.063	1.969	23.622	0.055	-6°	-6°	TN .. 33 . TN .. 1604 ..

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	TN .. 33 . TN .. 1604 .. C4
Shim	AP321-TN16
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs
Clamp	PK255
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
Pressure spring	FS2188
Torx key	FS1465 (T15IP)

Accessories

Type	TN .. 33 . TN .. 1604 ..
(standard assembly parts) Clamp set	PK255-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

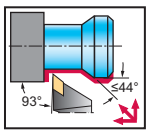
Turning tools – Rigid clamping

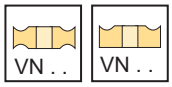
C...-DVJN mm

Walter Turn



– Walter Capto™





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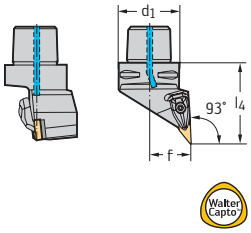
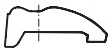
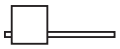


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DVJNL-27062-16	0.630	C4	1.063	2.441	2.362	5.984	-4°	-13°	VN .. 33 . VN .. 1604 ..
C4-DVJNR-27062-16	0.630	C4	1.063	2.441	2.362	5.984	-4°	-13°	
C5-DVJNL-35065-16	0.630	C5	1.378	2.559	2.559	6.693	-4°	-13°	
C5-DVJNR-35065-16	0.630	C5	1.378	2.559	2.559	6.693	-4°	-13°	
C6-DVJNL-45065-16	0.630	C6	1.772	2.559	3.189	7.480	-4°	-13°	
C6-DVJNR-45065-16	0.630	C6	1.772	2.559	3.189	7.480	-4°	-13°	
C8-DVJNL-55080-16	0.630	C8	2.165	3.150	3.937	9.843	-4°	-13°	
C8-DVJNR-55080-16	0.630	C8	2.165	3.150	3.937	9.843	-4°	-13°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	VN .. 33 . VN .. 1604 .. C4	VN .. 33 . VN .. 1604 .. C5–C6	VN .. 33 . VN .. 1604 .. C8
 Shim	AP312-VN16	AP312-VN16	AP312-VN16
 Screw for shim Tightening torque	FS1467 (T15IP) 27 in lbs	FS1467 (T15IP) 27 in lbs	FS1467 (T15IP) 27 in lbs
 Clamp	PK244	PK244	PK244
 Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs
 Pressure spring	FS1470	FS1470	FS1470
Pin	RS117	RS117	RS117
 C4 cooling lubricant nozzle	FS1477		
 C5 cooling lubricant nozzle		FS1476	
 C8 cooling lubricant nozzle			FS1479
 Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

Type	VN .. 33 . VN .. 1604 ..
 (standard assembly parts) Clamp set	PK244-SET

WALTER SELECT

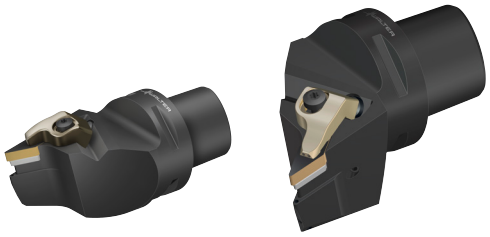
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

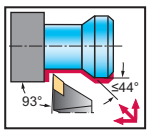
Turning tools - Rigid clamping

C...-DVJN...-P mm

Walter Turn

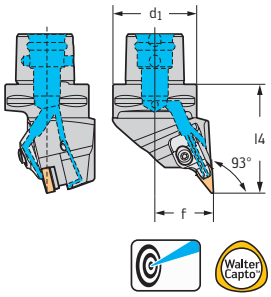


– Precision cooling
– TM





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DVJNR-27062-16-P	0.630	C4	1.063	2.441	19.685	4.921	-4°	-13°	VN .. 33 . VN .. 1604 ..
C5-DVJNR-35065-16-P	0.630	C5	1.378	2.559	23.622	5.906	-4°	-13°	
C6-DVJNR-45065-16-P	0.630	C6	1.772	2.559	27.559	5.906	-4°	-13°	
C4-DVJNL-27062-16-P	0.630	C4	1.063	2.441	19.685	4.921	-4°	-13°	VN .. 33 . VN .. 1604 ..
C5-DVJNL-35065-16-P	0.630	C5	1.378	2.559	23.622	5.906	-4°	-13°	
C6-DVJNL-45065-16-P	0.630	C6	1.772	2.559	27.559	5.906	-4°	-13°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	VN .. 33 . VN .. 1604 .. C4–C6
Shim	AP312-VN16
Screw for shim Tightening torque	FS1467 (T15IP) 27 in lbs
Left clamp	PK261L
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
Pressure spring	FS2188
Torx key	FS1465 (T15IP)

Accessories

Type	VN .. 33 . VN .. 1604 ..
Left clamp set	PK261L-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

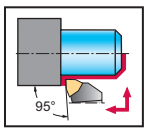
Turning tools – Rigid clamping

C...-DWLN mm

Walter Turn

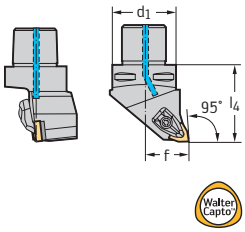


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DWLNL-27050-06	0.236	C4	1.063	1.969	2.362	5.512	-6°	-6°	WN .. 33 . WN .. 0604 ..
C4-DWLNR-27050-06	0.236	C4	1.063	1.969	2.362	5.512	-6°	-6°	
C5-DWLNL-35060-06	0.236	C5	1.378	2.362	2.559	6.496	-6°	-6°	
C5-DWLNR-35060-06	0.236	C5	1.378	2.362	2.559	6.496	-6°	-6°	
C4-DWLNL-27050-08	0.315	C4	1.063	1.969	4.331	5.512	-6°	-6°	WN .. 43 . WN .. 0804 ..
C4-DWLNR-27050-08	0.315	C4	1.063	1.969	4.331	5.512	-6°	-6°	
C5-DWLNL-35060-08	0.315	C5	1.378	2.362	4.331	6.496	-6°	-6°	
C5-DWLNR-35060-08	0.315	C5	1.378	2.362	4.331	6.496	-6°	-6°	
C6-DWLNL-45065-08	0.315	C6	1.772	2.559	4.331	7.480	-6°	-6°	
C6-DWLNR-45065-08	0.315	C6	1.772	2.559	4.331	7.480	-6°	-6°	
C5-DWLNL-35060-10	0.394	C5	1.378	2.362	4.528	6.693	-6°	-6°	WN .. 54 . WN .. 1006 ..
C5-DWLNR-35060-10	0.394	C5	1.378	2.362	4.528	6.693	-6°	-6°	
C6-DWLNL-45065-10	0.394	C6	1.772	2.559	4.528	7.677	-6°	-6°	
C6-DWLNR-45065-10	0.394	C6	1.772	2.559	4.528	7.677	-6°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	WN .. 33 . WN .. 0604 .. C4	WN .. 33 . WN .. 0604 .. C5	WN .. 43 . WN .. 0804 .. C4	WN .. 43 . WN .. 0804 .. C5–C6	WN .. 54 . WN .. 1006 .. C5–C6
Shim	AP306-WN06	AP306-WN06	AP307-WN08	AP307-WN08	
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	
Clamp					PK242
Screw for clamp					FS1474 (T20IP) 57 in lbs
Clamp	PK240	PK240	PK241	PK241	
Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	
Shim					AP311-WN10
Pressure spring	FS1469	FS1469	FS1470	FS1470	FS1471
Pin	RS116	RS116	RS117	RS117	RS117
C4 cooling lubricant nozzle	FS1477		FS1477		
C5 cooling lubricant nozzle		FS1475		FS1475	FS1475
Screw for shim					FS1463 (T20IP) 44 in lbs
Torx key	FS1466 (T9IP)	FS1466 (T9IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

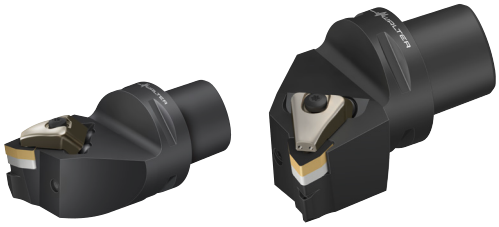
Accessories

	Type	WN .. 33 . WN .. 0604 ..	WN .. 43 . WN .. 0804 ..	WN .. 54 . WN .. 1006 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET	
	Insert with hole Carbide clamp set		PK245-SET	
	(standard assembly parts) Clamp set			PK242-SET
	Insert with hole Carbide clamp set		PK254-SET	PK246-SET

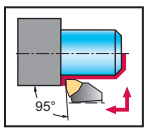
Turning tools – Rigid clamping

C...-DWLN...-P mm

Walter Turn

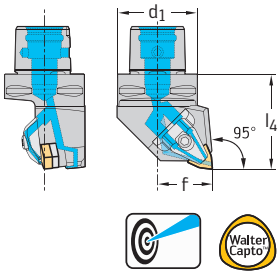


– Precision cooling
– TM





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C4-DWLNR-27050-08-P	0.315	C4	1.063	1.969	19.685	19.685	-6°	-6°	WN .. 43 . WN .. 0804 ..
C5-DWLNR-35060-08-P	0.315	C5	1.378	2.362	23.622	23.622	-6°	-6°	
C6-DWLNR-45065-08-P	0.315	C6	1.772	2.559	23.622	23.622	-6°	-6°	
C4-DWLNL-27050-08-P	0.315	C4	1.063	1.969	19.685	19.685	-6°	-6°	WN .. 43 . WN .. 0804 ..
C5-DWLNL-35060-08-P	0.315	C5	1.378	2.362	23.622	23.622	-6°	-6°	
C6-DWLNL-45065-08-P	0.315	C6	1.772	2.559	23.622	23.622	-6°	-6°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type d_1	WN .. 43 . WN .. 0804 .. C4–C6
	Shim	AP307-WN08
	Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs
	Clamp	PK255
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS2188
	Torx key	FS1465 (T15IP)

Accessories

	Type	WN .. 43 . WN .. 0804 ..
	(standard assembly parts) Clamp set	PK255-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

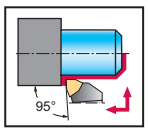
Turning tools – Lever clamping

C...-PWLN mm

Walter Turn

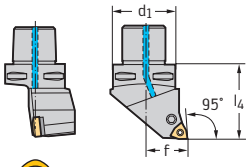


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f in	l_4 in	D_{min} in	D_{min2} in	γ	λ_s	Type
C3-PWLNL-22040-06	0.236	C3	0.866	1.575	2.362	4.567	-6°	-6°	WN .. 33 . WN .. 0604 ..
C3-PWLNR-22040-06	0.236	C3	0.866	1.575	2.362	4.567	-6°	-6°	
C4-PWLNL-27050-06	0.236	C4	1.063	1.969	2.362	5.512	-6°	-6°	
C4-PWLNR-27050-06	0.236	C4	1.063	1.969	2.362	5.512	-6°	-6°	
C4-PWLNL-27050-08	0.315	C4	1.063	1.969	2.362	5.512	-6°	-6°	WN .. 43 . WN .. 0804 ..
C4-PWLNR-27050-08	0.315	C4	1.063	1.969	2.362	5.512	-6°	-6°	
C5-PWLNL-35060-08	0.315	C5	1.378	2.362	2.559	6.496	-6°	-6°	
C5-PWLNR-35060-08	0.315	C5	1.378	2.362	2.559	6.496	-6°	-6°	
C6-PWLNL-45065-08	0.315	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C6-PWLNR-45065-08	0.315	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C5-PWLNL-35060-10	0.394	C5	1.378	2.362	3.150	6.496	-6°	-6°	WN .. 54 . WN .. 1006 ..
C5-PWLNR-35060-10	0.394	C5	1.378	2.362	3.150	6.496	-6°	-6°	
C6-PWLNL-45065-10	0.394	C6	1.772	2.559	3.189	7.480	-6°	-6°	
C6-PWLNR-45065-10	0.394	C6	1.772	2.559	3.189	7.480	-6°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type d_1	WN .. 33 . WN .. 0604 .. C3–C4	WN .. 43 . WN .. 0804 .. C4	WN .. 43 . WN .. 0804 .. C5–C6	WN .. 54 . WN .. 1006 .. C5–C6
Shim	AP172-WN0612	AP170-WN0816	AP170-WN0816	AP174-WN1016
Lever	KN101	KN102	KN102	KN104
Clamping screw Tightening torque	FS351 18 in lbs	FS352 44 in lbs	FS352 44 in lbs	FS354 (SW 3) 44 in lbs
Shim pin	RS101	RS102	RS102	RS103
Tapered assembly pin	MD101	MD101	MD101	MD102
C3 cooling lubricant nozzle	FS1477	FS1477		
C5 cooling lubricant nozzle			FS1476	FS1476
Allen key	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)

Accessories

Type	WN .. 33 . – WN .. 54 . WN .. 0604 ..–WN .. 1006 ..	WN .. 43 . WN .. 0804 ..
Shim		AP170-WN0808

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

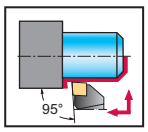
Turning tools – Screw clamping

C...-SCLC mm

Walter Turn

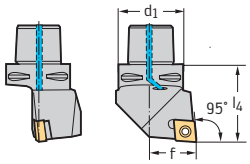


– Walter Capto™





Tool

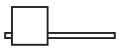


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C3-SCLCL-22040-09	9	C3	22	40	130	116	0°	0°	CC .. 3(2.5) . CC .. 09T3 ..
C3-SCLCR-22040-09	9	C3	22	40	130	116	0°	0°	
C4-SCLCL-27050-09	9	C4	27	50	130	140	0°	0°	
C4-SCLCR-27050-09	9	C4	27	50	130	140	0°	0°	
C5-SCLCL-35060-09	9	C5	35	60	130	165	0°	0°	
C5-SCLCR-35060-09	9	C5	35	60	130	165	0°	0°	
C6-SCLCL-45065-09	9	C6	45	65	130	190	0°	0°	
C6-SCLCR-45065-09	9	C6	45	65	130	190	0°	0°	
C4-SCLCL-27050-12	12	C4	27	50	125	140	0°	0°	CC .. 43 . CC .. 1204 ..
C4-SCLCR-27050-12	12	C4	27	50	125	140	0°	0°	
C5-SCLCL-35060-12	12	C5	35	60	125	165	0°	0°	
C5-SCLCR-35060-12	12	C5	35	60	125	165	0°	0°	
C6-SCLCL-45065-12	12	C6	45	65	125	190	0°	0°	
C6-SCLCR-45065-12	12	C6	45	65	125	190	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	CC .. 3(2.5) . CC .. 09T3 .. C3–C4	CC .. 3(2.5) . CC .. 09T3 .. C5–C6	CC .. 43 . CC .. 1204 .. C4	CC .. 43 . CC .. 1204 .. C5–C6
	Clamping screw for indexable insert Tightening torque	FS2060 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs	FS2065 (T15IP) 27 in lbs	FS2065 (T15IP) 27 in lbs
	Shim	AP313-CC0908	AP313-CC0908	AP314-CC1212	AP314-CC1212
	Screw for shim	FS2068 (SW 3.5)	FS2068 (SW 3.5)	FS2069 (SW 4)	FS2069 (SW 4)
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1496 (T15IP)	FS1496 (T15IP)
	C3 cooling lubricant nozzle	FS1477		FS1477	
	C5 cooling lubricant nozzle		FS1476		FS1476

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

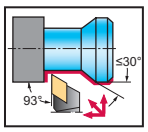
Turning tools – Screw clamping

C...-SDJC mm

Walter Turn

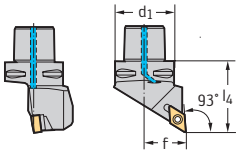


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C3-SDJCL-22040-07	7	C3	22	40	70	116	0°	0°	DC .. 2(1.5) . DC .. 0702 ..
C3-SDJCR-22040-07	7	C3	22	40	70	116	0°	0°	
C4-SDJCL-27050-07	7	C4	27	50	70	140	0°	0°	
C4-SDJCR-27050-07	7	C4	27	50	70	140	0°	0°	
C3-SDJCL-22040-11	11	C3	22	40	140	116	0°	0°	DC .. 3(2.5) . DC .. 11T3 ..
C3-SDJCR-22040-11	11	C3	22	40	140	116	0°	0°	
C4-SDJCL-27050-11	11	C4	27	50	140	140	0°	0°	
C4-SDJCR-27050-11	11	C4	27	50	140	140	0°	0°	
C5-SDJCL-35060-11	11	C5	35	60	140	165	0°	0°	
C5-SDJCR-35060-11	11	C5	35	60	140	190	0°	0°	
C6-SDJCL-45065-11	11	C6	45	65	140	190	0°	0°	
C6-SDJCR-45065-11	11	C6	45	65	140	165	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	DC .. 2(1.5) . DC .. 0702 .. C3–C4	DC .. 3(2.5) . DC .. 11T3 .. C3–C4	DC .. 3(2.5) . DC .. 11T3 .. C5–C6
Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2060 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
Shim		AP315-DC1108	AP315-DC1108
Screw for shim		FS2068 (SW 3.5)	FS2068 (SW 3.5)
Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)
C3 cooling lubricant nozzle	FS1477	FS1477	
C5 cooling lubricant nozzle			FS1476

Accessories

Type	DC .. 2(1.5) . DC .. 0702 ..	DC .. 3(2.5) . DC .. 11T3 ..
Shim		AP329-DC1112

WALTER SELECT

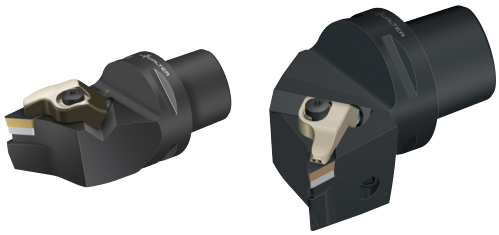
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

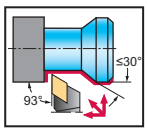
Turning tools - Rigid clamping

C...-DDJC...-P mm

Walter Turn



– Precision cooling
– TM





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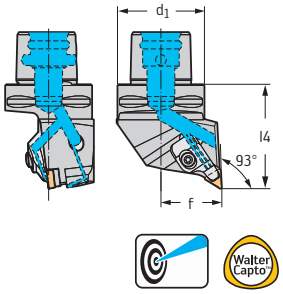


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C4-DDJCR-27050-11-P	11	C4	27	50	1.200	250	-3°	-7°	DC .. 3(2.5) . DC .. 11T3 ..
C5-DDJCR-35060-11-P	11	C5	35	60	1.400	300	-3°	-7°	
C4-DDJCL-27050-11-P	11	C4	27	50	1.200	250	-3°	-7°	DC .. 3(2.5) . DC .. 11T3 ..
C5-DDJCL-35060-11-P	11	C5	35	60	1.400	300	-3°	-7°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 3(2.5) . DC .. 11T3 .. C4–C5
	Shim	AP315-DC1108
	Screw for shim	FS2068 (SW 3.5)
	Left clamp	PK261L
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS2188
	Torx key	FS1465 (T15IP)

Accessories

	Type	DC .. 3(2.5) . DC .. 11T3 ..
	(standard assembly parts) Left clamp set	PK261L-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

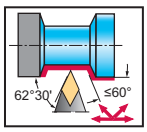
Turning tools – Screw clamping

C...-SDNC mm

Walter Turn



– Walter Capto™





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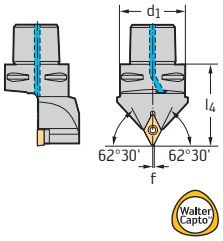
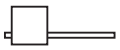


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C3-SDNCN-00040-11	11	C3	1	40		116	0°	0°	DC .. 3(2.5) . DC .. 11T3 ..
C4-SDNCN-00050-11	11	C4	1	50		140	0°	0°	
C5-SDNCN-00060-11	11	C5	1	60		165	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 3(2.5) . DC .. 11T3 .. C3–C4	DC .. 3(2.5) . DC .. 11T3 .. C5
	Clamping screw for indexable insert Tightening torque	FS2060 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
	Shim	AP315-DC1108	AP315-DC1108
	Screw for shim	FS2068 (SW 3.5)	FS2068 (SW 3.5)
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)
	C3 cooling lubricant nozzle	FS1477	
	C5 cooling lubricant nozzle		FS1476

Accessories

	Type	DC .. 3(2.5) . DC .. 11T3 ..
	Shim for radius	AP329-DC1112

WALTER SELECT

●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

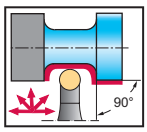
Turning tools – Screw clamping

C...-SRDC mm

Walter Turn

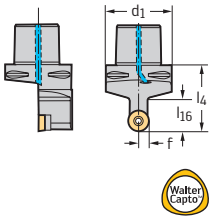


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C4-SRDCN-00050-06	6	C4	3	50			0°	0°	RC . T0602M0 ..
C5-SRDCN-00060-06	6	C5	3	60			0°	0°	
C3-SRDCN-00040-08	8	C3	4	40			0°	0°	RC . T0803M0 ..
C4-SRDCN-00050-08	8	C4	4	50			0°	0°	
C5-SRDCN-00060-08	8	C5	4	60			0°	0°	
C4-SRDCN-00050-10	10	C4	5	50			0°	0°	RC . T10T3M0 ..
C5-SRDCN-00060-10	10	C5	5	60			0°	0°	
C6-SRDCN-00065-10	10	C6	5	65			0°	0°	
C4-SRDCN-00050-12	12	C4	6	50			0°	0°	RC . T1204M0 ..
C5-SRDCN-00060-12	12	C5	6	60			0°	0°	
C6-SRDCN-00065-12	12	C6	6	65			0°	0°	
C5-SRDCN-00060-16	16	C5	8	60			0°	0°	RC . T1606M0 ..
C6-SRDCN-00065-16	16	C6	8	65			0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	RC . T0602M0 .. C4	RC . T0602M0 .. C5	RC . T0803M0 .. C3–C4	RC . T0803M0 .. C5	RC . T10T3M0 .. C4	RC . T10T3M0 .. C5–C6	RC . T1204M0 .. C4	RC . T1204M0 .. C5–C6	RC . T1606M0 .. C5–C6
Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2061 (T7IP) 8 in lbs	FS1462 (T9IP) 13 in lbs	FS1462 (T9IP) 13 in lbs	FS2063 (T15IP) 27 in lbs	FS2063 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs	FS2090 (T20IP) 57 in lbs
Shim					AP324-RC10T3	AP324-RC10T3	AP325-RC1204	AP325-RC1204	AP326-RC1606
Screw for shim					FS2068 (SW 3.5)	FS2068 (SW 3.5)	FS2068 (SW 3.5)	FS2068 (SW 3.5)	FS2091 (SW 5)
Torx key	FS1490 (T7IP)	FS1490 (T7IP)	FS1466 (T9IP)	FS1466 (T9IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)
C3 cooling lubricant nozzle	FS1477		FS1477		FS1477		FS1477		
C5 cooling lubricant nozzle		FS1476		FS1476		FS1476		FS1476	FS1476

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

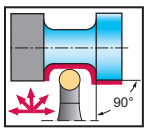
Turning tools – Lever clamping

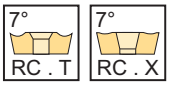
C...-PRDC mm

Walter Turn

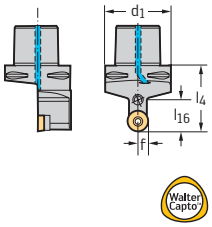


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	l_{16} mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C5-PRDCN-00060-16	16	C5	8	60	35			0°	0°	RC . T1605M0 ..
C6-PRDCN-00065-16	16	C6	8	65	35			0°	0°	
C5-PRDCN-00060-20	20	C5	10	60	40			0°	0°	RC . T2006M0 ..
C6-PRDCN-00065-20	20	C6	10	65	40			0°	0°	
C6-PRDCN-00065-25	25	C6	13	65	40			0°	0°	RC . T2507M0 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	RC . T1605M0 .. C5–C6	RC . T2006M0 .. C5–C6	RC . T2507M0 .. C6
Shim			AP405-RC2507
Lever			KN113
Shim	AP157	AP158	
Shim pin	RS108	RS103	
Clamping screw			FS2145 (SW 4) 10 Nm
Lever	KN111		
Shim pin			RS104
Clamping screw Tightening torque	FS344 22 in lbs	FS354 (SW 3) 44 in lbs	
Tapered assembly pin	MD102	MD102	MD102
Torx key	FS1155 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-4 (SW 4)
C5 cooling lubricant nozzle	FS1019	FS1019	
C6 cooling lubricant nozzle			FS1476

Accessories

Type	RC . T1605M0 ..	RC . T2006M0 ..–RC . T2507M0 ..
Shim for RC .. 1606 ..	AP188	

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

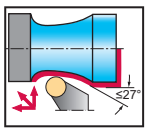
Turning tools – Screw clamping

C...-SRSC mm

Walter Turn

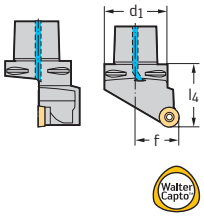


– Walter Capto™





Tool

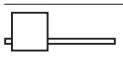


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C4-SRSCL-27050-06	6	C4	27	50	160	140	0°	0°	RC . T0602M0 ..
C4-SRSCR-27050-06	6	C4	27	50	160	140	0°	0°	
C4-SRSCL-27050-08	8	C4	27	50	110	140	0°	0°	RC . T0803M0 ..
C4-SRSCR-27050-08	8	C4	27	50	110	140	0°	0°	
C5-SRSCL-35060-08	8	C5	35	60	110	165	0°	0°	
C5-SRSCR-35060-08	8	C5	35	60	110	165	0°	0°	
C4-SRSCL-27050-10	10	C4	27	50	150	140	0°	0°	RC . T10T3M0 ..
C4-SRSCR-27050-10	10	C4	27	50	150	140	0°	0°	
C5-SRSCL-35060-10	10	C5	35	60	150	165	0°	0°	
C5-SRSCR-35060-10	10	C5	35	60	150	165	0°	0°	
C6-SRSCL-45065-10	10	C6	45	65	150	190	0°	0°	
C6-SRSCR-45065-10	10	C6	45	65	150	190	0°	0°	
C4-SRSCL-27050-12	12	C4	27	50	150	140	0°	0°	RC . T1204M0 ..
C4-SRSCR-27050-12	12	C4	27	50	150	140	0°	0°	
C5-SRSCL-35060-12	12	C5	35	60	150	165	0°	0°	
C5-SRSCR-35060-12	12	C5	35	60	150	165	0°	0°	
C6-SRSCL-45065-12	12	C6	45	65	150	190	0°	0°	
C6-SRSCR-45065-12	12	C6	45	65	175	190	0°	0°	
C6-SRSCL-45065-16	16	C6	45	65	175	190	0°	0°	RC . T1606M0 ..
C6-SRSCR-45065-16	16	C6	45	65	175	190	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	RC . T0602M0 .. C4	RC . T0803M0 .. C4	RC . T0803M0 .. C5	RC . T10T3M0 .. C4	RC . T10T3M0 .. C5–C6	RC . T1204M0 .. C4	RC . T1204M0 .. C5–C6	RC . T1606M0 .. C6
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS1462 (T9IP) 13 in lbs	FS1462 (T9IP) 13 in lbs	FS2063 (T15IP) 27 in lbs	FS2063 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs	FS2090 (T20IP) 57 in lbs
	Shim				AP324-RC10T3	AP324-RC10T3	AP325-RC1204	AP325-RC1204	AP326-RC1606
	Screw for shim				FS2068 (SW 3.5)	FS2068 (SW 3.5)	FS2068 (SW 3.5)	FS2068 (SW 3.5)	FS2091 (SW 5)
	Torx key	FS1490 (T7IP)	FS1466 (T9IP)	FS1466 (T9IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)
	C4 cooling lubricant nozzle	FS1477	FS1477		FS1477		FS1477		
	C5 cooling lubricant nozzle			FS1476		FS1476		FS1476	FS1476

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

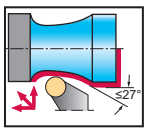
Turning tools – Lever clamping

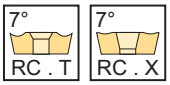
C...-PRSC mm

Walter Turn

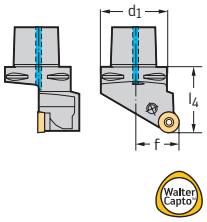


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C5-PRSCL-35060-16	16	C5	35	60			0°	0°	RC . T1605M0 ..
C5-PRSCR-35060-16	16	C5	35	60			0°	0°	
C6-PRSCL-45065-16	16	C6	45	65			0°	0°	
C6-PRSCR-45065-16	16	C6	45	65			0°	0°	
C5-PRSCL-35060-20	20	C5	35	60			0°	0°	RC . T2006M0 ..
C5-PRSCR-35060-20	20	C5	35	60			0°	0°	
C6-PRSCL-45065-20	20	C6	45	65			0°	0°	
C6-PRSCR-45065-20	20	C6	45	65			0°	0°	
C8-PRSCL-55080-20	20	C8	55	80	150	250	0°	0°	
C8-PRSCR-55080-20	20	C8	55	80	150	250	0°	0°	
C6-PRSCL-45065-25	25	C6	45	65	200	190	0°	0°	RC . T2507M0 ..
C6-PRSCR-45065-25	25	C6	45	65	200	190	0°	0°	
C8-PRSCL-55080-25	25	C8	55	80	200	1.250	0°	0°	
C8-PRSCR-55080-25	25	C8	55	80	200	250	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	RC . T1605M0 .. C5–C6	RC . T2006M0 .. C5–C6	RC . T2006M0 .. C8	RC . T2507M0 .. C6	RC . T2507M0 .. C8
Shim	AP157	AP158	AP404-RC2006	AP405-RC2507	AP405-RC2507
Lever	KN111		KN112	KN113	KN113
Clamping screw Tightening torque	FS344 22 in lbs	FS2156 (SW 3) 44 in lbs	FS2156 (SW 3) 44 in lbs	FS2145 (SW 4) 89 in lbs	FS2145 (SW 4) 89 in lbs
Shim pin	RS108	RS103	RS103	RS104	RS104
Tapered assembly pin	MD102	MD102	MD103	MD102	MD102
C5 cooling lubricant nozzle	FS1019	FS1019			
C6 cooling lubricant nozzle				FS1476	
C8 cooling lubricant nozzle			FS1479		FS1479
Allen key	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)

Accessories

Type	RC . T1605M0 ..	RC . T2006M0 ..–RC . T2507M0 ..
Shim for RC .. 1606 ..	AP188	

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

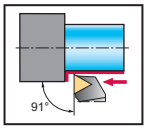
Turning tools – Screw clamping

C...-STGC mm

Walter Turn

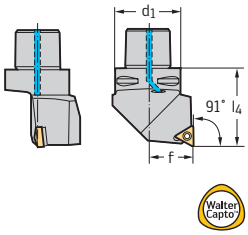


– Walter Capto™





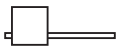
Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C4-STGCL-27050-11	11	C4	27	50	90	140	0°	0°	TC .. 2(1.5) . TC .. 1102 ..
C4-STGCR-27050-11	11	C4	27	50	90	140	0°	0°	
C4-STGCL-27050-16	16	C4	27	50	140	140	0°	0°	TC .. 3(2.5) . TC .. 16T3 ..
C4-STGCR-27050-16	16	C4	27	50	140	140	0°	0°	
C5-STGCL-35060-16	16	C5	35	60	140	165	0°	0°	
C5-STGCR-35060-16	16	C5	35	60	140	165	0°	0°	

Assembly parts

	Type	TC .. 2(1.5) . TC .. 1102 .. C4	TC .. 3(2.5) . TC .. 16T3 .. C4	TC .. 3(2.5) . TC .. 16T3 .. C5
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2060 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
	Shim		AP317-TC1612	AP317-TC1612
	Screw for shim		FS2068 (SW 3.5)	FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)
	C4 cooling lubricant nozzle	FS1477	FS1477	
	C5 cooling lubricant nozzle			FS1476

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

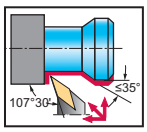
Turning tools – Screw clamping

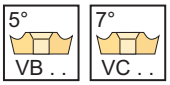
C...-SVHB mm

Walter Turn

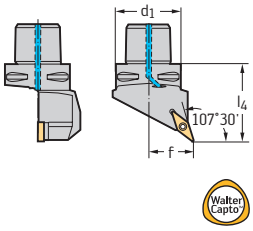


– Walter Capto™





Tool

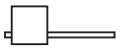
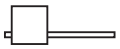


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C3-SVHBL-22040-11	11	C3	22	40	55	114	0°	0°	VB .. 22 . VB .. 1103 ..
C3-SVHBR-22040-11	11	C3	22	40	55	114	0°	0°	
C4-SVHBL-27050-11	11	C4	27	50	55	140	0°	0°	
C4-SVHBR-27050-11	11	C4	27	50	55	140	0°	0°	
C4-SVHBL-27050-16	16	C4	27	50	95	140	0°	0°	VB .. 3(3) . VB .. 1604 ..
C4-SVHBR-27050-16	16	C4	27	50	95	140	0°	0°	
C5-SVHBL-35060-16	16	C5	35	60	95	165	0°	0°	
C5-SVHBR-35060-16	16	C5	35	60	95	165	0°	0°	
C6-SVHBL-45065-16	16	C6	45	65	95	190	0°	0°	
C6-SVHBR-45065-16	16	C6	45	65	95	190	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 22 . VB .. 1103 .. C3–C4	VB .. 3(3) . VB .. 1604 .. C4	VB .. 3(3) . VB .. 1604 .. C5–C6
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2060 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
	Torx key	FS1490 (T7IP)		
	Shim		AP316-VB1608	AP316-VB1608
	C3 cooling lubricant nozzle	FS1477	FS1477	
	Screw for shim		FS2068 (SW 3.5)	FS2068 (SW 3.5)
	Torx key		FS1465 (T15IP)	FS1465 (T15IP)
	C5 cooling lubricant nozzle			FS1476

Accessories

	Type	VB .. 22 . VB .. 1103 ..	VB .. 3(3) . VB .. 1604 ..
	Shim		AP330-VB1612

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

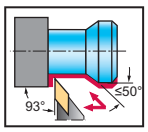
Turning tools – Screw clamping

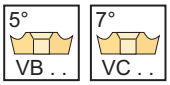
C...-SVJB mm

Walter Turn

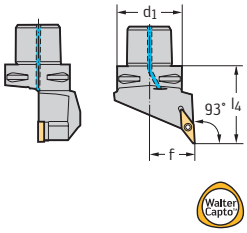


– Walter Capto™





Tool

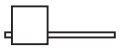
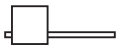


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C3-SVJBL-22040-11	11	C3	22	40	55	116	0°	0°	VB .. 22 . VB .. 1103 ..
C3-SVJBR-22040-11	11	C3	22	40	55	116	0°	0°	
C4-SVJBL-27050-11	11	C4	27	50	55	150	0°	0°	
C4-SVJBR-27050-11	11	C4	27	50	55	150	0°	0°	
C4-SVJBL-27050-16	16	C4	27	50	155	140	0°	0°	VB .. 3(3) . VB .. 1604 ..
C4-SVJBR-27050-16	16	C4	27	50	155	140	0°	0°	
C5-SVJBL-35060-16	16	C5	35	60	155	165	0°	0°	
C5-SVJBR-35060-16	16	C5	35	60	155	165	0°	0°	
C6-SVJBL-45065-16	16	C6	45	65	155	190	0°	0°	
C6-SVJBR-45065-16	16	C6	45	65	155	190	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 22 . VB .. 1103 .. C3–C4	VB .. 3(3) . VB .. 1604 .. C4	VB .. 3(3) . VB .. 1604 .. C5–C6
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2060 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
	Torx key	FS1490 (T7IP)		
	Shim		AP316-VB1608	AP316-VB1608
	C3 cooling lubricant nozzle	FS1477	FS1477	
	Screw for shim		FS2068 (SW 3.5)	FS2068 (SW 3.5)
	Torx key		FS1465 (T15IP)	FS1465 (T15IP)
	C5 cooling lubricant nozzle			FS1476

Accessories

	Type	VB .. 22 . VB .. 1103 ..	VB .. 3(3) . VB .. 1604 ..
	Shim		AP330-VB1612

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

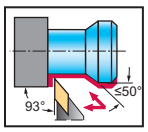
Turning tools – Rigid clamping

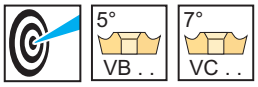
C...-DVJB...-P mm

Walter Turn

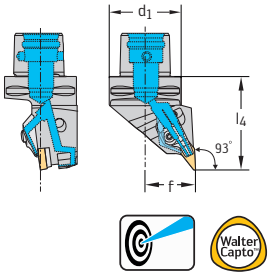


– Precision cooling
– TM





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C4-DVJBR-27062-16-P	16	C4	27	62	2.200	250	-2°	-7°	VB .. 33 . VB .. 1604 ..
C5-DVJBR-35065-16-P	16	C5	35	65	2.400	300	-2°	-7°	
C6-DVJBR-45065-16-P	16	C6	45	65	2.500	350	-2°	-7°	
C8-DVJBR-55080-16-P	16	C8	55	65	2.800	400	-2°	-7°	
C4-DVJBL-27062-16-P	16	C4	27	62	2.200	250	-2°	-7°	VB .. 33 . VB .. 1604 ..
C5-DVJBL-35065-16-P	16	C5	35	65	2.400	300	-2°	-7°	
C6-DVJBL-45065-16-P	16	C6	45	65	2.500	350	-2°	-7°	
C8-DVJBL-55080-16-P	16	C8	55	65	2.800	400	-2°	-7°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	VB .. 33 . VB .. 1604 .. C4–C8
Shim	AP312-VN16
Screw for shim Tightening torque	FS1467 (T15IP) 27 in lbs
Left clamp	PK261L
Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
Pressure spring	FS2188
Torx key	FS1465 (T15IP)

Accessories

Type	VB .. 33 . VB .. 1604 ..
(standard assembly parts) Left clamp set	PK261L-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

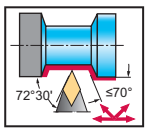
Turning tools – Screw clamping

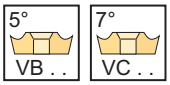
C...-SVVB mm

Walter Turn

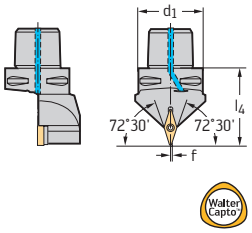


– Walter Capto™





Tool

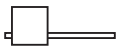


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C3-SVVBN-00040-11	11	C3	0	40		116	0°	0°	VB .. 22 . VB .. 1103 ..
C4-SVVBN-00050-11	11	C4	0	50		140	0°	0°	
C4-SVVBN-00050-16	16	C4	1	50		140	0°	0°	VB .. 33 . VB .. 1604 ..
C5-SVVBN-00060-16	16	C5	1	60		165	0°	0°	
C6-SVVBN-00065-16	16	C6	1	65		190	0°	0°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 22 . VB .. 1103 .. C3–C4	VB .. 33 . VB .. 1604 .. C4	VB .. 33 . VB .. 1604 .. C5–C6
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP316-VB1608	AP316-VB1608
	Screw for shim		FS2068 (SW 3.5)	FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)
	C3 cooling lubricant nozzle	FS1477	FS1477	
	C5 cooling lubricant nozzle			FS1476

Accessories

	Type	VB .. 22 . VB .. 1103 ..	VB .. 33 . VB .. 1604 ..
	Shim		AP330-VB1612

WALTER SELECT

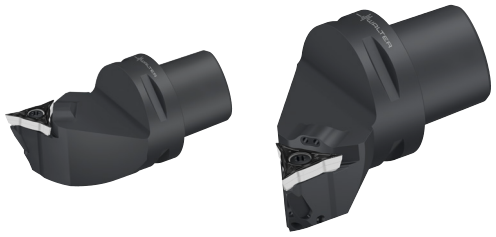
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

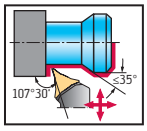
Turning tools – Copy turning system

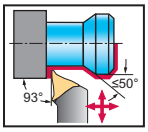
W1011-C...-P mm

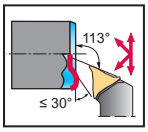
Walter Turn

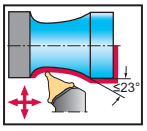


– Precision cooling
– TM



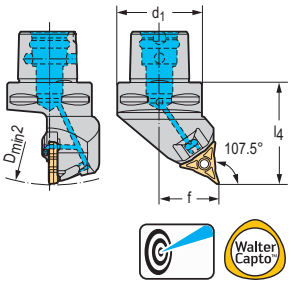








Tool



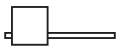
Walter Capto™ in acc. with ISO 26623

Designation		l_4 mm	D_{min} mm	D_{min2} mm	f mm	γ	λ_s	Type
W1011-C4R-WL25-P	25	50	200	200	27	0°	0°	WL25..
W1011-C5R-WL25-P	25	60	200	200	35	0°	0°	
W1011-C6R-WL25-P	25	65	200	200	45	0°	0°	
W1011-C4L-WL25-P	25	50	200	200	27	0°	0°	WL25..
W1011-C5L-WL25-P	25	60	200	200	35	0°	0°	
W1011-C6L-WL25-P	25	65	200	200	45	0°	0°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = 😐 → Moderate = ☹

Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 44 in lbs
	Torx key	FS1464 (T20IP)

Indexable inserts

	Designation	r mm	l_e mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20G	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	7.2	0.12–0.40					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-RC0525N-MU6	2.5	6.9	0.12–0.45					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-VC0702N-FM4	0.2	6	0.04–0.15										😊	😐					😊	😐	
	WL25-VC0704N-FM4	0.4	6.3	0.05–0.20										😊	😐					😊	😐	
	WL25-VC0704N-FP4	0.4	6.3	0.05–0.20			😊	😊	😐	😐												
	WL25-VC0704N-MM4	0.4	6.3	0.08–0.25		😐							😐	😊	😐				😐	😊	😐	
	WL25-VC0704N-MP4	0.4	6.3	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708N-FM4	0.8	7.1	0.08–0.25										😊	😐					😊	😐	
	WL25-VC0708N-FP4	0.8	7.1	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708N-MM4	0.8	7.1	0.12–0.32		😐							😐	😊	😐				😐	😊	😐	
	WL25-VC0708N-MP4	0.8	7.1	0.12–0.32			😊	😊	😐	😐												
	WL25-VC0712N-MM4	1.2	7.4	0.12–0.35										😊	😐					😊	😐	
	WL25-VC0712N-MP4	1.2	7.4	0.12–0.35			😊	😊	😐	😐												
	WL25-VC0716N-MM4	1.6	8.7	0.12–0.40										😊	😐					😊	😐	
	WL25-VC0716N-MP4	1.6	8.7	0.12–0.40			😊	😊	😐	😐												
	WL25-VC0704L-FM4	0.4	6.2	0.05–0.20										😊	😐					😊	😐	
	WL25-VC0704L-FP4	0.4	6.2	0.05–0.20			😊	😊	😐	😐												
	WL25-VC0704L-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704L-MP4	0.4	6.2	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708L-FM4	0.8	6.6	0.08–0.25										😊	😐					😊	😐	
	WL25-VC0708L-FP4	0.8	6.6	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708L-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708L-MP4	0.8	6.6	0.12–0.32			😊	😊	😐	😐												
	WL25-VC0704R-FM4	0.4	6.2	0.05–0.20										😊	😐					😊	😐	
	WL25-VC0704R-FP4	0.4	6.2	0.05–0.20			😊	😊	😐	😐												
	WL25-VC0704R-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704R-MP4	0.4	6.2	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708R-FM4	0.8	6.6	0.08–0.25										😊	😐					😊	😐	
	WL25-VC0708R-FP4	0.8	6.6	0.08–0.25			😊	😊	😐	😐												
	WL25-VC0708R-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708R-MP4	0.8	6.6	0.12–0.32			😊	😊	😐	😐												

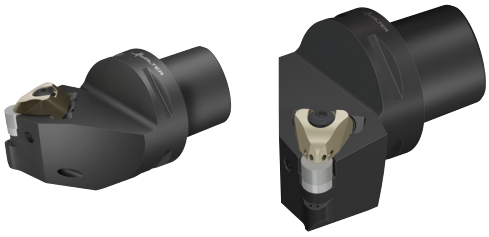
HC = beschichtetes Hartmetall

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😐 → Moderate = ☹

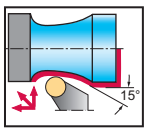
Turning tools - Rigid clamping

C...-CRSN...-P mm

Walter Turn

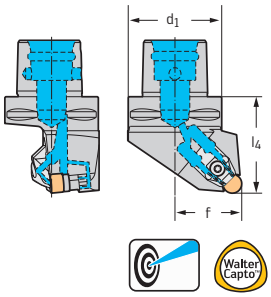


– Precision cooling
– For ceramic indexable inserts





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C6-CRSNR-45065-12-P	12	C6	45	65	600	700	-6°	-6°	RN .. 45 . RN .. 1207 ..
C6-CRSNL-45065-12-P	12	C6	45	65	600	700	-6°	-6°	RN .. 45 . RN .. 1207 ..

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	RN .. 45 . RN .. 1207 .. C6
Shim for RN .. 1207 ..	AP418-RN1207
Screw for shim Tightening torque	FS2241 (T20) 44 in lbs
Clamp	PK268
Screw for clamp Tightening torque	FS1474 (T20IP) 6.4 Nm
Pressure spring	FS2298
Torx key	FS1464 (T20IP)

Accessories

Type	RN .. 45 . RN .. 1207 ..
(standard assembly parts) Clamp set	PK268-SET
Shim for RN .. 1204 ..	AP421-RN1204

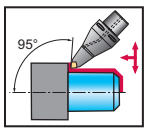
45° turning tools – Rigid clamping

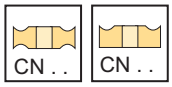
C...-DCMN mm

Walter Turn

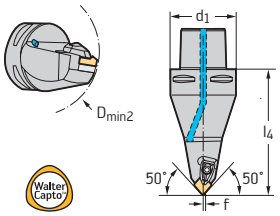


– Walter Capto™
– Toolholders for turning and milling centres





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C5-DCMNN-00105-12	12	C5	0	105		110	-6°	-6°	CN .. 43 . CN .. 1204 ..
C6-DCMNN-00090-12	12	C6	0	90		110	-6°	-6°	
C6-DCMNN-00115-12	12	C6	0	115		110	-6°	-6°	
C6-DCMNN-00090-16	16	C6	1	90		110	-6°	-6°	CN .. 54 . CN .. 1606 ..
C8-DCMNN-00150-16	16	C8	1	150		115	-6°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	CN .. 43 . CN .. 1204 .. C5	CN .. 43 . CN .. 1204 .. C6	CN .. 54 . CN .. 1606 .. C6–C8
Shim	AP301-CN12	AP301-CN12	AP302-CN16
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK241	PK241	PK242
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS1470	FS1470	FS1471
Pin	RS117	RS117	RS117
C5 cooling lubricant nozzle	FS1476		
C6 cooling lubricant nozzle		FS1479	FS1479
Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

Type	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..
(standard assembly parts) Clamp set	PK241-SET	PK242-SET
Insert with hole Carbide clamp set	PK245-SET	PK246-SET
Insert with hole Carbide clamp set	PK254-SET	
Shim for CN .. 1207 ..	AP411-CN1207	

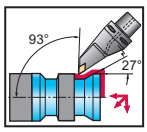
45° turning tools – Rigid clamping

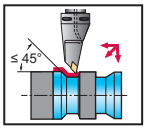
C...-DDMN mm

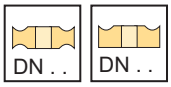
Walter Turn



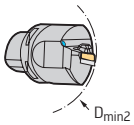
– Walter Capto™
– Toolholders for turning and milling centres

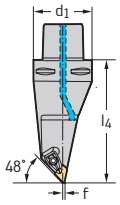






Tool





Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C5-DDMNL-00115-15	15	C5	1	115		110	-5°	-6°	DN .. 44 . DN .. 1506 ..
C6-DDMNL-00130-15	15	C6	1	130		110	-5°	-6°	
C6-DDMNL-33120-15	15	C6	33	120		130	-5°	-6°	
C8-DDMNL-00160-15	15	C8	1	160		120	-5°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	DN .. 44 . DN .. 1506 .. C5	DN .. 44 . DN .. 1506 .. C6–C8
Shim	AP304-DN15	AP304-DN15
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1461 (T15IP) 22 in lbs
Clamp	PK241	PK241
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1473 (T15IP) 35 in lbs
Pressure spring	FS1470	FS1470
Pin	RS117	RS117
C5 cooling lubricant nozzle	FS1476	
C6 cooling lubricant nozzle		FS1479
Torx key	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

Type	DN .. 44 . DN .. 1506 ..
(standard assembly parts) Clamp set	PK241-SET
Insert without hole Carbide clamp set	PK245-SET
Insert without hole Carbide clamp set	PK254-SET
Shim for DN .. 1504 ..	AP304-DN1504
Shim for DN .. 1507 ..	AP412-DN1507

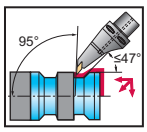
45° turning tools – Rigid clamping

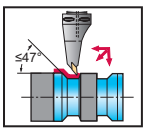
C...-DVMN mm

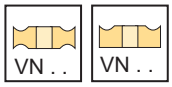
Walter Turn



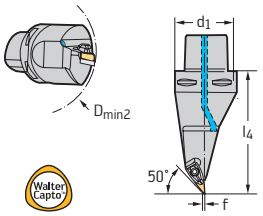
– Walter Capto™
– Toolholders for turning and milling centres







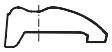
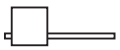
Tool

	Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
	C8-DVMNL-00160-16	16	C8	1	160		110	-4°	-14°	VN .. 3(3) . VN .. 1604 ..

Walter Capto™ in acc. with ISO 26623

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VN .. 3(3) . VN .. 1604 .. C8
	Shim	AP312-VN16
	Screw for shim Tightening torque	FS1467 (T15IP) 27 in lbs
	Clamp	PK244
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS1470
	Pin	RS117
	C8 cooling lubricant nozzle	FS1479
	Torx key	FS1465 (T15IP)

Accessories

	Type	VN .. 3(3) . VN .. 1604 ..
	(standard assembly parts) Clamp set	PK244-SET

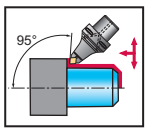
45° turning tools – Screw clamping

C...-SCMC mm

Walter Turn

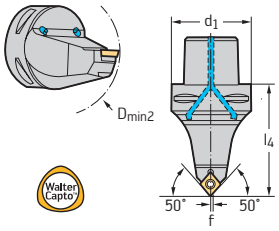


– Walter Capto™
– Toolholders for turning and milling centres





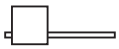
Tool

	Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
	C6-SCMCN-00090-12	12	C6	1	90		100	0°	0°	CC .. 43 . CC .. 1204 ..

Walter Capto™ in acc. with ISO 26623

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	CC .. 43 . CC .. 1204 .. C6
	Clamping screw for indexable insert Tightening torque	FS2065 (T15IP) 27 in lbs
	Shim	AP319-SC1212
	Screw for shim	FS2069 (SW 4)
	Torx key	FS1496 (T15IP)

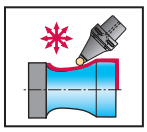
45° turning tools – Screw clamping

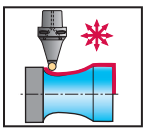
C...-SRDC mm

Walter Turn



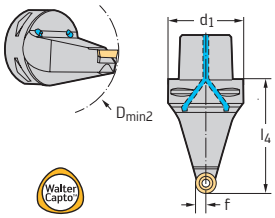
– Walter Capto™
– Toolholders for turning and milling centres







Tool

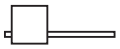


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	l_{16} mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C6-SRDCN-00100-10	10	C6	5	100			110	0°	0°	RC . T10T3M0 ..
C6-SRDCN-00100-16	16	C6	8	100			110	0°	0°	RC . T1606M0 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	RC . T10T3M0 .. C6	RC . T1606M0 .. C6
	Clamping screw for indexable insert Tightening torque	FS2063 (T15IP) 27 in lbs	FS2090 (T20IP) 57 in lbs
	Shim	AP324-RC10T3	AP326-RC1606
	Screw for shim	FS2068 (SW 3.5)	FS2091 (SW 5)
	Torx key	FS1465 (T15IP)	FS1464 (T20IP)

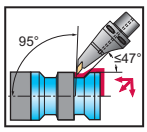
45° turning tools – Screw clamping

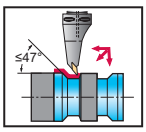
C...-SVMB mm

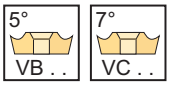
Walter Turn



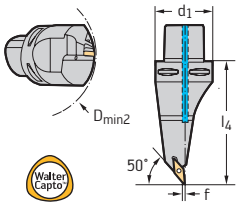
– Walter Capto™
– Toolholders for turning and milling centres







Tool

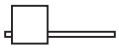


Walter Capto™ in acc. with ISO 26623

Designation		d_1	f mm	l_4 mm	D_{min} mm	D_{min2} mm	γ	λ_s	Type
C5-SVMBL-00115-16	16	C5	1	115		110	0°	0°	VB .. 3(3) . VB .. 1604 ..
C6-SVMBL-00130-16	16	C6	1	130		110	0°	0°	
C6-SVMBL-33120-16	16	C6	33	120		110	0°	0°	

Bodies and assembly parts are included in the scope of delivery

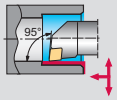
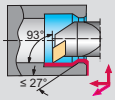
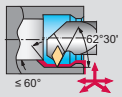
Assembly parts

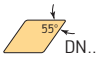
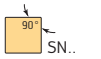
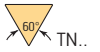
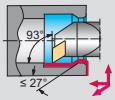
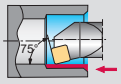
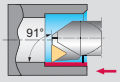
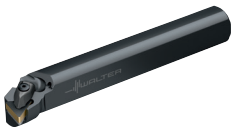
	Type	VB .. 3(3) . VB .. 1604 .. C5–C6
	Clamping screw for indexable insert Tightening torque	FS2060 (T15IP) 27 in lbs
	Shim	AP316-VB1608
	Screw for shim	FS2068 (SW 3.5)
	Torx key	FS1465 (T15IP)

Accessories

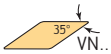
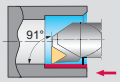
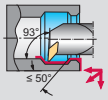
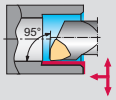
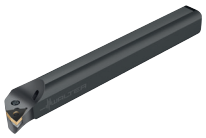
	Type	VB .. 1604 ..
	Shim	FS1476

Boring bars – Negative basic shape

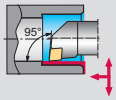
Type			
Machining			
				
Designation	**A...-DCLN**	**A...-PCLN**	**A...-DDUN**	**A...-DDXN**
Approach angle	95°	95°	93°	93°
Clamping system	Claw	Lever-type	Claw	Claw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d_1 [mm]	25–50	16–40	25–50	32–40
Boring bar Ø d_1 [inch]	0.750–2.000		0.750–2.000	
Insert size l [mm]	9–16	9–16	11–15	11–15
Insert size l [1/8 inch]	3–4	3–4	3–4	3–4
Page in catalog	A 260	A 261	A 262	A 265
QR code				
www.walter-tools.com/woc/	A-DCLN	A-PCLN	A-DDUN	A-DDXN

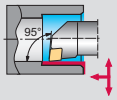
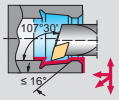
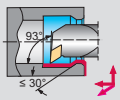
Type			
Machining			
				
Designation	**A...-PDUN**	**A...-DSKN**	**A...-PSKN**	**A...-DTFN**
Approach angle	93°	75°	75°	91°
Clamping system	Lever-type	Claw	Lever-type	Claw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d_1 [mm]	25–40	25–40	25–32	25–50
Boring bar Ø d_1 [inch]				0.750–2.000
Insert size l [mm]	11–15	12–15	12	16–22
Insert size l [1/8 inch]	3–4	4–5	4	3–4
Page in catalog	A 264	A 266	A 267	A 268
QR code				
www.walter-tools.com/woc/	A-PDUN	A-DSKN	A-PSKN	A-DTFN

Boring bars – Negative basic shape

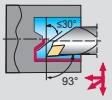
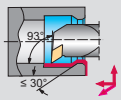
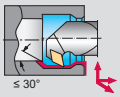
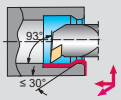
Type			
Machining			
				
Designation	**A...-PTFN**	**A...-DVUN**	**A...-DWLN**	**A...-PWLN**
Approach angle	91°	93°	95°	95°
Clamping system	Lever-type	Claw	Claw	Lever-type
Coolant supply	axial	axial	axial	axial
Boring bar Ø d_1 [mm]	16–32	40	25–50	20–32
Boring bar Ø d_1 [inch]		1.250–1.500	1.000–2.000	
Insert size l [mm]	11–16	16	6–10	6–8
Insert size l [1/8 inch]				
Page in catalog	A 270	A 271	A 273	A 275
QR code				
www.walter-tools.com/woc/	A-PTFN	A-DVUN	A-DWLN	A-PWLN

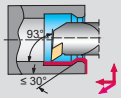
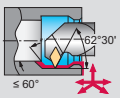
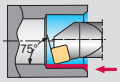
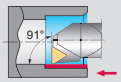
Boring bars – Positive basic shape

Type				
Machining				
				
Designation	**A...-SCLC**	**A...-SCLC...-R**	**E...-SCLC**	**E...-SCLC...-R**
Approach angle	95°	95°	95°	95°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d_1 [mm]	8–32	8–20		8–25
Boring bar Ø d_1 [inch]	0,375–1,250		0,375–1,000	
Insert size l [mm]	6–12	6–9	6–9	6–9
Insert size l [1/8 inch]	2–4	2–3	2–3	2–3
Page in catalog	A 276	A 276	A 278	A 276
QR code				
www.walter-tools.com/woc/	A-SCLC	A-SCLC-R		E-SCLC-R

Type				
Machining				
				
Designation	**A...-SCLP**	**E...-SCLP**	**A...-SDQC**	**A...-SDUC...-R**
Approach angle	95°	95°	107,5°	93°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d_1 [mm]			12–25	10–20
Boring bar Ø d_1 [inch]	0,312–1,000	0,375–0,500		
Insert size l [mm]	6–9	6	7–11	7–11
Insert size l [1/8 inch]	2–3	2–3	2–3	2–3
Page in catalog	A 279	A 279	A 281	A 282
QR code				
www.walter-tools.com/woc/	A-SCLP-E-SCLP	E-SCLP	A-SDQC	A-SDUC-R

Boring bars – Positive basic shape

Type				
				
Machining				
				
Designation	**A...-SDJC**	**A...-SDUC**	**A...-SDUC...-X**	**E...-SDUC**
Approach angle	93°	93°	93°	93°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d_1 [mm]	16–25	10–32	16–32	
Boring bar Ø d_1 [inch]		0,375–1,000	1,000–1,250	0,375–1,000
Insert size l [mm]	7–11	7–11	7–11	7–11
Insert size l [1/8 inch]				
Page in catalog	A 280	A 282	A 285	A 283
QR code				
www.walter-tools.com/woc/	A-SDJC		A-SDUC-X	E-SDUC

Type				
				
Machining				
				
Designation	**E...-SDUC...-R**	**A...-SDXC...**	**A...-SSKC**	**A...-STFC**
Approach angle	93°	62,5°	75°	91°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d_1 [mm]	10–25	12–25	16–25	6–32
Boring bar Ø d_1 [inch]				0,375–1,250
Insert size l [mm]	7–11	7–11	9–12	6–16
Insert size l [1/8 inch]				
Page in catalog	A 282	A 286	A 287	A 288
QR code				
www.walter-tools.com/woc/	E-SDUC-R	A-SDXC	A-SSKC	A-STFC

Boring bars – Positive basic shape

Type	60° TC..		35° VB../VC..
Machining	91°		107,5° 30° ≤ 35°






Designation	A...-STFC...-R	E...-STFC	E...-STFC...-R	A...-SVQB
Approach angle	91°	91°	91°	107,5°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d_1 [mm]	6–16		6–25	16–40
Boring bar Ø d_1 [inch]		0,375–1,000		
Insert size l [mm]	6–11	9–16	6–16	11–16
Insert size l [1/8 inch]	1.2–2	1.8–3	1.8–3	2–3
Page in catalog	A 288	A 290	A 288	A 292
QR code				
www.walter-tools.com/woc/	A-STFC-R	E-STFC	E-STFC-R	A-SVQB

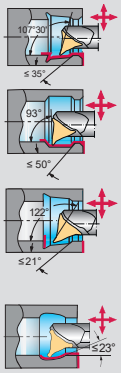
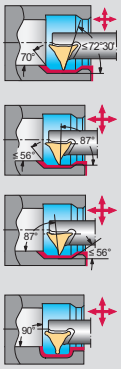
Type	35° VB../VC..		80° WC..	
Machining	≤ 50° 93°	93° ≤ 50°	95°	



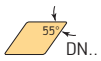
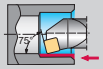


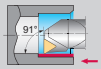

Designation	A...-SVJB	A...-SVUB	E...-SWLC	A...-SWLC
Approach angle	93°	93°	95°	95°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d_1 [mm]	16–20	16–40		10–32
Boring bar Ø d_1 [inch]		0,625–1,500	0,375–0,500	0,375–1,000
Insert size l [mm]	11	11–16	4	4–8
Insert size l [1/8 inch]	2	2–3	2	2–4
Page in catalog	A 291	A 293	A 296	A 295
QR code				
www.walter-tools.com/woc/	A-SVJB	A-SVUB	E-SWLC	A-SWLC

Boring bars – WL Copy turning system

Type	WL..	
Machining		
		
Designation	**W1211**	**W1210**
Approach angle	107,5°	72,5°
Clamping system	Screw	Screw
Coolant supply	Precision cooling	Precision cooling
Boring bar Ø d_1 [mm]	25–40	25–40
Boring bar Ø d_1 [inch]		
Insert size l [mm]	25	25
Page in catalog	A 297	A 299
QR code		
www.walter-tools.com/woc/	W1211	W1210

Walter Capto™ boring bars – Negative basic shape

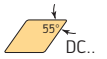
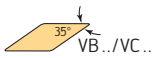
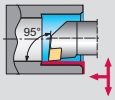
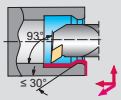
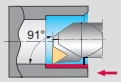
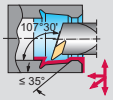
System			
Machining			
			
Designation	**C...-DDUN**	**C...-PDUN**	**C...-PSKN**
Insert width s [mm]			
Cutting depth T_{max} [mm]			
Coolant supply	Internal	Internal	Internal
Shank size h [mm]	C4–C6	C3–C6	C5–C6
Page in catalog	A 305	A 306	A 308
QR code			
www.walter-tools.com/woc/	C-DDUN	C-PDUN	C-PSKN

System			
Machining			
			
Designation	**C...-DCLN**	**C...-PCLN**	**C...-PTFN**
Insert width s [mm]			
Cutting depth T_{max} [mm]			
Coolant supply	Internal	Internal	Internal
Shank size h [mm]	C4–C6	C3–C6	C4–C6
Page in catalog	A 302	A 303	A 309
QR code			
www.walter-tools.com/woc/	C-DCLN	C-PCLN	C-PTFN

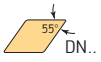
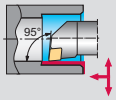
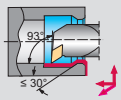
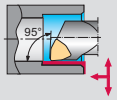
Walter Capto™ boring bars – Negative basic shape

System		
Machining		
		
Designation	**C...-DWLN**	**C...-PWLN**
Insert width s [mm]		
Cutting depth T_{max} [mm]		
Coolant supply	Internal	Internal
Shank size h [mm]	C4–C6	C3–C6
Page in catalog	A 310	A 311
QR code		
www.walter-tools.com/woc/	C-DWLN	C-PWLN

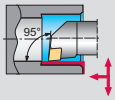
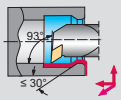
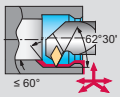
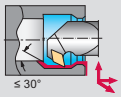
Walter Capto™ boring bars – Positive basic shape

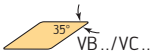
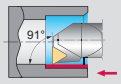
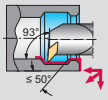
Type				
Machining				
				
Designation	**C...-SCLC**	**C...-SDUC**	**C...-STFC**	**C...-SVQB**
Approach angle	95°	93°	91°	107,5°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Walter Capto™ size	C3–C5	C3–C5	C4–C5	C3–C6
Boring bar Ø d_2 [mm]	16–50	16–40	16–32	16–50
Insert size l [mm]	9–12	7–11	11–16	11–16
Insert size l [1/8 inch]	3–4	2–3	2–3	2–3
Page in catalog	A 312	A 313	A 314	A 315
QR code				
www.walter-tools.com/woc/	C-SCLC	C-SDUC	C-STFC	C-SVQB

QuadFit exchangeable head – Negative basic shape

Type			
Machining			
			
Designation	**Q...-DCLN**	**Q...-DDUN**	**Q...-DWLN**
Approach angle	95°	93°	95°
Clamping system	Claw	Claw	Claw
Coolant supply	axial	axial	axial
QuadFit size	Q32–Q50	Q32–Q50	Q32–Q50
Insert size l [mm]	12–16	11–15	6–8
Insert size l [1/8 inch]	4–5	3–4	3–4
Page in catalog	A 316	A 317	A 318
QR code			
www.walter-tools.com/woc/	Q-DCLN	Q-DDUN	Q-DWLN

QuadFit exchangeable head – Positive basic shape

Type				
Machining				
				
Designation	**Q...-SCLC**	**Q...-SDUC**	**Q...-SDXC**	**Q...-SDUC...-X**
Approach angle	95°	93°	62,5°	32°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
QuadFit size	Q25–Q50	Q25–Q50	Q25–Q50	Q25–Q50
Insert size l [mm]	9–12	11	11	11
Insert size l [1/8 inch]	3–4	3	3	3
Page in catalog	A 319	A 320	A 322	A 321
QR code				
www.walter-tools.com/woc/	Q-SCLC	Q-SDUC	Q-SDXC	Q-SDUC-X

Type		
Machining		
		
Designation	**Q...-STFC**	**Q...-SVUB**
Approach angle	91°	93°
Clamping system	Screw	Screw
Coolant supply	axial	axial
QuadFit size	Q25–Q50	Q25–Q50
Insert size l [mm]	11–16	11–16
Insert size l [1/8 inch]	2–3	2–3
Page in catalog	A 323	A 324
QR code		
www.walter-tools.com/woc/	Q-STFC	Q-SVUB

Vibration-damped boring bar adaptor









	Cylinder shaft adaptor – vibration damped	Walter Capto™ Adaptor – vibration damped	HSK-T adaptor – vibration damped	Cylinder shaft adaptor – vibration damped
Designation	**A3000**	**A3000-C**	**A3000-HSK-T**	**A3001**
Machine-side	Parallel shank with clamping surface	Walter Capto™ in acc. with ISO 26623	HSK DIN 69893-7	Cylindrical shank
Tool-side	Q25 - Q50	Q25 - Q50	Q25 - Q50	QL60 - QL100
Page in catalog	A 326	A 327	A 329	A 331
QR code				
www.walter-tools.com/woc/	A3000	A3000-C	A3000-HSK-T	A3001





	Walter Capto™ Adaptor – vibration damped	HSK-T adaptor – vibration damped
Designation	**A3001-C**	**A3001-HSK-T**
Machine-side	Walter Capto™ in acc. with ISO 26623	HSK DIN 69893-7
Tool-side	QL60 - QL80	QL60 - QL80
Page in catalog	A 332	A 333
QR code		
www.walter-tools.com/woc/	A3001-C	A3001-HSK-T

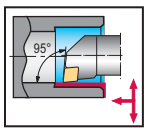
Boring bar – Rigid clamping

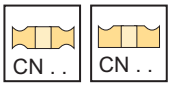
A...-DCLN mm

Walter Turn

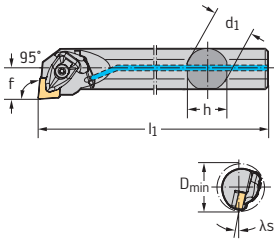


– A = Steel version with internal cooling





Tool

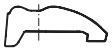
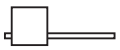


Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A25T-DCLNR12	12	32	25	17	23	300	-6°	-12°	CN .. 1204 ..
A32T-DCLNR12	12	40	32	22	30	300	-6°	-10°	
A40T-DCLNR12	12	50	40	27	37	300	-6°	-15°	
A40T-DCLNR16	16	50	40	27	37	300	-6°	-16°	CN .. 1606 ..
A50U-DCLNR16	16	63	50	35	47	350	-6°	-13°	
A25T-DCLNL12	12	32	25	17	23	300	-6°	-12°	CN .. 1204 ..
A32T-DCLNL12	12	40	32	22	30	300	-6°	-10°	
A40T-DCLNL12	12	50	40	27	37	300	-6°	-15°	
A40T-DCLNL16	16	50	40	27	37	300	-6°	-16°	CN .. 1606 ..
A50U-DCLNL16	16	63	50	35	47	350	-6°	-13°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	CN .. 1204 .. 32–40	CN .. 1204 .. 50	CN .. 1606 .. 50–63
	Shim	AP354-CN12	AP301-CN12	AP302-CN16
	Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm
	Clamp	PK241	PK241	PK242
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm
	Pressure spring	FS1470	FS1470	FS1471
	Pin	RS117	RS117	RS117
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

	Type	CN .. 1204 ..	CN .. 1606 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET
	Insert with hole Carbide clamp set	PK254-SET	

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

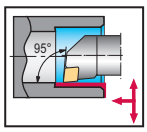
Boring bar – Lever clamping

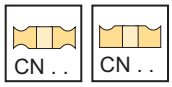
A...-PCLN mm

Walter Turn

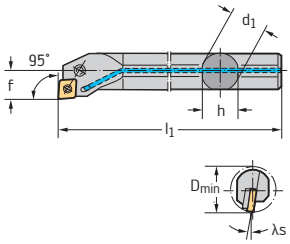


– A = Steel version with internal cooling





Tool



Parallel shank with clamping surface

Designation		D_{min} mm	d_1	f mm	h mm	l_1 mm	γ	λ_s	Type
A16R-PCLNL09	9	20	16	11	15	200	-6°	-13°	CN .. 0903 ..
A16R-PCLNR09	9	20	16	11	15	200	-6°	-13°	
A20S-PCLNL09	9	25	20	13	18	250	-6°	-11°	
A20S-PCLNR09	9	25	20	13	18	250	-6°	-11°	
A25T-PCLNL09	9	32	25	17	23	300	-6°	-10°	
A25T-PCLNR09	9	32	25	17	23	300	-6°	-10°	
A25T-PCLNL12	12	32	25	17	23	300	-6°	-10°	CN .. 1204 ..
A25T-PCLNR12	12	32	25	17	23	300	-6°	-10°	
A32T-PCLNL12	12	40	32	22	30	300	-6°	-11°	
A32T-PCLNR12	12	40	32	22	30	300	-6°	-11°	
A40T-PCLNL12	12	50	40	27	37	300	-6°	-10°	
A40T-PCLNR12	12	50	40	27	37	300	-6°	-10°	
A32T-PCLNL16	16	55	32	22	30	300	-6°	-10°	CN .. 1606 ..
A32T-PCLNR16	16	55	32	22	30	300	-6°	-10°	
A40T-PCLNL16	16	58	40	27	37	300	-6°	-10°	
A40T-PCLNR16	16	58	40	27	37	300	-6°	-10°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	CN .. 0903 .. 20–32	CN .. 1204 .. 32	CN .. 1204 .. 40	CN .. 1204 .. 50	CN .. 1606 .. 55–58
Shim			AP134-CN1216	AP134-CN1216	AP135-CN1624
Lever	KN126	KN128	KN121	KN102	KN104
Clamping screw Tightening torque	FS2182 2 Nm	FS332 (SW 2.5) 2.5 Nm	FS2129 5 Nm	FS352 5 Nm	FS354 (SW 3) 5 Nm
Shim pin			RS102	RS102	RS103
Tapered assembly pin			MD101	MD101	MD102
Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)

Accessories

Type	CN .. 0903 ..–CN .. 1204 ..	CN .. 1606 ..
Shim		AP135-CN1616

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

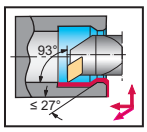
Boring bar – Rigid clamping

A...-DDUN mm

Walter Turn

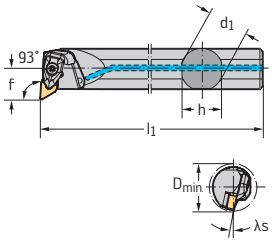


– A = Steel version with internal cooling





Tool

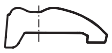
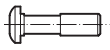
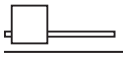


Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A25T-DDUNL11	11	32	25	17	23	300	-6°	-12°	DN .. 1104 ..
A25T-DDUNR11	11	32	25	17	23	300	-6°	-12°	
A32T-DDUNL11	11	40	32	22	30	300	-6°	-10°	
A32T-DDUNR11	11	40	32	22	30	300	-6°	-10°	
A32T-DDUNL15	15	40	32	22	30	300	-6°	-14°	DN .. 1506 ..
A32T-DDUNR15	15	40	32	22	30	300	-6°	-14°	
A40T-DDUNL15	15	50	40	27	37	300	-6°	-11°	
A40T-DDUNR15	15	50	40	27	37	300	-6°	-11°	
A50U-DDUNL15	15	63	50	35	47	350	-6°	-8°	
A50U-DDUNR15	15	63	50	35	47	350	-6°	-8°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DN .. 1104 .. 32–40	DN .. 1506 .. 40–63
	Shim	AP305-DN11	AP304-DN15
	Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm	FS1461 (T15IP) 2.5 Nm
	Clamp	PK240	PK241
	Screw for clamp Tightening torque	FS1472 (T9IP) 1.7 Nm	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS1469	FS1470
	Pin	RS116	RS117
	Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

	Type	DN .. 1104 ..	DN .. 1506 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET
	Insert without hole Carbide clamp set		PK245-SET
	Insert without hole Carbide clamp set		PK254-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

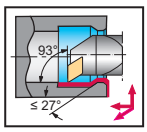
Boring bar – Rigid clamping

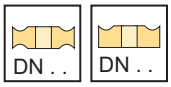
A...-DDUN inch

Walter Turn

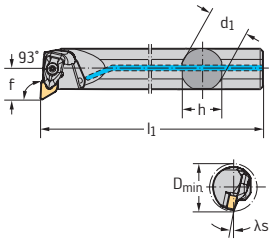


– A = Steel version with internal cooling





Tool

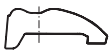
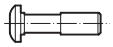
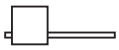


Parallel shank with clamping surface

Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	γ	λ_s	Type
A12S-DDUNL3	0.433	1.250	0.750	0.625	0.709	10.000	-6°		DN .. 33 . DN .. 1104 ..
A12S-DDUNR3	0.433	1.250	0.750	0.625	0.709	10.000	-6°		
A16T-DDUNL3	0.433	1.299	1.000	0.750	0.906	12.000	-6°	-12°	
A16T-DDUNR3	0.433	1.299	1.000	0.750	0.906	12.000	-6°	-12°	
A16T-DDUNL4	0.591	1.500	1.000	0.750	0.906	12.000	-6°	-15°	DN .. 44 . DN .. 1506 ..
A16T-DDUNR4	0.591	1.500	1.000	0.750	0.906	12.000	-6°	-15°	
A20T-DDUNL4	0.591	1.705	1.250	1.000	1.181	12.000	-6°	-13°	
A20T-DDUNR4	0.591	1.705	1.250	1.000	1.181	12.000	-6°	-13°	
A24T-DDUNL4	0.591	2.000	1.500	1.125	1.374	12.000	-6°	-11°	
A24T-DDUNR4	0.591	2.000	1.500	1.125	1.374	12.000	-6°	-11°	
A32U-DDUNL4	0.591	2.677	2.000	1.500	1.874	14.000	-6°		
A32U-DDUNR4	0.591	2.677	2.000	1.500	1.874	14.000	-6°	-8°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DN .. 33 . DN .. 1104 .. 1.250–1.299	DN .. 44 . DN .. 1506 .. 1.500–2.677
	Shim	AP305-DN11	AP304-DN15
	Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs
	Clamp	PK240	PK241
	Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS1469	FS1470
	Pin	RS116	RS117
	Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

	Type	DN .. 33 . DN .. 1104 ..	DN .. 44 . DN .. 1506 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET
	Insert with hole Carbide clamp set		PK245-SET
	Shim		AP304-DN1504
	Shim		AP412-DN1507

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

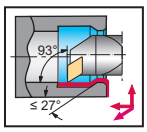
Boring bar – Lever clamping

A...-PDUN mm

Walter Turn

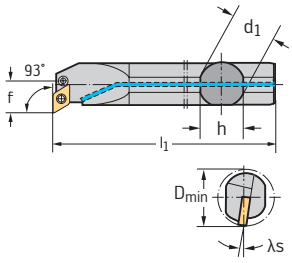


– A = Steel version with internal cooling





Tool



Parallel shank with clamping surface

Designation		D_{min} mm	d_1	f mm	h mm	l_1 mm	γ	λ_s	Type
A25T-PDUNL11	11	32	25	17	23	300	-6°	-11°	DN .. 1104 ..
A25T-PDUNR11	11	32	25	17	23	300	-6°	-11°	
A32T-PDUNL11	11	40	32	22	30	300	-6°	-10°	
A32T-PDUNR11	11	40	32	22	30	300	-6°	-10°	
A40T-PDUNL11	11	50	40	27	37	300	-6°	-11°	
A40T-PDUNR11	11	50	40	27	37	300	-6°	-11°	
A32T-PDUNL15	15	40	32	22	30	300	-6°	-12°	DN .. 1506 ..
A32T-PDUNR15	15	40	32	22	30	300	-6°	-12°	
A40T-PDUNL15	15	50	40	27	37	300	-6°	-11°	
A40T-PDUNR15	15	50	40	27	37	300	-6°	-11°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	DN .. 1104 .. 32	DN .. 1104 .. 40–50	DN .. 1506 .. 40–50
Shim		AP171-DN1112	AP145-DN1516
Lever	KN120	KN119	KN103
Clamping screw Tightening torque	FS905 (SW 2) 2 Nm	FS351 2 Nm	FS355 5 Nm
Shim pin		RS101	RS102
Tapered assembly pin		MD101	MD101
Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)

Accessories

Type	DN .. 1104 ..	DN .. 1506 ..
Shim		AP145-DN1508
Shim for DN .. 1504 ..		AP357-DN1508
Shim for DN .. 1504 ..		AP357-DN1516

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

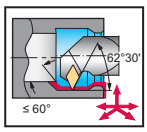
Boring bar – Rigid clamping

A...-DDXN mm

Walter Turn

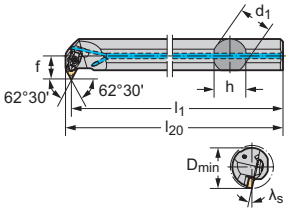


– A = Steel version with internal cooling
– Additional coolant hole for blind hole machining





Tool

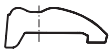
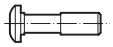
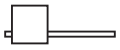


Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	l_{20} mm	γ	λ_s	Type
A32T-DDXNL11	11	40	32	22	30	300	306.1	-6°	-10°	DN .. 1104 ..
A32T-DDXNR11	11	40	32	22	30	300	306.1	-6°	-10°	
A40T-DDXNL15	15	50	40	27	37	300	308.5	-6°	-11°	DN .. 1506 ..
A40T-DDXNR15	15	50	40	27	37	300	308.5	-6°	-11°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DN .. 1104 .. 40	DN .. 1506 .. 50
	Shim	AP305-DN11	AP304-DN15
	Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm	FS1461 (T15IP) 2.5 Nm
	Clamp	PK240	PK241
	Screw for clamp Tightening torque	FS1472 (T9IP) 1.7 Nm	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS1469	FS1470
	Pin	RS116	RS117
	Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

	Type	DN .. 1104 ..	DN .. 1506 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET
	Insert without hole Carbide clamp set		PK245-SET
	Insert without hole Carbide clamp set		PK254-SET
	Shim for DN .. 1504 ..	AP304-DN1504	AP304-DN1504

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

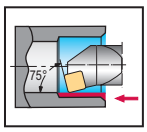
Boring bar – Rigid clamping

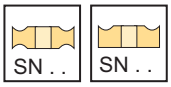
A...-DSKN mm

Walter Turn

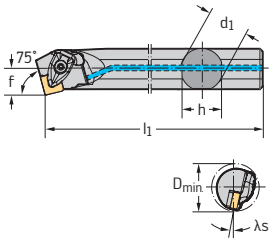


– A = Steel version with internal cooling





Tool

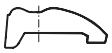
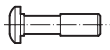
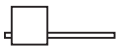


Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A25T-DSKNL12	12	32	25	17	23	300	-6°	-11°	SN .. 1204 ..
A25T-DSKNR12	12	32	25	17	23	300	-6°	-11°	
A32T-DSKNL12	12	40	32	22	30	300	-6°	-9°	
A32T-DSKNR12	12	40	32	22	30	300	-6°	-9°	
A40T-DSKNL12	12	50	40	27	37	300	-6°	-13°	
A40T-DSKNR12	12	50	40	27	37	300	-6°	-13°	
A40T-DSKNL15	15	50	40	27	37	300	-6°	-14°	SN .. 1506 ..
A40T-DSKNR15	15	50	40	27	37	300	-6°	-14°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	SN .. 1204 .. 32–40	SN .. 1204 .. 50	SN .. 1506 .. 50
	Shim	AP355-SN12	AP308-SN12	AP309-SN15
	Screw for shim Tightening torque	FS1461 (T15IP) 2.5 Nm	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm
	Clamp	PK241	PK241	PK242
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm
	Pressure spring	FS1470	FS1470	FS1471
	Pin	RS117	RS117	RS117
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

	Type	SN .. 1204 ..	SN .. 1506 ..
	(standard assembly parts) Clamp set	PK241-SET	PK242-SET
	Insert with hole Carbide clamp set	PK245-SET	PK246-SET
	Insert with hole Carbide clamp set	PK254-SET	

WALTER SELECT

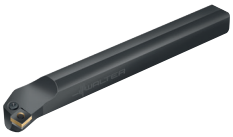
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

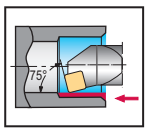
Boring bar – Lever clamping

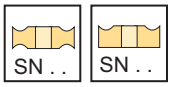
A...-PSKN mm

Walter Turn

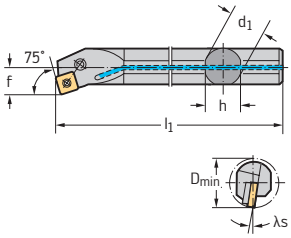


– A = Steel version with internal cooling





Tool



Parallel shank with clamping surface

Designation		D_{min} mm	d_1	f mm	h mm	l_1 mm	γ	λ_s	Type
A25T-PSKNL12	12	32	25	17	23	300	-6°	-11°	SN .. 1204 ..
A25T-PSKNR12	12	32	25	17	23	300	-6°	-11°	
A32T-PSKNL12	12	40	32	22	30	300	-6°	-10°	
A32T-PSKNR12	12	40	32	22	30	300	-6°	-10°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	SN .. 1204 .. 32	SN .. 1204 .. 40
	Shim		AP141-SN1216
	Lever	KN128	KN121
	Clamping screw Tightening torque	FS332 (SW 2.5) 2.5 Nm	FS2129 5 Nm
	Shim pin		RS102
	Tapered assembly pin		MD101
	Allen key	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

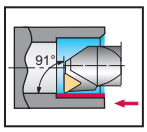
Boring bar – Rigid clamping

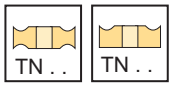
A...-DTFN mm

Walter Turn

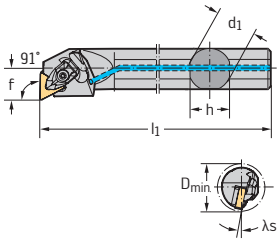


– A = Steel version with internal cooling





Tool

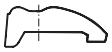
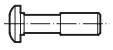
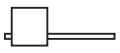


Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A25T-DTFNL16	16	32	25	17	23	300	-6°	-12°	TN .. 1604 ..
A25T-DTFNR16	16	32	25	17	23	300	-6°	-12°	
A32T-DTFNL16	16	40	32	22	30	300	-6°	-10°	
A32T-DTFNR16	16	40	32	22	30	300	-6°	-10°	
A40T-DTFNL16	16	50	40	27	37	300	-6°	-8°	
A40T-DTFNR16	16	50	40	27	37	300	-6°	-8°	
A40T-DTFNL22	22	50	40	27	37	300	-6°	-13°	TN .. 2204 ..
A40T-DTFNR22	22	50	40	27	37	300	-6°	-13°	
A50U-DTFNL22	22	63	50	35	47	350	-6°	-10°	
A50U-DTFNR22	22	63	50	35	47	350	-6°	-10°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	TN .. 1604 .. 32–50	TN .. 2204 .. 50–63
	Shim	AP356-TN16	AP322-TN22
	Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm	FS1461 (T15IP) 2.5 Nm
	Clamp	PK240	PK241
	Screw for clamp Tightening torque	FS1472 (T9IP) 1.7 Nm	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS1469	FS1470
	Pin	RS116	RS117
	Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

	Type	TN .. 1604 ..	TN .. 2204 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET
	Insert without hole Carbide clamp set		PK245-SET
	Insert without hole Carbide clamp set		PK254-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

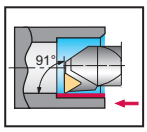
Boring bar – Rigid clamping

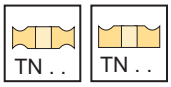
A...-DTFN inch

Walter Turn

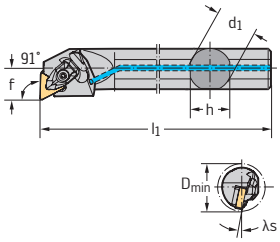


– A = Steel version with internal cooling





Tool



Parallel shank with clamping surface

Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	γ	λ_s	Type
A12S-DTFNL3	0.630	1.024	0.750	0.500	0.709	10.000	-6°	-14°	TN .. 33 . TN .. 1604 ..
A12S-DTFNR3	0.630	1.024	0.750	0.500	0.709	10.000	-6°	-14°	
A16T-DTFNL3	0.630	1.201	1.000	0.640	0.906	12.000	-6°	-12°	
A16T-DTFNR3	0.630	1.201	1.000	0.640	0.906	12.000	-6°	-12°	
A20T-DTFNL3	0.630	1.469	1.250	0.765	1.181	12.000	-6°	-11°	
A20T-DTFNR3	0.630	1.469	1.250	0.765	1.181	12.000	-6°	-11°	
A24T-DTFNL4	0.866	1.760	1.500	0.890	1.374	12.000	-6°	-15°	TN .. 43 . TN .. 2204 ..
A24T-DTFNR4	0.866	1.760	1.500	0.890	1.374	12.000	-6°	-15°	
A32U-DTFNL4	0.866	2.402	2.000	1.281	1.874	14.000	-6°		
A32U-DTFNR4	0.866	2.402	2.000	1.281	1.874	14.000	-6°		

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	TN .. 33 . TN .. 1604 .. 1.024–1.469	TN .. 43 . TN .. 2204 .. 1.760–2.402
Shim	AP356-TN16	AP322-TN22
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs
Clamp	PK240	PK241
Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs
Pressure spring	FS1469	FS1470
Pin	RS116	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

Type	TN .. 33 . TN .. 1604 ..	TN .. 43 . TN .. 2204 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET
Insert with hole Carbide clamp set		PK245-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

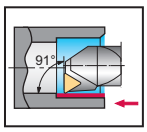
Boring bar – Lever clamping

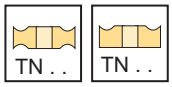
A...-PTFN mm

Walter Turn



– A = Steel version with internal cooling





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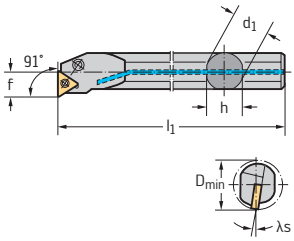


Parallel shank with clamping surface

Designation		D_{min} mm	d_1	f mm	h mm	l_1 mm	γ	λ_s	Type
A16R-PTFNL11	11	20	16	11	15	200	-6°	-14°	TN .. 1103 ..
A16R-PTFNR11	11	20	16	11	15	200	-6°	-14°	
A20S-PTFNL11	11	25	20	13	18	250	-6°	-12°	
A20S-PTFNR11	11	25	20	13	18	250	-6°	-12°	
A25T-PTFNL16	16	32	25	17	23	300	-6°	-13°	TN .. 1604 ..
A25T-PTFNR16	16	32	25	17	23	300	-6°	-13°	
A32T-PTFNL16	16	50	32	22	30	300	-6°	-12°	
A32T-PTFNR16	16	50	32	22	30	300	-6°	-12°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	TN .. 1103 .. 20–25	TN .. 1604 .. 32–50
Shim		AP137-TN1616
Lever	KN127	KN101
Clamping screw Tightening torque	FS2182 2 Nm	FS351 2 Nm
Shim pin		RS101
Tapered assembly pin		MD101
Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)

Accessories

Type	TN .. 1103 ..	TN .. 1604 ..
Shim		AP137-TN1608

WALTER SELECT

●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

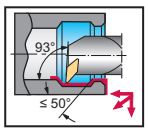
Boring bar – Rigid clamping

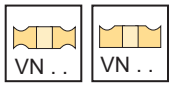
A...-DVUN mm

Walter Turn



– A = Steel version with internal cooling





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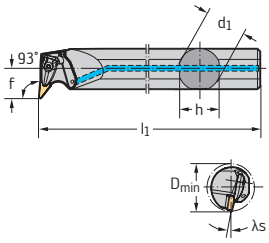


Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A40T-DVUNL16	16	50	40	27	37	300	-6°	-9°	VN .. 1604 ..
A40T-DVUNR16	16	50	40	27	37	300	-6°	-9°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VN .. 1604 .. 50
	Shim	AP312-VN16
	Screw for shim Tightening torque	FS1467 (T15IP) 3 Nm
	Clamp	PK244
	Screw for clamp Tightening torque	FS1473 (T15IP) 3.9 Nm
	Pressure spring	FS1470
	Pin	RS117
	Torx key	FS1465 (T15IP)

Accessories

	Type	VN .. 1604 ..
	(standard assembly parts) Clamp set	PK244-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

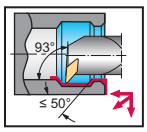
Boring bar – Rigid clamping

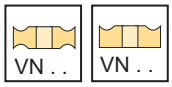
A...-DVUN inch

Walter Turn



– A = Steel version with internal cooling





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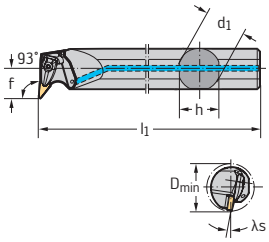
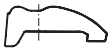
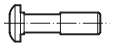
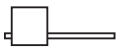


Parallel shank with clamping surface

Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	γ	λ_s	Type
A20T-DVUNL3	0.630	1.705	1.250	1.000	1.181	12.000	-6°	-9°	VN .. 33 . VN .. 1604 ..
A20T-DVUNR3	0.630	1.705	1.250	1.000	1.181	12.000	-6°	-9°	
A24T-DVUNL3	0.630	2.000	1.500	1.125	1.374	12.000	-6°	-8°	
A24T-DVUNR3	0.630	2.000	1.500	1.125	1.374	12.000	-6°	-8°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VN .. 33 . VN .. 1604 .. 1.705–2.000
	Shim	AP312-VN16
	Screw for shim Tightening torque	FS1467 (T15IP) 27 in lbs
	Clamp	PK244
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS1470
	Pin	RS117
	Torx key	FS1465 (T15IP)

Accessories

	Type	VN .. 33 . VN .. 1604 ..
	(standard assembly parts) Clamp set	PK244-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

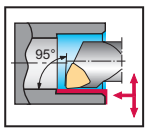
Boring bar – Rigid clamping

A...-DWLN mm

Walter Turn

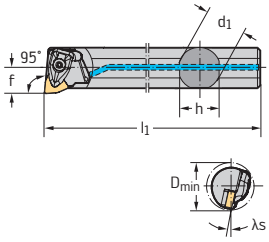


– A = Steel version with internal cooling





Tool



Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A25T-DWLNL06	6	32	25	17	23	300	-6°	-14°	WN .. 0604 ..
A25T-DWLNR06	6	32	25	17	23	300	-6°	-14°	
A32T-DWLNL06	6	40	32	22	30	300	-6°	-11°	
A32T-DWLNR06	6	40	32	22	30	300	-6°	-11°	
A25T-DWLNL08	8	32	25	17	23	300	-6°	-12°	WN .. 0804 ..
A25T-DWLNR08	8	32	25	17	23	300	-6°	-12°	
A32T-DWLNL08	8	40	32	22	30	300	-6°	-10°	
A32T-DWLNR08	8	40	32	22	30	300	-6°	-10°	
A40T-DWLNL08	8	50	40	27	37	300	-6°	-13°	
A40T-DWLNR08	8	50	40	27	37	300	-6°	-13°	
A50U-DWLNL08	8	63	50	35	47	350	-6°	-11°	
A50U-DWLNR08	8	63	50	35	47	350	-6°	-11°	
A40T-DWLNL10	10	50	40	27	37	300	-6°	-16°	WN .. 1006 ..
A40T-DWLNR10	10	50	40	27	37	300	-6°	-16°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	WN .. 0604 .. 32–40	WN .. 0804 .. 32–40	WN .. 0804 .. 50–63	WN .. 1006 .. 50
Shim	AP306-WN06	AP331-WN08	AP307-WN08	AP311-WN10
Screw for shim Tightening torque	FS1462 (T9IP) 1.5 Nm	FS1461 (T15IP) 2.5 Nm	FS1461 (T15IP) 2.5 Nm	FS1463 (T20IP) 5 Nm
Clamp	PK240	PK241	PK241	PK242
Screw for clamp Tightening torque	FS1472 (T9IP) 1.7 Nm	FS1473 (T15IP) 3.9 Nm	FS1473 (T15IP) 3.9 Nm	FS1474 (T20IP) 6.4 Nm
Pressure spring	FS1469	FS1470	FS1470	FS1471
Pin	RS116	RS117	RS117	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

Type	WN .. 0604 ..	WN .. 0804 ..	WN .. 1006 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET	PK242-SET
Insert with hole Carbide clamp set		PK245-SET	PK246-SET
Insert with hole Carbide clamp set		PK254-SET	

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

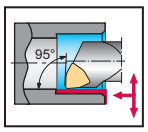
Boring bar – Rigid clamping

A...-DWLN inch

Walter Turn

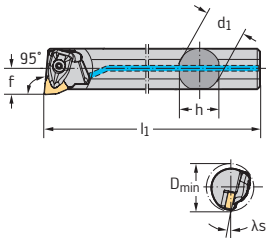


– A = Steel version with internal cooling





Tool

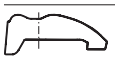
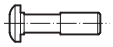
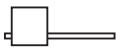


Parallel shank with clamping surface

Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	γ	λ_s	Type
A16T-DWLNL3	0.236	1.299	1.000	0.750	0.906	12.000	-6°	-14°	WN .. 33 . WN .. 0604 ..
A16T-DWLNR3	0.236	1.299	1.000	0.750	0.906	12.000	-6°	-14°	
A20T-DWLNL3	0.236	1.705	1.250	1.000	1.181	12.000	-6°	-10°	
A20T-DWLNR3	0.236	1.705	1.250	1.000	1.181	12.000	-6°	-10°	
A16T-DWLNL4	0.315	1.299	1.000	0.750	0.906	12.000	-6°	-12°	WN .. 43 . WN .. 0804 ..
A16T-DWLNR4	0.315	1.299	1.000	0.750	0.906	12.000	-6°	-12°	
A20T-DWLNL4	0.315	1.705	1.250	1.000	1.181	12.000	-6°	-15°	
A20T-DWLNR4	0.315	1.705	1.250	1.000	1.181	12.000	-6°	-15°	
A24T-DWLNL4	0.315	2.000	1.500	1.000	1.374	12.000	-6°	-13°	
A24T-DWLNR4	0.315	2.000	1.500	1.000	1.374	12.000	-6°	-13°	
A32U-DWLNL4	0.315	2.500	2.000	1.325	1.874	14.000	-6°	-11°	
A32U-DWLNR4	0.315	2.500	2.000	1.325	1.874	14.000	-6°	-11°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	WN .. 33 . WN .. 0604 .. 1.299–1.705	WN .. 43 . WN .. 0804 .. 1.299–1.705	WN .. 43 . WN .. 0804 .. 2.000–2.500
	Shim	AP306-WN06		AP331-WN08
	Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs		
	Clamp	PK240		
	Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs		
	Pressure spring	FS1469		
	Pin	RS116		
	Torx key	FS1466 (T9IP)		

Accessories

	Type	WN .. 33 . WN .. 0604 ..	WN .. 43 . WN .. 0804 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET
	Insert with hole Carbide clamp set		PK245-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

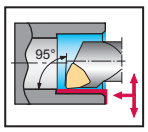
Boring bar – Lever clamping

A...-PWLN mm

Walter Turn

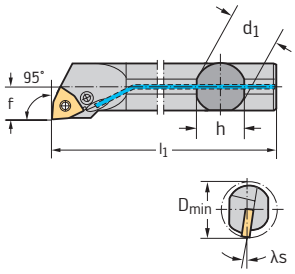


– A = Steel version with internal cooling





Tool



Parallel shank with clamping surface

Designation		D_{min} mm	d_1	f mm	h mm	l_1 mm	γ	λ_s	Type
A20S-PWLNL06	6	25	20	13	18	250	-6°	-15°	WN .. 0604 ..
A20S-PWLNR06	6	25	20	13	18	250	-6°	-15°	
A25T-PWLNL06	6	32	25	17	23	300	-6°	-12°	
A25T-PWLNR06	6	32	25	17	23	300	-6°	-12°	
A32T-PWLNL06	6	40	32	22	30	300	-6°	-12°	
A32T-PWLNR06	6	40	32	22	30	300	-6°	-12°	
A25T-PWLNL08	8	32	25	17	23	300	-6°	-10°	WN .. 0804 ..
A25T-PWLNR08	8	32	25	17	23	300	-6°	-10°	
A32T-PWLNL08	8	40	32	22	30	300	-6°	-10°	
A32T-PWLNR08	8	40	32	22	30	300	-6°	-10°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	WN .. 0604 .. 25–32	WN .. 0604 .. 40	WN .. 0804 .. 32	WN .. 0804 .. 40
	Shim		AP172-WN0612		AP170-WN0816
	Lever	KN108	KN101	KN128	KN102
	Clamping screw Tightening torque	FS331 (SW 2) 2 Nm	FS351 2 Nm	FS332 (SW 2.5) 2.5 Nm	FS352 5 Nm
	Shim pin		RS101		RS102
	Tapered assembly pin		MD101		MD101
	Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Boring bar – Screw clamping

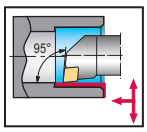
A...-SCLC / A...-SCLC...-R / E...-SCLC...-R mm

Walter Turn

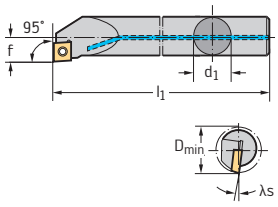
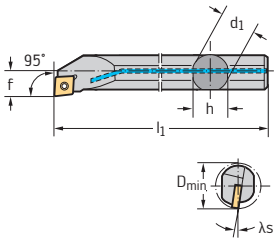
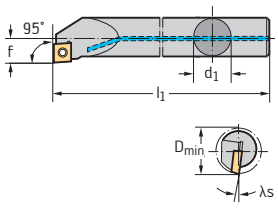




– A = Steel version with internal cooling





Tool	Designation		D_{min} mm	d_1	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
 Cylindrical shank	E08K-SCLCR06-R	6	10	8		5		125	0°	-13.8°	CC .. 0602 ..
	E10M-SCLCR06-R	6	12	10		6		150	0°	-10.9°	
	E12Q-SCLCR06-R	6	16	12		9		180	0°	-7.3°	
	E16R-SCLCR09-R	9	20	16		11		200	0°	-8.4°	CC .. 09T3 ..
	E20S-SCLCR09-R	9	25	20		13		220	0°	-6°	
	E25T-SCLCR09-R	9	32	25		17		270	0°	-3°	
 Parallel shank with clamping surface	A08H-SCLCL06	6	10		8	5	7	100	0°	-13.8°	CC .. 0602 ..
	A08H-SCLCR06	6	10		8	5	7	100	0°	-13.8°	
	A10K-SCLCL06	6	12		10	6	9	125	0°	-10.9°	
	A10K-SCLCR06	6	12		10	6	9	125	0°	-10.9°	
	A12M-SCLCL06	6	16		12	9	11	150	0°	-7.3°	
	A12M-SCLCR06	6	16		12	9	11	150	0°	-7.3°	
	A16R-SCLCL09	9	20		16	11	15	200	0°	-8.4°	CC .. 09T3 ..
	A16R-SCLCR09	9	20		16	11	15	200	0°	-8.4°	
	A20S-SCLCL09	9	25		20	13	18	250	0°	-5.8°	
	A20S-SCLCR09	9	25		20	13	18	250	0°	-5.8°	
	A25T-SCLCL09	9	32		25	17	23	300	0°	-3.4°	
	A25T-SCLCR09	9	32		25	17	23	300	0°	-3.4°	
	A25T-SCLCL12	12	32		25	17	23	300	0°	-4.6°	CC .. 1204 ..
	A25T-SCLCR12	12	32		25	17	23	300	0°	-4.6°	
	A32T-SCLCL12	12	40		32	22	30	300	0°	-9.8°	
	A32T-SCLCR12	12	40		32	22	30	300	0°	-9.8°	
 Cylindrical shank	A08H-SCLCL06-R	6	10	8		5		100	0°	-13.8°	CC .. 0602 ..
	A08H-SCLCR06-R	6	10	8		5		100	0°	-13.8°	
	A10K-SCLCL06-R	6	12	10		6		125	0°	-10.9°	
	A10K-SCLCR06-R	6	12	10		6		125	0°	-10.9°	
	A12M-SCLCL06-R	6	16	12		9		150	0°	-7.3°	
	A12M-SCLCR06-R	6	16	12		9		150	0°	-7.3°	
	A16R-SCLCL09-R	9	20	16		11		200	0°	-8.4°	CC .. 09T3 ..
	A16R-SCLCR09-R	9	20	16		11		200	0°	-8.4°	
	A20S-SCLCL09-R	9	25	20		13		250	0°	-5.8°	
	A20S-SCLCR09-R	9	25	20		13		250	0°	-5.8°	

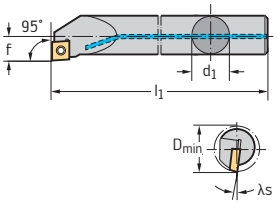
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Tool

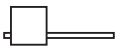


Cylindrical shank

Designation		D_{min} mm	d_1	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
E08K-SCLCL06-R	6	10	8		5		125	0°	-13.8°	CC .. 0602 ..
E10M-SCLCL06-R	6	12	10		6		150	0°	-10.9°	
E12Q-SCLCL06-R	6	16	12		9		180	0°	-7.3°	
E16R-SCLCL09-R	9	20	16		11		200	0°	-8.4°	CC .. 09T3 ..
E20S-SCLCL09-R	9	25	20		13		220	0°	-6°	
E25T-SCLCL09-R	9	32	25		17		270	0°	-3°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	CC .. 0602 ..	CC .. 09T3 ..	CC .. 1204 ..
	Clamping screw for indexable insert Tightening torque	FS2066 (T7IP) 0.9 Nm	FS2062 (T15IP) 3 Nm	FS2064 (T15IP) 3 Nm
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1496 (T15IP)

Boring bar – Screw clamping

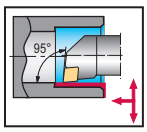
A...-SCLC / E...-SCLC inch

Walter Turn



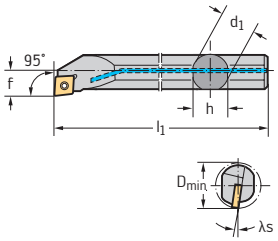


– A = Steel version with internal cooling



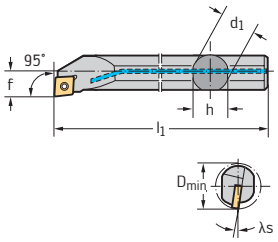


Tool



Parallel shank with clamping surface

Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	γ	λ_s	Type
A06M-SCLCL2	0.236	0.48	0.375	0.250	0.336	6.000	0°	-10.696°	CC .. 2(1.5) . CC .. 0602 ..
A06M-SCLCR2	0.236	0.48	0.375	0.250	0.336	6.000	0°	-10.696°	
A08M-SCLCL2	0.236	0.598	0.500	0.312	0.460	6.000	0°	-7.86°	
A08M-SCLCR2	0.236	0.598	0.500	0.312	0.460	6.000	0°	-7.86°	
A10R-SCLCL2	0.236	0.772	0.625	0.406	0.562	8.000	0°	-5.34°	
A10R-SCLCR2	0.236	0.772	0.625	0.406	0.562	8.000	0°	-5.34°	
A10R-SCLCL3	0.354	0.772	0.625	0.406	0.562	8.000	0°	-8.696°	CC .. 3(2.5) . CC .. 09T3 ..
A10R-SCLCR3	0.354	0.772	0.625	0.406	0.562	8.000	0°	-8.696°	
A12S-SCLCL3	0.354	0.929	0.750	0.500	0.709	10.000	0°	-6.371°	
A12S-SCLCR3	0.354	0.929	0.750	0.500	0.709	10.000	0°	-6.371°	
A16T-SCLCL3	0.354	1.201	1.000	0.640	0.906	12.000	0°	-3.834°	
A16T-SCLCR3	0.354	1.201	1.000	0.640	0.906	12.000	0°	-3.834°	
A16T-SCLCL4	0.472	1.201	1.000	0.640	0.906	12.000	0°	-5.103°	CC .. 43 . CC .. 1204 ..
A16T-SCLCR4	0.472	1.201	1.000	0.640	0.906	12.000	0°	-5.103°	
A20T-SCLCL4	0.472	1.469	1.250	0.765	1.181	12.000	0°	-10.738°	
A20T-SCLCR4	0.472	1.469	1.250	0.765	1.181	12.000	0°	-10.738°	

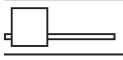


Parallel shank with clamping surface

E06M-SCLCL2	0.236	0.48	0.375	0.250	0.359	6.000	0°	-10.696°	CC .. 2(1.5) . CC .. 0602 ..
E06M-SCLCR2	0.236	0.48	0.375	0.250	0.359	6.000	0°	-10.696°	
E08R-SCLCL2	0.236	0.598	0.500	0.312	0.484	8.000	0°	-7.86°	
E08R-SCLCR2	0.236	0.598	0.500	0.312	0.484	8.000	0°	-7.86°	
E10R-SCLCL2	0.236	0.772	0.625	0.406	0.609	8.000	0°	-5.34°	
E10R-SCLCR2	0.236	0.772	0.625	0.406	0.609	8.000	0°	-5.34°	
E12S-SCLCL3	0.354	0.929	0.750	0.500	0.734	10.000	0°	-6.371°	CC .. 3(2.5) . CC .. 09T3 ..
E12S-SCLCR3	0.354	0.929	0.750	0.500	0.734	10.000	0°	-6.371°	
E16T-SCLCL3	0.354	1.201	1.000	0.640	0.984	12.000	0°	-3.834°	
E16T-SCLCR3	0.354	1.201	1.000	0.640	0.984	12.000	0°	-3.834°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	CC .. 2(1.5) . CC .. 0602 .. 0.48	CC .. 2(1.5) . CC .. 0602 .. 0.598–0.772	CC .. 3(2.5) . CC .. 09T3 .. 0.772	CC .. 3(2.5) . CC .. 09T3 .. 0.929–1.201	CC .. 43 . CC .. 1204 .. 1.201	CC .. 43 . CC .. 1204 .. 1.469
 Clamping screw for indexable insert Tightening torque	FS2066 (T7IP) 8 in lbs	FS2061 (T7IP) 8 in lbs	FS2062 (T15IP) 27 in lbs	FS2063 (T15IP) 27 in lbs	FS2064 (T15IP) 27 in lbs	FS2065 (T15IP) 27 in lbs
 Shim						AP314-CC1212
 Clamping screw for shim						FS2069 (SW 4)
 Torx key	FS1490 (T7IP)	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1496 (T15IP)	FS1496 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

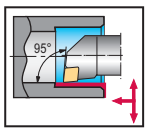
Boring bar – Screw clamping

A...-SCLP / E...-SCLP inch

Walter Turn

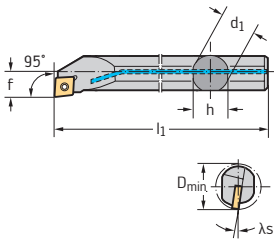


– A = Steel version with internal cooling
– E = Solid carbide version with internal cooling



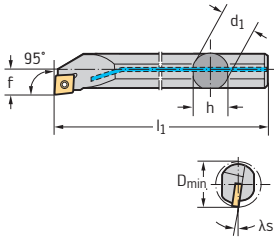


Tool



Parallel shank with clamping surface

Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	γ	λ_s	Type
A05K-SCLPL2	0.236	0.413	0.312	0.219	0.272	5.000	0°	-9°	CP .. 2(1.5) . CP .. 0602 ..
A05K-SCLPR2	0.236	0.413	0.312	0.219	0.272	5.000	0°	-9°	
A06M-SCLPL2	0.236	0.48	0.375	0.250	0.336	6.000	4°	-6.5°	
A06M-SCLPR2	0.236	0.48	0.375	0.250	0.336	6.000	4°	-6.5°	
A08M-SCLPL2	0.236	0.598	0.500	0.312	0.460	6.000	6°	-2.58°	
A08M-SCLPR2	0.236	0.598	0.500	0.312	0.460	6.000	6°	-2.58°	
A10R-SCLPL2	0.236	0.772	0.625	0.406	0.562	8.000	0°	-5°	
A10R-SCLPR2	0.236	0.772	0.625	0.406	0.562	8.000	0°	5°	
A12S-SCLPL3	0.354	0.929	0.750	0.500	0.709	10.000	0°	-6.3°	CP .. 3(2.5) . CP .. 09T3 ..
A12S-SCLPR3	0.354	0.929	0.750	0.500	0.709	10.000	0°	-6.3°	
A16T-SCLPL3	0.354	1.201	1.000	0.639	0.906	14.173	0°	1°	
A16T-SCLPR3	0.354	1.201	1.000	0.639	0.906	14.173	6°	1°	



Parallel shank with clamping surface

E06M-SCLPL2	0.236	0.48	0.375	0.250	0.359	6.000	4°	-7°	CP .. 2(1.5) . CP .. 0602 ..
E06M-SCLPR2	0.236	0.48	0.375	0.250	0.359	6.000	4°	-7°	
E08R-SCLPL2	0.236	0.598	0.500	0.312	0.484	8.000	6°	-3°	
E08R-SCLPR2	0.236	0.598	0.500	0.312	0.484	8.000	6°	-3°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	CP .. 2(1.5) . CP .. 0602 .. 0.413	CP .. 2(1.5) . CP .. 0602 .. 0.48–0.598	CP .. 2(1.5) . CP .. 0602 .. 0.772	CP .. 3(2.5) . CP .. 09T3 .. 0.929	CP .. 3(2.5) . CP .. 09T3 .. 1.201
Clamping screw for indexable insert Tightening torque	FS2187 (T7IP) 0.9 Nm	FS2066 (T7IP) 0.9 Nm	FS2061 (T7IP) 0.9 Nm	FS2062 (T15IP) 3 Nm	FS2063 (T15IP) 3 Nm
Torx key	FS1490 (T7IP)	FS1490 (T7IP)	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

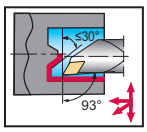
Boring bar – Screw clamping

A...-SDJC mm

Walter Turn

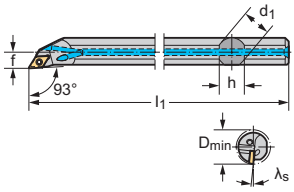


– A = Steel version with internal cooling
– Additional coolant hole for blind hole machining





Tool

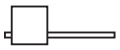


Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A16R-SDJCL07	7	20	16	9	15	200	0°	-6°	DC .. 0702 ..
A16R-SDJCR07	7	20	16	9	15	200	0°	-6°	
A20S-SDJCL11	11	25	20	12	18	250	0°	-6°	DC .. 11T3 ..
A20S-SDJCR11	11	25	20	12	18	250	0°	-6°	
A25T-SDJCL11	11	32	25	14	23	300	0°	-4°	
A25T-SDJCR11	11	32	25	14	23	300	0°	-4°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 0702 .. 20	DC .. 11T3 .. 25–32
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2062 (T15IP) 3 Nm
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

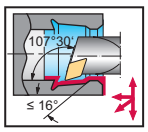
Boring bar – Screw clamping

A...-SDQC mm

Walter Turn

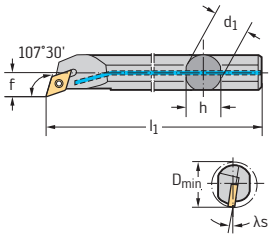


– A = Steel version with internal cooling

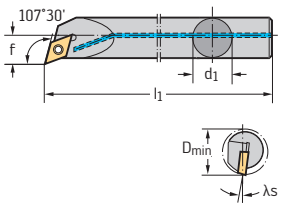




Tool



Parallel shank with clamping surface



Cylindrical shank

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A12M-SDQCL07	7	16	12	9	11	150	0°	-7.1°	DC .. 0702 ..
A12M-SDQCR07	7	16	12	9	11	150	0°	-7.1°	
A16R-SDQCL07	7	20	16	11	15	200	0°	-4.9°	
A16R-SDQCR07	7	20	16	11	15	200	0°	-4.9°	
A20S-SDQCL11	11	25	20	13	18	250	0°	-5.9°	DC .. 11T3 ..
A20S-SDQCR11	11	25	20	13	18	250	0°	-5.9°	
A25T-SDQCL11	11	32	25	17	23	300	0°	-3.5°	
A25T-SDQCR11	11	32	25	17	23	300	0°	-3.5°	
A12M-SDQCL07-R	7	16	12	9		150	0°	-7.1°	DC .. 0702 ..
A12M-SDQCR07-R	7	16	12	9		150	0°	-7.1°	
A16R-SDQCL07-R	7	20	16	11		200	0°	-4.9°	
A16R-SDQCR07-R	7	20	16	11		200	0°	-4.9°	
A20S-SDQCL11-R	11	25	20	13		250	0°	-5.9°	DC .. 11T3 ..
A20S-SDQCR11-R	11	25	20	13		250	0°	-5.9°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	DC .. 0702 .. 16–20	DC .. 11T3 .. 25	DC .. 11T3 .. 32
Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2062 (T15IP) 3 Nm	FS2063 (T15IP) 3 Nm
Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Boring bar – Screw clamping

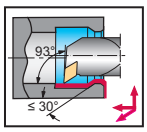
A...-SDUC / A...-SDUC...-R / E...-SDUC...-R mm

Walter Turn



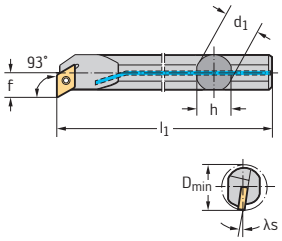


– A = Steel version with internal cooling
– E = Solid carbide version with internal cooling



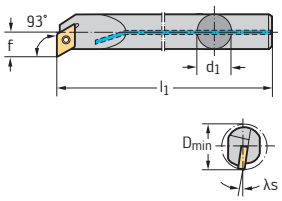


Tool



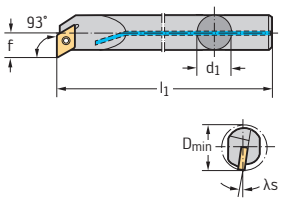
Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	$λ_s$	Type
A10K-SDUCL07	7	13	10	7	9	125	0°	-9°	DC .. 0702 ..
A10K-SDUCR07	7	13	10	7	9	125	0°	-9°	
A12M-SDUCL07	7	16	12	9	11	150	0°	-6.5°	
A12M-SDUCR07	7	16	12	9	11	150	0°	-6.5°	
A16R-SDUCL07	7	20	16	11	15	200	0°	-4.3°	
A16R-SDUCR07	7	20	16	11	15	200	0°	-4.3°	
A20S-SDUCL11	11	25	20	13	18	250	0°	-5.8°	DC .. 11T3 ..
A20S-SDUCR11	11	25	20	13	18	250	0°	-5.8°	
A25T-SDUCL11	11	32	25	17	23	300	0°	-3.4°	
A25T-SDUCR11	11	32	25	17	23	300	0°	-3.4°	
A32T-SDUCL11	11	40	32	22	30	300	0°	-3°	
A32T-SDUCR11	11	40	32	22	30	300	0°	-3°	



Cylindrical shank

A10K-SDUCL07-R	7	15	10	7		125	0°	-7°	DC .. 0702 ..
A10K-SDUCR07-R	7	15	10	7		125	0°	-7°	
A12M-SDUCL07-R	7	18	12	9		150	0°	-5°	
A12M-SDUCR07-R	7	18	12	9		150	0°	-5°	
A16R-SDUCL07-R	7	20	16	11		200	0°	-4.3°	
A16R-SDUCR07-R	7	20	16	11		200	0°	-4.3°	
A20S-SDUCL11-R	11	25	20	13		250	0°	-5.8°	DC .. 11T3 ..
A20S-SDUCR11-R	11	25	20	13		250	0°	-5.8°	

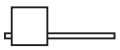


Cylindrical shank

E10M-SDUCL07-R	7	15	10	9		150	0°	-7.2°	DC .. 0702 ..
E10M-SDUCR07-R	7	15	10	9		150	0°	-7.2°	
E12Q-SDUCL07-R	7	18	12	11		180	0°	-5.3°	
E12Q-SDUCR07-R	7	18	12	11		180	0°	-5.3°	
E16R-SDUCL07-R	7	22	16	13		200	0°	-3.6°	
E16R-SDUCR07-R	7	22	16	13		200	0°	-3.6°	
E20S-SDUCL11-R	11	25	20	13		220	0°	-6°	DC .. 11T3 ..
E20S-SDUCR11-R	11	25	20	13		220	0°	-6°	
E25T-SDUCL11-R	11	32	25	17		270	0°	-3°	
E25T-SDUCR11-R	11	32	25	17		270	0°	-3°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 0702 .. 13–22	DC .. 11T3 .. 25	DC .. 11T3 .. 32	DC .. 11T3 .. 40
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2062 (T15IP) 3 Nm	FS2063 (T15IP) 3 Nm	FS2060 (T15IP) 3 Nm
	Shim				AP315-DC1108
	Clamping screw for shim				FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

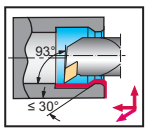
Boring bar – Screw clamping

A...-SDUC / E...-SDUC inch

Walter Turn

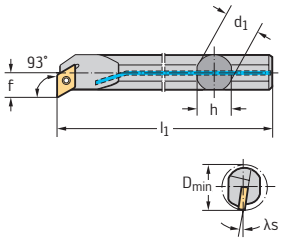


– A = Steel version with internal cooling
– E = Solid carbide version with internal cooling

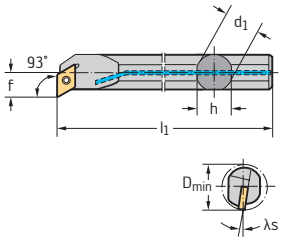




Tool



Parallel shank with clamping surface

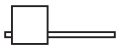


Parallel shank with clamping surface

Designation		D_{min} inch	d_1	f inch	h inch	l_1 inch	γ	λ_s	Type
A06M-SDUCL2	0.276	0.598	3/8	0.375	0.336	6.000	0°	-7.06°	DC .. 2(1.5) . DC .. 0702 ..
A06M-SDUCR2	0.276	0.598	3/8	0.375	0.336	6.000	0°	-7.06°	
A08M-SDUCL2	0.276	0.728	1/2	0.438		6.000	0°	-5.018°	
A08M-SDUCR2	0.276	0.728	1/2	0.438		6.000	0°	-5.018°	
A10R-SDUCL2	0.276	0.85	5/8	0.500		8.000	0°	-3.698°	
A10R-SDUCR2	0.276	0.85	5/8	0.500		8.000	0°	-3.698°	
A12S-SDUCL3	0.433	1.051	3/4	0.625	0.709	10.000	0°	-5.076°	DC .. 3(2.5) . DC .. 11T3 ..
A12S-SDUCR3	0.433	1.051	3/4	0.625	0.709	10.000	0°	-5.076°	
A16T-SDUCL3	0.433	1.299	0.039	0.750	0.906	12.000	0°	-3.161°	
A16T-SDUCR3	0.433	1.299	0.039	0.750	0.906	12.000	0°	-3.161°	
E06M-SDUCL2	0.276	0.598	3/8	0.375		6.000	0°	-7°	DC .. 2(1.5) . DC .. 0702 ..
E06M-SDUCR2	0.276	0.598	3/8	0.375		6.000	0°	-7°	
E08R-SDUCL2	0.276	0.717	1/2	0.438		8.000	0°	-5°	
E08R-SDUCR2	0.276	0.717	1/2	0.438		8.000	0°	-5°	
E10R-SDUCL2	0.276	0.85	5/8	0.500		8.000	0°	-4°	
E10R-SDUCR2	0.276	0.85	5/8	0.500		8.000	0°	-4°	
E12S-SDUCL3	0.433	1.039	3/4	0.625		10.000	0°	-3°	DC .. 3(2.5) . DC .. 11T3 ..
E12S-SDUCR3	0.433	1.039	3/4	0.625		10.000	0°	-3°	
E16T-SDUCL3	0.433	1.299	0.039	0.750		12.000	0°	-3°	
E16T-SDUCR3	0.433	1.299	0.039	0.750		12.000	0°	-3°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 2(1.5) . DC .. 0702 .. 0.598–0.85	DC .. 3(2.5) . DC .. 11T3 .. 1.039–1.299
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2062 (T15IP) 27 in lbs
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

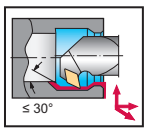
Boring bar – Screw clamping

A...-SDUC...-X mm

Walter Turn

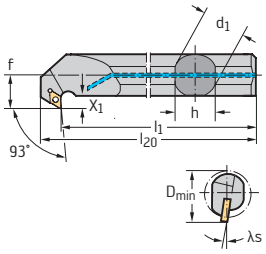


– A = Steel version with internal cooling
– Reverse copy boring bar



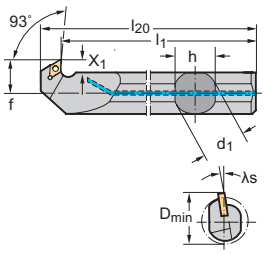


Tool



Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	l_{20} mm	γ	λ_s	Type
A16R-SDUCR07-X	7	22	16	13	15	200	212.2	0°	-3.6°	DC .. 0702 ..
A20S-SDUCR07-X	7	27	20	15	18	250	262.2	0°	-2.1°	
A25T-SDUCR07-X	7	33	25	18	23	300	312.2	0°	-0.9°	
A32T-SDUCR11-X	11	40	32	22	30	300	316.7	0°	-7.6°	DC .. 11T3 ..

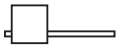


Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	l_{20} mm	γ	λ_s	Type
A16R-SDUCL07-X	7	22	16	13	15	200	212.2	0°	-3.6°	DC .. 0702 ..
A20S-SDUCL07-X	7	27	20	15	18	250	262.2	0°	-2.1°	
A25T-SDUCL07-X	7	33	25	18	23	300	312.2	0°	-0.9°	
A32T-SDUCL11-X	11	40	32	22	30	300	316.7	0°	-7.6°	DC .. 11T3 ..

$X_1 = f - d_1/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 0702 .. 22–33	DC .. 11T3 .. 40
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP315-DC1108
	Screw for shim		FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

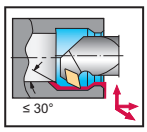
Boring bar – Screw clamping

A...-SDUC...-X inch

Walter Turn

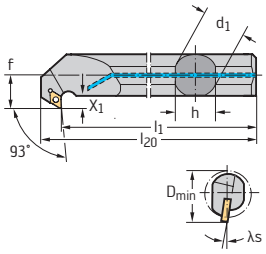


– A = Steel version with internal cooling
– Reverse copy boring bar





Tool

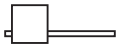


Parallel shank with clamping surface

Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	l_{20} inch	γ	λ_s	Type
A16T-SDUCL2-X	0.276	1.299	1.000	0.750	0.906	12.000	12.48	0°	0.9°	DC .. 2(1.5) . DC .. 0702 ..
A16T-SDUCR2-X	0.276	1.299	1.000	0.750	0.906	12.000	12.48	0°	-0.9°	
A20T-SDUCL3-X	0.433	1.579	1.250	0.875	1.181	12.000	12.61	0°	-7.528°	DC .. 3(2.5) . DC .. 11T3 ..
A20T-SDUCR3-X	0.433	1.579	1.250	0.875	1.181	12.000	12.61	0°	-7.528°	

$X_1 = f - d_1/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 2(1.5) . DC .. 0702 .. 1.299	DC .. 3(2.5) . DC .. 11T3 .. 1.579
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2062 (T15IP) 27 in lbs
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

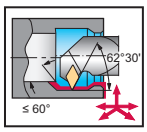
Boring bar – Screw clamping

A...-SDXC... mm

Walter Turn



– A = Steel version with internal cooling
– Forwards/reverse copy boring bar





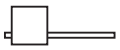
Tool

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	l_{20} mm	γ	λ_s	Type
A12M-SDXCL07	7	16	12	9	11	150	154.3	0°	-4°	DC .. 0702 ..
A12M-SDXCR07	7	16	12	9	11	150	154.3	0°	-4°	
A16R-SDXCL07	7	20	16	11	15	200	205	-2°	-4°	
A16R-SDXCR07	7	20	16	11	15	200	205	-2°	-4°	
A20S-SDXCL11	11	25	20	13	18	250	257	-3°	-5.8°	DC .. 11T3 ..
A20S-SDXCR11	11	25	20	13	18	250	257	-3°	-5.8°	
A25T-SDXCL11	11	32	25	17	23	300	306	-2°	-3.4°	
A25T-SDXCR11	11	32	25	17	23	300	306	-2°	-3.4°	

Parallel shank with clamping surface

$X_1 = f - d_1/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 0702 .. 16–20	DC .. 11T3 .. 25	DC .. 11T3 .. 32
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0.9 Nm	FS2062 (T15IP) 3 Nm	FS2063 (T15IP) 3 Nm
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = → Average = → Poor = machining conditions

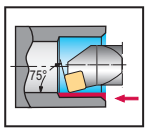
Boring bar – Screw clamping

A...-SSKC mm

Walter Turn

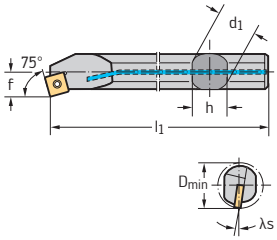


– A = Steel version with internal cooling





Tool

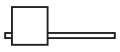


Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A16R-SSKCL09	9	20	16	11	15	200	0°	-8.9°	SC .. 09T3 ..
A16R-SSKCR09	9	20	16	11	15	200	0°	-8.9°	
A20S-SSKCL09	9	25	20	13	18	250	0°	-6°	
A20S-SSKCR09	9	25	20	13	18	250	0°	-6°	
A25T-SSKCL12	12	32	25	17	23	300	0°	-4.7°	SC .. 1204 ..
A25T-SSKCR12	12	32	25	17	23	300	0°	-4.7°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	SC .. 09T3 .. 20–25	SC .. 1204 .. 32
	Clamping screw for indexable insert Tightening torque	FS2062 (T15IP) 3 Nm	FS2064 (T15IP) 3 Nm
	Torx key	FS1465 (T15IP)	FS1496 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Boring bar – Screw clamping

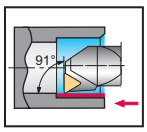
A...-STFC / A...-STFC...-R / E...-STFC...-R mm

Walter Turn





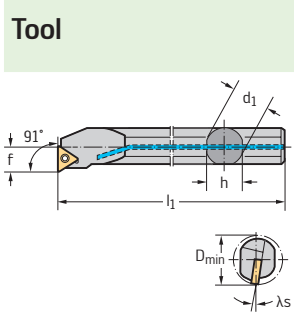
– A = Steel version with internal cooling
– E = Solid carbide version with internal cooling





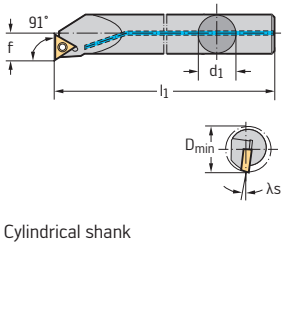
Tool

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A06F-STFCL06	6	9	6	5	5	80	0°	-12.2°	TC .. 06T1 ..
A06F-STFCR06	6	9	6	5	5	80	0°	-12.2°	
A08H-STFCL06	6	11	8	6	7	100	0°	-10.2°	
A08H-STFCR06	6	11	8	6	7	100	0°	-10.2°	
A10K-STFCL09	9	13	10	7	9	125	0°	-9.2°	TC .. 0902 ..
A10K-STFCR09	9	13	10	7	9	125	0°	-9.2°	
A12M-STFCL11	11	16	12	9	11	150	0°	-6.7°	TC .. 1102 ..
A12M-STFCR11	11	16	12	9	11	150	0°	-6.7°	
A16R-STFCL11	11	20	16	11	15	200	0°	-4.5°	
A16R-STFCR11	11	20	16	11	15	200	0°	-4.5°	
A20S-STFCL11	11	25	20	13	18	250	0°	-2.8°	
A20S-STFCR11	11	25	20	13	18	250	0°	-2.8°	
A25T-STFCL16	16	32	25	17	23	300	0°	-3.4°	TC .. 16T3 ..
A25T-STFCR16	16	32	25	17	23	300	0°	-3.4°	
A32T-STFCL16	16	40	32	22	30	300	0°	-7.9°	
A32T-STFCR16	16	40	32	22	30	300	0°	-7.9°	



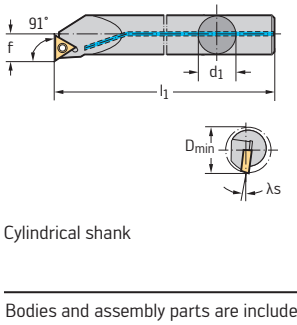
Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A06F-STFCL06-R	6	9	6	5		80	0°	-12.2°	TC .. 06T1 ..
A06F-STFCR06-R	6	9	6	5		80	0°	-12.2°	
A08H-STFCL06-R	6	11	8	6		100	0°	-10.2°	
A08H-STFCR06-R	6	11	8	6		100	0°	-10.2°	
A10K-STFCL09-R	9	13	10	7		125	0°	-9.2°	TC .. 0902 ..
A10K-STFCR09-R	9	13	10	7		125	0°	-9.2°	
A12M-STFCL11-R	11	16	12	9		150	0°	-6.5°	TC .. 1102 ..
A12M-STFCR11-R	11	16	12	9		150	0°	-6.5°	
A16R-STFCL11-R	11	20	16	11		200	0°	-4.5°	
A16R-STFCR11-R	11	20	16	11		200	0°	-4.5°	



Cylindrical shank

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
E06H-STFCL06-R	6	9	6	5		100	0°	-12.2°	TC .. 06T1 ..
E06H-STFCR06-R	6	9	6	5		100	0°	-12.2°	
E08K-STFCL06-R	6	11	8	6		125	0°	-10.2°	
E08K-STFCR06-R	6	11	8	6		125	0°	-10.2°	
E10M-STFCL09-R	9	13	10	7		150	0°	-9.2°	TC .. 0902 ..
E10M-STFCR09-R	9	13	10	7		150	0°	-9.2°	
E12Q-STFCL09-R	9	16	12	9		180	0°	-6.7°	
E12Q-STFCR09-R	9	16	12	9		180	0°	-6.7°	
E16R-STFCL11-R	11	20	16	11		200	0°	-4°	TC .. 1102 ..



Cylindrical shank

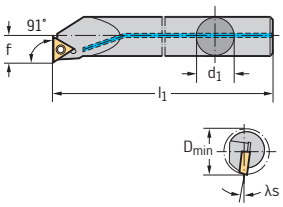
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Tool

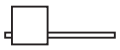


Cylindrical shank

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	$λ_s$	Type
E16R-STFCR11-R	11	20	16	11		200	0°	-4°	TC .. 1102 ..
E20S-STFCL11-R	11	25	20	13		220	0°	-3°	
E20S-STFCR11-R	11	25	20	13		220	0°	-3°	
E25T-STFCL16-R	16	32	25	17		270	0°	-3°	TC .. 16T3 ..
E25T-STFCR16-R	16	32	25	17		270	0°	-3°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type D_{min} [mm]	TC .. 06T1 .. 11	TC .. 06T1 .. 9	TC .. 0902 .. 13–16	TC .. 1102 .. 16	TC .. 1102 .. 20–25	TC .. 16T3 .. 32	TC .. 16T3 .. 40
	Clamping screw for indexable insert Tightening torque	FS2148 (T6IP) 0.6 Nm	FS2147 (T6IP) 0.6 Nm	FS2149 (T7IP) 0.9 Nm	FS2067 (T7IP) 0.9 Nm	FS2061 (T7IP) 0.9 Nm	FS2063 (T15IP) 3 Nm	FS2060 (T15IP) 3 Nm
	Shim							AP317- TC1612
	Clamping screw for shim							FS2068 (SW 3.5)
	Torx key	FS2146 (T6IP)	FS2146 (T6IP)	FS1490 (T7IP)	FS1490 (T7IP)	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)

Boring bar – Screw clamping

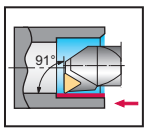
A...-STFC / E...-STFC inch

Walter Turn



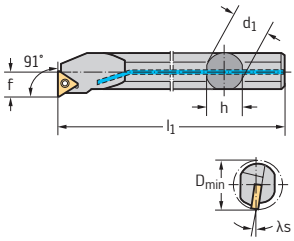


– A = Steel version with internal cooling
– E = Solid carbide version with internal cooling



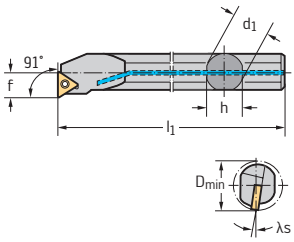


Tool



Parallel shank with clamping surface

Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	γ	λ_s	Type
A06M-STFCL2	0.433	0.500	0.375	0.250	0.336	6.000	0°	-10.075°	TC .. 2(1.5) . TC .. 1102 ..
A06M-STFCR2	0.433	0.500	0.375	0.250	0.336	6.000	0°	-10.075°	
A08M-STFCL2	0.433	0.598	0.500	0.312	0.460	6.000	0°	-7.213°	
A08M-STFCR2	0.433	0.598	0.500	0.312	0.460	6.000	0°	-7.213°	
A10R-STFCL2	0.433	0.772	0.625	0.406	0.562	8.000	0°	-4.703°	
A10R-STFCR2	0.433	0.772	0.625	0.406	0.562	8.000	0°	-4.703°	
A12S-STFCL2	0.433	0.929	0.750	0.500	0.709	10.000	0°	-3.161°	
A12S-STFCR2	0.433	0.929	0.750	0.500	0.709	10.000	0°	-3.161°	
A16T-STFCL3	0.630	1.201	1.000	0.640	0.906	12.000	0°	-3.834°	TC .. 3(2.5) . TC .. 16T3 ..
A16T-STFCR3	0.630	1.201	1.000	0.640	0.906	12.000	0°	-3.834°	
A20T-STFCL3	0.630	1.469	1.250	0.765	1.181	12.000	0°	-8.67°	
A20T-STFCR3	0.630	1.469	1.250	0.765	1.181	12.000	0°	-8.67°	



Parallel shank with clamping surface

E06M-STFCL1.8	0.354	0.500	0.375	0.264	0.359	6.000	0°	-9.5°	TC .. 1.8(1.5) . TC .. 0902 ..
E06M-STFCR1.8	0.354	0.500	0.375	0.264	0.359	6.000	0°	-9.5°	
E08R-STFCL1.8	0.354	0.630	0.500	0.349	0.460	8.000	0°	-7°	
E08R-STFCR1.8	0.354	0.630	0.500	0.349	0.460	8.000	0°	-7°	
E10R-STFCL2	0.433	0.772	0.625	0.406	0.609	8.000	0°	-6°	TC .. 2(1.5) . TC .. 1102 ..
E10R-STFCR2	0.433	0.772	0.625	0.406	0.609	8.000	0°	-6°	
E12S-STFCL2	0.433	0.929	0.750	0.500	0.734	10.000	0°	-4°	
E12S-STFCR2	0.433	0.929	0.750	0.500	0.734	10.000	0°	-4°	
E16T-STFCL3	0.630	1.201	1.000	0.640	0.984	12.000	0°	-4°	TC .. 3(2.5) . TC .. 16T3 ..
E16T-STFCR3	0.630	1.201	1.000	0.640	0.984	12.000	0°	-4°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	TC .. 1.8(1.5) . TC .. 0902 .. 0.500–0.630	TC .. 2(1.5) . TC .. 1102 .. 0.500–0.598	TC .. 2(1.5) . TC .. 1102 .. 0.772–0.929	TC .. 3(2.5) . TC .. 16T3 .. 1.201	TC .. 3(2.5) . TC .. 16T3 .. 1.469
Clamping screw for indexable insert Tightening torque	FS2149 (T7IP) 8 in lbs	FS2067 (T7IP) 8 in lbs	FS2061 (T7IP) 8 in lbs	FS2063 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
Shim					AP317-TC1612
Clamping screw for shim					FS2068 (SW 3.5)
Torx key	FS1490 (T7IP)	FS1490 (T7IP)	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

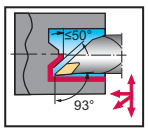
Boring bar – Screw clamping

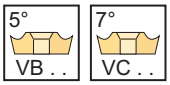
A...-SVJB mm

Walter Turn

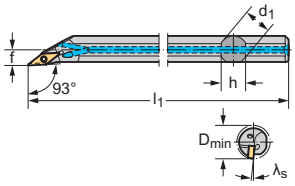


– A = Steel version with internal cooling
– Additional coolant hole for blind hole machining





Tool



Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A16R-SVJBL11	11	20	16	9	15	200	0°	-6°	VB .. 1103 ..
A16R-SVJBR11	11	20	16	9	15	200	0°	-6°	
A20S-SVJBL11	11	25	20	11	18	250	0°	-6°	
A20S-SVJBR11	11	25	20	11	18	250	0°	-6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	VB .. 1103 .. 20	VB .. 1103 .. 25
Clamping screw for indexable insert Tightening torque	FS2067 (T7IP) 0.9 Nm	FS2172 (T7IP) 0.9 Nm
Torx key	FS1490 (T7IP)	FS1490 (T7IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

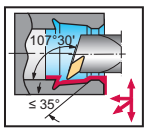
Boring bar – Screw clamping

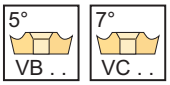
A...-SVQB mm

Walter Turn

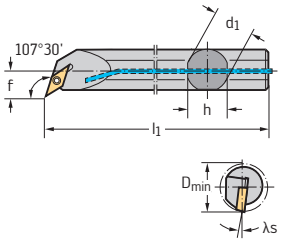


– A = Steel version with internal cooling

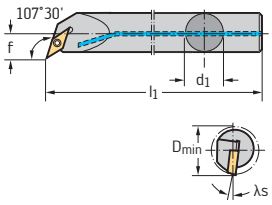




Tool



Parallel shank with clamping surface

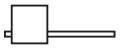


Cylindrical shank

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A16R-SVQBL11	11	22	16	13	15	200	0°	-6.9°	VB .. 1103 ..
A16R-SVQBR11	11	22	16	13	15	200	0°	-6.9°	
A20S-SVQBL11	11	27	20	15	18	250	0°	-5°	
A20S-SVQBR11	11	27	20	15	18	250	0°	-5°	
A25T-SVQBL11	11	33	25	18	23	300	0°	-3.5°	
A25T-SVQBR11	11	33	25	18	23	300	0°	-3.5°	
A32T-SVQBL16	16	40	32	22	30	300	0°	-10.9°	VB .. 1604 ..
A32T-SVQBR16	16	40	32	22	30	300	0°	-10.9°	
A40T-SVQBL16	16	50	40	27	37	300	0°	-7.9°	
A40T-SVQBR16	16	50	40	27	37	300	0°	-7.9°	
A16R-SVQBL11-R	11	22	16	13		200	0°	-6.9°	VB .. 1103 ..
A16R-SVQBR11-R	11	22	16	13		200	0°	-6.9°	
A20S-SVQBL11-R	11	27	20	15		250	0°	-5°	
A20S-SVQBR11-R	11	27	20	15		250	0°	-5°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 1103 .. 22–33	VB .. 1604 .. 40–50
	Clamping screw for indexable insert Tightening torque	FS2172 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP316-VB1608
	Screw for shim		FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

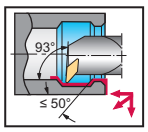
Boring bar – Screw clamping

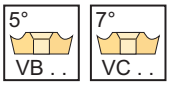
A...-SVUB mm

Walter Turn

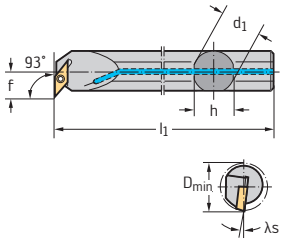


– A = Steel version with internal cooling



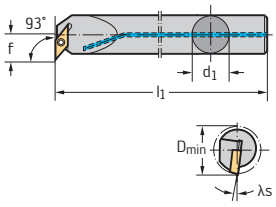


Tool



Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A16R-SVUBL11	11	22	16	13	15	200	0°	-6.5°	VB .. 1103 ..
A16R-SVUBR11	11	22	16	13	15	200	0°	-6.5°	
A20S-SVUBL11	11	27	20	15	18	250	0°	-4.7°	
A20S-SVUBR11	11	27	20	15	18	250	0°	-4.7°	
A25T-SVUBL11	11	33	25	18	23	300	0°	-3.3°	
A25T-SVUBR11	11	33	25	18	23	300	0°	-3.3°	
A32T-SVUBL16	16	40	32	22	30	300	0°	-9.8°	VB .. 1604 ..
A32T-SVUBR16	16	40	32	22	30	300	0°	-9.8°	
A40T-SVUBL16	16	50	40	27	37	300	0°	-6.9°	
A40T-SVUBR16	16	50	40	27	37	300	0°	-6.9°	

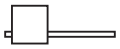


Cylindrical shank

A16R-SVUBL11-R	11	22	16	13		200	0°	-6.5°	VB .. 1103 ..
A16R-SVUBR11-R	11	22	16	13		200	0°	-6.5°	
A20S-SVUBL11-R	11	27	20	15		250	0°	-4.6°	
A20S-SVUBR11-R	11	27	20	15		250	0°	-4.6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 1103 .. 22–33	VB .. 1604 .. 40–50
	Clamping screw for indexable insert Tightening torque	FS2172 (T7IP) 0.9 Nm	FS2060 (T15IP) 3 Nm
	Shim		AP316-VB1608
	Screw for shim		FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

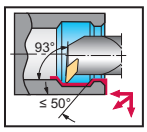
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

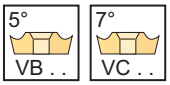
Boring bar – Screw clamping

A...-SVUB inch

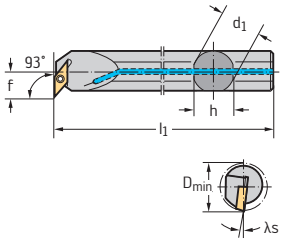
Walter Turn







Tool



Parallel shank with clamping surface

Designation		D_{min} inch	d_1	f inch	h inch	l_1 inch	γ	λ_s	Type
A10R-SVUBL2	0.433	0.85	5/8	0.486		8.000	0°	-6.839°	VB .. 22 . VB .. 1103 ..
A10R-SVUBR2	0.433	0.85	5/8	0.486		8.000	0°	-6.839°	
A12S-SVUBL2	0.433	1.012	3/4	0.580	0.709	10.000	0°	-5.05°	
A12S-SVUBR2	0.433	1.012	3/4	0.580	0.709	10.000	0°	-5.05°	
A16T-SVUBL2	0.433	1.24	0.039	0.680	0.906	12.000	0°	-3.519°	
A16T-SVUBR2	0.433	1.24	0.039	0.680	0.906	12.000	0°	-3.519°	
A20T-SVUBL3	0.630	1.705	0.039	1.000	1.181	12.000	0°	-8.696°	VB .. 3(3) . VB .. 1604 ..
A20T-SVUBR3	0.630	1.705	0.039	1.000	1.181	12.000	0°	-8.696°	
A24T-SVUBL3	0.630	2.126	0.039	1.125	1.374	12.000	0°	-5.997°	
A24T-SVUBR3	0.630	2.126	0.039	1.125	1.374	12.000	0°	-5.997°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 22 . VB .. 1103 .. 0.85–1.24	VB .. 3(3) . VB .. 1604 .. 1.705	VB .. 3(3) . VB .. 1604 .. 2.126
	Clamping screw for indexable insert Tightening torque	FS2172 (T7IP) 8 in lbs	FS2060 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
	Shim		AP316-VB1608	AP316-VB1608
	Screw for shim		FS2068 (SW 3.5)	FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1495 (T20IP) 44 in lbs

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

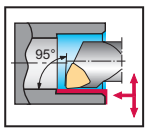
Boring bar – Screw clamping

A...-SWLC mm

Walter Turn

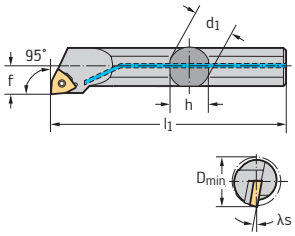


– A = Steel version with internal cooling



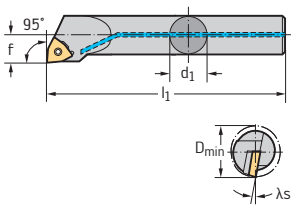


Tool



Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	γ	λ_s	Type
A10K-SWLCL04	4	12	10	7	9	125	0°	-10°	WC .. 0402 ..
A10K-SWLCR04	4	12	10	7	9	125	0°	-10°	
A12M-SWLCL04	4	16	12	9	11	150	0°	-7°	
A12M-SWLCR04	4	16	12	9	11	150	0°	-7°	
A16R-SWLCL04	4	20	16	11	15	200	0°	-5°	
A16R-SWLCR04	4	20	16	11	15	200	0°	-5°	
A20S-SWLCL06	6	25	20	13	18	250	0°	-6°	WC .. 06T3 ..
A20S-SWLCR06	6	25	20	13	18	250	0°	-6°	
A25T-SWLCL06	6	32	25	17	23	300	0°	-3.5°	
A25T-SWLCR06	6	32	25	17	23	300	0°	-3.5°	
A25T-SWLCL08	8	32	25	17	23	300	0°	-4°	WC .. 0804 ..
A25T-SWLCR08	8	32	25	17	23	300	0°	-4°	
A32T-SWLCL08	8	40	32	22	30	300	0°	-9°	
A32T-SWLCR08	8	40	32	22	30	300	0°	-9°	

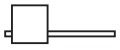


Cylindrical shank

A10K-SWLCL04-R	4	13	10	7		125	0°	-10°	WC .. 0402 ..
A10K-SWLCR04-R	4	13	10	7		125	0°	-10°	
A12M-SWLCL04-R	4	16	12	9		150	0°	-7°	
A12M-SWLCR04-R	4	16	12	9		150	0°	-7°	
A16R-SWLCL04-R	4	20	16	11		200	0°	-5°	
A16R-SWLCR04-R	4	20	16	11		200	0°	-5°	
A20S-SWLCL06-R	6	25	20	13		250	0°	-6°	WC .. 06T3 ..
A20S-SWLCR06-R	6	25	20	13		250	0°	-6°	

(Footnote-1933738)

Assembly parts

	Type	WC .. 0402 .. 12–20	WC .. 06T3 .. 25–32	WC .. 0804 .. 32	WC .. 0804 .. 40
	Clamping screw for indexable insert Tightening torque	FS2067 (T7IP) 0.9 Nm	FS2062 (T15IP) 3 Nm	FS2064 (T15IP) 3 Nm	FS2065 (T15IP) 3 Nm
	Shim				AP320-WC0812
	Screw for shim				FS2069 (SW 4)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1496 (T15IP)	FS1496 (T15IP)

WALTER SELECT

●● Primary application ● Other application

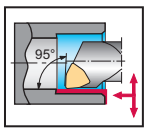
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Boring bar – Screw clamping

A...-SWLC / E...-SWLC inch

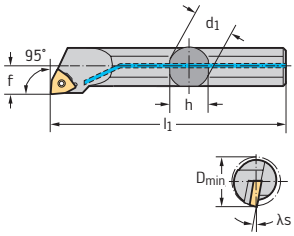
Walter Turn





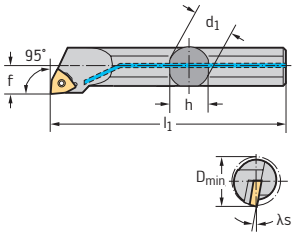


Tool



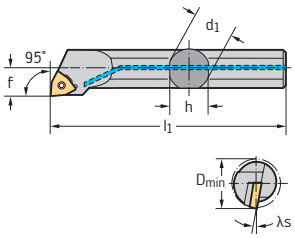
Parallel shank with clamping surface

Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	γ	λ_s	Type
A06M-SWLCL2	0.157	0.500	0.375	0.250	0.336	6.000	0°	-11°	WC .. 2(1.5) . WC .. 0402 ..
A06M-SWLCR2	0.157	0.500	0.375	0.250	0.336	6.000	0°	-11°	
A08M-SWLCL2	0.157	0.625	0.500	0.312		6.000	0°	-8°	
A08M-SWLCR2	0.157	0.625	0.500	0.312		6.000	0°	-8°	
A10R-SWLCL3	0.236	0.750	0.625	0.375		8.000	0°	-10°	WC .. 3(2.5) . WC .. 06T3 ..
A10R-SWLCR3	0.236	0.750	0.625	0.375		8.000	0°	-10°	
A12S-SWLCL3	0.236	1.000	0.750	0.500	0.709	10.000	0°	-6.5°	
A12S-SWLCR3	0.236	1.000	0.750	0.500	0.709	10.000	0°	-6.5°	
A16T-SWLCL3	0.236	1.280	1.000	0.640	0.906	12.000	0°	-4°	
A16T-SWLCR3	0.236	1.280	1.000	0.640	0.906	12.000	0°	-4°	



Parallel shank with clamping surface

E06M-SWLCL2	0.157	0.500	0.375	0.250		6.000	0°	-11°	WC .. 2(1.5) . WC .. 0402 ..
E08R-SWLCL2	0.157	0.625	0.500	0.312		6.000	0°	-8°	



Parallel shank with clamping surface

E06M-SWLCR2	0.157	0.500	0.375	0.250		6.000	0°	-11°	WC .. 2(1.5) . WC .. 0402 ..
E08R-SWLCR2	0.157	0.625	0.500	0.312		8.000	0°	-8°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	WC .. 2(1.5) . WC .. 0402 .. 0.500–0.625	WC .. 3(2.5) . WC .. 06T3 .. 0.750–1.280
Clamping screw for indexable insert Tightening torque	FS2067 (T7IP) 8 in lbs	FS2062 (T15IP) 27 in lbs
Torx key	FS1490 (T7IP)	FS1465 (T15IP)

WALTER SELECT

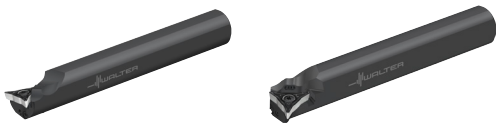
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

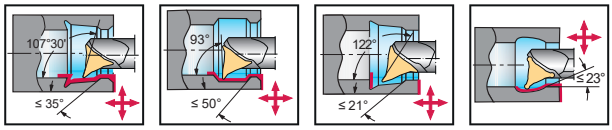
Boring bar – Copy turning system

W1211 mm

Walter Turn

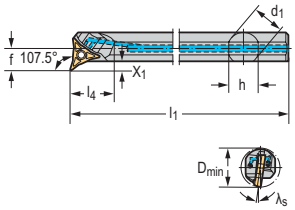


– Double internal coolant supply
– Additional coolant hole for blind hole machining





Tool



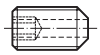
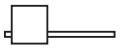
Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	h mm	l_1 mm	l_4 mm	X_1 mm	γ	$λ_s$	Type
W1211-25TR-WL25	25	32	25	23	300	35	7	-1.3°	-7.5°	WL25..
W1211-32TR-WL25	25	40	32	30	300	45	9.5	-1.3°	-7.5°	
W1211-40TR-WL25	25	50	40	37	300	54	10	-1.3°	-7.5°	
W1211-25TL-WL25	25	32	25	23	300	35	7	-1.3°	-7.5°	WL25..
W1211-32TL-WL25	25	40	32	30	300	45	9.5	-1.3°	-7.5°	
W1211-40TL-WL25	25	50	40	37	300	54	10	-1.3°	-7.5°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☻ → Good = 😐 → Moderate = ☹

Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm
	Threaded plug	FS2082 (T6IP)
	Torx key	FS1464 (T20IP)

Accessories

	Type	WL25..
	Coolant sealing adapter	CN3000-25-8.5

Indexable inserts

	Designation	r mm	l_e mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20G	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	7.2	0.12–0.40					☹	☹	☹	☹			☹	☹	☹	☹			☹	☹
	WL25-RC0525N-MU6	2.5	6.9	0.12–0.45					☹	☹	☹	☹			☹	☹	☹	☹			☹	☹
	WL25-VC0702N-FM4	0.2	6	0.04–0.15										☺	☹					☺	☹	
	WL25-VC0704N-FM4	0.4	6.3	0.05–0.20										☺	☹					☺	☹	
	WL25-VC0704N-FP4	0.4	6.3	0.05–0.20			☺	☺	☹	☹												
	WL25-VC0704N-MM4	0.4	6.3	0.08–0.25		☹							☹	☺	☹				☹	☺	☹	
	WL25-VC0704N-MP4	0.4	6.3	0.08–0.25			☺	☺	☹	☹												
	WL25-VC0708N-FM4	0.8	7.1	0.08–0.25										☺	☹					☺	☹	
	WL25-VC0708N-FP4	0.8	7.1	0.08–0.25			☺	☺	☹	☹												
	WL25-VC0708N-MM4	0.8	7.1	0.12–0.32		☹							☹	☺	☹				☹	☺	☹	
	WL25-VC0708N-MP4	0.8	7.1	0.12–0.32			☺	☺	☹	☹												
	WL25-VC0712N-MM4	1.2	7.4	0.12–0.35										☺	☹					☺	☹	
	WL25-VC0712N-MP4	1.2	7.4	0.12–0.35			☺	☺	☹	☹												
	WL25-VC0716N-MM4	1.6	8.7	0.12–0.40										☺	☹					☺	☹	
	WL25-VC0716N-MP4	1.6	8.7	0.12–0.40			☺	☺	☹	☹												
	WL25-VC0704L-FM4	0.4	6.2	0.05–0.20										☺	☹					☺	☹	
	WL25-VC0704L-FP4	0.4	6.2	0.05–0.20			☺	☺	☹	☹												
	WL25-VC0704L-MM4	0.4	6.2	0.08–0.25		☹							☹		☹				☹		☹	
	WL25-VC0704L-MP4	0.4	6.2	0.08–0.25			☺	☺	☹	☹												
	WL25-VC0708L-FM4	0.8	6.6	0.08–0.25										☺	☹					☺	☹	
	WL25-VC0708L-FP4	0.8	6.6	0.08–0.25			☺	☺	☹	☹												
	WL25-VC0708L-MM4	0.8	6.6	0.12–0.32		☹							☹		☹				☹		☹	
	WL25-VC0708L-MP4	0.8	6.6	0.12–0.32			☺	☺	☹	☹												
	WL25-VC0704R-FM4	0.4	6.2	0.05–0.20										☺	☹					☺	☹	
	WL25-VC0704R-FP4	0.4	6.2	0.05–0.20			☺	☺	☹	☹												
	WL25-VC0704R-MM4	0.4	6.2	0.08–0.25		☹							☹		☹				☹		☹	
	WL25-VC0704R-MP4	0.4	6.2	0.08–0.25			☺	☺	☹	☹												
	WL25-VC0708R-FM4	0.8	6.6	0.08–0.25										☺	☹					☺	☹	
	WL25-VC0708R-FP4	0.8	6.6	0.08–0.25			☺	☺	☹	☹												
	WL25-VC0708R-MM4	0.8	6.6	0.12–0.32		☹							☹		☹				☹		☹	
	WL25-VC0708R-MP4	0.8	6.6	0.12–0.32			☺	☺	☹	☹												

HC = beschichtetes Hartmetall

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = ☹ → Moderate = ☹

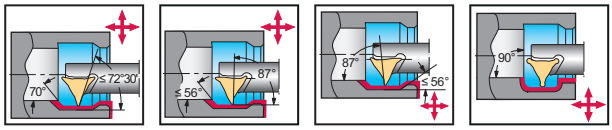
Boring bar – Copy turning system

W1210 mm

Walter Turn

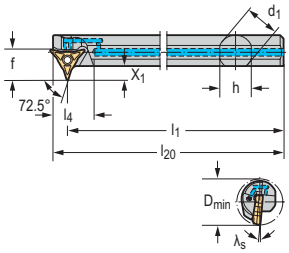


– Double internal coolant supply
– Additional coolant hole for blind hole machining





Tool



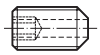
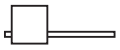
Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	h mm	l_1 mm	l_4 mm	l_{20} mm	X_1 mm	γ	λ_s	Type
W1210-25TR-WL25	25	34	25	23	300	30	310	10	-1.5°	-4.8°	WL25..
W1210-32TR-WL25	25	44	32	30	300	31	310	13.5	-1.5°	-4.8°	
W1210-40TR-WL25	25	52	40	37	300	35	310	13.5	-1.5°	-4.8°	
W1210-25TL-WL25	25	34	25	23	300	30	310	10	-1.5°	-4.8°	WL25..
W1210-32TL-WL25	25	44	32	30	300	31	310	13.5	-1.5°	-4.8°	
W1210-40TL-WL25	25	52	40	37	300	35	310	13.5	-1.5°	-4.8°	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = 😐 → Moderate = ☹

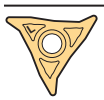
Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm
	Threaded plug	FS2082 (T6IP)
	Torx key	FS1464 (T20IP)

Accessories

	Type	WL25..
	Coolant sealing adapter	CN3000-25-8.5

Indexable inserts

	Designation	r mm	l_e mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20G	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	7.2	0.12–0.40					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-RC0525N-MU6	2.5	6.9	0.12–0.45					😐	😐	😐	☹			😐	☹	☹	☹			😐	☹
	WL25-VC0702N-FM4	0.2	6	0.04–0.15										😀	😐					😀	😐	
	WL25-VC0704N-FM4	0.4	6.3	0.05–0.20										😀	😐					😀	😐	
	WL25-VC0704N-FP4	0.4	6.3	0.05–0.20			😀	😀	😐	😐												
	WL25-VC0704N-MM4	0.4	6.3	0.08–0.25		😐							😐	😀	😐				😐	😀	😐	
	WL25-VC0704N-MP4	0.4	6.3	0.08–0.25			😀	😀	😐	😐												
	WL25-VC0708N-FM4	0.8	7.1	0.08–0.25										😀	😐					😀	😐	
	WL25-VC0708N-FP4	0.8	7.1	0.08–0.25			😀	😀	😐	😐												
	WL25-VC0708N-MM4	0.8	7.1	0.12–0.32		😐							😐	😀	😐				😐	😀	😐	
	WL25-VC0708N-MP4	0.8	7.1	0.12–0.32			😀	😀	😐	😐												
	WL25-VC0712N-MM4	1.2	7.4	0.12–0.35										😀	😐					😀	😐	
	WL25-VC0712N-MP4	1.2	7.4	0.12–0.35			😀	😀	😐	😐												
	WL25-VC0716N-MM4	1.6	8.7	0.12–0.40										😀	😐					😀	😐	
	WL25-VC0716N-MP4	1.6	8.7	0.12–0.40			😀	😀	😐	😐												
	WL25-VC0704L-FM4	0.4	6.2	0.05–0.20										😀	😐					😀	😐	
	WL25-VC0704L-FP4	0.4	6.2	0.05–0.20			😀	😀	😐	😐												
	WL25-VC0704L-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704L-MP4	0.4	6.2	0.08–0.25			😀	😀	😐	😐												
	WL25-VC0708L-FM4	0.8	6.6	0.08–0.25										😀	😐					😀	😐	
	WL25-VC0708L-FP4	0.8	6.6	0.08–0.25			😀	😀	😐	😐												
	WL25-VC0708L-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708L-MP4	0.8	6.6	0.12–0.32			😀	😀	😐	😐												
	WL25-VC0704R-FM4	0.4	6.2	0.05–0.20										😀	😐					😀	😐	
	WL25-VC0704R-FP4	0.4	6.2	0.05–0.20			😀	😀	😐	😐												
	WL25-VC0704R-MM4	0.4	6.2	0.08–0.25		😐							😐		😐				😐		😐	
	WL25-VC0704R-MP4	0.4	6.2	0.08–0.25			😀	😀	😐	😐												
	WL25-VC0708R-FM4	0.8	6.6	0.08–0.25										😀	😐					😀	😐	
	WL25-VC0708R-FP4	0.8	6.6	0.08–0.25			😀	😀	😐	😐												
	WL25-VC0708R-MM4	0.8	6.6	0.12–0.32		😐							😐		😐				😐		😐	
	WL25-VC0708R-MP4	0.8	6.6	0.12–0.32			😀	😀	😐	😐												

HC = beschichtetes Hartmetall

WALTER SELECT Stability of machine, workpiece and clamping arrangement → Very good = 😀 → Good = 😐 → Moderate = ☹

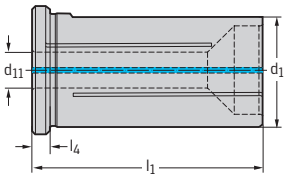
Boring bar adaptor

A2140-W mm



– With Weldon shank in accordance with DIN 9766
– Self-centring for parallel round shank

Tool



Cylindrical shank with flat

Designation	d_1	d_{11} mm	l_1 mm	l_4 mm	kg
A2140-W16-R06-048	16	6	48	5	0.06
A2140-W16-R08-048	16	8	48	5	0.06
A2140-W16-R10-048	16	10	48	5	0.05
A2140-W16-R12-048	16	12	48	5	0.04
A2140-W20-R06-055	20	6	55	5	0.11
A2140-W20-R08-055	20	8	55	5	0.11
A2140-W20-R10-055	20	10	55	5	0.1
A2140-W20-R12-055	20	12	55	5	0.09
A2140-W20-R16-055	20	16	55	5	0.06
A2140-W25-R06-061	25	6	61	5	0.19
A2140-W25-R08-061	25	8	61	5	0.19
A2140-W25-R10-061	25	10	61	5	0.19
A2140-W25-R12-061	25	12	61	5	0.17
A2140-W25-R16-061	25	16	61	5	0.14
A2140-W32-R06-065	32	6	65	5	0.33
A2140-W32-R08-065	32	8	65	5	0.33
A2140-W32-R10-065	32	10	65	5	0.33
A2140-W32-R12-065	32	12	65	5	0.31
A2140-W32-R16-065	32	16	65	5	0.28
A2140-W32-R20-065	32	20	65	5	0.25
A2140-W40-R06-075	40	6	75	5	0.6
A2140-W40-R08-075	40	8	75	5	0.61
A2140-W40-R10-075	40	10	75	5	0.62
A2140-W40-R12-075	40	12	75	5	0.62
A2140-W40-R16-075	40	16	75	5	0.58
A2140-W40-R20-075	40	20	75	5	0.55
A2140-W40-R25-075	40	25	75	5	0.45

Note: Groove for self-centring is present on all Walter Turn boring bars with cylindrical shank (-R) dia. 6–25 mm.
The maximum recommended coolant pressure is 80 bar (1160 psi)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

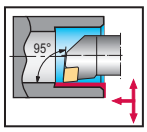
Boring bar – Rigid clamping

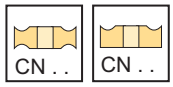
C...-DCLN mm

Walter Turn



– Walter Capto™





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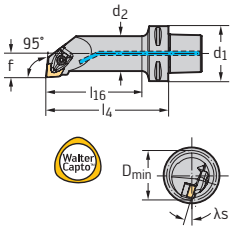


Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C4-DCLNL-17090-12	0.472	C4	1.260	0.984	0.669	3.543	2.677	-6°	-12°	CN .. 43 . CN .. 1204 ..
C4-DCLNR-17090-12	0.472	C4	1.260	0.984	0.669	3.543	2.677	-6°	-12°	
C5-DCLNL-17090-12	0.472	C5	1.260	0.984	0.669	3.543	2.598	-6°	-12°	
C5-DCLNR-17090-12	0.472	C5	1.260	0.984	0.669	3.543	2.598	-6°	-12°	
C6-DCLNL-17100-12	0.472	C6	1.260	0.984	0.669	3.937	2.835	-6°	-12°	
C6-DCLNR-17100-12	0.472	C6	1.260	0.984	0.669	3.937	2.835	-6°	-12°	
C6-DCLNL-27140-16	0.630	C6	1.969	1.575	1.063	5.512	4.488	-6°	-16°	CN .. 54 . CN .. 1606 ..
C6-DCLNR-27140-16	0.630	C6	1.969	1.575	1.063	5.512	4.488	-6°	-16°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	CN .. 43 . CN .. 1204 .. 32	CN .. 54 . CN .. 1606 .. 50
Shim	AP354-CN12	AP302-CN16
Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK241	PK242
Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS1470	FS1471
Pin	RS117	RS117
Torx key	FS1465 (T15IP)	
Torx key		FS1464 (T20IP)

Accessories

Type	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..
(standard assembly parts) Clamp set	PK241-SET	
Insert with hole Carbide clamp set	PK245-SET	
(standard assembly parts) Clamp set		PK242-SET
Insert with hole Carbide clamp set	PK254-SET	PK246-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

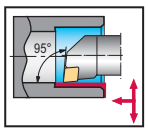
Boring bar – Lever clamping

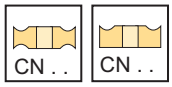
C...-PCLN mm

Walter Turn

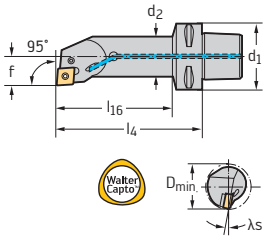


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C3-PCLNL-17090-12	0.472	C3	1.260	0.984	0.669	3.543	2.953	-6°	-11°	CN .. 43 . CN .. 1204 ..
C3-PCLNR-17090-12	0.472	C3	1.260	0.984	0.669	3.543	2.953	-6°	-11°	
C4-PCLNL-17090-12	0.472	C4	1.260	0.984	0.669	3.543	2.717	-6°	-11°	
C4-PCLNL-22110-12	0.472	C4	1.575	1.260	0.866	4.331	3.504	-6°	-11°	
C4-PCLNL-27080-12	0.472	C4	1.969	1.575	1.063	3.150	2.362	-6°	-10°	
C4-PCLNL-27120-12	0.472	C4	1.969	1.575	1.063	4.724	3.937	-6°	-11°	
C4-PCLNR-17090-12	0.472	C4	1.260	0.984	0.669	3.543	2.717	-6°	-11°	
C4-PCLNR-22110-12	0.472	C4	1.575	1.260	0.866	4.331	3.504	-6°	-11°	
C4-PCLNR-27080-12	0.472	C4	1.969	1.575	1.063	3.150	2.362	-6°	-10°	
C4-PCLNR-27120-12	0.472	C4	1.969	1.575	1.063	4.724	3.937	-6°	-11°	
C5-PCLNL-17090-12	0.472	C5	1.260	0.984	0.669	3.543	2.638	-6°	-11°	
C5-PCLNL-22110-12	0.472	C5	1.575	1.260	0.866	4.331	3.465	-6°	-11°	
C5-PCLNL-27140-12	0.472	C5	1.969	1.575	1.063	5.512	4.685	-6°	-10°	
C5-PCLNL-35100-12	0.472	C5	2.480	1.969	1.378	3.937	3.189	-6°	-7°	
C5-PCLNR-17090-12	0.472	C5	1.260	0.984	0.669	3.543	2.638	-6°	-11°	
C5-PCLNR-22110-12	0.472	C5	1.575	1.260	0.866	4.331	3.465	-6°	-11°	
C5-PCLNR-27140-12	0.472	C5	1.969	1.575	1.063	5.512	4.685	-6°	-10°	
C5-PCLNR-35100-12	0.472	C5	2.480	1.969	1.378	3.937	3.189	-6°	-7°	
C6-PCLNL-17100-12	0.472	C6	1.260	0.984	0.669	3.937	2.913	-6°	-11°	
C6-PCLNL-22110-12	0.472	C6	1.575	1.260	0.866	4.331	3.307	-6°	-11°	
C6-PCLNR-17100-12	0.472	C6	1.260	0.984	0.669	3.937	2.913	-6°	-11°	
C6-PCLNR-22110-12	0.472	C6	1.575	1.260	0.866	4.331	3.307	-6°	-11°	
C5-PCLNL-35150-16	0.630	C5	2.480	1.969	1.378	5.906	5.157	-6°	-11°	CN .. 54 . CN .. 1606 ..
C5-PCLNR-35150-16	0.630	C5	2.480	1.969	1.378	5.906	5.157	-6°	-11°	
C6-PCLNL-27140-16	0.630	C6	1.969	1.575	1.063	5.512	4.528	-6°	-11°	
C6-PCLNL-35175-16	0.630	C6	2.480	1.969	1.378	6.890	5.984	-6°	-11°	
C6-PCLNR-27140-16	0.630	C6	1.969	1.575	1.063	5.512	4.528	-6°	-11°	
C6-PCLNR-35175-16	0.630	C6	2.480	1.969	1.378	6.890	5.984	-6°	-11°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type D_{min} [mm]	CN .. 43 . CN .. 1204 .. 32	CN .. 43 . CN .. 1204 .. 40–63	CN .. 54 . CN .. 1606 .. 50–63
Shim		AP134-CN1216	AP135-CN1624
Lever	KN109	KN102	KN104
Clamping screw Tightening torque	FS332 (SW 2,5) 22 in lbs	FS352 44 in lbs	FS354 (SW 3) 44 in lbs
Shim pin		RS102	RS103
Tapered assembly pin		MD101	MD102

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Assembly parts

	Type D_{min} [mm]	CN .. 43 . CN .. 1204 .. 32	CN .. 43 . CN .. 1204 .. 40–63	CN .. 54 . CN .. 1606 .. 50–63
	Allen key	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)

Accessories

	Type	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..
	Shim		AP135-CN1616

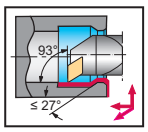
Boring bar – Rigid clamping

C...-DDUN mm

Walter Turn

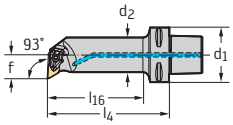


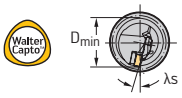
– Walter Capto™





Tool





Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C4-DDUNL-17090-11	0.433	C4	1.260	0.984	0.669	3.543	2.677	-6°	-12°	DN .. 33 . DN .. 1104 ..
C4-DDUNR-17090-11	0.433	C4	1.260	0.984	0.669	3.543	2.677	-6°	-12°	
C5-DDUNL-17090-11	0.433	C5	1.260	0.984	0.669	3.543	2.598	-6°	-12°	
C5-DDUNR-17090-11	0.433	C5	1.260	0.984	0.669	3.543	2.598	-6°	-12°	
C4-DDUNL-27080-15	0.591	C4	1.969	1.575	1.063	3.150	2.323	-6°	-11°	DN .. 44 . DN .. 1506 ..
C4-DDUNR-27080-15	0.591	C4	1.969	1.575	1.063	3.150	2.323	-6°	-11°	
C5-DDUNL-27140-15	0.591	C5	1.969	1.575	1.063	5.512	4.646	-6°	-11°	
C5-DDUNR-27140-15	0.591	C5	1.969	1.575	1.063	5.512	4.646	-6°	-11°	
C6-DDUNL-27140-15	0.591	C6	1.969	1.575	1.063	5.512	4.488	-6°	-11°	
C6-DDUNR-27140-15	0.591	C6	1.969	1.575	1.063	5.512	4.488	-6°	-11°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	DN .. 33 . DN .. 1104 .. 32	DN .. 44 . DN .. 1506 .. 50
Shim	AP305-DN11	AP304-DN15
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs
Clamp	PK240	PK241
Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs
Pressure spring	FS1469	FS1470
Pin	RS116	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

Type	DN .. 33 . DN .. 1104 ..	DN .. 44 . DN .. 1506 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET
Insert without hole Carbide clamp set		PK245-SET
Insert without hole Carbide clamp set		PK254-SET
Shim for DN .. 1504 ..		AP304-DN1504

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

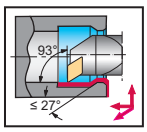
Boring bar – Lever clamping

C...-PDUN mm

Walter Turn



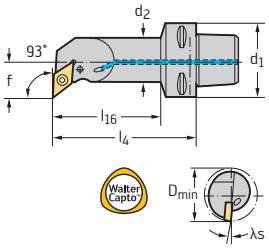
– Walter Capto™



DN . .

DN . .

Tool

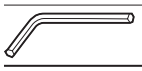


Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C3-PDUNL-17090-11	0.433	C3	1.260	0.984	0.669	3.543	2.953	-6°	-11°	DN .. 33 . DN .. 1104 ..
C3-PDUNR-17090-11	0.433	C3	1.260	0.984	0.669	3.543	2.953	-6°	-11°	
C4-PDUNL-17090-11	0.433	C4	1.260	0.984	0.669	3.543	2.717	-6°	-11°	
C4-PDUNL-22110-11	0.433	C4	1.575	1.260	0.866	4.331	3.504	-6°	-10°	
C4-PDUNR-17090-11	0.433	C4	1.260	0.984	0.669	3.543	2.717	-6°	-11°	
C4-PDUNR-22110-11	0.433	C4	1.575	1.260	0.866	4.331	3.504	-6°	-10°	
C5-PDUNL-17090-11	0.433	C5	1.260	0.984	0.669	3.543	2.638	-6°	-11°	
C5-PDUNL-22110-11	0.433	C5	1.575	1.260	0.866	4.331	3.465	-6°	-10°	
C5-PDUNR-17090-11	0.433	C5	1.260	0.984	0.669	3.543	2.638	-6°	-11°	
C5-PDUNR-22110-11	0.433	C5	1.575	1.260	0.866	4.331	3.465	-6°	-10°	
C6-PDUNL-17100-11	0.433	C6	1.260	0.984	0.669	3.937	2.913	-6°	-11°	
C6-PDUNR-17100-11	0.433	C6	1.260	0.984	0.669	3.937	2.913	-6°	-11°	
C4-PDUNL-27080-15	0.591	C4	1.969	1.575	1.063	3.150	2.362	-6°	-11°	DN .. 44 . DN .. 1506 ..
C4-PDUNL-27120-15	0.591	C4	1.969	1.575	1.063	4.724	3.937	-6°	-11°	
C4-PDUNR-27080-15	0.591	C4	1.969	1.575	1.063	3.150	2.362	-6°	-11°	
C4-PDUNR-27120-15	0.591	C4	1.969	1.575	1.063	4.724	3.937	-6°	-11°	
C5-PDUNL-27140-15	0.591	C5	1.969	1.575	1.063	5.512	4.685	-6°	-11°	
C5-PDUNL-35100-15	0.591	C5	2.480	1.969	1.378	3.937	3.189	-6°	-10°	
C5-PDUNL-35150-15	0.591	C5	2.480	1.969	1.378	5.906	5.157	-6°	-10°	
C5-PDUNR-27140-15	0.591	C5	1.969	1.575	1.063	5.512	4.685	-6°	-11°	
C5-PDUNR-35100-15	0.591	C5	2.480	1.969	1.378	3.937	3.189	-6°	-10°	
C5-PDUNR-35150-15	0.591	C5	2.480	1.969	1.378	5.906	5.157	-6°	-10°	
C6-PDUNL-27140-15	0.591	C6	1.969	1.575	1.063	5.512	4.528	-6°	-11°	
C6-PDUNL-35175-15	0.591	C6	2.480	1.969	1.378	6.890	5.984	-6°	-10°	
C6-PDUNR-27140-15	0.591	C6	1.969	1.575	1.063	5.512	4.528	-6°	-11°	
C6-PDUNR-35175-15	0.591	C6	2.480	1.969	1.378	6.890	5.984	-6°	-10°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DN .. 33 . DN .. 1104 .. 32	DN .. 33 . DN .. 1104 .. 40	DN .. 44 . DN .. 1506 .. 50–63
	Shim		AP171-DN1112	AP145-DN1516
	Lever	KN120	KN119	KN103
	Clamping screw Tightening torque	FS905 (SW 2) 18 in lbs	FS351 18 in lbs	FS355 44 in lbs
	Shim pin		RS101	RS102
	Tapered assembly pin		MD101	MD101
	Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Accessories

	Type	DN .. 33 . DN .. 1104 ..	DN .. 44 . DN .. 1506 ..
	Shim		AP145-DN1508
	Shim for DN .. 1504 ..		AP357-DN1508
	Shim for DN .. 1504 ..		AP357-DN1516

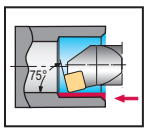
Boring bar – Lever clamping

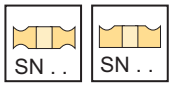
C...-PSKN mm

Walter Turn

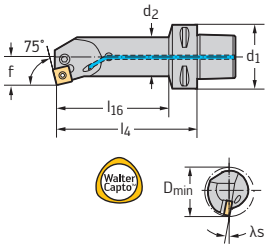


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C5-PSKNL-27140-12	0.472	C5	1.969	1.575	1.063	5.512	4.685	-6°	-10°	SN .. 43 . SN .. 1204 ..
C5-PSKNR-27140-12	0.472	C5	1.969	1.575	1.063	5.512	4.685	-6°	-10°	
C6-PSKNL-35175-15	0.591	C6	2.480	1.969	1.378	6.890	5.984	-6°	-9°	SN .. 54 . SN .. 1506 ..
C6-PSKNR-35175-15	0.591	C6	2.480	1.969	1.378	6.890	5.984	-6°	-9°	

(Footnote-1933738)

Assembly parts

Type	SN .. 43 . SN .. 1204 .. 50	SN .. 54 . SN .. 1506 .. 63
Shim	AP141-SN1216	AP142-SN1524
Lever	KN102	KN104
Clamping screw Tightening torque	FS352 44 in lbs	FS354 (SW 3) 44 in lbs
Shim pin	RS102	RS103
Tapered assembly pin	MD101	MD102
Allen key	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)

Accessories

Type	SN .. 1204 ..	SN .. 1506 ..
Shim		AP142-SN1516
Shim	AP141-SN1208	

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

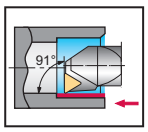
Boring bar – Lever clamping

C...-PTFN mm

Walter Turn

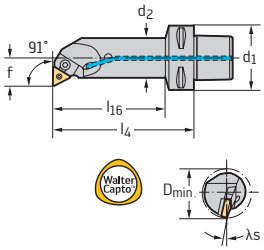


– Walter Capto™



TN . . TN . .

Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C4-PTFNL-17090-16W	0.630	C4	1.260	0.984	0.669	3.543	2.717	-6°	-13°	TN .. 33 . TN .. 1604 ..
C4-PTFNL-22110-16W	0.630	C4	1.575	1.260	0.866	4.331	3.504	-6°	-12°	
C4-PTFNR-17090-16W	0.630	C4	1.260	0.984	0.669	3.543	2.717	-6°	-13°	
C4-PTFNR-22110-16W	0.630	C4	1.575	1.260	0.866	4.331	3.504	-6°	-12°	
C5-PTFNL-17090-16W	0.630	C5	1.260	0.984	0.669	3.543	2.638	-6°	-13°	
C5-PTFNL-22110-16W	0.630	C5	1.575	1.260	0.866	4.331	3.465	-6°	-12°	
C5-PTFNR-17090-16W	0.630	C5	1.260	0.984	0.669	3.543	2.638	-6°	-13°	
C5-PTFNR-22110-16W	0.630	C5	1.575	1.260	0.866	4.331	3.465	-6°	-12°	
C6-PTFNL-22110-16W	0.630	C6	1.575	1.260	0.866	4.331	3.307	-6°	-12°	
C6-PTFNR-22110-16W	0.630	C6	1.575	1.260	0.866	4.331	3.307	-6°	-12°	
C5-PTFNL-35150-22W	0.866	C5	2.480	1.969	1.378	5.906	5.157	-6°	-10°	TN .. 43 . TN .. 2204 ..
C5-PTFNR-35150-22W	0.866	C5	2.480	1.969	1.378	5.906	5.157	-6°	-11°	
C6-PTFNL-27140-22W	0.866	C6	1.969	1.575	1.063	5.512	4.528	-6°	-11°	
C6-PTFNL-35175-22W	0.866	C6	2.480	1.969	1.378	6.890	5.984	-6°	-10°	
C6-PTFNR-27140-22W	0.866	C6	1.969	1.575	1.063	5.512	4.528	-6°	-11°	
C6-PTFNR-35175-22W	0.866	C6	2.480	1.969	1.378	6.890	5.984	-6°	-10°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	TN .. 33 . TN .. 1604 .. 32	TN .. 33 . TN .. 1604 .. 40	TN .. 43 . TN .. 2204 .. 50–63
Shim		AP147	AP148
Wedge set	FK307	FK308	FK309
Pin	RS113	RS114	RS115
Screw	FS1156 (T9IP)	FS1156 (T9IP)	FS1158 (T15IP)
Allen key	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)	ISO2936-4 (SW 4)

WALTER SELECT

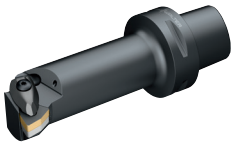
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

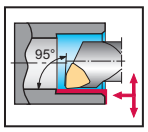
Boring bar – Rigid clamping

C...-DWLN mm

Walter Turn

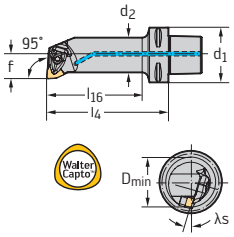


– Walter Capto™





Tool



Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C4-DWLNL-13075-06	0.236	C4	1.063	0.787	0.512	2.953	2.047	-6°	-17°	WN .. 33 . WN .. 0604 ..
C4-DWLNR-13075-06	0.236	C4	1.063	0.787	0.512	2.953	2.047	-6°	-17°	
C4-DWLNL-17090-08	0.315	C4	1.299	0.984	0.669	3.543	2.677	-6°	-12°	WN .. 43 . WN .. 0804 ..
C4-DWLNR-17090-08	0.315	C4	1.299	0.984	0.669	3.543	2.677	-6°	-12°	
C5-DWLNL-17090-08	0.315	C5	1.299	0.984	0.669	3.543	2.598	-6°	-12°	
C5-DWLNR-17090-08	0.315	C5	1.299	0.984	0.669	3.543	2.598	-6°	-12°	
C6-DWLNL-27140-10	0.394	C6	1.969	1.575	1.063	5.512	4.488	-6°	-16°	WN .. 54 . WN .. 1006 ..
C6-DWLNR-27140-10	0.394	C6	1.969	1.575	1.063	5.512	4.488	-6°	-16°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	WN .. 33 . WN .. 0604 .. 27	WN .. 43 . WN .. 0804 .. 33	WN .. 54 . WN .. 1006 .. 50
Shim	AP306-WN06	AP331-WN08	AP311-WN10
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
Clamp	PK240	PK241	PK242
Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
Pressure spring	FS1469	FS1470	FS1471
Pin	RS116	RS117	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

Type	WN .. 33 . WN .. 0604 ..	WN .. 43 . WN .. 0804 ..	WN .. 54 . WN .. 1006 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET	PK242-SET
Insert with hole Carbide clamp set		PK245-SET	PK246-SET
Insert with hole Carbide clamp set		PK254-SET	

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

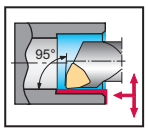
Boring bar – Lever clamping

C...-PWLN mm

Walter Turn

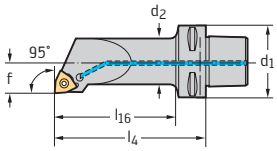


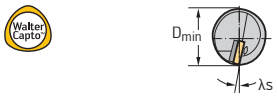
– Walter Capto™





Tool





Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C3-PWLNL-13075-06	0.236	C3	0.984	0.787	0.512	2.953	2.283	-6°	-15°	WN .. 33 . WN .. 0604 ..
C3-PWLNR-13075-06	0.236	C3	0.984	0.787	0.512	2.953	2.283	-6°	-15°	
C4-PWLNL-13075-06	0.236	C4	0.984	0.787	0.512	2.953	2.047	-6°	-15°	
C4-PWLNL-17090-06	0.236	C4	1.260	0.984	0.669	3.543	2.677	-6°	-12°	
C4-PWLNR-13075-06	0.236	C4	0.984	0.787	0.512	2.953	2.047	-6°	-15°	
C4-PWLNR-17090-06	0.236	C4	1.260	0.984	0.669	3.543	2.677	-6°	-10°	
C3-PWLNL-17090-08	0.315	C3	1.260	0.984	0.669	3.543	2.913	-6°	-10°	WN .. 43 . WN .. 0804 ..
C3-PWLNR-17090-08	0.315	C3	1.260	0.984	0.669	3.543	2.913	-6°	-10°	
C4-PWLNL-17090-08	0.315	C4	1.260	0.984	0.669	3.543	2.717	-6°	-14°	
C4-PWLNL-22110-08	0.315	C4	1.575	1.260	0.866	4.331	3.504	-6°	-10°	
C4-PWLNL-27120-08	0.315	C4	1.969	1.575	1.063	4.724	3.937	-6°	-10°	
C4-PWLNR-17090-08	0.315	C4	1.260	0.984	0.669	3.543	2.638	-6°	-10°	
C4-PWLNR-22110-08	0.315	C4	1.575	1.260	0.866	4.331	3.504	-6°	-10°	
C4-PWLNR-27120-08	0.315	C4	1.969	1.575	1.063	4.724	3.937	-6°	-10°	
C5-PWLNL-17090-08	0.315	C5	1.260	0.984	0.669	3.543	2.638	-6°	-10°	
C5-PWLNL-22110-08	0.315	C5	1.575	1.260	0.866	4.331	3.465	-6°	-14°	
C5-PWLNL-27140-08	0.315	C5	1.969	1.575	1.063	5.512	4.685	-6°	-10°	
C5-PWLNR-17090-08	0.315	C5	1.260	0.984	0.669	3.543	2.638	-6°	-10°	
C5-PWLNR-22110-08	0.315	C5	1.575	1.260	0.866	4.331	3.465	-6°	-14°	
C5-PWLNR-27140-08	0.315	C5	1.969	1.575	1.063	5.512	4.685	-6°	-10°	
C6-PWLNL-27140-08	0.315	C6	1.969	1.575	1.063	5.512	4.528	-6°	-10°	
C6-PWLNL-35175-08	0.315	C6	2.480	1.969	1.378	6.890	5.984	-6°	-10°	
C6-PWLNR-27140-08	0.315	C6	1.969	1.575	1.063	5.512	4.528	-6°	-10°	
C6-PWLNR-35175-08	0.315	C6	2.480	1.969	1.378	6.890	5.984	-6°	-10°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	WN .. 33 . WN .. 0604 .. 25–32	WN .. 43 . WN .. 0804 .. 32	WN .. 43 . WN .. 0804 .. 40	WN .. 43 . WN .. 0804 .. 50–63
Shim			AP170-WN0816	AP170-WN0816
Lever	KN108	KN109	KN121	KN102
Clamping screw Tightening torque	FS331 (SW 2) 18 in lbs	FS332 (SW 2.5) 22 in lbs	FS2129 44 in lbs	FS352 44 in lbs
Shim pin			RS102	RS102
Tapered assembly pin			MD101	MD101
Allen key	ISO2936-2 (SW 2.5)	ISO2936-2.5 (SW 2.5)	ISO2936-3 (SW 3.5)	ISO2936-3 (SW 3.5)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

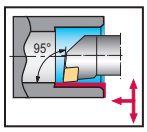
Boring bar – Screw clamping

C...-SCLC mm

Walter Turn

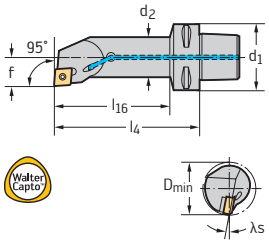


– Walter Capto™





Tool

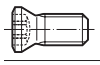
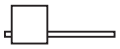


Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C3-SCLCL-11065-09	0.354	C3	0.787	0.630	0.433	2.559	1.890	0°	-8.4°	CC .. 3(2.5) . CC .. 09T3 ..
C3-SCLCL-17090-09	0.354	C3	1.260	0.984	0.669	3.543	2.913	0°	-3.4°	
C3-SCLCR-11065-09	0.354	C3	0.787	0.630	0.433	2.559	1.890	0°	-8.4°	
C3-SCLCR-17090-09	0.354	C3	1.260	0.984	0.669	3.543	2.913	0°	-3.4°	
C4-SCLCL-11070-09	0.354	C4	0.787	0.630	0.433	2.756	1.850	0°	-8.4°	
C4-SCLCL-13080-09	0.354	C4	0.984	0.787	0.512	3.150	2.244	0°	-5.8°	
C4-SCLCL-17090-09	0.354	C4	1.260	0.984	0.669	3.543	2.677	0°	-3.4°	
C4-SCLCR-11070-09	0.354	C4	0.787	0.630	0.433	2.756	1.850	0°	-8.4°	
C4-SCLCR-13080-09	0.354	C4	0.984	0.787	0.512	3.150	2.244	0°	-5.8°	
C4-SCLCR-17090-09	0.354	C4	1.260	0.984	0.669	3.543	2.677	0°	-3.4°	
C5-SCLCL-11070-09	0.354	C5	0.787	0.630	0.433	2.756	1.811	0°	-8.5°	
C5-SCLCL-13080-09	0.354	C5	0.984	0.787	0.512	3.150	2.205	0°	-5.8°	
C5-SCLCL-17090-09	0.354	C5	1.260	0.984	0.669	3.543	2.638	0°	-3.4°	
C5-SCLCL-35100-09	0.354	C5	2.480	1.969	1.378	3.937	3.150	0°	-4.7°	
C5-SCLCR-11070-09	0.354	C5	0.787	0.630	0.433	2.756	1.811	0°	-8.4°	
C5-SCLCR-13080-09	0.354	C5	0.984	0.787	0.512	3.150	2.205	0°	-5.8°	
C5-SCLCR-17090-09	0.354	C5	1.260	0.984	0.669	3.543	2.638	0°	-3.4°	
C5-SCLCR-35100-09	0.354	C5	2.480	1.969	1.378	3.937	3.150	0°	-4.7°	
C4-SCLCL-17090-12	0.472	C4	1.260	0.984	0.669	3.543	2.677	0°	-4.6°	CC .. 43 . CC .. 1204 ..
C4-SCLCR-17090-12	0.472	C4	1.260	0.984	0.669	3.543	2.677	0°	-4.6°	
C5-SCLCL-17090-12	0.472	C5	1.260	0.984	0.669	3.543	2.638	0°	-4.6°	
C5-SCLCL-22110-12	0.472	C5	1.575	1.260	0.866	4.331	3.465	0°	-9.8°	
C5-SCLCL-27140-12	0.472	C5	1.969	1.575	1.063	5.512	4.685	0°	-7.2°	
C5-SCLCR-17090-12	0.472	C5	1.260	0.984	0.669	3.543	2.638	0°	-4.6°	
C5-SCLCR-22110-12	0.472	C5	1.575	1.260	0.866	4.331	3.465	0°	-9.8°	
C5-SCLCR-27140-12	0.472	C5	1.969	1.575	1.063	5.512	4.685	0°	-7.2°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	CC .. 3(2.5) . CC .. 09T3 .. 20–25	CC .. 3(2.5) . CC .. 09T3 .. 32	CC .. 3(2.5) . CC .. 09T3 .. 63	CC .. 43 . CC .. 1204 .. 32	CC .. 43 . CC .. 1204 .. 40–50
	Clamping screw for indexable insert Tightening torque	FS2062 (T15IP) 27 in lbs	FS2063 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs	FS2064 (T15IP) 27 in lbs	FS2065 (T15IP) 27 in lbs
	Shim			AP313-CC0908		AP314-CC1212
	Screw for shim			FS2068 (SW 3.5)		FS2069 (SW 4)
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1496 (T15IP)	FS1496 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

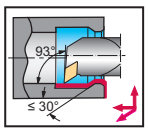
Boring bar – Screw clamping

C...-SDUC mm

Walter Turn

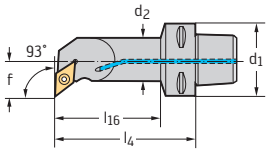


– Walter Capto™





Tool





Walter Capto™ in acc. with ISO 26623

Designation		d1	Dmin in	d2 in	f in	l4 in	l16 in	γ	λs	Type
C3-SDUCL-11065-07	0.276	C3	0.787	0.630	0.433	2.559	1.890	0°	-4.3°	DC .. 2(1.5) . DC .. 0702 ..
C3-SDUCR-11065-07	0.276	C3	0.787	0.630	0.433	2.559	1.890	0°	-4.3°	
C4-SDUCL-11070-07	0.276	C4	0.787	0.630	0.433	2.756	1.850	0°	-4.3°	
C4-SDUCR-11070-07	0.276	C4	0.787	0.630	0.433	2.756	1.850	0°	-4.3°	
C5-SDUCL-11070-07	0.276	C5	0.787	0.630	0.433	2.756	1.811	0°	-4.3°	
C5-SDUCR-11070-07	0.276	C5	0.787	0.630	0.433	2.756	1.811	0°	-4.3°	
C3-SDUCL-13075-11	0.433	C3	0.984	0.787	0.512	2.953	2.283	0°	-5.8°	DC .. 3(2.5) . DC .. 11T3 ..
C3-SDUCL-17090-11	0.433	C3	1.260	0.984	0.669	3.543	2.874	0°	-3.4°	
C3-SDUCR-13075-11	0.433	C3	0.984	0.787	0.512	2.953	2.283	0°	-5.8°	
C3-SDUCR-17090-11	0.433	C3	1.260	0.984	0.669	3.543	2.874	0°	-3.4°	
C4-SDUCL-13080-11	0.433	C4	0.984	0.787	0.512	3.150	2.244	0°	-5.8°	
C4-SDUCL-17090-11	0.433	C4	1.260	0.984	0.669	3.543	2.677	0°	-3.4°	
C4-SDUCL-22110-11	0.433	C4	1.575	1.260	0.866	4.331	3.504	0°	-7.6°	
C4-SDUCL-27080-11	0.433	C4	1.969	1.575	1.063	3.150	2.362	0°	-5.4°	
C4-SDUCR-13080-11	0.433	C4	0.984	0.787	0.512	3.150	2.244	0°	-5.8°	
C4-SDUCR-17090-11	0.433	C4	1.260	0.984	0.669	3.543	2.677	0°	-3.4°	
C4-SDUCR-22110-11	0.433	C4	1.575	1.260	0.866	4.331	3.504	0°	-7.6°	
C4-SDUCR-27080-11	0.433	C4	1.969	1.575	1.063	3.150	2.362	0°	-5.4°	
C5-SDUCL-13080-11	0.433	C5	0.984	0.787	0.512	3.150	2.205	0°	-5.8°	
C5-SDUCL-17090-11	0.433	C5	1.260	0.984	0.669	3.543	2.638	0°	-3.4°	
C5-SDUCL-22110-11	0.433	C5	1.575	1.260	0.866	4.331	3.465	0°	-7.6°	
C5-SDUCR-13080-11	0.433	C5	0.984	0.787	0.512	3.150	2.205	0°	-5.8°	
C5-SDUCR-17090-11	0.433	C5	1.260	0.984	0.669	3.543	2.638	0°	-3.4°	
C5-SDUCR-22110-11	0.433	C5	1.575	1.260	0.866	4.331	3.465	0°	-7.6°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 2(1.5) . DC .. 0702 .. 20	DC .. 3(2.5) . DC .. 11T3 .. 25	DC .. 3(2.5) . DC .. 11T3 .. 32	DC .. 3(2.5) . DC .. 11T3 .. 40–50
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2062 (T15IP) 27 in lbs	FS2063 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
	Shim				AP315-DC1108
	Screw for shim				FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

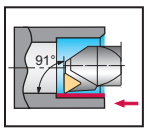
Boring bar – Screw clamping

C...-STFC mm

Walter Turn

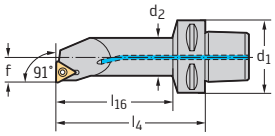


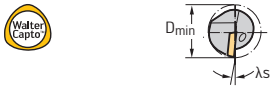
– Walter Capto™





Tool



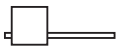


Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C4-STFCL-11070-11	0.433	C4	0.787	0.630	0.433	2.756	1.850	0°	-12°	TC .. 2(1.5) . TC .. 1102 ..
C4-STFCR-11070-11	0.433	C4	0.787	0.630	0.433	2.756	1.850	0°	-12°	
C5-STFCL-11070-11	0.433	C5	0.787	0.630	0.433	2.756	1.811	0°	-12°	
C5-STFCL-13080-11	0.433	C5	0.984	0.787	0.512	3.150	2.205	0°	-10.3°	
C5-STFCR-11070-11	0.433	C5	0.787	0.630	0.433	2.756	1.811	0°	-12°	
C5-STFCR-13080-11	0.433	C5	0.984	0.787	0.512	3.150	2.205	0°	-3°	
C4-STFCL-17090-16	0.630	C4	1.260	0.984	0.669	3.543	2.677	0°	-3.4°	TC .. 3(2.5) . TC .. 16T3 ..
C4-STFCL-22110-16	0.630	C4	1.575	1.260	0.866	4.331	3.504	0°	-7.9°	
C4-STFCR-17090-16	0.630	C4	1.260	0.984	0.669	3.543	2.677	0°	-3.4°	
C4-STFCR-22110-16	0.630	C4	1.575	1.260	0.866	4.331	3.504	0°	-7.9°	
C5-STFCL-17090-16	0.630	C5	1.260	0.984	0.669	3.543	2.638	0°	-3.4°	
C5-STFCL-22110-16	0.630	C5	1.575	1.260	0.866	4.331	3.465	0°	-7.9°	
C5-STFCR-17090-16	0.630	C5	1.260	0.984	0.669	3.543	2.638	0°	-3.4°	
C5-STFCR-22110-16	0.630	C5	1.575	1.260	0.866	4.331	3.465	0°	-7.9°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	TC .. 2(1.5) . TC .. 1102 .. 20–25	TC .. 3(2.5) . TC .. 16T3 .. 32	TC .. 3(2.5) . TC .. 16T3 .. 40
 Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2063 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
 Shim			AP317-TC1612
 Screw for shim			FS2068 (SW 3.5)
 Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

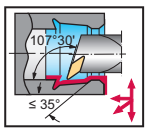
Boring bar – Screw clamping

C...-SVQB mm

Walter Turn



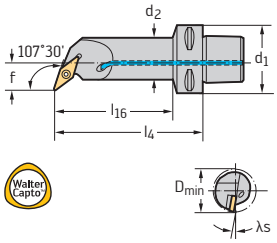
– Walter Capto™



5° VB . .

7° VC . .

Tool

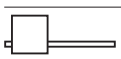


Walter Capto™ in acc. with ISO 26623

Designation		d_1	D_{min} in	d_2 in	f in	l_4 in	l_{16} in	γ	λ_s	Type
C3-SVQBL-13070-11	0.433	C3	0.866	0.630	0.512	2.756	2.087	0°	-6.9°	VB .. 22 . VB .. 1103 ..
C3-SVQBR-13070-11	0.433	C3	0.866	0.630	0.512	2.756	2.087	0°	-6.9°	
C4-SVQBL-13070-11	0.433	C4	0.984	0.787	0.512	2.756	1.890	0°	-5.7°	
C4-SVQBL-15080-11	0.433	C4	1.063	0.787	0.591	3.150	2.244	0°	-5°	
C4-SVQBR-13070-11	0.433	C4	0.984	0.787	0.512	2.756	1.850	0°	-5.7°	
C4-SVQBR-15080-11	0.433	C4	1.063	0.787	0.591	3.150	2.244	0°	-5°	
C5-SVQBL-15080-11	0.433	C5	1.063	0.787	0.591	3.150	2.205	0°	-5°	
C5-SVQBR-15080-11	0.433	C5	1.063	0.787	0.591	3.150	2.205	0°	-5°	
C4-SVQBL-18090-16	0.630	C4	1.299	0.984	0.709	3.543	2.677	0°	-7.2°	VB .. 33 . VB .. 1604 ..
C4-SVQBL-22110-16	0.630	C4	1.575	1.260	0.866	4.331	3.504	0°	-10.9°	
C4-SVQBL-27080-16	0.630	C4	1.969	1.575	1.063	3.150	2.362	0°	-7.9°	
C4-SVQBL-27120-16	0.630	C4	1.969	1.575	1.063	4.724	3.937	0°	-7.9°	
C4-SVQBR-18090-16	0.630	C4	1.299	0.984	0.709	3.543	2.677	0°	-7.2°	
C4-SVQBR-22110-16	0.630	C4	1.575	1.260	0.866	4.331	3.504	0°	-10.9°	
C4-SVQBR-27080-16	0.630	C4	1.969	1.575	1.063	3.150	2.362	0°	-7.9°	
C4-SVQBR-27120-16	0.630	C4	1.969	1.575	1.063	4.724	3.937	0°	-7.9°	
C5-SVQBL-18090-16	0.630	C5	1.299	0.984	0.709	3.543	2.638	0°	-7.2°	
C5-SVQBL-22110-16	0.630	C5	1.575	1.260	0.866	4.331	3.465	0°	-10.9°	
C5-SVQBL-27140-16	0.630	C5	1.969	1.575	1.063	5.512	4.685	0°	-7.9°	
C5-SVQBL-35150-16	0.630	C5	2.480	1.969	1.378	5.906	5.118	0°	-5.4°	
C5-SVQBR-18090-16	0.630	C5	1.299	0.984	0.709	3.543	2.638	0°	-7.2°	
C5-SVQBR-22110-16	0.630	C5	1.575	1.260	0.866	4.331	3.465	0°	-10.9°	
C5-SVQBR-27140-16	0.630	C5	1.969	1.575	1.063	5.512	4.685	0°	-7.9°	
C5-SVQBR-35150-16	0.630	C5	2.480	1.969	1.378	5.906	5.118	0°	-5.4°	
C6-SVQBL-22120-16	0.630	C6	1.575	1.260	0.866	4.724	3.701	0°	-10.9°	
C6-SVQBL-27145-16	0.630	C6	1.969	1.575	1.063	5.709	4.724	0°	-7.9°	
C6-SVQBL-35175-16	0.630	C6	2.480	1.969	1.378	6.890	5.945	0°	-5.4°	
C6-SVQBR-22120-16	0.630	C6	1.575	1.260	0.866	4.724	3.701	0°	-10.9°	
C6-SVQBR-27145-16	0.630	C6	1.969	1.575	1.063	5.709	4.724	0°	-7.9°	
C6-SVQBR-35175-16	0.630	C6	2.480	1.969	1.378	6.890	5.945	0°	-5.4°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	VB .. 22 . VB .. 1103 .. 22–27	VB .. 33 . VB .. 1604 .. 33	VB .. 33 . VB .. 1604 .. 40–63
 Clamping screw for indexable insert Tightening torque	FS2172 (T7IP) 8 in lbs	FS2063 (T15IP) 27 in lbs	FS2060 (T15IP) 27 in lbs
 Shim			AP316-VB1608
 Screw for shim			FS2068 (SW 3.5)
 Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Replaceable head – rigid clamping

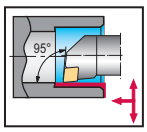
Q...-DCLN mm

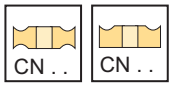
Walter Turn

– QuadFit
– For Accure·tec boring bars

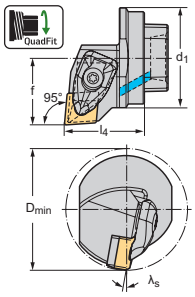








Tool

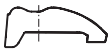
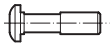
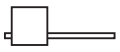
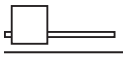


QuadFit

Designation		d_1	f in	l_4 in	D_{min} in	γ	λ_s	Type
Q32-DCLNR-22032-12	0.472	Q32	0.866	1.260	1.575	-6°	-10°	CN .. 43 . CN .. 1204 ..
Q40-DCLNR-27032-12	0.472	Q40	1.063	1.260	1.969	-6°	-10°	
Q50-DCLNR-32032-12	0.472	Q50	1.260	1.260	2.480	-6°	-8°	
Q50-DCLNR-32037-16	0.630	Q50	1.260	1.457	2.480	-5°	-14°	CN .. 54 . CN .. 1606 ..
Q32-DCLNL-22032-12	0.472	Q32	0.866	1.260	1.575	-6°	-10°	CN .. 43 . CN .. 1204 ..
Q40-DCLNL-27032-12	0.472	Q40	1.063	1.260	1.969	-6°	-10°	
Q50-DCLNL-32032-12	0.472	Q50	1.260	1.260	2.480	-6°	-8°	
Q50-DCLNL-32037-16	0.630	Q50	1.260	1.457	2.480	-5°	-14°	CN .. 54 . CN .. 1606 ..

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..
	Shim	AP354-CN12	AP302-CN16
	Screw for shim Tightening torque	FS1461 (T15IP) 22 in lbs	FS1463 (T20IP) 44 in lbs
	Clamp	PK241	PK242
	Screw for clamp Tightening torque	FS1473 (T15IP) 35 in lbs	FS1474 (T20IP) 57 in lbs
	Pressure spring	FS1470	FS1471
	Pin	RS117	RS117
	Torx key	FS1465 (T15IP)	
	Torx key		FS1464 (T20IP)

Accessories

	Type	CN .. 43 . CN .. 1204 ..	CN .. 54 . CN .. 1606 ..
	(standard assembly parts) Clamp set	PK241-SET	
	Insert with hole Carbide clamp set	PK245-SET	
	(standard assembly parts) Clamp set		PK242-SET
	Insert with hole Carbide clamp set	PK254-SET	PK246-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

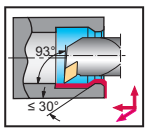
Replaceable head – rigid clamping

Q...-DDUN mm

Walter Turn

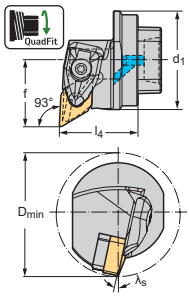


– QuadFit
– For Accure·tec boring bars





Tool

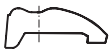
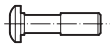
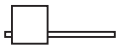


QuadFit

Designation		d_1	f in	l_4 in	D_{min} in	γ	λ_s	Type
Q32-DDUNR-22032-11	0.433	Q32	0.866	1.260	1.575	-6°	-10°	DN .. 3(3) . DN .. 1104 ..
Q40-DDUNR-27032-11	0.433	Q40	1.063	1.260	1.969	-5°	-10°	
Q32-DDUNR-22032-15	0.591	Q32	0.862	1.260	1.575	-6°	-14°	DN .. 44 . DN .. 1506 ..
Q40-DDUNR-27032-15	0.591	Q40	1.063	1.260	1.969	-6°	-12°	
Q50-DDUNR-32032-15	0.591	Q50	1.260	1.260	2.480	-6°	-12°	
Q32-DDUNL-22032-11	0.433	Q32	0.866	1.260	1.575	-6°	-10°	DN .. 3(3) . DN .. 1104 ..
Q40-DDUNL-27032-11	0.433	Q40	1.063	1.260	1.969	-5°	-10°	
Q32-DDUNL-22032-15	0.591	Q32	0.862	1.260	1.575	-6°	-14°	DN .. 44 . DN .. 1506 ..
Q40-DDUNL-27032-15	0.591	Q40	1.063	1.260	1.969	-6°	-12°	
Q50-DDUNL-32032-15	0.591	Q50	1.260	1.260	2.480	-6°	-12°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DN .. 3(3) . DN .. 1104 ..	DN .. 44 . DN .. 1506 ..
	Shim	AP305-DN11	AP304-DN15
	Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs
	Clamp	PK240	PK241
	Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs
	Pressure spring	FS1469	FS1470
	Pin	RS116	RS117
	Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

	Type	DN .. 3(3) . DN .. 1104 ..	DN .. 44 . DN .. 1506 ..
	(standard assembly parts) Clamp set	PK240-SET	PK241-SET
	Insert without hole Carbide clamp set		PK245-SET
	Insert without hole Carbide clamp set		PK254-SET
	Shim for DN .. 1504 ..		AP304-DN1504

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Replaceable head – rigid clamping

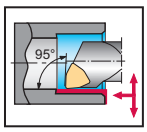
Q...-DWLN mm

Walter Turn



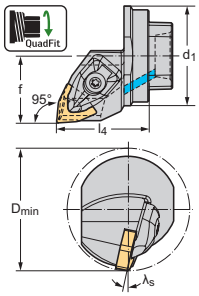


– QuadFit
– For Accure·tec boring bars





Tool



QuadFit

Designation		d_1	f in	l_4 in	D_{min} in	γ	λ_s	Type
Q32-DWLNR-22032-06	0.236	Q32	0.866	1.260	1.575	-5°	-12°	WN .. 33 . WN .. 0604 ..
Q32-DWLNR-22035-08	0.315	Q32	0.866	1.378	1.575	-5°	-14°	WN .. 43 . WN .. 0804 ..
Q40-DWLNR-27037-08	0.315	Q40	1.063	1.457	1.969	-5°	-12°	
Q50-DWLNR-32038-08	0.315	Q50	1.260	1.496	2.480	-5°	-12°	
Q32-DWLNL-22032-06	0.236	Q32	0.866	1.260	1.575	-5°	-12°	WN .. 33 . WN .. 0604 ..
Q32-DWLNL-22035-08	0.315	Q32	0.866	1.378	1.575	-5°	-14°	WN .. 43 . WN .. 0804 ..
Q40-DWLNL-27037-08	0.315	Q40	1.063	1.457	1.969	-5°	-12°	
Q50-DWLNL-32038-08	0.315	Q50	1.260	1.496	2.480	-5°	-12°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	WN .. 33 . WN .. 0604 ..	WN .. 43 . WN .. 0804 ..
Shim	AP306-WN06	AP331-WN08
Screw for shim Tightening torque	FS1462 (T9IP) 13 in lbs	FS1461 (T15IP) 22 in lbs
Clamp	PK240	PK241
Screw for clamp Tightening torque	FS1472 (T9IP) 15 in lbs	FS1473 (T15IP) 35 in lbs
Pressure spring	FS1469	FS1470
Pin	RS116	RS117
Torx key	FS1466 (T9IP)	FS1465 (T15IP)

Accessories

Type	WN .. 33 . WN .. 0604 ..	WN .. 43 . WN .. 0804 ..
(standard assembly parts) Clamp set	PK240-SET	PK241-SET
Insert without hole Carbide clamp set		PK245-SET
Insert without hole Carbide clamp set		PK254-SET

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

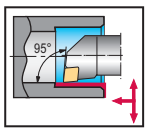
Replaceable head – screw clamping

Q...-SCLC mm

Walter Turn

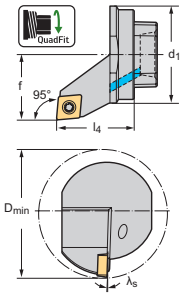


– QuadFit
– For Accure·tec boring bars





Tool

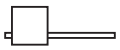
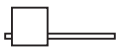


QuadFit

Designation		d_1	f in	l_4 in	D_{min} in	γ	λ_s	Type
Q25-SCLCR-17020-09	0.354	Q25	0.669	0.787	1.260	0°	-3°	CC .. 3(2.5) . CC .. 09T3 ..
Q32-SCLCR-22032-09	0.354	Q32	0.866	1.260	1.575	0°	-2°	
Q40-SCLCR-27032-09	0.354	Q40	1.063	1.260	1.969	0°	-2°	
Q50-SCLCR-32032-09	0.354	Q50	1.260	1.260	2.480	0°	-2°	
Q32-SCLCR-22032-12	0.472	Q32	0.866	1.260	1.575	0°	-8°	CC .. 43 . CC .. 1204 ..
Q40-SCLCR-27032-12	0.472	Q40	1.063	1.260	1.969	0°	-8°	
Q50-SCLCR-32032-12	0.472	Q50	1.260	1.260	2.480	0°	-9°	
Q25-SCLCL-17020-09	0.354	Q25	0.669	0.787	1.260	0°	-3°	CC .. 3(2.5) . CC .. 09T3 ..
Q32-SCLCL-22032-09	0.354	Q32	0.866	1.260	1.575	0°	-2°	
Q40-SCLCL-27032-09	0.354	Q40	1.063	1.260	1.969	0°	-2°	
Q50-SCLCL-32032-09	0.354	Q50	1.260	1.260	2.480	0°	-2°	
Q32-SCLCL-22032-12	0.472	Q32	0.866	1.260	1.575	0°	-8°	CC .. 43 . CC .. 1204 ..
Q40-SCLCL-27032-12	0.472	Q40	1.063	1.260	1.969	0°	-8°	
Q50-SCLCL-32032-12	0.472	Q50	1.260	1.260	2.480	0°	-9°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	CC .. 3(2.5) . CC .. 09T3 ..	CC .. 43 . CC .. 1204 ..
	Clamping screw for indexable insert Tightening torque	FS1461 (T15IP) 22 in lbs	FS2281 (T20IP) 44 in lbs
	Shim		AP364-CC1208
	Screw for shim		FS2592 (SW 5)
	Torx key	FS1465 (T15IP)	
	Allen key		FS1464 (T20IP)
	Allen key for shim		ISO2936-5 (SW5)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

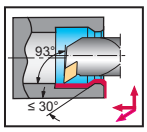
Replaceable head – screw clamping

Q...-SDUC mm

Walter Turn

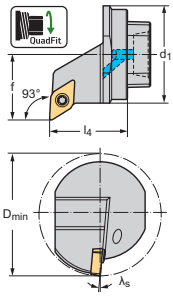


– QuadFit
– For Accure·tec boring bars





Tool

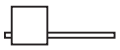


QuadFit

Designation		d_1	f in	l_4 in	D_{min} in	γ	λ_s	Type
Q25-SDUCR-17020-11	0.433	Q25	0.669	0.787	1.260	0°	-6°	DC .. 3(2.5) . DC .. 11T3 ..
Q32-SDUCR-22032-11	0.433	Q32	0.866	1.260	1.575	0°	-5°	
Q40-SDUCR-27032-11	0.433	Q40	1.063	1.260	1.969	0°	-5°	
Q50-SDUCR-32032-11	0.433	Q50	1.260	1.260	2.480	0°	-5°	
Q25-SDUCL-17020-11	0.433	Q25	0.669	0.787	1.260	0°	-6°	DC .. 3(2.5) . DC .. 11T3 ..
Q32-SDUCL-22032-11	0.433	Q32	0.866	1.260	1.575	0°	-5°	
Q40-SDUCL-27032-11	0.433	Q40	1.063	1.260	1.969	0°	-5°	
Q50-SDUCL-32032-11	0.433	Q50	1.260	1.260	2.480	0°	-5°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 3(2.5) . DC .. 11T3 ..
	Clamping screw for indexable insert Tightening torque	FS1461 (T15IP) 22 in lbs
	Torx key	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

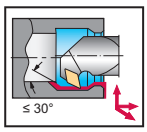
Replaceable head – screw clamping

Q...-SDUC...-X mm

Walter Turn

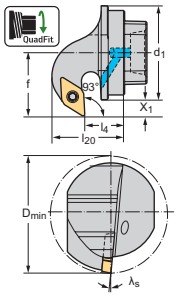


– QuadFit
– For Accure·tec boring bars





Tool

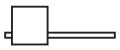


QuadFit

Designation		d1	f in	l4 in	l1 in	X1 in	Dmin in	γ	λs	Type
Q25-SDUCR-17012-11X	0.433	Q25	0.669	0.472	0.965	0.177	1.260	0°	-6°	DC .. 3(2.5) . DC .. 11T3 ..
Q32-SDUCR-22018-11X	0.433	Q32	0.862	1.260	1.476	0.232	1.575	0°	-5°	
Q40-SDUCR-27017-11X	0.433	Q40	1.059	0.669	1.594	0.272	1.969	0°	-5°	
Q50-SDUCR-32017-11X	0.433	Q50	1.260	0.669	1.673	0.272	2.480	0°	-5°	
Q25-SDUCL-17012-11X	0.433	Q25	0.669	0.472	0.965	0.177	1.260	0°	-6°	DC .. 3(2.5) . DC .. 11T3 ..
Q32-SDUCL-22018-11X	0.433	Q32	0.862	0.709	1.476	0.232	1.575	0°	-5°	
Q40-SDUCL-27017-11X	0.433	Q40	1.059	0.669	1.594	0.272	1.969	0°	-5°	
Q50-SDUCL-32017-11X	0.433	Q50	1.260	0.669	1.673	0.272	2.480	0°	-5°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 3(2.5) . DC .. 11T3 ..
	Clamping screw for indexable insert Tightening torque	FS1461 (T15IP) 22 in lbs
	Torx key	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

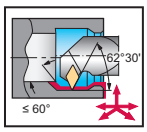
Replaceable head – screw clamping

Q...-SDXC mm

Walter Turn

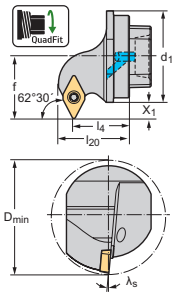


– QuadFit
– For Accure·tec boring bars





Tool

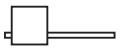


QuadFit

Designation		d_1	f in	l_4 in	l_1 in	X_1 in	D_{min} in	γ	λ_s	Type
Q25-SDXCR-17018-11	0.433	Q25	0.669	0.709	0.957	0.177	1.260	0°	-6°	DC .. 3(2.5) . DC .. 11T3 ..
Q32-SDXCR-22025-11	0.433	Q32	0.862	0.984	1.476	0.232	1.575	0°	-5°	
Q40-SDXCR-27025-11	0.433	Q40	1.059	0.984	1.594	0.272	1.969	0°	-5°	
Q50-SDXCR-32025-11	0.433	Q50	1.256	0.984	1.673	0.272	2.480	0°	-5°	
Q25-SDXCL-17018-11	0.433	Q25	0.669	0.709	0.957	0.177	1.260	0°	-6°	DC .. 3(2.5) . DC .. 11T3 ..
Q32-SDXCL-22025-11	0.433	Q32	0.862	0.984	1.476	0.232	1.575	0°	-5°	
Q40-SDXCL-27025-11	0.433	Q40	1.059	0.984	1.594	0.272	1.969	0°	-5°	
Q50-SDXCL-32025-11	0.433	Q50	1.256	0.984	1.673	0.272	2.480	0°	-5°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	DC .. 3(2.5) . DC .. 11T3 ..
	Clamping screw for indexable insert Tightening torque	FS1461 (T15IP) 22 in lbs
	Torx key	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

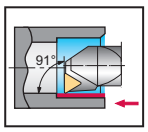
Replaceable head – screw clamping

Q...-STFC mm

Walter Turn

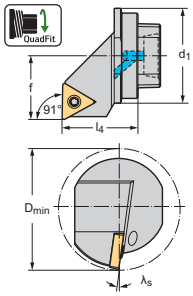


– QuadFit
– For Accure·tec boring bars





Tool



QuadFit

Designation		d_1	f in	l_4 in	D_{min} in	γ	λ_s	Type
Q25-STFCR-17020-11	0.433	Q25	0.669	0.787	1.260	0°	-3°	TC .. 2(1.5) . TC .. 1102 ..
Q32-STFCR-22032-16	0.630	Q32	0.866	1.260	1.575	0°	-10°	TC .. 3(2.5) . TC .. 16T3 ..
Q40-STFCR-27032-16	0.630	Q40	1.063	1.260	1.969	0°	-8°	
Q50-STFCR-32032-16	0.630	Q50	1.260	1.260	2.480	0°	-8°	
Q25-STFCL-17020-11	0.433	Q25	0.669	0.787	1.260	0°	-3°	TC .. 2(1.5) . TC .. 1102 ..
Q32-STFCL-22032-16	0.630	Q32	0.866	1.260	1.575	0°	-10°	TC .. 3(2.5) . TC .. 16T3 ..
Q40-STFCL-27032-16	0.630	Q40	1.063	1.260	1.969	0°	-8°	
Q50-STFCL-32032-16	0.630	Q50	1.260	1.260	2.480	0°	-8°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	TC .. 2(1.5) . TC .. 1102 ..	TC .. 3(2.5) . TC .. 16T3 ..
Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2063 (T15IP) 27 in lbs
Shim		AP317-TC1612
Screw for shim		FS2068 (SW 3.5)
Torx key	FS1490 (T7IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

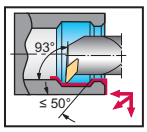
Replaceable head – screw clamping

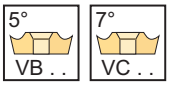
Q...-SVUB mm

Walter Turn

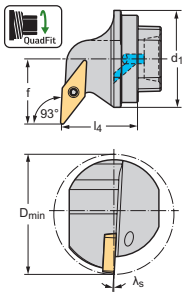


– QuadFit
– For Accure·tec boring bars





Tool

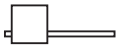


QuadFit

Designation		d1	f in	l4 in	Dmin in	γ	λs	Type
Q25-SVUBR-17020-11	0.433	Q25	0.669	0.787	1.260	0°	-4°	VB .. 22 . VB .. 1103 ..
Q32-SVUBR-22032-16	0.630	Q32	0.866	1.260	1.575	0°	-3°	VB .. 3(3) . VB .. 1604 ..
Q40-SVUBR-27032-16	0.630	Q40	1.059	1.260	1.969	0°	-3°	
Q50-SVUBR-32032-16	0.630	Q50	1.256	1.260	2.480	0°	-3°	
Q25-SVUBL-17020-11	0.433	Q25	0.669	0.787	1.260	0°	-4°	VB .. 22 . VB .. 1103 ..
Q32-SVUBL-22032-16	0.630	Q32	0.866	1.260	1.575	0°	-3°	VB .. 3(3) . VB .. 1604 ..
Q40-SVUBL-27032-16	0.630	Q40	1.059	1.260	1.969	0°	-3°	
Q50-SVUBL-32032-16	0.630	Q50	1.256	1.260	2.480	0°	-3°	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	VB .. 22 . VB .. 1103 ..	VB .. 3(3) . VB .. 1604 ..
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 8 in lbs	FS2063 (T15IP) 27 in lbs
	Shim		AP316-VB1608
	Screw for shim		FS2068 (SW 3.5)
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Cylinder shaft adaptor – vibration damped

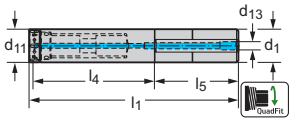
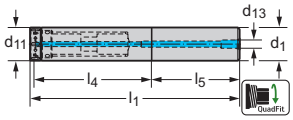
A3000 mm

Accure·tec



– For QuadFit exchangeable heads
– With preset vibration damping

Tool

	Designation	d_1	d_{11}	l_4 mm	l_5 mm	l_1 mm	d_{13}	kg
 Zylinderschaft mit Spannfläche	A3000-25-Q25-130	25	Q25	130	100	234.5	G 1/4	0.9
	A3000-32-Q32-160	32	Q32	160	128	293.4	G 1/4	1.8
	A3000-32-Q32-224	32	Q32	224	128	357.4	G 1/4	2.3
	A3000-40-Q40-208	40	Q40	208	160	374.4	G 1/4	3.8
	A3000-40-Q40-288	40	Q40	288	160	454.4	G 1/4	4.6
	A3000-50-Q50-268	50	Q50	268	200	475.4	G 1/4	7.5
	A3000-50-Q50-368	50	Q50	368	200	575.4	G 1/4	9.1
 Zylinderschaft	A3000-25-Q25-180	25	Q25	180	100	284.5	G 1/4	1.1
	A3000-25-Q25-230-CS	25	Q25	230	75	309.5	M8X1	1.7
	A3000-32-Q32-288-CS	32	Q32	288	98	389.4	M8X1	2.7
	A3000-40-Q40-368	40	Q40	368	160	534.4	G 1/4	5.5
	A3000-50-Q50-468	50	Q50	468	200	675.4	G 1/4	11

A3000...-CS = Carbide reinforced version
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	Q25	Q32	Q40	Q50
	Hook wrench	SD9000-Q25 (1)	SD9000-Q32 (1)	SD9000-Q40 (1)	SD9000-Q50 (1)

Accessories

	d_{11}	Q25	Q32	Q40	Q50
	Torque wrench with hook		SD4000-Q32-25 (1)	SD4000-Q40-35 (1)	SD4000-Q50-55 (1)
	Hook for torque wrench		SD6000-Q32 (1)	SD6000-Q40 (1)	SD6000-Q50 (1)

Cylinder shaft adaptor – vibration damped

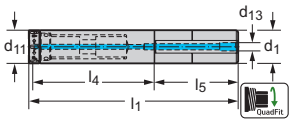
A3000 inch

Accure·tec

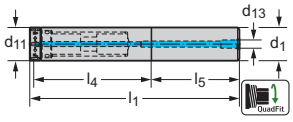


– For QuadFit exchangeable heads
– With preset vibration damping

Tool



Zylinderschaft mit Spannfläche



Zylinderschaft

Designation	d_1	d_{11}	l_4 inch	l_5 inch	l_1 inch	d_{13}	lbs
A3000.16-Q25-133	0.039	Q25	5.250	4.000	9.430	G 1/4	0.078
A3000.16-Q25-184	0.039	Q25	7.250	4.000	11.430	G 1/4	0.096
A3000.20-Q32-165	0.039	Q32	6.500	5.000	11.713	G 1/4	0.071
A3000.20-Q32-229	0.039	Q32	9.000	5.000	14.213	G 1/4	0.091
A3000.24-Q40-203	0.039	Q40	8.000	6.000	14.252	G 1/4	0.138
A3000.24-Q40-279	0.039	Q40	11.000	6.000	17.252	G 1/4	0.169
A3000.32-Q50-267	0.079	Q50	10.500	8.000	18.791	G 1/4	0.299
A3000.32-Q50-368	0.079	Q50	14.496	8.000	22.791	G 1/4	0.362
A3000.16-Q25-235-CS	0.039	Q25	9.250	3.000	12.430	M8X1	0.156
A3000.20-Q32-292-CS	0.039	Q32	11.500	3.750	15.463	M8X1	0.234
A3000.24-Q40-356	0.039	Q40	14.000	6.000	20.252	G 1/4	0.205
A3000.32-Q50-470	0.079	Q50	18.500	8.000	26.791	G 1/4	0.441

A3000...-CS = Carbide reinforced version
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	Q25	Q32	Q40	Q50
	Hook wrench	SD9000-Q25 (1)	SD9000-Q32 (1)	SD9000-Q40 (1)	SD9000-Q50 (1)

Accessories

	d_{11}	Q25	Q32	Q40	Q50
	Torque wrench with hook		SD4000-Q32-25 (1)	SD4000-Q40-35 (1)	SD4000-Q50-55 (1)
	Hook for torque wrench		SD6000-Q32 (1)	SD6000-Q40 (1)	SD6000-Q50 (1)

Walter Capto™ Adaptor – vibration damped

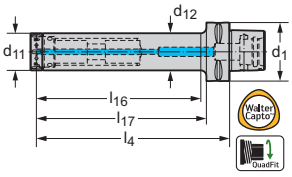
A3000-C mm

Accure·tec



– For QuadFit exchangeable heads
– With preset vibration damping

Tool



Designation	d_1	d_{11}	d_{12} mm	l_4 mm	l_{16} mm	l_{17} mm	kg
A3000-C4-Q25-130	C4	Q25	25	130	107	110	0.8
A3000-C4-Q25-180	C4	Q25	25	180	157	160	1
A3000-C4-Q32-160	C4	Q32	32	160	134	140	1.2
A3000-C4-Q32-224	C4	Q32	32	224	198	204	1.7
A3000-C5-Q25-130	C5	Q25	25	130	107	110	0.9
A3000-C5-Q25-180	C5	Q25	25	180	157	160	1.1
A3000-C5-Q25-230	C5	Q25	25	230	207	210	1.3
A3000-C5-Q32-160	C5	Q32	32	160	133	140	1.4
A3000-C5-Q32-224	C5	Q32	32	224	197	204	1.8
A3000-C5-Q32-288	C5	Q32	32	288	261	268	2.2
A3000-C5-Q40-208	C5	Q40	40	208	181	188	2.5
A3000-C5-Q40-288	C5	Q40	40	288	261	268	3.3
A3000-C6-Q25-130	C6	Q25	25	130	102	105	1.3
A3000-C6-Q25-180	C6	Q25	25	180	152	155	1.5
A3000-C6-Q25-230	C6	Q25	25	230	202	205	1.7
A3000-C6-Q32-160	C6	Q32	32	160	129	135	1.8
A3000-C6-Q32-224	C6	Q32	32	224	193	199	2.1
A3000-C6-Q32-288	C6	Q32	32	288	257	263	2.6
A3000-C6-Q40-208	C6	Q40	40	208	177	183	2.9
A3000-C6-Q40-288	C6	Q40	40	288	257	263	3.7
A3000-C6-Q40-368	C6	Q40	40	368	337	343	4.5
A3000-C6-Q50-268	C6	Q50	50	268	238	243	5
A3000-C6-Q50-368	C6	Q50	50	368	338	343	6.6
A3000-C6-Q50-468	C6	Q50	50	468	438	443	8.5
A3000-C8-Q32-224	C8	Q32	32	224	181	191	3.2
A3000-C8-Q32-288	C8	Q32	32	288	245	255	3.6
A3000-C8-Q40-288	C8	Q40	40	288	245	255	4.7
A3000-C8-Q40-368	C8	Q40	40	368	325	335	5.6
A3000-C8-Q50-268	C8	Q50	50	268	225	235	5.9
A3000-C8-Q50-368	C8	Q50	50	368	325	335	7.5
A3000-C8-Q50-468	C8	Q50	50	468	425	435	9.4

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	Q25	Q32	Q40	Q50
	Hook wrench	SD9000-Q25 (1)	SD9000-Q32 (1)	SD9000-Q40 (1)	SD9000-Q50 (1)

Accessories

	d_{11}	Q25	Q32	Q40	Q50
	Torque wrench with hook		SD4000-Q32-25 (1)	SD4000-Q40-35 (1)	SD4000-Q50-55 (1)

Accessories

	d_{11}	Q25	Q32	Q40	Q50
	Hook for torque wrench		SD6000-Q32 (1)	SD6000-Q40 (1)	SD6000-Q50 (1)

HSK-T adaptor – vibration damped

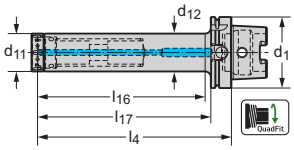
A3000-HSK-T mm

Accure·tec



– For QuadFit exchangeable heads
– With preset vibration damping

Tool



Designation	d_1	d_{11}	d_{12} mm	l_4 mm	l_{16} mm	l_{17} mm	kg
A3000-H100T-Q32-224	100	Q32	32	224	173	195	3.4
A3000-H100T-Q32-288	100	Q32	32	288	237	259	3.8
A3000-H100T-Q40-288	100	Q40	40	288	237	259	4.9
A3000-H100T-Q40-368	100	Q40	40	368	317	339	5.8
A3000-H100T-Q50-268	100	Q50	50	268	218	239	6.2
A3000-H100T-Q50-368	100	Q50	50	368	318	339	7.8
A3000-H100T-Q50-468	100	Q50	50	468	418	439	9.7
A3000-H63T-Q25-130	63	Q25	25	130	101	104	1.1
A3000-H63T-Q25-180	63	Q25	25	180	151	154	1.3
A3000-H63T-Q25-230	63	Q25	25	230	201	204	1.5
A3000-H63T-Q32-160	63	Q32	32	160	112	134	1.6
A3000-H63T-Q32-224	63	Q32	32	224	176	198	2
A3000-H63T-Q40-208	63	Q40	40	208	160	182	2.7
A3000-H63T-Q40-288	63	Q40	40	288	240	262	3.5
A3000-H63T-Q50-268	63	Q50	50	268	225	242	4.8
A3000-H63T-Q50-368	63	Q50	50	368	325	342	6.4

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	Q25	Q32	Q40	Q50
	Hook wrench	SD9000-Q25 (1)	SD9000-Q32 (1)	SD9000-Q40 (1)	SD9000-Q50 (1)

Accessories

	d_{11}	Q25	Q32	Q40	Q50
	Torque wrench with hook		SD4000-Q32-25 (1)	SD4000-Q40-35 (1)	SD4000-Q50-55 (1)
	Hook for torque wrench		SD6000-Q32 (1)	SD6000-Q40 (1)	SD6000-Q50 (1)

Cylinder shaft adaptor – vibration damped

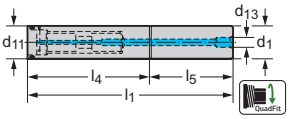
A3001 mm

Accure·tec



– For A2201 intermediate adaptor with QuadFit interface
– With preset vibration damping

Tool



Zylinderschaft

Designation	d_1	d_{11}	l_4 mm	l_5 mm	l_1 mm	d_{13}	kg
A3001-100-QL100-939	100	QL100	939	500	1.439	G 3/4	84.7
A3001-60-QL60-301	60	QL60	301	240	541	G 3/4	12.5
A3001-60-QL60-541	60	QL60	541	240	781	G 3/4	18.1
A3001-80-QL80-421	80	QL80	421	320	741	G 3/4	30.2
A3001-80-QL80-741	80	QL80	741	320	1.061	G 3/4	43.4

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	QL100	QL60	QL80
	Threaded plug	FS2611 (SW 6)	FS2609 (SW 4)	FS2610 (SW 5)
	Allen key	ISO2936-6 (SW 6)	ISO2936-4 (SW 4)	ISO2936-5 (SW5)

Cylinder shaft adaptor – vibration damped

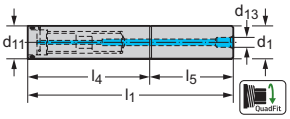
A3001 inch

Accure·tec



– For A2201 intermediate adaptor with QuadFit interface
– With preset vibration damping

Tool



Zylinderschaft

Designation	d_1	d_{11}	l_4 inch	l_5 inch	l_1 inch	d_{13}	lbs
A3001.40-QL64-318	0.079	QL64	12.500	10.000	22.500	G 3/4	0.579
A3001.40-QL64-572	0.079	QL64	22.500	10.000	32.500	G 3/4	0.835
A3001.48-QL76-394	0.118	QL74	15.500	12.000	27.500	G 3/4	1.024
A3001.48-QL76-699	0.118	QL74	27.500	12.000	39.500	G 3/4	1.484
A3001.64-QL100-953	0.157	QL100	37.500	20.000	57.500	G 3/4	3.492

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	QL100	QL64	QL74
	Threaded plug	FS2611 (SW 6)	FS2609 (SW 4)	FS2610 (SW 5)
	Allen key	ISO2936-6 (SW 6)	ISO2936-4 (SW 4)	ISO2936-5 (SW5)

Walter Capto™ Adaptor – vibration damped

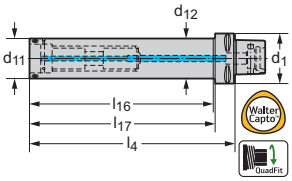
A3001-C mm

Accure·tec



– For A2201 intermediate adaptor with QuadFit interface
– With preset vibration damping

Tool



Walter Capto™ nach ISO 26623

Designation	d_1	d_{12} mm	d_{11}	l_4 mm	l_{16} mm	l_{17} mm	kg
A3001-C6-QL60-301	C6	60	QL60	301	273	276	7.8
A3001-C6-QL60-421	C6	60	QL60	421	393	396	10.6
A3001-C8-QL60-301	C8	60	QL60	301	263	268	8.6
A3001-C8-QL60-421	C8	60	QL60	421	383	388	11.4
A3001-C8-QL60-541	C8	60	QL60	541	503	508	14
A3001-C8-QL80-421	C8	80	QL80	421	383	388	18.8
A3001-C8-QL80-581	C8	80	QL80	581	543	548	25.1

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	QL60	QL80
	Threaded plug	FS2609 (SW 4)	FS2610 (SW 5)
	Allen key	ISO2936-4 (SW 4)	ISO2936-5 (SW5)

HSK-T adaptor – vibration damped

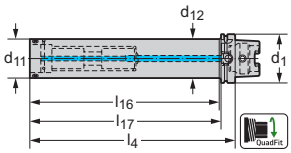
A3001-HSK-T mm

Accure·tec



– For A2201 intermediate adaptor with QuadFit interface
– With preset vibration damping

Tool



HSK DIN 69893-7

Designation	d_1	d_{12} mm	d_{11}	l_4 mm	l_{16} mm	l_{17} mm	kg
A3001-H100T-QL60-301	100	60	QL60	301	267	272	8.9
A3001-H100T-QL60-421	100	60	QL60	421	387	392	11.8
A3001-H100T-QL60-541	100	60	QL60	541	507	512	14.5
A3001-H100T-QL80-421	100	80	QL80	421	387	392	19.4
A3001-H100T-QL80-581	100	80	QL80	581	547	552	26.2

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	QL60	QL80
	Threaded plug	FS2609 (SW 4)	FS2610 (SW 5)
	Allen key	ISO2936-4 (SW 4)	ISO2936-5 (SW5)

QuadFit Large Intermediate adaptors

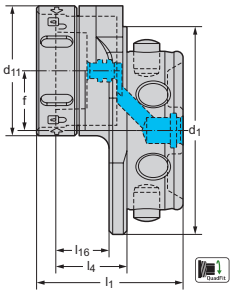
A2201 mm

Accure·tec



– QuadFit
– For A3001 Accure·tec boring bars

Tool



QuadFit

Designation	d_{11}	d_1	f mm	l_1 mm	l_4 mm	l_{16} mm	kg
A2201-QL60-05-27-Q50	Q50	QL60	5	50.4	27	21.5	0.6
A2201-QL60-10-27-Q50	Q50	QL60	10	50.4	27	21.5	0.6
A2201-QL80-15-27-Q50	Q50	QL80	15	56.4	27	21.5	0.9
A2201-QL80-23-27-Q50	Q50	QL80	23	56.4	27	21.5	0.9
A2201-QL100-28-29-Q50	Q50	QL100	28	61.4	29	21.5	1.5
A2201-QL100-38-29-Q50	Q50	QL100	38	61.4	29	21.5	1.5

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	Q50
	Hook wrench	SD9000-Q50 (1)

QuadFit Large Intermediate adaptors

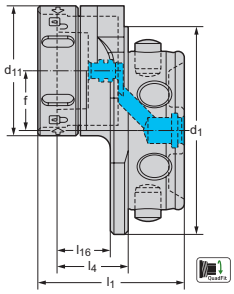
A2201 inch

Accure·tec



– QuadFit
– For A3001 Accure·tec boring bars

Tool



QuadFit

Designation	d_{11}	d_1	f inch	l_1 inch	l_4 inch	l_{16} inch
A2201.QL64-07-27-Q50	Q50	QL64	0.266	1.988	1.063	0.846
A2201.QL64-12-27-Q50	Q50	QL64	0.463	1.988	1.063	0.846
A2201.QL76-13-27-Q50	Q50	QL76	0.516	2.228	1.063	0.846
A2201.QL76-21-27-Q50	Q50	QL76	0.831	2.228	1.063	0.846

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d_{11}	Q50
	Hook wrench	SD9000-Q50 (1)

Accessories

	d_{11}	Q50
	Torque wrench with hook	SD4000-Q50-55 (1)
	Hook for torque wrench	SD6000-Q50 (1)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A – Turning

A2: Grooving

		Page
Cutting inserts	Product range overview	
	Cutting inserts	338
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	Cutting inserts	344
Shank tools	Product range overview	
	Shank tools/parting blades/boring bars	368
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	Shank tools/parting blades/boring bars	382
	Walter Capto™ groove turning holders	484
	Shank tools/parting blades/boring bars	496
	QuadFit exchangeable head	506

A2

Cutting inserts

System	MX				
Machining	**Medium feed**	**Low feed**		**Medium feed**	
					
Geometry	**CF5**	**GD8**	**VG8**	**RF5**	**A60**
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●	●●	●●	●●
K Cast iron	●	●	●	●	●
N NF metals	●●	●	●●	●	●
S Materials with difficult cutting properties	●●	●	●●	●●	●●
H Hard materials					
O Other	●				
Insert width s [mm]	0.8–5.56	0.5–3.25	2.8	1.57–5.0	
s [in]	0.032 – 0.219	0.020 – 0.128	0.110	0.062 – 0.197	
a_p [mm]					
a_p [inch]					
f [mm]	0.02–0.28	0.02–0.15	0.05–0.12	0.04–0.25	
f [inch]	0.001 – 0.011	0.001 – 0.006	0.002 – 0.005	0.002 – 0.010	
Page in catalog	A 346	A 344	A 345	A 348	A 348
QR code					
www.walter-tools.com/woc/	CF5	GD8	VG8	RF5	A60

System	MX	DX			
Machining		**Low feed**		**Medium feed**	**High feed**
					
Geometry	**AG60**	**CK8**	**CF6**	**CF5**	**CE4**
P Steel	●●		●●	●●	●●
M Stainless steel	●●	●	●●	●●	●
K Cast iron	●			●	●●
N NF metals	●	●●	●●	●●	●
S Materials with difficult cutting properties	●●	●	●●	●●	●
H Hard materials					●
O Other			●	●	
Insert width s [mm]		1.5–2.0	1.0–3.0	1.0–3.0	1.2–3.0
s [in]		0.059 – 0.079	0.039 – 0.118	0.039 – 0.118	0.047 – 0.118
a_p [mm]					
a_p [inch]					
f [mm]		0.04–0.12	0.03–0.23	0.03–0.23	0.03–0.33
f [inch]		0.002 – 0.005	0.001 – 0.009	0.001 – 0.009	0.001 – 0.013
Page in catalog	A 348	A 349	A 349	A 349	A 349
QR code					
www.walter-tools.com/woc/	AG60	CK8	CF6	CF5	CE4

WALTER SELECT ●● Primary application ● Other application

Cutting inserts

System	DX				
Machining	**Low feed**	**Medium feed**	**Low feed**		**Medium feed**
					
Geometry	**GD3**	**GD6**	**UF8**	**UF7**	**UF4**
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●	●	●	●	●●
N NF metals	●	●	●●	●	●
S Materials with difficult cutting properties	●	●●	●●	●●	●
H Hard materials					
O Other	●				
Insert width s [mm]	2.0–4.0	2.0–4.0	1.6–4.25	2.0–4.0	2.0–4.0
s [in]	0.079 – 0.158	0.079 – 0.158	0.063 – 0.167	0.079 – 0.158	0.079 – 0.158
a_p [mm]			0.3–2.2	0.3–2.2	0.3–2.8
a_p [inch]			0.012 – 0.087	0.012 – 0.087	0.012 – 0.087
f [mm]	0.04–0.23	0.04–0.25	0.05–0.30	0.05–0.30	0.10–0.33
f [inch]	0.002 – 0.009	0.002 – 0.010	0.002 – 0.012	0.002 – 0.012	0.004 – 0.013
Page in catalog	**A 349**	**A 349**	**A 351**	**A 351**	**A 351**
QR code					
www.walter-tools.com/woc/	GD3	GD6	UF8	UF7	UF4

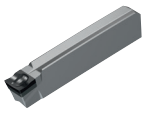
System	DX				
Machining	**High feed**			**Low feed**	
					
Geometry	**UF4**	**UD4**	**UA4**	**RF7**	**RD4**
P Steel	●●	●●		●●	●●
M Stainless steel	●●	●		●●	●
K Cast iron	●●	●●	●●	●	●●
N NF metals	●			●	
S Materials with difficult cutting properties	●			●●	●
H Hard materials			●		
O Other					
Insert width s [mm]	4.0	2.0–4.0	2.0–4.0	2.0–4.0	2.0–3.0
s [in]	0.158	0.079 – 0.158	0.079 – 0.158	0.079 – 0.158	0.079 – 0.118
a_p [mm]	0.5–2.8	0.3–2.8	0.3–2.8	0.1–2.0	0.2–1.5
a_p [inch]	0.020 – 0.110	0.012 – 0.110	0.012 – 0.110	0.004 – 0.079	0.008 – 0.059
f [mm]	0.10–0.33	0.10–0.33	0.08–0.38	0.08–0.48	0.08–0.38
f [inch]	0.004 – 0.013	0.004 – 0.013	0.003 – 0.015	0.003 – 0.019	0.003 – 0.015
Page in catalog	**A 351**	**A 351**	**A 351**	**A 352**	**A 352**
QR code					
www.walter-tools.com/woc/	UF4	UD4	UA4	RF7	RD4

WALTER SELECT ●● Primary application ● Other application

A2

Cutting inserts

System	GX				
Machining	**Low feed**		**Medium feed**	**High feed**	**Low feed**
					
Geometry	**CK8**	**CF6**	**CF5**	**CE4**	**GD8**
P Steel		●●	●●	●●	●●
M Stainless steel	●	●●	●●	●	●
K Cast iron			●	●●	●
N NF metals	●●	●●	●●	●	●
S Materials with difficult cutting properties	●	●●	●●	●	●
H Hard materials				●	
O Other		●	●		
Insert width s [mm]	2.0–4.0	1.5–3.0	2.0–5.0	2.0–6.0	1.0–1.4
s [in]	0.079 – 0.158	0.059 – 0.118	0.079 – 0.197	0.079 – 0.236	0.039 – 0.055
a_p [mm]					
a_p [inch]					
f [mm]	0.04–0.22	0.03–0.20	0.03–0.25	0.04–0.40	0.05–0.10
f [inch]	0.002 – 0.009	0.001 – 0.008	0.001 – 0.010	0.002 – 0.016	0.002 – 0.004
Page in catalog	**A 354**	**A 354**	**A 354**	**A 354**	**A 361**
QR code					
www.walter-tools.com/woc/	CK8	CF6	CF5	CE4	GD8

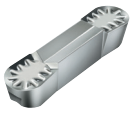
System	GX				
Machining	**Medium feed**			**Low feed**	
					
Geometry	**GD3**	**GD6**	**FS-F1**	**EM-1**	**TM-1**
P Steel	●●	●●			
M Stainless steel	●●	●●			
K Cast iron	●	●			
N NF metals	●	●	●●		
S Materials with difficult cutting properties	●	●●	●	●●	
H Hard materials					●●
O Other	●		●●		
Insert width s [mm]	2.0–6.0	2.0–6.0	2.0–6.0	3.0–6.0	3.0–6.0
s [in]	0.079 – 0.236	0.079 – 0.236	0.079 – 0.236	0.118 – 0.236	0.118 – 0.236
a_p [mm]				0.05–3.0	0.05–3.0
a_p [inch]				0.002 – 0.118	0.002 – 0.118
f [mm]	0.04–0.28	0.04–0.30	0.04–0.28	0.10–0.30	0.02–0.15
f [inch]	0.002 – 0.011	0.002 – 0.012	0.002 – 0.011	0.004 - 0.012	0.001 – 0.006
Page in catalog	**A 354**	**A 354**	**A 360**	**A 353**	**A 353**
QR code					
www.walter-tools.com/woc/	GD3	GD6	FS-F1	EM-1	TM-1

WALTER SELECT ●● Primary application ● Other application

A2

Cutting inserts

System	GX				
Machining	**Low feed**	**Medium feed**		**High feed**	
					
Geometry	**UF8**	**UD6**	**UF4**	**UD4**	**UA4**
P Steel	●●	●	●●	●●	
M Stainless steel	●●	●●	●●	●	
K Cast iron	●		●●	●●	●●
N NF metals	●●	●	●		
S Materials with difficult cutting properties	●●		●		
H Hard materials					●
O Other					
Insert width s [mm]	1.6–6.0	2.0–6.0	2.0–8.0	2.0–8.0	2.0–6.0
s [in]	0.063 – 0.236	0.079 – 0.236	0.079 – 0.315	0.079 – 0.315	0.079 – 0.236
a_p [mm]	0.3–3.2	0.3–3.5	0.3–4.0	0.3–4.0	0.3–3.5
a_p [inch]	0.012 – 0.126	0.012 – 0.138	0.012 – 0.158	0.012 – 0.158	0.012 – 0.138
f [mm]	0.05–0.35	0.06–0.35	0.10–0.55	0.10–0.40	0.08–0.40
f [inch]	0.002 – 0.014	0.002 – 0.014	0.004 – 0.022	0.004 – 0.016	0.003 – 0.016
Page in catalog	**A 356**	**A 356**	**A 356**	**A 356**	**A 356**
QR code					
www.walter-tools.com/woc/	UF8	UD6	UF4	UD4	UA4

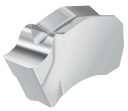
System	GX				
Machining	**Low feed**		**Medium feed**		**High feed**
					
Geometry	**VG7**	**RK8**	**RF8**	**RF7**	**RD4**
P Steel	●●		●●	●●	●●
M Stainless steel	●●		●●	●●	●
K Cast iron	●		●	●	●●
N NF metals	●●	●●	●	●	
S Materials with difficult cutting properties	●●		●●	●●	●
H Hard materials					
O Other		●			
Insert width s [mm]	2.8	6.0	2.0–8.0	3.0–5.0	2.0–8.0
s [in]	0.110	0.236	0.079 – 0.315	0.118 – 0.197	0.079 – 0.315
a_p [mm]	0.2–2.5	0.1–4.0	0.1–4.0	0.1–2.5	0.2–4.0
a_p [inch]	0.008 – 0.098	0.004 – 0.158	0.004 – 0.158	0.004 – 0.098	0.008 – 0.158
f [mm]	0.05–0.25	0.10–0.60	0.05–0.60	0.10–0.53	0.08–0.80
f [inch]	0.002 – 0.010	0.004 – 0.024	0.002 – 0.024	0.004 – 0.021	0.003 – 0.032
Page in catalog	**A 359**	**A 362**	**A 362**	**A 362**	**A 362**
QR code					
www.walter-tools.com/woc/	VG7	RK8	RF8	RF7	RD4

WALTER SELECT ●● Primary application ● Other application

A2

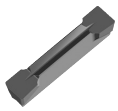
Cutting inserts

System	GX		SX		
Machining	**Medium feed**		**Low feed**		**Medium feed**
					
Geometry	**FS-M1**	**AF5**	**CK8**	**CF6**	**CF5**
P Steel		●●		●●	●●
M Stainless steel		●●	●	●●	●●
K Cast iron		●			●
N NF metals	●●	●	●●	●●	●●
S Materials with difficult cutting properties	●	●	●	●●	●●
H Hard materials					
O Other	●●			●	●
Insert width s [mm]	2.0–6.0	5.0	2.0–5.0	2.0–3.0	1.5–6.0
s [in]	0.079 – 0.236	0.197	0.079 – 0.197	0.079 – 0.118	0.059 – 0.236
a_p [mm]	0.1–3.0	0.5			
a_p [inch]	0.004 – 0.118	0.020			
f [mm]	0.05–0.50	0.15–0.30	0.04–0.25	0.03–0.20	0.03–0.30
f [inch]	0.002 – 0.020	0.006 – 0.012	0.002 – 0.010	0.001 – 0.008	0.001 – 0.012
Page in catalog	**A 360**	**A 362**	**A 364**	**A 364**	**A 364**
QR code					
www.walter-tools.com/woc/	FS-M1	AF5	CK8	CF6	CF5

System	SX				UX
Machining	**High feed**	**Low feed**	**Medium feed**		**High feed**
					
Geometry	**CE4**	**SK8**	**SF5**	**UF4**	**GD2**
P Steel	●●		●●	●●	●●
M Stainless steel	●		●●	●●	
K Cast iron	●●		●	●●	●●
N NF metals	●	●●	●●	●	
S Materials with difficult cutting properties	●	●	●●	●	
H Hard materials	●				
O Other			●		
Insert width s [mm]	1.5–10.0	1.5–5.0	1.5–5.0	8.0	12.0–19.0
s [in]	0.059 – 0.394	0.059 – 0.197	0.059 – 0.197	0.315	0.472 – 0.748
a_p [mm]				0.9–4.0	
a_p [inch]				0.035 – 0.158	
f [mm]	0.03–0.60	0.03–0.25	0.03–0.25	0.18–0.55	0.20–0.60
f [inch]	0.001 – 0.024	0.001 – 0.010	0.001 – 0.010	0.007 – 0.022	0.008 – 0.024
Page in catalog	**A 364**	**A 365**	**A 365**	**A 365**	**A 366**
QR code					
www.walter-tools.com/woc/	CE4	SK8	SF5	UF4	GD2

WALTER SELECT ●● Primary application ● Other application

Cutting inserts

System	GX
Machining	
Geometry	 .X..N
P Steel	
M Stainless steel	
K Cast iron	
N NF metals	
S Materials with difficult cutting properties	
H Hard materials	
O Other	
Insert width s [mm]	4.8–10.3
s [in]	0.189 – 0.406
a_p [mm]	
a_p [inch]	
f [mm]	
f [inch]	
Page in catalog	A 359
QR code	

www.walter-tools.com/woc/

WALTER SELECT

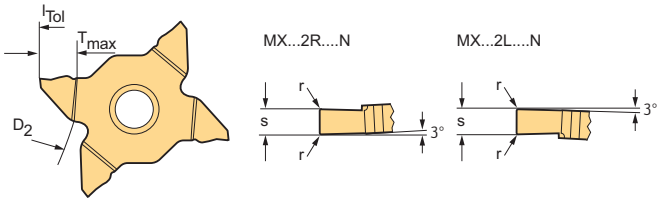
●● Primary application ● Other application

Grooving and parting off 3° – cutting inserts

A2

MX

Tiger·tec® Silver



Cutting inserts

	Designation	s mm	s in	r in	T_{max} in	D_2 in	f in	S_{Tol} in	l_{Tol} in	P HC WSM23S	M HC WSM23S	S HC WSM23S
	MX22-2L150N01-GD8	1.5	0.059	0.004	0.197	5.118	0.001-0.002	±0.0008	±0.0012	☺	☺	☺
	MX22-2L200N02-GD8	2	0.079	0.008	0.197	3.937	0.002-0.004	±0.0008	±0.0012	☺	☺	☺
	MX22-2L300N02-GD8	3	0.118	0.008	0.197	3.937	0.002-0.006	±0.0008	±0.0012	☺	☺	☺
	MX22-2R150N01-GD8	1.5	0.059	0.004	0.197	5.118	0.001-0.002	±0.0008	±0.0012	☺	☺	☺
	MX22-2R200N02-GD8	2	0.079	0.008	0.197	3.937	0.002-0.004	±0.0008	±0.0012	☺	☺	☺
	MX22-2R300N02-GD8	3	0.118	0.008	0.197	3.937	0.002-0.006	±0.0008	±0.0012	☺	☺	☺

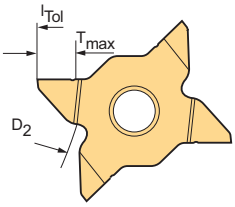
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
HC = Coated carbide
Radius tolerance r_{Tol} = ±0.0002 in (±0.05 mm)
When using the cutting insert MX22-2R... tool G3051...R must be used
When using cutting insert MX22-2L... tool G3051...L must be used
Ordering example for the grade WSM23S: MX22-2L150N01-GD8 WSM23S

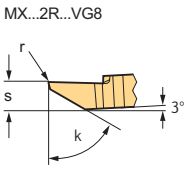
WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

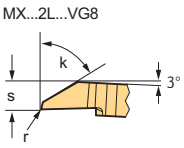
Grooving and recessing 3° – Cutting inserts

MX

Tiger·tec® Silver







Cutting inserts

	Designation	s mm	s in	r in	T_{max} in	D_2 in	f in	S_{Tol} in	l_{Tol} in	P HC WSM23S	M HC WSM23S	S HC WSM23S
	MX22-2L280L01-VG8	2.8	0.110	0.002	0.217	3.937	0.002-0.005	±0.0008	±0.0012	☺	☺	☺
	MX22-2R280R01-VG8	2.8	0.110	0.002	0.217	3.937	0.002-0.005	±0.0008	±0.0012	☺	☺	☺

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.0002 in (±0.05 mm)
Ordering example for the grade WSM23S: MX22-2L280L01-VG8 WSM23S

HC = Coated carbide

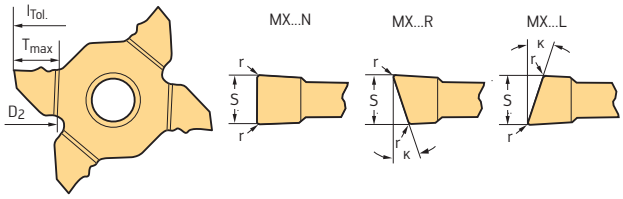
WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Grooving and parting off – cutting inserts

MX

Tiger·tec® Silver



Cutting inserts

	Designation	s mm	s in	r in	T_{max} in	D_2 in	f in	S_{Tol} in	l_{Tol} in	P HC WSM23S	M HC WSM13S	M HC WSM23S	S HC WSM13S	S HC WSM23S
	MX22-2E080N01-CF5	0.8	0.031	0.004	0.063	5.118	0.001-0.002	±0.0008	±0.0012	☺		☺		☺
	MX22-2E100N01-CF5	1	0.039	0.004	0.138	5.118	0.001-0.003	±0.0008	±0.0012	☺	☺	☺	☺	☺
	MX22-2E104N01-CF5	1.04	0.041	0.004	0.079		0.001-0.003	±0.0008	±0.0012	☺		☺		☺
	MX22-2E120N01-CF5	1.2	0.047	0.004	0.079		0.001-0.003	±0.0008	±0.0012	☺		☺		☺
	MX22-2E140N01-CF5	1.4	0.055	0.004	0.079		0.001-0.004	±0.0008	±0.0012	☺		☺		☺
	MX22-2E147N01-CF5	1.47	0.058	0.004	0.098		0.001-0.004	±0.0008	±0.0012	☺		☺		☺
	MX22-2E150N01-CF5	1.5	0.059	0.004	0.197	5.118	0.001-0.004	±0.0008	±0.0012	☺	☺	☺	☺	☺
	MX22-2E157N02-CF5	1.57	0.062	0.008	0.118		0.002-0.005	±0.0008	±0.0012	☺		☺		☺
	MX22-2E170N02-CF5	1.7	0.067	0.008	0.118		0.002-0.005	±0.0008	±0.0012	☺		☺		☺
	MX22-2E185N02-CF5	1.85	0.073	0.008	0.118		0.002-0.005	±0.0008	±0.0012	☺		☺		☺
	MX22-2E196N02-CF5	1.96	0.077	0.008	0.118		0.002-0.005	±0.0008	±0.0012	☺		☺		☺
	MX22-2E200N02-CF5	2	0.079	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺	☺	☺	☺	☺
	MX22-2E224N02-CF5	2.24	0.088	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺		☺		☺
	MX22-2E239N02-CF5	2.39	0.094	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺		☺		☺
	MX22-2E250N02-CF5	2.5	0.098	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺		☺		☺
	MX22-2E275N02-CF5	2.75	0.108	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺		☺		☺
	MX22-2E300N02-CF5	3	0.118	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺	☺	☺	☺	☺
	MX22-2E318N02-CF5	3.18	0.125	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺		☺		☺
	MX22-2E325N02-CF5	3.25	0.128	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺		☺		☺
	MX22-4E400N02-CF5	4	0.157	0.008	0.236	3.937	0.004-0.008	±0.0008	±0.0012	☺		☺		☺
	MX22-4E400N04-CF5	4	0.157	0.016	0.236	3.937	0.004-0.008	±0.0008	±0.0012	☺		☺		☺
	MX22-4E425N02-CF5	4.25	0.167	0.008	0.236	3.937	0.004-0.008	±0.0008	±0.0012	☺		☺		☺
	MX22-4E480N06-CF5	4.8	0.189	0.024	0.236	3.937	0.004-0.010	±0.0008	±0.0012	☺		☺		☺
	MX22-4E500N02-CF5	5	0.197	0.008	0.236	3.937	0.004-0.010	±0.0008	±0.0012	☺		☺		☺
	MX22-4E500N04-CF5	5	0.197	0.016	0.236	3.937	0.004-0.010	±0.0008	±0.0012	☺		☺		☺
	MX22-4E525N02-CF5	5.25	0.207	0.008	0.236	3.937	0.004-0.010	±0.0008	±0.0012	☺		☺		☺
	MX22-4E556N02-CF5	5.56	0.219	0.008	0.236	3.937	0.004-0.011	±0.0008	±0.0012	☺		☺		☺
	MX22-2E080L5-CF5	0.8	0.031	0.002	0.063	5.118	0.001-0.002	±0.0008	±0.0012	☺		☺		☺
	MX22-2E100L10-CF5	1	0.039	0.002	0.138	5.118	0.001-0.002	±0.0008	±0.0012	☺		☺		☺
	MX22-2E150L10-CF5	1.5	0.059	0.002	0.197	5.118	0.001-0.002	±0.0008	±0.0012	☺		☺		☺
	MX22-2E200L6-CF5	2	0.079	0.004	0.236	3.937	0.002-0.005	±0.0008	±0.0012	☺		☺		☺
	MX22-2E100R10-CF5	1	0.039	0.002	0.138	5.118	0.001-0.002	±0.0008	±0.0012	☺		☺		☺
	MX22-2E150R10-CF5	1.5	0.059	0.002	0.197	5.118	0.001-0.002	±0.0008	±0.0012	☺		☺		☺
	MX22-2E200R6-CF5	2	0.079	0.004	0.236	3.937	0.002-0.005	±0.0008	±0.0012	☺		☺		☺

Ordering example for the grade WSM23S: MX22-2E080N01-CF5 WSM23S

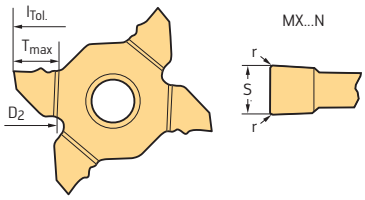
HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Grooving and parting off – cutting inserts

MX

Tiger·tec® Silver



Cutting inserts

	Designation	s mm	s in	r in	T_{max} in	D_2 in	f in	S_{Tol} in	l_{Tol} in	P HC WSM23S	M HC WSM23S	S HC WSM23S
	MX22-2E050N01-GD8	0.5	0.020	0.004	0.098		0.001-0.002	±0.0008	±0.0012	☺	☺	☺
	MX22-2E100N01-GD8	1	0.039	0.004	0.138	5.118	0.001-0.002	±0.0008	±0.0012	☺	☺	☺
	MX22-2E150N01-GD8	1.5	0.059	0.004	0.197	5.118	0.001-0.004	±0.0008	±0.0012	☺	☺	☺
	MX22-2E170N02-GD8	1.7	0.067	0.008	0.118		0.001-0.004	±0.0008	±0.0012	☺	☺	☺
	MX22-2E200N02-GD8	2	0.079	0.008	0.236	3.937	0.002-0.004	±0.0008	±0.0012	☺	☺	☺
	MX22-2E224N02-GD8	2.24	0.088	0.008	0.236	3.937	0.002-0.005	±0.0008	±0.0012	☺	☺	☺
	MX22-2E275N02-GD8	2.75	0.108	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺	☺	☺
	MX22-2E300N02-GD8	3	0.118	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺	☺	☺
	MX22-2E318N02-GD8	3.18	0.125	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺	☺	☺
	MX22-2E325N02-GD8	3.25	0.128	0.008	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺	☺	☺

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
HC = Coated carbide
Radius tolerance r_{Tol} = ±0.0002 in (±0.05 mm)
Ordering example for the grade WSM23S: MX22-2E050N01-GD8 WSM23S

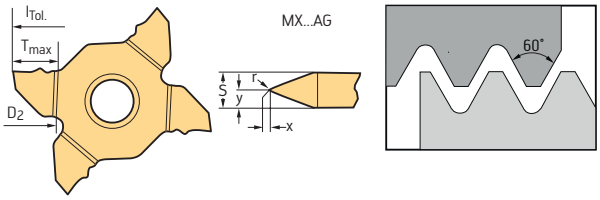
WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

External thread – 60° partial profile – cutting inserts

MX

Tiger·tec® Silver



Indexable inserts

	Designation	P in	Pitch (P) in	X in	Y in	P HC WSM23S	P HC WSM33S	M HC WSM23S	M HC WSM33S	S HC WSM23S	S HC WSM33S
	MX22-2E-EN-A60	0.020-0.059	48–16	0.066	0.002	☺		☺		☺	
	MX22-4E-EN-AG60	0.020-0.118	48–8	0.111	0.003	☺	😐	☺	😐	☺	😐

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.0002 in (±0.05 mm)
Ordering example for the grade WSM23S: MX22-2E-EN-A60 WSM23S

HC = Coated carbide

Grooving and copy turning – cutting inserts

MX

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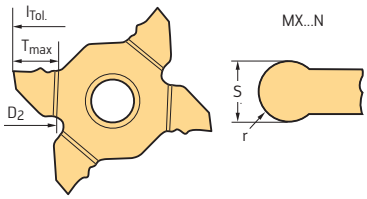


Cutting inserts

	Designation	s mm	s in	r in	T_{max} in	D_2 in	f in	S_{Tol} in	l_{Tol} in	P HC WSM23S	M HC WSM13S	M HC WSM23S	S HC WSM13S	S HC WSM23S
	MX22-2E157N08-RF5	1.57	0.062	0.031	0.118	5.118	0.002-0.005	±0.0008	±0.0012	☺		☺		☺
	MX22-2E200N10-RF5	2	0.079	0.039	0.236	3.937	0.002-0.006	±0.0008	±0.0012	☺	☺	☺	☺	☺
	MX22-2E239N12-RF5	2.39	0.094	0.047	0.236	3.937	0.002-0.007	±0.0008	±0.0012	☺		☺		☺
	MX22-2E300N15-RF5	3	0.118	0.059	0.236	3.937	0.002-0.008	±0.0008	±0.0012	☺	☺	☺	☺	☺
	MX22-2E318N16-RF5	3.18	0.125	0.063	0.236	3.937	0.002-0.008	±0.0008	±0.0012	☺		☺		☺
	MX22-4E400N20-RF5	4	0.157	0.079	0.236	3.937	0.002-0.009	±0.0008	±0.0012	☺		☺		☺
	MX22-4E500N25-RF5	5	0.197	0.098	0.236	3.937	0.002-0.010	±0.0008	±0.0012	☺		☺		☺

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.05 mm
Ordering example for the grade WSM23S: MX22-2E157N08-RF5 WSM23S

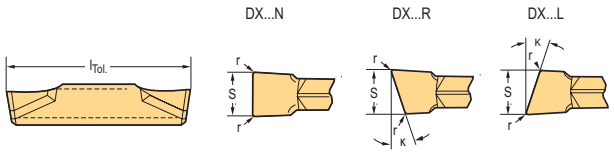
HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

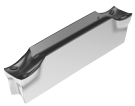
Grooving and parting off – cutting inserts

DX

Tiger·tec® Silver



Cutting inserts

	Designation	s mm	s in	r in	κ	l in	f in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	K HC WKP23S	N HF WN13	S HC WSM23S	S HC WSM33S	S HC WSM43S
	DX18-1E120N01-CE4	1.2	0.047	0.006		0.709	0.002-0.005	±0.0020	±0.0059			😐			😐					😐	
	DX18-1E150N01-CE4	1.5	0.059	0.006		0.709	0.001-0.005	±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-2E200N02-CE4	2	0.079	0.008		0.709	0.002-0.007	±0.0020	±0.0059	😊	😊	😐	😣	😊	😐	😣	😊		😊	😐	😣
	DX18-2E250N02-CE4	2.5	0.098	0.008		0.709	0.003-0.008	±0.0020	±0.0059	😊		😐	😣		😐	😣	😊			😐	😣
	DX18-3E300N02-CE4	3	0.118	0.008		0.709	0.004-0.013	±0.0020	±0.0059	😊	😊	😐	😣	😊	😐	😣	😊		😊	😐	😣
	DX18-2E200N00-CF5	2	0.079	0.000		0.709	0.001-0.005	±0.0020	±0.0059			😐			😐					😐	
	DX18-1E100N01-CF5	1	0.039	0.004		0.709	0.001-0.004	±0.0020	±0.0059			😐			😐					😐	
	DX18-1E150N01-CF5	1.5	0.059	0.006		0.709	0.001-0.005	±0.0020	±0.0059		😊	😐	😣	😊	😐	😣			😊	😐	😣
	DX18-2E200N02-CF5	2	0.079	0.008		0.709	0.002-0.006	±0.0020	±0.0059		😊	😐	😣	😊	😐	😣			😊	😐	😣
	DX18-2E250N02-CF5	2.5	0.098	0.008		0.709	0.002-0.007	±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-3E300N02-CF5	3	0.118	0.008		0.709	0.003-0.009	±0.0020	±0.0059		😊	😐	😣	😊	😐	😣			😊	😐	😣
	DX18-1E100N01-CF6	1	0.039	0.004		0.709	0.001-0.003	±0.0020	±0.0059			😐			😐					😐	
	DX18-1E150N01-CF6	1.5	0.059	0.006		0.709	0.001-0.005	±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-2E200N02-CF6	2	0.079	0.008		0.709	0.001-0.006	±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-2E250N02-CF6	2.5	0.098	0.008		0.709	0.001-0.007	±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-3E300N02-CF6	3	0.118	0.008		0.709	0.002-0.009	±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-2E200N02-GD3	2	0.079	0.008		0.709	0.002-0.006	±0.0020	±0.0059	😊		😐			😐					😐	
	DX18-2E250N02-GD3	2.5	0.098	0.008		0.709	0.002-0.007	±0.0020	±0.0059	😊		😐			😐					😐	
	DX18-3E300N03-GD3	3	0.118	0.012		0.709	0.002-0.008	±0.0020	±0.0059	😊		😐			😐					😐	
	DX18-4E400N04-GD3	4	0.157	0.016		0.728	0.004-0.009	±0.0020	±0.0059	😊		😐			😐					😐	
	DX18-2E200N02-GD6	2	0.079	0.008		0.709	0.002-0.006	±0.0020	±0.0059		😊	😐		😊	😐				😊	😐	
	DX18-2E250N02-GD6	2.5	0.098	0.008		0.709	0.002-0.008	±0.0020	±0.0059		😊	😐		😊	😐				😊	😐	
	DX18-3E300N03-GD6	3	0.118	0.012		0.709	0.003-0.008	±0.0020	±0.0059		😊	😐		😊	😐				😊	😐	
	DX18-4E400N04-GD6	4	0.157	0.016		0.728	0.004-0.01	±0.0020	±0.0059		😊	😐		😊	😐				😊	😐	
	DX18-2E200L6-CE4	2	0.079	0.008	0.236	0.709	0.002-0.005	±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-2E250L6-CE4	2.5	0.098	0.008	0.236	0.709	0.002-0.006	±0.0020	±0.0059			😐			😐					😐	
	DX18-3E300L6-CE4	3	0.118	0.008	0.236	0.709	0.004-0.011	±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-2E200L6-CF5	2	0.079	0.008	0.236	0.709		±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-2E250L6-CF5	2.5	0.098	0.008	0.236	0.709		±0.0020	±0.0059			😐			😐					😐	
	DX18-3E300L6-CF5	3	0.118	0.008	0.236	0.709		±0.0020	±0.0059			😐			😐					😐	
	DX18-2E200L7-CF5	2	0.079		0.276	0.709		±0.0020	±0.0059		😊	😐		😊	😐				😊	😐	
	DX18-3E300L7-CF5	3	0.118		0.276	0.740		±0.0020	±0.0059			😐			😐					😐	
	DX18-1E150L10-CF5	1.5	0.059		0.394	0.709		±0.0020	±0.0059			😐			😐					😐	
	DX18-2E200L15-CF5	2	0.079		0.591	0.709		±0.0020	±0.0059			😐			😐					😐	
	DX18-3E300L15-CF5	3	0.118		0.591	0.740		±0.0020	±0.0059			😐			😐					😐	
	DX18-2E200L6-CF6	2	0.079	0.008	0.236	0.709	0.001-0.005	±0.0020	±0.0059			😐	😣		😐	😣				😐	😣
	DX18-2E250L6-CF6	2.5	0.098	0.008	0.236	0.709	0.001-0.006	±0.0020	±0.0059			😐			😐					😐	
	DX18-3E300L6-CF6	3	0.118	0.008	0.236	0.709	0.002-0.007	±0.0020	±0.0059			😐			😐					😐	
	DX18-1E150L10-CF6	1.5	0.059		0.394	0.709	0.001-0.004	±0.0020	±0.0059			😐			😐					😐	
	DX18-2E200L15-CF6	2	0.079		0.591	0.720	0.001-0.005	±0.0020	±0.0059			😐			😐					😐	
	DX18-2E200L7-CK8	2	0.079		0.276	0.709	0.002-0.004	±0.0020	±0.0059									😊			

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WSM33S: DX18-1E120N01-CE4 WSM33S

HC = Coated carbide
HF = Uncoated fine-grained carbide

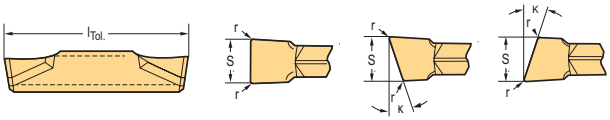
WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = 😣 machining conditions

A2

Grooving and parting off – cutting inserts

DX

Tiger·tec® Silver



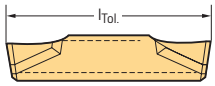
Cutting inserts

	Designation	s mm	s in	r in	κ	l in	f in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	K HC WKP23S	N HF WN13	S HC WSM23S	S HC WSM33S	S HC WSM43S
	DX18-1E150N01-CK8	1.5	0.059	0.006		0.709	0.002-0.004	±0.0020	±0.0059									☺			
	DX18-2E200N02-CK8	2	0.079	0.008		0.709	0.002-0.005	±0.0020	±0.0059									☺			
	DX18-2E200R6-CE4	2	0.079	0.008	0.236	0.709	0.002-0.005	±0.0020	±0.0059			☺	☹		☺	☹				☺	☹
	DX18-2E250R6-CE4	2.5	0.098	0.008	0.236	0.709	0.002-0.006	±0.0020	±0.0059			☺			☺					☺	
	DX18-3E300R6-CE4	3	0.118	0.008	0.236	0.709	0.004-0.011	±0.0020	±0.0059			☺	☹		☺	☹				☺	☹
	DX18-2E200R6-CF5	2	0.079	0.008	0.236	0.709	0.001-0.005	±0.0020	±0.0059			☺	☹		☺	☹				☺	☹
	DX18-2E250R6-CF5	2.5	0.098	0.008	0.236	0.709	0.001-0.006	±0.0020	±0.0059			☺			☺					☺	
	DX18-3E300R6-CF5	3	0.118	0.008	0.236	0.709	0.002-0.007	±0.0020	±0.0059			☺			☺					☺	
	DX18-2E200R7-CF5	2	0.079	0.000	0.276	0.709	0.001-0.005	±0.0020	±0.0059		☻	☺		☻	☺				☻	☺	
	DX18-3E300R7-CF5	3	0.118	0.000	0.276	0.740	0.002-0.006	±0.0020	±0.0059			☺			☺					☺	
	DX18-1E150R10-CF5	1.5	0.059	0.000	0.394	0.709	0.001-0.002	±0.0020	±0.0059			☺			☺					☺	
	DX18-2E200R15-CF5	2	0.079	0.000	0.591	0.709	0.001-0.005	±0.0020	±0.0059			☺			☺					☺	
	DX18-3E300R15-CF5	3	0.118	0.000	0.591	0.740	0.002-0.006	±0.0020	±0.0059			☺			☺					☺	
	DX18-2E200R6-CF6	2	0.079	0.008	0.236	0.709	0.001-0.005	±0.0020	±0.0059			☺	☹		☺	☹				☺	☹
	DX18-2E250R6-CF6	2.5	0.098	0.008	0.236	0.709	0.001-0.006	±0.0020	±0.0059			☺			☺					☺	
	DX18-3E300R6-CF6	3	0.118	0.008	0.236	0.709	0.002-0.007	±0.0020	±0.0059			☺			☺					☺	
	DX18-1E150R10-CF6	1.5	0.059	0.000	0.394	0.709	0.001-0.004	±0.0020	±0.0059			☺			☺					☺	
	DX18-2E200R15-CF6	2	0.079	0.000	0.591	0.720	0.001-0.005	±0.0020	±0.0059			☺			☺					☺	
	DX18-2E200R7-CK8	2	0.079	0.000	0.276	0.709	0.002-0.004	±0.0020	±0.0059									☺			
	DX18-3F300N02-CE4	3	0.118	0.008		0.709	0.004-0.013	±0.0020	±0.0059			☺			☺					☺	
	DX18-3F300N02-CF5	3	0.118	0.008		0.709	0.003-0.009	±0.0020	±0.0059			☺			☺					☺	

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WSM33S: DX18-1E120N01-CE4 WSM33S

HC = Coated carbide
HF = Uncoated fine-grained carbide

Grooving and recessing – cutting inserts
DX
Tiger·tec® Silver



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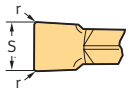


Cutting inserts

	Designation	s mm	s in	r in	l in	f in	a_p in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	K HC WKP13S	K HC WKP23S	K HC WKP33S	S HC WSM23S	S HC WSM33S	S HC WSM43S
	DX18-2E200N02-UF7	2	0.079	0.008	0.709	0.002-0.009	0.012-0.047	±0.0020	±0.0059		😊	😐		😊	😐					😊	😐	
	DX18-3E300N02-UF7	3	0.118	0.008	0.709	0.003-0.009	0.016-0.059	±0.0020	±0.0059		😊	😐		😊	😐					😊	😐	
	DX18-4E400N02-UF7	4	0.157	0.008	0.709	0.004-0.012	0.012-0.087	±0.0020	±0.0059		😊			😊						😊		
	DX18-1E160N01-UF8	1.6	0.063	0.004	0.709	0.002-0.007	0.012-0.039	±0.0008	±0.0059		😊			😊						😊		
	DX18-1E170N01-UF8	1.7	0.067	0.004	0.709	0.002-0.007	0.012-0.039	±0.0008	±0.0059		😊			😊						😊		
	DX18-1E185N01-UF8	1.85	0.073	0.004	0.709	0.002-0.009	0.012-0.039	±0.0008	±0.0059		😊			😊						😊		
	DX18-1E196N01-UF8	1.96	0.077	0.004	0.709	0.002-0.009	0.012-0.047	±0.0008	±0.0059		😊			😊						😊		
	DX18-2E225N01-UF8	2.25	0.089	0.004	0.709	0.002-0.009	0.012-0.051	±0.0008	±0.0059		😊			😊						😊		
	DX18-2E275N01-UF8	2.75	0.108	0.004	0.709	0.002-0.009	0.012-0.051	±0.0008	±0.0059		😊			😊						😊		
	DX18-3E318N02-UF8	3.18	0.125	0.008	0.709	0.003-0.009	0.016-0.059	±0.0008	±0.0059		😊			😊						😊		
	DX18-3E325N01-UF8	3.25	0.128	0.004	0.709	0.003-0.009	0.016-0.063	±0.0008	±0.0059		😊			😊						😊		
	DX18-4E400N04-UF8	4	0.157	0.016	0.709	0.004-0.012	0.020-0.087	±0.0008	±0.0059		😊			😊						😊		
	DX18-4E425N02-UF8	4.25	0.167	0.008	0.709	0.004-0.012	0.020-0.087	±0.0008	±0.0059		😊			😊						😊		
	DX18-2E200N02-UA4	2	0.079	0.008	0.709	0.003-0.007	0.012-0.047	±0.0020	±0.0059								😊					
	DX18-3E300N03-UA4	3	0.118	0.012	0.709	0.004-0.010	0.016-0.079	±0.0020	±0.0059								😊		😞			
	DX18-4E400N04-UA4	4	0.157	0.016	0.728	0.004-0.015	0.020-0.110	±0.0020	±0.0059								😊		😞			
	DX18-4E400N08-UA4	4	0.157	0.031	0.728	0.004-0.015	0.035-0.110	±0.0020	±0.0059								😊		😞			
	DX18-2E200N02-UD4	2	0.079	0.008	0.709	0.004-0.007	0.012-0.047	±0.0020	±0.0059	😐		😐			😐						😐	
	DX18-3E300N03-UD4	3	0.118	0.012	0.709	0.004-0.009	0.016-0.079	±0.0020	±0.0059	😐		😐			😐						😐	
	DX18-4E400N04-UD4	4	0.157	0.016	0.728	0.004-0.013	0.020-0.110	±0.0020	±0.0059	😐		😐			😐						😐	
	DX18-4E400N08-UD4	4	0.157	0.031	0.728	0.004-0.013	0.035-0.110	±0.0020	±0.0059	😐		😐			😐						😐	
	DX18-2E200N02-UF4	2	0.079	0.008	0.709	0.004-0.007	0.012-0.047	±0.0020	±0.0059	😊	😊	😐	😞	😊	😐	😞		😊		😊	😐	😞
	DX18-2E250N02-UF4	2.5	0.098	0.008	0.709	0.004-0.008	0.012-0.051	±0.0020	±0.0059	😊	😊	😐		😊	😐			😊		😊	😐	
	DX18-3E300N03-UF4	3	0.118	0.012	0.709	0.004-0.009	0.016-0.079	±0.0020	±0.0059	😊	😊	😐	😞	😊	😐	😞		😊		😊	😐	😞
	DX18-4E400N02-UF4	4	0.157	0.008	0.728	0.004-0.013	0.012-0.110	±0.0020	±0.0059			😐			😐						😐	
	DX18-4E400N04-UF4	4	0.157	0.016	0.728	0.004-0.013	0.020-0.110	±0.0020	±0.0059	😊		😐	😞		😐	😞		😊			😐	😞
	DX18-4E400N08-UF4	4	0.157	0.031	0.728	0.004-0.013	0.035-0.110	±0.0020	±0.0059	😊		😐			😐			😊			😐	
	DX18-4F400N04-UF4	4	0.157	0.016	0.728	0.004-0.013	0.020-0.110	±0.0020	±0.0059			😐			😐						😐	

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WSM23S: DX18-2E200N02-UF7 WSM23S

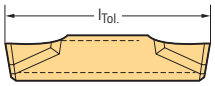
HC = Coated carbide

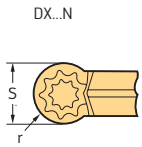
WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Grooving and copy turning – cutting inserts

DX

Tiger·tec® Silver





Cutting inserts

	Designation	s mm	s in	r in	l in	f in	a_p in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM13S	P HC WSM23S	P HC WSM33S	M HC WSM13S	M HC WSM23S	M HC WSM33S	K HC WKP23S	S HC WSM13S	S HC WSM23S	S HC WSM33S
	DX18-2E200N10-RD4	2	0.079	0.039	0.720	0.003-0.011	0.008-0.039	±0.0020	±0.0059	☺			😐			😐	😐			😐
	DX18-3E300N15-RD4	3	0.118	0.059	0.720	0.004-0.015	0.020-0.059	±0.0020	±0.0059			☺	😐		☺	😐			☺	😐
	DX18-2E200N10-RF7	2	0.079	0.039	0.720	0.003-0.010	0.004-0.039	±0.0020	±0.0059		☺	☺		☺	☺			☺	☺	
	DX18-3E300N15-RF7	3	0.118	0.059	0.720	0.004-0.013	0.004-0.059	±0.0020	±0.0059		☺	☺		☺	☺			☺	☺	
	DX18-4E400N20-RF7	4	0.157	0.079	0.728	0.005-0.019	0.004-0.079	±0.0020	±0.0059			☺			☺				☺	

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WKP23S: DX18-2E200N10-RD4 WKP23S

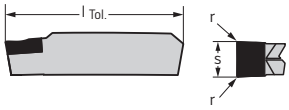
HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

CBN – grooving and parting off

GX



Cutting inserts

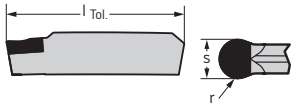
	Designation	s mm	s in	r in	l in	f in	S_{Tol} in	l_{Tol} in	S BH WBS10	H BL WBH20
	GX24-2F300N02EM-1	3	0.118	0.008	0.945	0.004-0.006	±0.0008	±0.0012	😊	
	GX24-3F400N02EM-1	4	0.157	0.008	0.945	0.004-0.008	±0.0008	±0.0012	😊	
	GX24-3F500N04EM-1	5	0.197	0.016	0.945	0.004-0.010	±0.0008	±0.0012	😊	
	GX24-4F600N04EM-1	6	0.236	0.016	0.945	0.004-0.012	±0.0008	±0.0012	😊	
	GX24-2F300N02TM-1	3	0.118	0.008	0.945	0.001-0.004	±0.0008	±0.0012		😐
	GX24-3F400N02TM-1	4	0.157	0.008	0.945	0.001-0.005	±0.0008	±0.0012		😐
	GX24-3F500N04TM-1	5	0.197	0.016	0.945	0.001-0.006	±0.0008	±0.0012		😐
	GX24-4F600N04TM-1	6	0.236	0.016	0.945	0.001-0.006	±0.0008	±0.0012		😐

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WBS10: GX24-2F300N02EM-1 WBS10

BH = CBN with high CBN content
BL = CBN with low CBN content

CBN – grooving and copy turning

GX



Cutting inserts

	Designation	s mm	s in	r in	l in	f in	S_{Tol} in	l_{Tol} in	S BH WBS10	H BL WBH20
	GX24-2F300N15EM-1	3	0.118	0.059	0.945	0.004-0.006	±0.0008	±0.0012	😊	
	GX24-3F400N20EM-1	4	0.157	0.079	0.945	0.004-0.008	±0.0008	±0.0012	😊	
	GX24-3F500N25EM-1	5	0.197	0.098	0.945	0.004-0.010	±0.0008	±0.0012	😊	
	GX24-4F600N30EM-1	6	0.236	0.118	0.945	0.004-0.012	±0.0008	±0.0012	😊	
	GX24-2F300N15TM-1	3	0.118	0.059	0.945	0.001-0.004	±0.0008	±0.0012		😐
	GX24-3F400N20TM-1	4	0.157	0.079	0.945	0.001-0.005	±0.0008	±0.0012		😐
	GX24-3F500N25TM-1	5	0.197	0.098	0.945	0.001-0.006	±0.0008	±0.0012		😐
	GX24-4F600N30TM-1	6	0.236	0.118	0.945	0.001-0.006	±0.0008	±0.0012		😐

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WBS10: GX24-2F300N15EM-1 WBS10

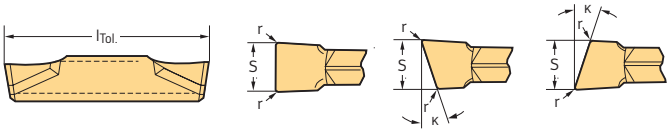
BH = CBN with high CBN content
BL = CBN with low CBN content

WALTER SELECT Optimum indexable insert for ➔ Good = 😊 ➔ Average = 😐 ➔ Poor = ☹ machining conditions

Grooving and parting off – cutting inserts

GX

Tiger·tec® Silver



Cutting inserts

	Designation	s mm	s in	r in	κ	l in	f in	S_{Tol} in	l_{Tol} in	P				M			K	N	S		
											HC				HC		HC	HW		HC	
										WKP23S	WSM23S	WSM33S	WSM43S	WSM23S	WSM33S	WSM43S	WKP23S	WK1	WSM23S	WSM33S	WSM43S
	GX16-1E200N02-CE4	2	0.079	0.008		0.654	0.002-0.006	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX16-1E250N02-CE4	2.5	0.098	0.008		0.654	0.003-0.007	±0.0020	±0.0059			😐	☹		😐	☹				😐	☹
	GX16-2E300N02-CE4	3	0.118	0.008		0.654	0.004-0.012	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX24-1E200N02-CE4	2	0.079	0.008		0.945	0.002-0.006	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX24-1E250N02-CE4	2.5	0.098	0.008		0.945	0.003-0.007	±0.0020	±0.0059	☺		😐			😐		☺			😐	
	GX24-2E300N02-CE4	3	0.118	0.008		0.945	0.004-0.012	±0.0020	±0.0059	☺	☺	😐	☹	☺	😐	☹	☺		☺	😐	☹
	GX24-3E400N03-CE4	4	0.157	0.012		0.945	0.004-0.013	±0.0020	±0.0059	☺	☺	😐	☹	☺	😐	☹	☺		☺	😐	☹
	GX24-3E500N03-CE4	5	0.197	0.012		0.945	0.005-0.014	±0.0020	±0.0059	☺		😐	☹		😐	☹	☺			😐	☹
	GX24-4E600N03-CE4	6	0.236	0.012		0.945	0.005-0.016	±0.0020	±0.0059	☺		😐	☹		😐	☹	☺			😐	☹
	GX34-2E300N03-CE4	3	0.118	0.012		1.339	0.004-0.012	±0.0020	±0.0059	☺		😐	☹		😐	☹	☺			😐	☹
	GX34-3E400N04-CE4	4	0.157	0.016		1.339	0.004-0.013	±0.0020	±0.0059			😐			😐					😐	
	GX16-1E200N02-CF5	2	0.079	0.008		0.654	0.002-0.005	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX16-1E250N02-CF5	2.5	0.098	0.008		0.654	0.002-0.006	±0.0020	±0.0059			😐	☹		😐	☹				😐	☹
	GX16-2E300N02-CF5	3	0.118	0.008		0.654	0.003-0.008	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX24-1E200N02-CF5	2	0.079	0.008		0.945	0.002-0.005	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX24-1E250N02-CF5	2.5	0.098	0.008		0.945	0.002-0.006	±0.0020	±0.0059			😐			😐					😐	
	GX24-2E300N02-CF5	3	0.118	0.008		0.945	0.003-0.008	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX24-3E400N02-CF5	4	0.157	0.008		0.945	0.004-0.009	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX24-3E500N03-CF5	5	0.197	0.012		0.945	0.004-0.010	±0.0020	±0.0059			😐	☹		😐	☹				😐	☹
	GX24-2E300N00-CF5	3	0.118	0.000		0.969	0.002-0.006	±0.0008	±0.0020			😐			😐					😐	
	GX34-2E300N03-CF5	3	0.118	0.012		1.339	0.003-0.008	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX34-3E400N04-CF5	4	0.157	0.016		1.339	0.004-0.009	±0.0020	±0.0059		☺	😐	☹	☺	😐	☹			☺	😐	☹
	GX16-0E150N01-CF6	1.5	0.059	0.006		0.654	0.001-0.004	±0.0008	±0.0020			😐			😐					😐	
	GX16-1E200N02-CF6	2	0.079	0.008		0.654	0.001-0.005	±0.0020	±0.0059			😐	☹		😐	☹				😐	☹
	GX16-1E250N02-CF6	2.5	0.098	0.008		0.654	0.001-0.006	±0.0020	±0.0059			😐			😐					😐	
	GX16-2E300N02-CF6	3	0.118	0.008		0.654	0.002-0.008	±0.0020	±0.0059			😐	☹		😐	☹				😐	☹
	GX24-1E200N02-CF6	2	0.079	0.008		0.945	0.001-0.005	±0.0020	±0.0059			😐			😐					😐	
	GX24-2E300N02-CF6	3	0.118	0.008		0.969	0.002-0.008	±0.0020	±0.0059			😐	☹		😐	☹				😐	☹
	GX16-1E200N02-CK8	2	0.079	0.008		0.654	0.002-0.005	±0.0008	±0.0012									☺			
	GX16-2E300N02-CK8	3	0.118	0.008		0.654	0.003-0.008	±0.0008	±0.0012									☺			
	GX24-2E300N02-CK8	3	0.118	0.008		0.969	0.003-0.008	±0.0008	±0.0012									☺			
	GX24-3E400N02-CK8	4	0.157	0.008		0.969	0.004-0.009	±0.0008	±0.0012									☺			
	GX09-1E200N02-GD3	2	0.079	0.008		0.354	0.002-0.005	±0.0008	±0.0008	☺		😐	☹		😐	☹				😐	☹
	GX09-1E250N02-GD3	2.5	0.098	0.008		0.354	0.002-0.006	±0.0008	±0.0008	☺		😐	☹		😐	☹				😐	☹
	GX09-2E300N03-GD3	3	0.118	0.012		0.354	0.002-0.007	±0.0008	±0.0008	☺		😐	☹		😐	☹				😐	☹
	GX16-1E200N02-GD3	2	0.079	0.008		0.630	0.002-0.005	±0.0008	±0.0008	☺		😐	☹		😐	☹				😐	☹
	GX16-1E250N02-GD3	2.5	0.098	0.008		0.630	0.002-0.006	±0.0008	±0.0008	☺											
	GX16-2E300N03-GD3	3	0.118	0.012		0.630	0.002-0.007	±0.0008	±0.0008	☺		😐			😐					😐	
	GX16-3E400N04-GD3	4	0.157	0.016		0.630	0.004-0.008	±0.0008	±0.0008	☺		😐			😐					😐	
	GX24-2E300N03-GD3	3	0.118	0.012		0.945	0.002-0.007	±0.0020	±0.0059	☺		😐	☹		😐	☹				😐	☹
	GX24-3E400N04-GD3	4	0.157	0.016		0.945	0.004-0.008	±0.0020	±0.0059	☺		😐	☹		😐	☹				😐	☹
	GX24-3E500N04-GD3	5	0.197	0.016		0.945	0.005-0.010	±0.0020	±0.0059	☺		😐			😐					😐	
	GX24-4E600N05-GD3	6	0.236	0.020		0.945	0.006-0.011	±0.0020	±0.0059	☺		😐			😐					😐	

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Parting off with diameters up to 32 mm is possible with GX16 inserts (l = 16.6 mm)
Ordering example for the grade WSM23S: GX16-1E200N02-CE4 WSM23S

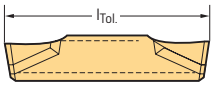
HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Grooving and parting off – cutting inserts

GX

Tiger·tec® Silver



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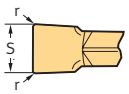

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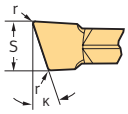
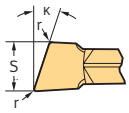


GX...L



Cutting inserts

	Designation	s mm	s in	r in	κ	l in	f in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	K HC WKP23S	N HW WK1	S HC WSM23S	S HC WSM33S	S HC WSM43S
	GX16-1E200N02-GD6	2	0.079	0.008		0.630	0.002-0.005	±0.0020	±0.0059		☺	😐		☺	😐				😐	😐	
	GX16-2E300N03-GD6	3	0.118	0.012		0.630	0.003-0.007	±0.0020	±0.0059			😐			😐					😐	
	GX16-3E400N04-GD6	4	0.157	0.016		0.630	0.004-0.009	±0.0020	±0.0059		☺			☺					😐		
	GX24-2E300N03-GD6	3	0.118	0.012		0.945	0.003-0.007	±0.0020	±0.0059		☺	😐		☺	😐				😐	😐	
	GX24-3E400N04-GD6	4	0.157	0.016		0.945	0.004-0.009	±0.0020	±0.0059		☺	😐		☺	😐				😐	😐	
	GX24-3E500N04-GD6	5	0.197	0.016		0.945	0.005-0.009	±0.0020	±0.0059		☺	😐		☺	😐				😐	😐	
	GX24-4E600N05-GD6	6	0.236	0.020		0.945	0.006-0.012	±0.0020	±0.0059		☺	😐		☺	😐				😐	😐	
	GX34-2E300N03-GD6	3	0.118	0.012		1.339	0.003-0.008	±0.0020	±0.0059			😐			😐					😐	
	GX34-3E400N04-GD6	4	0.157	0.016		1.339	0.004-0.009	±0.0020	±0.0059			😐			😐					😐	
	GX16-2E300L6-CE4	3	0.118	0.008	0.236	0.654	0.004-0.009	±0.0020	±0.0059			😐			😐					😐	
	GX24-2E300L6-CE4	3	0.118	0.008	0.236	0.969	0.004-0.009	±0.0020	±0.0059	☺		😐	😵		😐	😵	☺			😐	😵
	GX24-3E400L6-CE4	4	0.157	0.008	0.236	0.969	0.004-0.010	±0.0020	±0.0059			😐			😐					😐	
	GX34-2E300L6-CE4	3	0.118	0.012	0.236	1.339	0.004-0.009	±0.0020	±0.0059			😐			😐					😐	
	GX24-2E300L6-CF5	3	0.118	0.008	0.236	0.969	0.002-0.006	±0.0020	±0.0059			😐	😵		😐	😵				😐	😵
	GX24-3E400L6-CF5	4	0.157	0.008	0.236	0.969	0.004-0.007	±0.0020	±0.0059			😐			😐					😐	
	GX34-2E300L6-CF5	3	0.118	0.012	0.236	1.339	0.002-0.006	±0.0020	±0.0059			😐			😐					😐	
	GX24-2E300L6-CF6	3	0.118	0.008	0.236	0.969	0.002-0.006	±0.0020	±0.0059			😐			😐					😐	
	GX16-1E200R6-CE4	2	0.079	0.008	0.236	0.654	0.002-0.004	±0.0020	±0.0059			😐			😐					😐	
	GX16-1E250R6-CE4	2.5	0.098	0.008	0.236	0.654	0.002-0.005	±0.0020	±0.0059			😐			😐					😐	
	GX16-2E300R6-CE4	3	0.118	0.008	0.236	0.654	0.004-0.009	±0.0020	±0.0059			😐			😐					😐	
	GX24-2E300R6-CE4	3	0.118	0.008	0.236	0.969	0.004-0.009	±0.0020	±0.0059	☺		😐	😵		😐	😵	☺			😐	😵
	GX24-3E400R6-CE4	4	0.157	0.008	0.236	0.969	0.004-0.010	±0.0020	±0.0059			😐			😐					😐	
	GX34-2E300R6-CE4	3	0.118	0.012	0.236	1.339	0.004-0.009	±0.0020	±0.0059			😐			😐					😐	
	GX16-1E200R7-CF5	2	0.079	0.000	0.276	0.646	0.001-0.004	±0.0020	±0.0059			😐			😐					😐	
	GX16-1E200R15-CF5	2	0.079	0.000	0.591	0.646	0.001-0.004	±0.0020	±0.0059			😐			😐					😐	
	GX16-1E200R6-CF5	2	0.079	0.008	0.236	0.654	0.001-0.004	±0.0020	±0.0059			😐	😵		😐	😵				😐	😵
	GX16-1E250R6-CF5	2.5	0.098	0.008	0.236	0.654	0.001-0.005	±0.0020	±0.0059			😐			😐					😐	
	GX16-2E300R6-CF5	3	0.118	0.008	0.236	0.654	0.002-0.006	±0.0020	±0.0059			😐			😐					😐	
	GX16-2E300R15-CF5	3	0.118	0.000	0.591	0.654	0.002-0.005	±0.0020	±0.0059			😐			😐					😐	
	GX24-2E300R6-CF5	3	0.118	0.008	0.236	0.969	0.002-0.006	±0.0020	±0.0059			😐	😵		😐	😵				😐	😵
	GX24-3E400R6-CF5	4	0.157	0.008	0.236	0.969	0.004-0.007	±0.0020	±0.0059			😐			😐					😐	
	GX34-2E300R6-CF5	3	0.118	0.012	0.236	1.339	0.002-0.006	±0.0020	±0.0059			😐			😐					😐	
	GX16-1E200R15-CF6	2	0.079	0.000	0.591	0.638	0.001-0.004	±0.0020	±0.0059			😐			😐					😐	
	GX16-2E300R15-CF6	3	0.118	0.000	0.591	0.638	0.002-0.005	±0.0020	±0.0059			😐			😐					😐	
	GX16-1E200R6-CF6	2	0.079	0.008	0.236	0.654	0.001-0.004	±0.0020	±0.0059			😐			😐					😐	
	GX16-1E250R6-CF6	2.5	0.098	0.008	0.236	0.654	0.001-0.005	±0.0020	±0.0059			😐			😐					😐	
	GX16-2E300R6-CF6	3	0.118	0.008	0.236	0.654	0.002-0.006	±0.0020	±0.0059			😐			😐					😐	
	GX16-0E150R10-CF6	1.5	0.059	0.006	0.394	0.654	0.001-0.004	±0.0020	±0.0020			😐			😐					😐	
	GX24-2E300R6-CF6	3	0.118	0.008	0.236	0.969	0.002-0.006	±0.0020	±0.0059			😐	😵		😐	😵				😐	😵

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Parting off with diameters up to 32 mm is possible with GX16 inserts (l = 16.6 mm)
Ordering example for the grade WSM23S: GX16-1E200N02-CE4 WSM23S

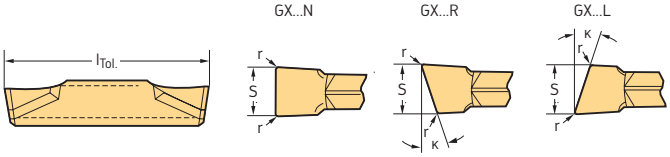
HC = Coated carbide
HW = Uncoated carbide

A2

Grooving and parting off – cutting inserts

GX

Tiger·tec® Silver



Cutting inserts

	Designation	s mm	s in	r in	κ	l in	f in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	K HC WKP23S	N HW WK1	S HC WSM23S	S HC WSM33S	S HC WSM43S
	GX24-2F300N02-CE4	3	0.118	0.008		0.945	0.004-0.012	±0.0020	±0.0059			😐	☹		😐	☹				😐	☹
	GX24-3F400N03-CE4	4	0.157	0.012		0.945	0.004-0.013	±0.0020	±0.0059			😐	☹		😐	☹				😐	☹
	GX24-2F300N02-CF5	3	0.118	0.008		0.933	0.003-0.008	±0.0020	±0.0059			😐	☹		😐	☹				😐	☹
	GX24-3F400N02-CF5	4	0.157	0.008		0.933	0.004-0.009	±0.0020	±0.0059			😐			😐					😐	
	GX24-3F500N03-CF5	5	0.197	0.012		0.933	0.004-0.010	±0.0020	±0.0059			😐			😐					😐	

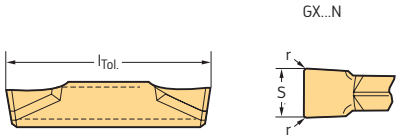
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Parting off with diameters up to 32 mm is possible with GX16 inserts (l = 16.6 mm)
Ordering example for the grade WSM23S: GX16-1E200N02-CE4 WSM23S

HC = Coated carbide
HW = Uncoated carbide

Grooving and recessing – cutting inserts

GX

Tiger·tec® Silver



Cutting inserts

	Designation	s mm	s in	r in	l in	f in	a_p in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WKP33S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	K HC WKP13S	K HC WKP23S	K HC WKP33S	S HC WSM23S	S HC WSM33S	S HC WSM43S
	GX16-1E200N02-UA4	2	0.079	0.008	0.630	0.003-0.006	0.012-0.047	±0.0020	±0.0059									😐					
	GX16-2E300N03-UA4	3	0.118	0.012	0.630	0.004-0.009	0.016-0.079	±0.0020	±0.0059									😐		☹			
	GX16-3E400N04-UA4	4	0.157	0.016	0.630	0.004-0.014	0.020-0.110	±0.0020	±0.0059									😐		☹			
	GX24-2E300N03-UA4	3	0.118	0.012	0.945	0.004-0.009	0.016-0.079	±0.0020	±0.0059									😐		☹			
	GX24-3E400N04-UA4	4	0.157	0.016	0.945	0.004-0.014	0.020-0.110	±0.0020	±0.0059									😐		☹			
	GX24-3E500N04-UA4	5	0.197	0.016	0.945	0.005-0.014	0.020-0.118	±0.0020	±0.0059									😐		☹			
	GX24-4E600N05-UA4	6	0.236	0.020	0.945	0.006-0.016	0.024-0.138	±0.0020	±0.0059									😐		☹			

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WKP13S: GX16-1E200N02-UA4 WKP13S

HC = Coated carbide

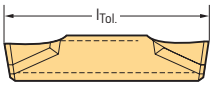
WALTER SELECT Optimum indexable insert for → Good = 😐 → Average = 😐 → Poor = ☹ machining conditions

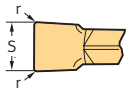
Grooving and recessing – cutting inserts

GX

Tiger·tec® Silver

GX...N





Cutting inserts

	Designation	s mm	s in	r in	l in	f in	a_p in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WKP33S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	K HC WKP13S	K HC WKP23S	K HC WKP33S	S HC WSM23S	S HC WSM33S	S HC WSM43S
	GX16-1E200N02-UD4	2	0.079	0.008	0.630	0.004-0.006	0.012-0.047	±0.0020	±0.0059	●			●			●						●	
	GX16-2E300N03-UD4	3	0.118	0.012	0.630	0.004-0.008	0.016-0.079	±0.0020	±0.0059	●			●			●						●	
	GX16-3E400N04-UD4	4	0.157	0.016	0.630	0.004-0.012	0.020-0.110	±0.0020	±0.0059	●			●			●						●	
	GX24-2E300N03-UD4	3	0.118	0.012	0.945	0.004-0.008	0.016-0.079	±0.0020	±0.0059	●	●		●			●				●		●	
	GX24-2E318N03-UD4	3.18	0.125	0.012	0.945	0.004-0.008	0.016-0.079	±0.0020	±0.0059	●													
	GX24-3E400N04-UD4	4	0.157	0.016	0.945	0.004-0.012	0.020-0.110	±0.0020	±0.0059	●	●		●			●				●		●	
	GX24-3E400N08-UD4	4	0.157	0.031	0.945	0.004-0.012	0.035-0.110	±0.0020	±0.0059	●	●		●			●				●		●	
	GX24-3E500N04-UD4	5	0.197	0.016	0.945	0.005-0.014	0.020-0.118	±0.0020	±0.0059	●	●		●			●				●		●	
	GX24-3E500N08-UD4	5	0.197	0.031	0.945	0.005-0.014	0.035-0.118	±0.0020	±0.0059	●	●		●			●				●		●	
	GX24-4E600N05-UD4	6	0.236	0.020	0.945	0.006-0.016	0.024-0.138	±0.0020	±0.0059	●	●		●			●				●		●	
	GX24-4E600N08-UD4	6	0.236	0.031	0.945	0.006-0.016	0.035-0.138	±0.0020	±0.0059	●	●		●			●				●		●	
	GX30-5E800N08-UD4	8	0.315	0.031	1.181	0.006-0.016	0.035-0.157	±0.0020	±0.0059	●	●		●			●				●		●	
	GX30-5E800N12-UD4	8	0.315	0.047	1.181	0.006-0.016	0.051-0.157	±0.0020	±0.0059				●			●						●	
	GX16-1E200N02-UD6	2	0.079	0.008	0.630	0.002-0.006	0.012-0.047	±0.0020	±0.0059				●			●						●	
	GX16-2E300N03-UD6	3	0.118	0.012	0.630	0.004-0.008	0.016-0.079	±0.0020	±0.0059				●			●						●	
	GX24-2E300N03-UD6	3	0.118	0.012	0.945	0.004-0.008	0.016-0.079	±0.0020	±0.0059			●	●		●	●					●	●	
	GX24-3E400N04-UD6	4	0.157	0.016	0.945	0.005-0.010	0.020-0.110	±0.0020	±0.0059			●	●		●	●					●	●	
	GX24-3E500N04-UD6	5	0.197	0.016	0.945	0.005-0.012	0.020-0.118	±0.0020	±0.0059			●	●		●	●					●	●	
	GX24-4E600N05-UD6	6	0.236	0.020	0.945	0.006-0.014	0.024-0.138	±0.0020	±0.0059				●			●						●	
	GX09-1E200N02-UF4	2	0.079	0.008	0.354	0.004-0.006	0.012-0.039	±0.0020	±0.0059				●	✖		●	✖					●	✖
	GX09-2E300N03-UF4	3	0.118	0.012	0.354	0.004-0.008	0.016-0.059	±0.0020	±0.0059				●	✖		●	✖					●	✖
	GX16-1E200N02-UF4	2	0.079	0.008	0.630	0.004-0.006	0.012-0.047	±0.0020	±0.0059	☻		☻	●	✖	☻	●	✖		☻		☻	●	✖
	GX16-1E239N02-UF4	2.39	0.094	0.008	0.630	0.004-0.006	0.012-0.051	±0.0020	±0.0059				●			●						●	
	GX16-1E250N02-UF4	2.5	0.098	0.008	0.630	0.004-0.007	0.012-0.051	±0.0020	±0.0059	☻			●			●			☻			●	
	GX16-2E300N03-UF4	3	0.118	0.012	0.630	0.004-0.008	0.016-0.079	±0.0020	±0.0059	☻		☻	●	✖	☻	●	✖		☻		☻	●	✖
	GX16-3E400N04-UF4	4	0.157	0.016	0.630	0.004-0.012	0.020-0.110	±0.0020	±0.0059	☻			●			●			☻			●	
	GX24-2E300N02-UF4	3	0.118	0.008	0.945	0.004-0.008	0.012-0.079	±0.0020	±0.0059				●			●						●	
	GX24-2E300N03-UF4	3	0.118	0.012	0.945	0.004-0.008	0.016-0.079	±0.0020	±0.0059	☻		☻	●	✖	☻	●	✖		☻		☻	●	✖
	GX24-2E318N03-UF4	3.18	0.125	0.012	0.945	0.004-0.008	0.016-0.079	±0.0020	±0.0059	☻			●	✖		●	✖		☻			●	✖
	GX24-3E400N02-UF4	4	0.157	0.008	0.945	0.004-0.012	0.012-0.110	±0.0020	±0.0059				●			●						●	
	GX24-3E400N04-UF4	4	0.157	0.016	0.945	0.004-0.012	0.020-0.110	±0.0020	±0.0059	☻		☻	●	✖	☻	●	✖		☻		☻	●	✖
	GX24-3E400N08-UF4	4	0.157	0.031	0.945	0.004-0.012	0.035-0.110	±0.0020	±0.0059	☻			●			●			☻			●	
	GX24-3E475N04-UF4	4.75	0.187	0.016	0.945	0.005-0.014	0.020-0.118	±0.0020	±0.0059				●			●						●	
	GX24-3E500N04-UF4	5	0.197	0.016	0.945	0.005-0.014	0.020-0.118	±0.0020	±0.0059	☻		☻	●	✖	☻	●	✖		☻		☻	●	✖
	GX24-3E500N08-UF4	5	0.197	0.031	0.945	0.005-0.014	0.035-0.118	±0.0020	±0.0059	☻			●			●			☻			●	
	GX24-4E600N05-UF4	6	0.236	0.020	0.945	0.006-0.016	0.024-0.138	±0.0020	±0.0059	☻			●	✖		●	✖		☻			●	✖
	GX24-4E600N08-UF4	6	0.236	0.031	0.945	0.006-0.016	0.035-0.138	±0.0020	±0.0059	☻			●			●			☻			●	
	GX24-4E635N05-UF4	6.35	0.250	0.020	0.945	0.006-0.016	0.024-0.138	±0.0020	±0.0059				●			●						●	
	GX30-5E800N08-UF4	8	0.315	0.031	1.181	0.007-0.022	0.035-0.157	±0.0020	±0.0059				●			●						●	

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WKP13S: GX16-1E200N02-UA4 WKP13S

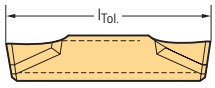
HC = Coated carbide

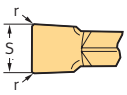
Grooving and recessing – cutting inserts

A2

GX

Tiger·tec® Silver





Cutting inserts

	Designation	s mm	s in	r in	l in	f in	a_p in	S_{Tol} in	l_{Tol} in	P HC					M HC			K HC			S HC		
										WKP23S	WKP33S	WSM23S	WSM33S	WSM43S	WSM23S	WSM33S	WSM43S	WKP13S	WKP23S	WKP33S	WSM23S	WSM33S	WSM43S
	GX09-0E170N01-UF8	1.7	0.067	0.004	0.354	0.002-0.006	0.012-0.031	±0.0008	±0.0012			●			●						●		
	GX09-0E196N01-UF8	1.96	0.077	0.004	0.354	0.002-0.006	0.012-0.031	±0.0008	±0.0012			●			●						●		
	GX09-1E225N01-UF8	2.25	0.089	0.004	0.354	0.002-0.008	0.012-0.039	±0.0008	±0.0012			●			●						●		
	GX09-1E275N01-UF8	2.75	0.108	0.004	0.354	0.002-0.009	0.012-0.051	±0.0008	±0.0012			●			●						●		
	GX09-2E325N01-UF8	3.25	0.128	0.004	0.354	0.003-0.009	0.016-0.059	±0.0008	±0.0012			●			●						●		
	GX16-0E160N01-UF8	1.6	0.063	0.004	0.630	0.002-0.007	0.012-0.039	±0.0008	±0.0012			●			●						●		
	GX16-0E170N01-UF8	1.7	0.067	0.004	0.630	0.002-0.007	0.012-0.039	±0.0008	±0.0012			●			●						●		
	GX16-0E185N01-UF8	1.85	0.073	0.004	0.630	0.002-0.009	0.012-0.039	±0.0008	±0.0012			●			●						●		
	GX16-1E200N02-UF8	2	0.079	0.008	0.630	0.002-0.009	0.012-0.047	±0.0008	±0.0012			●			●						●		
	GX16-1E225N01-UF8	2.25	0.089	0.004	0.630	0.002-0.009	0.012-0.051	±0.0008	±0.0012			●			●						●		
	GX16-1E275N01-UF8	2.75	0.108	0.004	0.630	0.002-0.009	0.012-0.051	±0.0008	±0.0012			●			●						●		
	GX16-2E300N02-UF8	3	0.118	0.008	0.630	0.003-0.009	0.016-0.059	±0.0008	±0.0012			●			●						●		
	GX16-2E318N02-UF8	3.18	0.125	0.008	0.630	0.003-0.009	0.016-0.063	±0.0008	±0.0012			●			●						●		
	GX16-2E325N01-UF8	3.25	0.128	0.004	0.630	0.003-0.009	0.016-0.063	±0.0008	±0.0012			●			●						●		
	GX16-3E400N04-UF8	4	0.157	0.016	0.630	0.004-0.012	0.035-0.087	±0.0008	±0.0012			●			●						●		
	GX16-3E425N02-UF8	4.25	0.167	0.008	0.630	0.004-0.012	0.020-0.087	±0.0008	±0.0012			●			●						●		
	GX24-1E239N02-UF8	2.39	0.094	0.008	0.945	0.002-0.009	0.012-0.051	±0.0008	±0.0012			●			●						●		
	GX24-2E300N02-UF8	3	0.118	0.008	0.945	0.003-0.009	0.016-0.059	±0.0008	±0.0012			●			●						●		
	GX24-2E300N04-UF8	3	0.118	0.016	0.945	0.003-0.009	0.016-0.059	±0.0008	±0.0012			●			●						●		
	GX24-2E318N02-UF8	3.18	0.125	0.008	0.945	0.003-0.009	0.016-0.063	±0.0008	±0.0012			●			●						●		
	GX24-3E400N02-UF8	4	0.157	0.008	0.945	0.004-0.012	0.012-0.087	±0.0008	±0.0012			●			●						●		
	GX24-3E400N04-UF8	4	0.157	0.016	0.945	0.004-0.012	0.020-0.087	±0.0008	±0.0012			●			●						●		
	GX24-3E500N02-UF8	5	0.197	0.008	0.945	0.004-0.014	0.012-0.102	±0.0008	±0.0012			●			●						●		
	GX24-3E500N04-UF8	5	0.197	0.016	0.945	0.004-0.014	0.024-0.102	±0.0008	±0.0012			●			●						●		
	GX24-3E500N08-UF8	5	0.197	0.031	0.945	0.004-0.014	0.035-0.102	±0.0008	±0.0012			●			●						●		
	GX24-4E600N08-UF8	6	0.236	0.031	0.945	0.004-0.014	0.035-0.126	±0.0008	±0.0012			●			●						●		
	GX24-2F300N03-UF4	3	0.118	0.012	0.945	0.004-0.008	0.016-0.079	±0.0020	±0.0059				●			●						●	
	GX24-3F400N04-UF4	4	0.157	0.016	0.945	0.004-0.012	0.020-0.110	±0.0020	±0.0059				●			●						●	
	GX24-3F500N04-UF4	5	0.197	0.016	0.945	0.005-0.014	0.020-0.118	±0.0020	±0.0059				●			●						●	
	GX24-4F600N05-UF4	6	0.236	0.020	0.945	0.006-0.016	0.024-0.138	±0.0020	±0.0059				●			●						●	

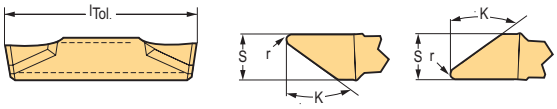
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WKP13S: GX16-1E200N02-UA4 WKP13S

HC = Coated carbide

Grooving and recessing – cutting inserts

GX

Tiger·tec® Silver



Cutting inserts

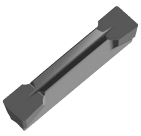
	Designation	s mm	s in	r in	κ	l in	f in	a_p in	S_{Tol} in	l_{Tol} in	P HC WSM23S	P HC WSM33S	M HC WSM23S	M HC WSM33S	S HC WSM23S	S HC WSM33S
	GX24-2E280L02-VG7	2.8	0.110	0.008	1.969	0.945	0.002-0.005	0.008-0.000	±0.0020	±0.0059	☺		☺		☺	
	GX24-2E280R02-VG7	2.8	0.110	0.008	1.969	0.945	0.002-0.005	0.008-0.079	±0.0020	±0.0059	☺	😐	☺	😐	☺	😐
	GX24-2E280R04-VG7	2.8	0.110	0.016	1.969	0.945	0.003-0.010	0.008-0.098	±0.0020	±0.0059	☺	😐	☺	😐	☺	😐

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WSM23S: GX24-2E280L02-VG7 WSM23S

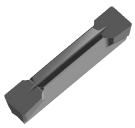
HC = Coated carbide

Semi-finished blanks for special shapes

GX



Cutting inserts

	Designation	s mm	s in	l in	P HW WMG40	M HW WMG40	S HW WMG40
	GX24-2E4.80N	4.8	0.189	0.969	☹	☹	☹
	GX24-3E6.30N	6.3	0.248	0.969	☹	☹	☹
	GX24-4E8.30N	8.3	0.327	0.969	☹	☹	☹
	GX24-5E10.30N	10.3	0.406	0.969	☹	☹	☹

Grade WMG40 has the ISO application ranges P30, M30 and S30
Ordering example for the grade WMG40: GX24-2E4.80N WMG40

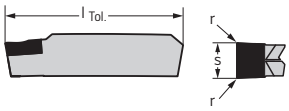
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

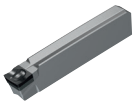
A2

PCD – grooving and parting off

GX



Cutting inserts

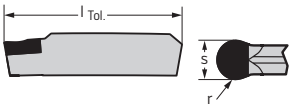
	Designation	s mm	s in	r in	l in	f in	S_{Tol} in	l_{Tol} in	N DP WDN10	O DP WDN10
	GX16-1F200N02FS-F1	2	0.079	0.008	0.630	0.002-0.005	±0.0008	±0.0008	☺	☺
	GX24-2F300N02FS-F1	3	0.118	0.008	0.945	0.002-0.006	±0.0008	±0.0008	☺	☺
	GX24-3F400N02FS-F1	4	0.157	0.008	0.945	0.002-0.009	±0.0008	±0.0008	☺	☺
	GX24-3F500N02FS-F1	5	0.197	0.008	0.945	0.002-0.010	±0.0008	±0.0008	☺	☺
	GX24-4F600N02FS-F1	6	0.236	0.008	0.945	0.002-0.011	±0.0008	±0.0008	☺	☺

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WDN10: GX16-1F200N02FS-F1 WDN10

DP = Polycrystalline diamond

PCD – grooving and copy turning

GX



Cutting inserts

	Designation	s mm	s in	r in	l in	f in	S_{Tol} in	l_{Tol} in	N DP WDN10	O DP WDN10
	GX16-1F200N10FS-M1	2	0.079	0.039	0.630	0.002-0.010	±0.0008	±0.0008	☺	☺
	GX24-2F300N15FS-M1	3	0.118	0.059	0.945	0.002-0.012	±0.0008	±0.0008	☺	☺
	GX24-3F400N20FS-M1	4	0.157	0.079	0.945	0.002-0.014	±0.0008	±0.0008	☺	☺
	GX24-3F500N25FS-M1	5	0.197	0.098	0.945	0.002-0.016	±0.0008	±0.0008	☺	☺
	GX24-4F600N30FS-M1	6	0.236	0.118	0.945	0.002-0.020	±0.0008	±0.0008	☺	☺

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WDN10: GX16-1F200N10FS-M1 WDN10

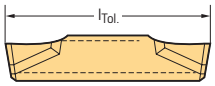
DP = Polycrystalline diamond

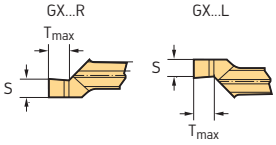
WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Grooving and parting off – cutting inserts

GX

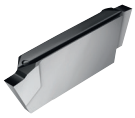
Tiger·tec® Silver





A2

Cutting inserts

	Designation	s mm	s in	r in	T_{max} in	l in	f in	S_{Tol} in	l_{Tol} in	P HC WSM23S	M HC WSM23S	S HC WSM23S
	GX09-1E100L00-GD8	1	0.039	0	0.045	0.354	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX09-1E120L00-GD8	1.2	0.047	0	0.053	0.354	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX09-1E140L00-GD8	1.4	0.055	0	0.060	0.354	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX16-2E100L00-GD8	1	0.039	0	0.045	0.630	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX16-2E120L00-GD8	1.2	0.047	0	0.053	0.630	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX16-2E140L00-GD8	1.4	0.055	0	0.060	0.630	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX09-1E100R00-GD8	1	0.039	0	0.045	0.354	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX09-1E120R00-GD8	1.2	0.047	0	0.053	0.354	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX09-1E140R00-GD8	1.4	0.055	0	0.060	0.354	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX16-2E100R00-GD8	1	0.039	0	0.045	0.630	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX16-2E120R00-GD8	1.2	0.047	0	0.053	0.630	0.002-0.004	±0.0008	±0.0008	☺	☺	☺
	GX16-2E140R00-GD8	1.4	0.055	0	0.060	0.630	0.002-0.004	±0.0008	±0.0008	☺	☺	☺

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WSM23S: GX09-1E100L00-GD8 WSM23S

HC = Coated carbide

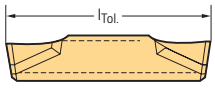
WALTER SELECT Optimum indexable insert for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

A2

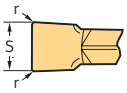
Axial grooving – cutting inserts

GX

Tiger·tec® Silver



GX...N



Cutting inserts

	Designation	s mm	s in	r in	l in	f in	a_p in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM13S	P HC WSM23S	P HC WSM33S	M HC WSM13S	M HC WSM23S	M HC WSM33S	K HC WKP23S	N HW WK1	S HC WSM13S	S HC WSM23S	S HC WSM33S
	GX24-3E500L04-AF5	5	0.197	0.016		0.006-0.012		±0.0020	±0.0059	☺			☹			☹	☺				☹
	GX24-3E500R04-AF5	5	0.197	0.016		0.006-0.012		±0.0020	±0.0059	☺			☹			☹	☺				☹
	GX16-1E200N10-RD4	2	0.079	0.039	0.630	0.003-0.010	0.008-0.039	±0.0020	±0.0059	☺		☺	☹		☺	☹	☹			☺	☹
	GX16-1E239N12-RD4	2.39	0.094	0.047	0.630	0.003-0.010	0.008-0.039	±0.0020	±0.0059				☹			☹					☹
	GX16-2E300N15-RD4	3	0.118	0.059	0.630	0.004-0.014	0.020-0.059	±0.0020	±0.0059			☺	☹		☺	☹				☺	☹
	GX24-2E300N15-RD4	3	0.118	0.059	0.945	0.004-0.014	0.020-0.059	±0.0020	±0.0059	☺			☹			☹	☹				☹
	GX24-2E318N16-RD4	3.18	0.125	0.063	0.945	0.004-0.014	0.020-0.059	±0.0020	±0.0059	☺			☹			☹	☹				☹
	GX24-3E400N20-RD4	4	0.157	0.079	0.945	0.006-0.020	0.020-0.079	±0.0020	±0.0059	☺			☹			☹	☹				☹
	GX24-3E475N24-RD4	4.75	0.187	0.094	0.945	0.007-0.024	0.020-0.091	±0.0020	±0.0059				☹			☹					☹
	GX24-3E500N25-RD4	5	0.197	0.098	0.945	0.007-0.024	0.020-0.098	±0.0020	±0.0059	☺			☹			☹	☹				☹
	GX24-4E600N30-RD4	6	0.236	0.118	0.945	0.007-0.028	0.020-0.118	±0.0020	±0.0059	☺			☹			☹	☹				☹
	GX24-4E635N32-RD4	6.35	0.250	0.125	0.945	0.007-0.028	0.020-0.118	±0.0020	±0.0059				☹			☹					☹
	GX30-5E800N40-RD4	8	0.315	0.157	1.181	0.008-0.031	0.024-0.157	±0.0020	±0.0059	☺			☹			☹	☹				☹
	GX24-2E300N15-RF7	3	0.118	0.059	0.945	0.004-0.013	0.004-0.059	±0.0020	±0.0059		☺	☺		☺	☺				☺	☺	
	GX24-3E400N20-RF7	4	0.157	0.079	0.945	0.005-0.019	0.004-0.079	±0.0020	±0.0059		☺	☺		☺	☺				☺	☺	
	GX24-3E500N25-RF7	5	0.197	0.098	0.945	0.005-0.021	0.004-0.098	±0.0020	±0.0059		☺	☺		☺	☺				☺	☺	
	GX09-1E200N10-RF8	2	0.079	0.039	0.354	0.002-0.007	0.004-0.039	±0.0008	±0.0008			☺			☺					☺	
	GX16-1E200N10-RF8	2	0.079	0.039	0.630	0.003-0.010	0.004-0.039	±0.0020	±0.0020		☺	☺		☺	☺				☺	☺	
	GX16-1E239N12-RF8	2.39	0.094	0.047	0.630	0.003-0.011	0.008-0.047	±0.0008	±0.0008			☺			☺					☺	
	GX16-2E300N15-RF8	3	0.118	0.059	0.630	0.004-0.012	0.004-0.059	±0.0008	±0.0008		☺	☺		☺	☺				☺	☺	
	GX16-3E400N20-RF8	4	0.157	0.079	0.630	0.005-0.018	0.004-0.079	±0.0008	±0.0008			☺			☺					☺	
	GX24-2E300N15-RF8	3	0.118	0.059	0.945	0.004-0.012	0.004-0.059	±0.0008	±0.0008		☺	☺		☺	☺				☺	☺	
	GX24-2E318N16-RF8	3.18	0.125	0.063	0.945	0.004-0.012	0.004-0.059	±0.0008	±0.0008			☺			☺					☺	
	GX24-3E400N20-RF8	4	0.157	0.079	0.945	0.005-0.018	0.004-0.079	±0.0008	±0.0008		☺	☺		☺	☺				☺	☺	
	GX24-3E500N25-RF8	5	0.197	0.098	0.945	0.006-0.020	0.004-0.098	±0.0008	±0.0008		☺	☺		☺	☺				☺	☺	
	GX24-4E600N30-RF8	6	0.236	0.118	0.945	0.006-0.022	0.004-0.118	±0.0008	±0.0008		☺	☺		☺	☺				☺	☺	
	GX30-5E800N40-RF8	8	0.315	0.157	1.181	0.007-0.024	0.008-0.157	±0.0008	±0.0008			☺			☺					☺	
	GX24-3F500L04-AF5	5	0.197	0.016		0.006-0.012		±0.0020	±0.0059				☹			☹					☹
	GX24-3F500N25-RD4	5	0.197	0.098	0.945	0.007-0.024	0.020	±0.0020	±0.0059	☺			☹			☹	☹				☹
	GX24-3F500R04-AF5	5	0.197	0.016		0.006-0.012		±0.0020	±0.0059				☹			☹					☹

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WKP23S: GX24-3E500L04-AF5 WKP23S

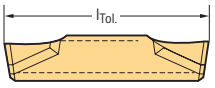
HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for ➔ Good = ☺ ➔ Average = ☹ ➔ Poor = ☹ machining conditions

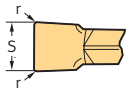
Axial grooving – cutting inserts

GX

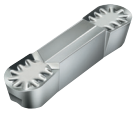
Tiger·tec® Silver



GX...N



Cutting inserts

	Designation	s mm	s in	r in	l in	f in	a_p in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM13S	P HC WSM23S	P HC WSM33S	M HC WSM13S	M HC WSM23S	M HC WSM33S	K HC WKP23S	N HW WK1	S HC WSM13S	S HC WSM23S	S HC WSM33S
	GX24-2F300N15-RF7	3	0.118	0.059	0.945	0.004-0.013	0.004-0.059	±0.0020	±0.0059		☺			☺					☺		
	GX24-3F400N20-RF7	4	0.157	0.079	0.945	0.005-0.019	0.004-0.079	±0.0020	±0.0059		☺			☺					☺		
	GX24-3F500N25-RF7	5	0.197	0.098	0.945	0.005-0.021	0.004-0.098	±0.0020	±0.0059		☺	☺	😐	☺	☺	😐			☺	☺	😐
	GX24-4R300N-RK8	6	0.236	0.118	1.000	0.004-0.024	0.004-0.157	±0.0008	±0.0020									☺			

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WKP23S: GX24-3E500L04-AF5 WKP23S

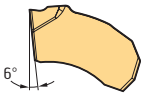
HC = Coated carbide
HW = Uncoated carbide

Grooving and parting off – cutting inserts

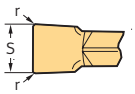
A2

SX

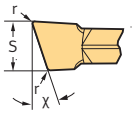
Tiger·tec® Silver



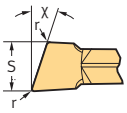
SX...N



SX...R



SX...L



Cutting inserts

	Designation	s mm	s in	r in	κ	f in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	K HC WKP23S	N HW WK1	S HC WSM23S	S HC WSM33S	S HC WSM43S
	SX-1E150N01-CE4	1.5	0.059	0.006		0.001-0.005	±0.002	±0.004			😐			😐					😐	
	SX-2E200N02-CE4	2	0.079	0.008		0.002-0.006	±0.002	±0.004	😊	😊	😐	☹	😊	😐	☹	😊		😊	😐	☹
	SX-3E300N02-CE4	3	0.118	0.008		0.004-0.012	±0.002	±0.004	😊	😊	😐	☹	😊	😐	☹	😊		😊	😐	☹
	SX-4E400N02-CE4	4	0.157	0.008		0.004-0.013	±0.002	±0.004	😊	😊	😐	☹	😊	😐	☹	😊		😊	😐	☹
	SX-2E260N03-CE4	2.6	0.102	0.012		0.002-0.007	±0.002	±0.004		😊	😐		😊	😐				😊	😐	
	SX-3E310N03-CE4	3.1	0.122	0.012		0.004-0.012	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-4E410N03-CE4	4.1	0.161	0.012		0.004-0.013	±0.002	±0.004			😐			😐					😐	
	SX-4E480N03-CE4	4.8	0.189	0.012		0.005-0.014	±0.002	±0.004			😐			😐					😐	
	SX-5E500N04-CE4	5	0.197	0.016		0.005-0.014	±0.002	±0.004	😊		😐	☹		😐	☹	😊			😐	☹
	SX-6E600N04-CE4	6	0.236	0.016		0.005-0.016	±0.002	±0.004	😊		😐	☹		😐	☹	😊			😐	☹
	SX-10E1000N08-CE4	10	0.394	0.031		0.010-0.024	±0.002	±0.004			😐			😐					😐	
	SX-8E800N08-CE4	8	0.315	0.031		0.008-0.022	±0.002	±0.004	😊		😐	☹		😐	☹	😊			😐	☹
	SX-1E150N01-CF5	1.5	0.059	0.006		0.001-0.004	±0.002	±0.004			😐			😐					😐	
	SX-2E200N02-CF5	2	0.079	0.008		0.002-0.005	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-3E300N02-CF5	3	0.118	0.008		0.003-0.008	±0.002	±0.004		😊	😐	☹	😊	😐	☹			😊	😐	☹
	SX-4E400N02-CF5	4	0.157	0.008		0.004-0.009	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-3E310N03-CF5	3.1	0.122	0.012		0.003-0.008	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-5E500N04-CF5	5	0.197	0.016		0.004-0.010	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-6E600N04-CF5	6	0.236	0.016		0.004-0.012	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-2E200N02-CF6	2	0.079	0.008		0.001-0.005	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-3E300N02-CF6	3	0.118	0.008		0.002-0.008	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-2E200N02-CK8	2	0.079	0.008		0.002-0.005	±0.001	±0.002									😊			
	SX-3E300N02-CK8	3	0.118	0.008		0.003-0.008	±0.001	±0.002									😊			
	SX-4E400N02-CK8	4	0.157	0.008		0.004-0.009	±0.001	±0.002									😊			
	SX-5E500N04-CK8	5	0.197	0.016		0.004-0.010	±0.001	±0.002									😊			
	SX-3E300L6-CE4	3	0.118	0.008	0.236	0.004-0.008	±0.002	±0.004	😊		😐			😐		😊			😐	
	SX-4E400L6-CE4	4	0.157	0.008	0.236	0.004-0.009	±0.002	±0.004			😐			😐					😐	
	SX-5E500L6-CE4	5	0.197	0.016	0.236	0.005-0.010	±0.002	±0.004			😐			😐					😐	
	SX-6E600L6-CE4	6	0.236	0.016	0.236	0.005-0.012	±0.002	±0.004			😐			😐					😐	
	SX-2E200L6-CF5	2	0.079	0.008	0.236	0.002-0.004	±0.002	±0.004			😐			😐					😐	
	SX-3E300L6-CF5	3	0.118	0.008	0.236	0.003-0.007	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-4E400L6-CF5	4	0.157	0.008	0.236	0.004-0.008	±0.002	±0.004			😐			😐					😐	
	SX-2E200R6-CE4	2	0.079	0.008	0.236	0.002-0.004	±0.002	±0.004			😐			😐					😐	
	SX-3E300R6-CE4	3	0.118	0.008	0.236	0.004-0.008	±0.002	±0.004	😊		😐	☹		😐	☹	😊			😐	☹
	SX-4E400R6-CE4	4	0.157	0.008	0.236	0.004-0.009	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-5E500R6-CE4	5	0.197	0.016	0.236	0.005-0.010	±0.002	±0.004			😐			😐					😐	
	SX-6E600R6-CE4	6	0.236	0.016	0.236	0.005-0.012	±0.002	±0.004			😐			😐					😐	
	SX-2E200R6-CF5	2	0.079	0.008	0.236	0.002-0.004	±0.002	±0.004			😐			😐					😐	
	SX-3E300R6-CF5	3	0.118	0.008	0.236	0.003-0.007	±0.002	±0.004			😐	☹		😐	☹				😐	☹
	SX-4E400R6-CF5	4	0.157	0.008	0.236	0.004-0.008	±0.002	±0.004			😐			😐					😐	
	SX-3E300R15-CF5	3	0.118		0.591	0.002-0.006	±0.002	±0.004			😐			😐					😐	

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WSM33S: SX-10E1000N08-CE4 WSM33S

HC = Coated carbide
HW = Uncoated carbide

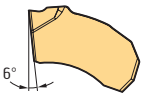
WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

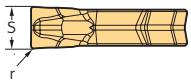
A2

Grooving and recessing – cutting inserts

SX

Tiger·tec® Silver





Cutting inserts

	Designation	s mm	s in	r in	l in	f in	S_{Tol} in	l_{Tol} in	P HC WKP23S	P HC WSM33S	P HC WSM43S	M HC WSM33S	M HC WSM43S	K HC WKP23S	S HC WSM33S	S HC WSM43S
	SX-8E800N08-UF4	8	0.315	0.031	0.685	0.007-0.022	±0.002	±0.004	☺	😐	☹	😐	☹	☺	😐	☹

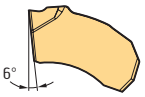
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WKP23S: SX-8E800N08-UF4 WKP23S

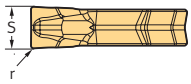
HC = Coated carbide

Slitting – cutting inserts

SX

Tiger·tec® Silver





Cutting inserts

	Designation	s mm	s in	r in	f in	S_{Tol} in	l_{Tol} in	P HC WSM33S	P HC WSM43S	M HC WSM33S	M HC WSM43S	N HW WK1	S HC WSM33S	S HC WSM43S	S HW WK1
	SX-1E150N01-SF5	1.5	0.059	0.006	0.001-0.004	±0.002	±0.004	😐		😐			😐		
	SX-2E200N02-SF5	2	0.079	0.008	0.002-0.006	±0.002	±0.004	😐	☹	😐	☹		😐	☹	
	SX-3E300N02-SF5	3	0.118	0.008	0.003-0.008	±0.002	±0.004	😐	☹	😐	☹		😐	☹	
	SX-4E400N02-SF5	4	0.157	0.008	0.004-0.009	±0.002	±0.004	😐	☹	😐	☹		😐	☹	
	SX-5E500N04-SF5	5	0.197	0.016	0.004-0.010	±0.002	±0.004	😐	☹	😐	☹		😐	☹	
	SX-1E150N01-SK8	1.5	0.059	0.004	0.001-0.003	±0.001	±0.002					😐			😐
	SX-2E200N02-SK8	2	0.079	0.008	0.002-0.004	±0.001	±0.002					😐			😐
	SX-3E300N02-SK8	3	0.118	0.008	0.002-0.006	±0.001	±0.002					😐			😐
	SX-4E400N02-SK8	4	0.157	0.008	0.002-0.008	±0.001	±0.002					😐			😐
	SX-5E500N04-SK8	5	0.197	0.016	0.002-0.010	±0.001	±0.002					😐			😐

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WSM33S: SX-1E150N01-SF5 WSM33S

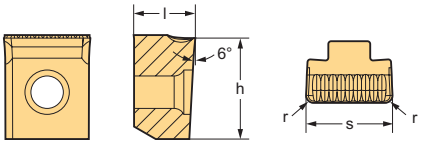
HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT Optimum indexable insert for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

Grooving and parting off – cutting inserts

UX

Tiger·tec® Silver



A2

Cutting inserts

	Designation	s mm	s in	r in	l in	f in	S_{Tol} in	l_{Tol} in	P HC WKP33S	K HC WKP33S
	UX-12E1200N10-GD2	12	0.472	0.039	0.339	0.008-0.016	±0.0080	±0.0040	😐	😐
	UX-19E1900N15-GD2	19	0.748	0.059	0.535	0.010-0.024	±0.0080	±0.0040	😐	😐

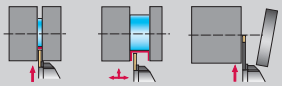
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.002 in (±0.05 mm)
Ordering example for the grade WKP33S: UX-12E1200N10-GD2 WKP33S

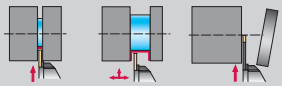
HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

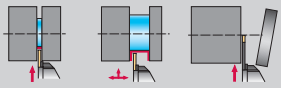
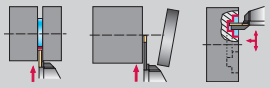
A2

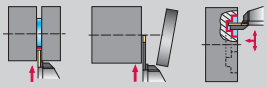
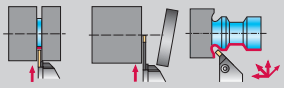
Shank tools/parting blades

System	MX..		
Machining			
			
Designation	**G3011**	**G3011...-P**	**G3021...-P**
Insert width s inch [mm]	0.020 – 0.128 [0.5–3.25]	0.020 – 0.222 [0.5–5.65]	0.020 – 0.222 [0.5–5.65]
Cutting depth T_{max} inch [mm]	0.236 [6]	0.236 [6]	0.236 [6]
Coolant supply	External	Precision cooling	Precision cooling
Shank size h [mm]	10–25	12–25	20–25
Shank size h [Inch]		0.500–1.000	1.000
Page in catalog	A 382	A 384	A 388
QR code			
www.walter-tools.com/woc/	G3011	G3011-P	G3021-P

System	MX..	DX..	
Machining			
			
Designation	**G3051...-P**	**G4014**	**G4014...-P**
Insert width s inch [mm]	0.020 – 0.128 [0.5–3.25]	0.039 – 0.118 [1–3]	0.079 – 0.118 [2–3]
Cutting depth T_{max} inch [mm]	0.236 [6]	0.689 [17.5]	0.689 [17.5]
Coolant supply	Precision cooling	External	Precision cooling
Shank size h [mm]	12–25	10–20	12–20
Shank size h [Inch]	0.625–1.000	0.500–0.625	0.500–0.750
Page in catalog	A 390	A 395	A 401
QR code			
www.walter-tools.com/woc/	G3051-P	G4014	G4014-P

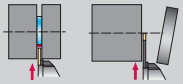
Shank tools/parting blades

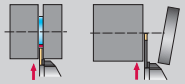
System		DX..	
Machining			
			
Designation	G4011	G4011...-P	G4511
Insert width s inch [mm]	0.079 – 0.158 [2–4]	0.079 – 0.158 [2–4]	0.079 – 0.236 [2–6]
Cutting depth T_{max} inch [mm]	0.669 [17]	0.669 [17]	0.197 [5]
Coolant supply	External	Precision cooling	External
Shank size h [mm]	20–25	20–25	12–25
Shank size h [Inch]	0.750–1.000	1.000	
Page in catalog	A 403	A 409	A 410
QR code			
www.walter-tools.com/woc/	G4011	G4011-P	G4511

System		DX..	
Machining			
			
Designation	G4521	G4551	G4041
Insert width s inch [mm]	0.079 – 0.236 [2–6]	0.079 – 0.236 [2–6]	0.059 – 0.118 [1.5–3]
Cutting depth T_{max} inch [mm]	0.197 [5]	0.197 [5]	0.827 [21]
Coolant supply	External	External	External
Shank size h [mm]	20–25	20–25	26–32
Shank size h [Inch]			
Page in catalog	A 411	A 412	A 415
QR code			
www.walter-tools.com/woc/	G4521	G4551	G4041

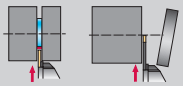
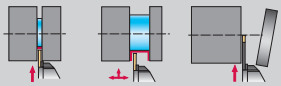
A2

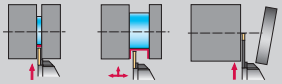
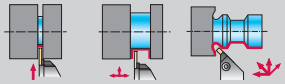
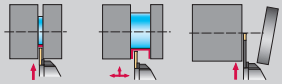
Shank tools/parting blades

System	 DX..		
Machining			
			
Designation	G4041...-P	G4041...C	G4041...C-P
Insert width s inch [mm]	0.079 [2]	0.059 – 0.118 [1.5–3]	0.079 – 0.118 [2–3]
Cutting depth T_{max} inch [mm]	0.827 [21]	0.827 [21]	0.827 [21]
Coolant supply	Precision cooling	External	Precision cooling
Shank size h [mm]	26–32	26–32	26–32
Shank size h [Inch]			
Page in catalog	A 416	A 417	A 418
QR code			
www.walter-tools.com/woc/	G4041-P	G4041-C	G4041-C-P

System	 DX..		
Machining			
			
Designation	G4042...N	G4042...N...-P	G4634-P
Insert width s inch [mm]	0.059 – 0.158 [1.5–4]	0.118 [3]	0.079 – 0.118 [2–3]
Cutting depth T_{max} inch [mm]	1.575 [40]	1.575 [40]	0.630 [16]
Coolant supply	External	Precision cooling	Precision cooling
Shank size h [mm]	26–32	26–32	33
Shank size h [Inch]			
Page in catalog	A 413	A 414	A 420
QR code			
www.walter-tools.com/woc/	G4042-N	G4042-N-P	G4634-P

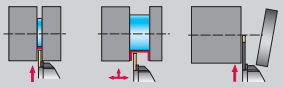
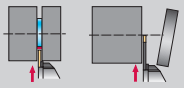
Shank tools/parting blades

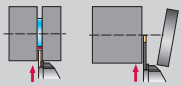
System	 DX..	 GX..	
Machining			
			
Designation	G4635	G1511	G1511...-P
Insert width s inch [mm]	0.059 – 0.118 [1.5–3]	0.079 – 0.236 [2–6]	0.079 – 0.236 [2–6]
Cutting depth T_{max} inch [mm]	0.669 [17]	0.236 [6]	0.236 [6]
Coolant supply	External	External	Internal
Shank size h [mm]		20–25	16–25
Shank size h [Inch]		0.750–1.000	1.000
Page in catalog	A 419	A 433	A 435
QR code			
www.walter-tools.com/woc/	G4635	G1511	G1511-P

System		 GX..	
Machining			
			
Designation	G1521	G1551	G1011
Insert width s inch [mm]	0.079 – 0.236 [2–6]	0.079 – 0.236 [2–6]	0.079 – 0.315 [2–8]
Cutting depth T_{max} inch [mm]	0.236 [6]	0.236 [6]	1.496 [38]
Coolant supply	External	External	External
Shank size h [mm]	20–25	20–25	16–32
Shank size h [Inch]	0.750–1.000	0.750–1.000	0.625–1.500
Page in catalog	A 438	A 440	A 422
QR code			
www.walter-tools.com/woc/	G1521	G1551	G1011

A2

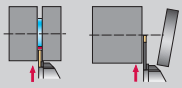
Shank tools/parting blades

System		GX..	
Machining			
			
Designation	G1011...-P	MSS...E...	G1041
Insert width s inch [mm]	0.079 – 0.315 [2–8]	0.024 – 0.315 [0.6–8]	0.079 – 0.158 [2–4]
Cutting depth T_{max} inch [mm]	1.299 [33]	0.827 [21]	1.260 [32]
Coolant supply	Precision cooling	External	External
Shank size h [mm]	16–32	L016–L032	26–32
Shank size h [Inch]	0.750–1.000		
Page in catalog	A 428	A 486	A 443
QR code			
www.walter-tools.com/woc/	G1011-P	MSS-E	G1041

System		GX..	
Machining			
			
Designation	G1041...-P	G1041...C	G1041...C-P
Insert width s inch [mm]	0.118 – 0.158 [3–4]	0.079 – 0.158 [2–4]	0.079 – 0.158 [2–4]
Cutting depth T_{max} inch [mm]	1.299 [33]	1.260 [32]	1.299 [33]
Coolant supply	Precision cooling	External	Precision cooling
Shank size h [mm]	26–32	26–32	26–32
Shank size h [Inch]			
Page in catalog	A 446	A 444	A 445
QR code			
www.walter-tools.com/woc/	G1041-P	G1041-C	G1041-C-P

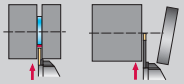
Shank tools/parting blades

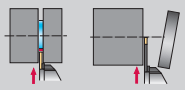
System		GX..	
Machining			
			
Designation	G1042	XLCFN	G1634-P
Insert width s inch [mm]	0.079 – 0.236 [2–6]	0.118 – 0.236 [3–6]	0.079 – 0.158 [2–4]
Cutting depth T_{max} inch [mm]	2.362 [60]	0.827 [21]	1.299 [33]
Coolant supply	External	External	Precision cooling
Shank size h [mm]	26–32	32	33–43
Shank size h [Inch]			
Page in catalog	A 442	A 447	A 450
QR code			
www.walter-tools.com/woc/	G1042	XLCFN	G1634-P

System		GX..	
Machining			
			
Designation	G1332	MSS...E...C	MSS...E...A
Insert width s inch [mm]	0.118 [3]	0.158 – 0.236 [4–6]	0.118 – 0.236 [3–6]
Cutting depth T_{max} inch [mm]	0.591 [15]	0.984 [25]	0.591 [15]
Coolant supply		External	External
Shank size h [mm]		L025	L020–L032
Shank size h [Inch]			
Page in catalog	A 452	A 488	A 488
QR code			
www.walter-tools.com/woc/	G1332	MSS-E-C	MSS-E-A

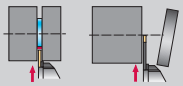
A2

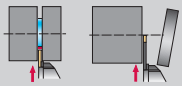
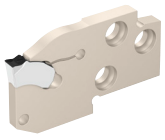
Shank tools/parting blades

System	GX..	SX..
Machining		
		
Designation	G1111	G1111...-P	G2012
Insert width s inch [mm]	0.118 – 0.236 [3–6]	0.197 [5]	0.059 – 0.118 [1.5–3]
Cutting depth T_{max} inch [mm]	0.984 [25]	1.299 [33]	1.299 [33]
Coolant supply	External	Precision cooling	External
Shank size h [mm]	25	25	20–25
Shank size h [Inch]	1.000		0.750–1.000
Page in catalog	A 453	A 458	A 461
QR code			
www.walter-tools.com/woc/	G1111	G1111-P	G2012

System	SX..
Machining	
	 
Designation	G2012...-P	G2042...R/L	G2042...R/L...-P
Insert width s inch [mm]	0.079 – 0.236 [2–6]	0.059 – 0.158 [1.5–4]	0.079 – 0.158 [2–4]
Cutting depth T_{max} inch [mm]	1.575 [40]	1.299 [33]	1.299 [33]
Coolant supply	Internal	External	Precision cooling
Shank size h [mm]	12–25	26–32	26–32
Shank size h [Inch]	0.500–1.000		
Page in catalog	A 463	A 469	A 471
QR code			
www.walter-tools.com/woc/	G2012-P	G2042-R-L	G2042-R-L-P

Shank tools/parting blades

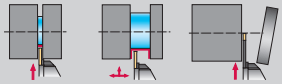
System	SX..		
Machining			
			
Designation	G2042...R/L...C	G2042...R/L...C-P	G2042...N
Insert width s inch [mm]	0.158 [4]	0.079 – 0.158 [2–4]	0.079 – 0.236 [2–6]
Cutting depth T_{max} inch [mm]	1.299 [33]	1.299 [33]	3.150 [80]
Coolant supply	External	Precision cooling	External
Shank size h [mm]	32	26–32	26–46
Shank size h [Inch]			
Page in catalog	A 470	A 473	A 467
QR code			
www.walter-tools.com/woc/	G2042-R-L-C	G2042-R-L-C-P	G2042-N

System	SX..		UX..
Machining			
			
Designation	G2042...N...-P	G2632-E...R/L...-SX	G2016...-P
Insert width s inch [mm]	0.118 – 0.394 [3–10]	0.079 – 0.315 [2–8]	0.472 – 0.748 [12–19]
Cutting depth T_{max} inch [mm]	3.937 [100]	1.772 [45]	1.614 [41]
Coolant supply	Precision cooling	External	Precision cooling
Shank size h [mm]	26–52	L020–L032	25–32
Shank size h [Inch]			
Page in catalog	A 472	A 490	A 475
QR code			
www.walter-tools.com/woc/	G2042-N-P	G2632	G2016-P

A2

Shank tools/parting blades

System

Machining		

			
Designation	**MSS-...00**	**MSS-...90**	**G2661...-P**
Insert width s inch [mm]			
Cutting depth T_{max} inch [mm]			
Coolant supply			Internal
Shank size h [mm]	16–32	20–32	16–40
Shank size h [Inch]	0.625–1.250	0.750–1.250	0.750–1.500
Page in catalog	A 476	A 477	A 480
QR code			
www.walter-tools.com/woc/	MSS-00	MSS-90	G2661-P

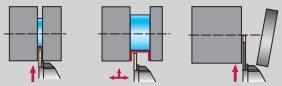
System

Machining	

	
Designation	**SBN**
Insert width s inch [mm]	
Cutting depth T_{max} inch [mm]	
Coolant supply	External
Shank size h [mm]	20–40
Shank size h [Inch]	0.750–1.250
Page in catalog	A 482
QR code	
www.walter-tools.com/woc/	SBN

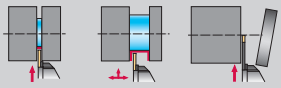
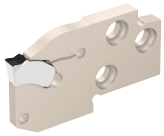
A2

Walter Capto™ groove turning holders

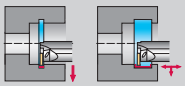
System	 MX..	 DX..	 GX..
Machining			
			
Designation	G3011-C...-P	G4011-C...-P	G1011-C...-P
Insert width s inch [mm]	0.020 – 0.222 [0.5–5.65]	0.079 [2]	0.118 – 0.197 [3–5]
Cutting depth T_{max} inch [mm]	0.236 [6]	0.669 [17]	0.827 [21]
Coolant supply	Precision cooling	Precision cooling	Precision cooling
Shank size h [mm]	C3–C6	C3–C4	C3–C6
Shank size h [Inch]			
Page in catalog	A 483	A 484	A 485
QR code			
www.walter-tools.com/woc/	G3011-C-P	G4011-C-P	G1011-C-P

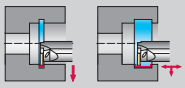
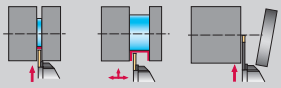
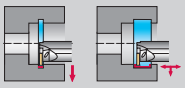
A2

Walter Capto™ groove turning holders

System	SX..		
Machining			
			
Designation	G2632-E...R/L...-SX	C...-MSS	C...-MSS...90
Insert width s inch [mm]	0.079 – 0.315 [2–8]		
Cutting depth T_{max} inch [mm]	1.772 [45]		
Coolant supply	External		
Shank size h [mm]	L020–L032	C3–C6	C4–C6
Shank size h [Inch]			
Page in catalog	A 490	A 491	A 492
QR code			
www.walter-tools.com/woc/	G2632	C-MSS	C-MSS-90

Boring bars

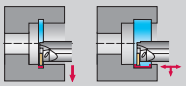
System	 MX..	 DX..	 GX..
Machining			
			
Designation	G3221...-P	G4221...-P	I12
Insert width s inch [mm]	0.020 – 0.128 [0.5–3.25]	0.079 – 0.158 [2–4]	0.079 – 0.108 [2–2.75]
Cutting depth T_{max} inch [mm]	0.158 [4]	0.394 [10]	0.118 [3]
Coolant supply	Precision cooling	Precision cooling	External
Shank size h [mm]	1.000–1.250	25–32	16
Shank size h [Inch]			
Page in catalog	A 493	A 494	A 498
QR code			
www.walter-tools.com/woc/	G3221-P	G4221-P	I12

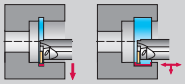
System	 GX..		
Machining			
			
Designation	G1221...-P	MSS...I...	MSS...I...90-1.5
Insert width s inch [mm]	0.079 – 0.236 [2–6]	0.024 – 0.236 [0.6–6]	
Cutting depth T_{max} inch [mm]	0.472 [12]	0.748 [19]	
Coolant supply	Precision cooling	External	
Shank size h [mm]	16–40	L016–R040	20–40
Shank size h [Inch]	0.625–1.500		0.750–2.000
Page in catalog	A 496	A 499	A 501
QR code			
www.walter-tools.com/woc/	G1221-P	MSS-I	MSS-I-1-5

A2

Boring bars

System

Machining	
	
Designation	MSS...I...90-2.5
Insert width s inch [mm]	
Cutting depth T_{max} inch [mm]	
Coolant supply	
Shank size h [mm]	20–40
Shank size h [Inch]	0.750–2.000
Page in catalog	A 501
QR code	
www.walter-tools.com/woc/	MSS-I-2-5

System	 DX..
Machining	
	
Designation	G4221-Q...-P
Insert width s inch [mm]	0.118 – 0.158 [3–4]
Cutting depth T_{max} inch [mm]	0.827 [21]
Coolant supply	Precision cooling
Shank size h [mm]	Q32–Q50
Shank size h [Inch]	
Page in catalog	A 503
QR code	
www.walter-tools.com/woc/	G4221-Q-P

A2

Shank tool - Radial grooving

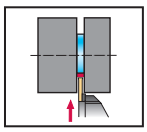
G3011 mm

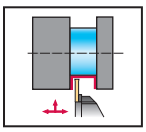
Walter Cut

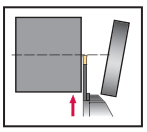




– Screw clamping



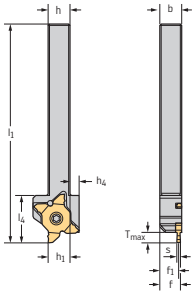




MX

Tool

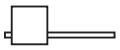
Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	h_4 mm	Type
G3011-1010R-MX22-2	0.5–3.25	0.020-0.128	6	10	10	8.3	120	28	7	MX-22-2E ..
G3011-1212R-MX22-2			6	12	12	10.3	120	26	5	
G3011-1616R-MX22-2			6	16	16	14.2	120	26	4	
G3011-1010L-MX22-2	0.5–3.25	0.020-0.128	6	10	10	8.3	120	28	7	MX-22-2E ..
G3011-1212L-MX22-2			6	12	12	10.3	120	26	5	
G3011-1616L-MX22-2			6	16	16	14.2	120	26	4	



Square shank

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	0.5–3.25
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 5 Nm
	Torx key	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25
	Torque screwdriver. analogue	FS2003
	Torque screwdriver. digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

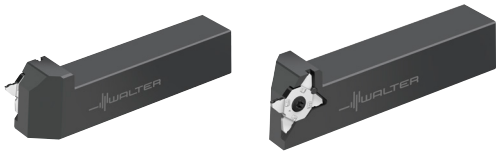
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

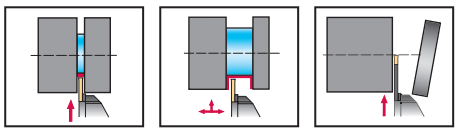
Shank tool - Radial grooving

G3011 mm

Walter Cut



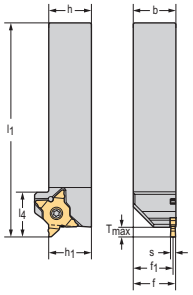
– Screw clamping



MX

Tool

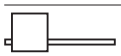
Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
G3011-2020R-MX22-2	0.5–3.25	0.020-0.128	6	20	20	18.3	125	26	MX-22-2E ..
G3011-2525R-MX22-2			6	25	25	23.3	125	26	
G3011-2020L-MX22-2	0.5–3.25	0.020-0.128	6	20	20	18.3	125	26	MX-22-2E ..
G3011-2525L-MX22-2			6	25	25	23.3	125	26	



Square shank

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	0.5–3.25
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 5 Nm
	Torx key	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

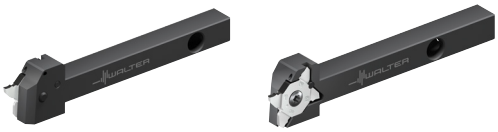
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

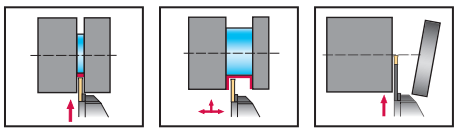
Shank tool – Radial grooving

G3011...-P inch

Walter Cut

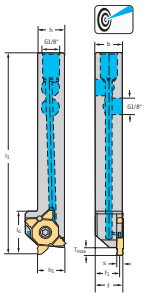


– Screw clamping
– Precision cooling





Tool

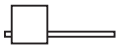


Square shank

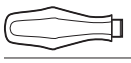
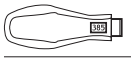
Designation	s mm	s inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	Type
G3011.08R-MX22-2-P	0.5–3.25	0.020–0.128	0.236	0.500	0.500	0.434	4.724	1.024	MX-22-2E ..
G3011.10R-MX22-2-P			0.236	0.625	0.625	0.559	4.724	1.024	
G3011.08L-MX22-2-P	0.5–3.25	0.020–0.128	0.236	0.500	0.500	0.434	4.724	1.024	MX-22-2E ..
G3011.10L-MX22-2-P			0.236	0.625	0.625	0.559	4.724	1.024	

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.020–0.128
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 44 in lbs
	UNF 5/16-24 threaded plug	FS2593 (SW 4)
	Torx key	FS2572 (T10IP)

Accessories

	s [inch]	0.020–0.128
	5/16" UNF angle connection	FS2594
	5/16" UNF connection element	FS2595
	Copper gasket	FS2598
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

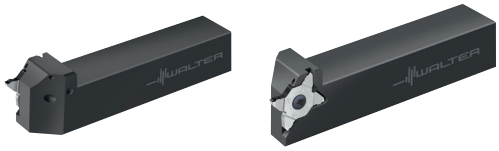
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Shank tool – Radial grooving

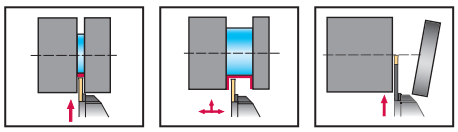
G3011...-P inch

Walter Cut



A2

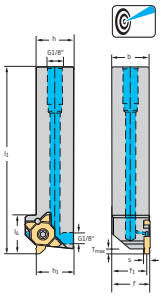
– Screw clamping
– Precision cooling





Tool

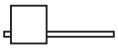
Designation	s mm	s inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	Type
G3011.12R-MX22-2-P	0.5–3.25	0.020–0.128	0.236	0.750	0.750	0.684	5.906	1.024	MX-22-2E ..
G3011.16R-MX22-2-P			0.236	1.000	1.000	0.934	5.906	1.024	
G3011.12R-MX22-4-P	4–5.65	0.157–0.222	0.236	0.750	0.750	0.639	5.906	1.024	MX-22-4E ..
G3011.16R-MX22-4-P			0.236	1.000	1.000	0.889	5.906	1.024	
G3011.12L-MX22-2-P	0.5–3.25	0.020–0.128	0.236	0.750	0.750	0.684	5.906	1.024	MX-22-2E ..
G3011.16L-MX22-2-P			0.236	1.000	1.000	0.934	5.906	1.024	
G3011.12L-MX22-4-P	4–5.65	0.157–0.222	0.236	0.750	0.750	0.639	5.906	1.024	MX-22-4E ..
G3011.16L-MX22-4-P			0.236	1.000	1.000	0.889	5.906	1.024	



Square shank

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.020–0.128	0.157–0.222
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 44 in lbs	FS2571 (T20IP) 44 in lbs
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	Torx key	FS2572 (T10IP)	FS2572 (T10IP)

Accessories

	s [inch]	0.020–0.128–0.157–0.222
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

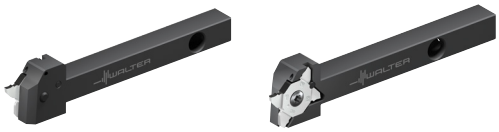
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

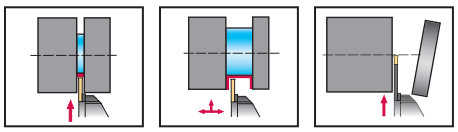
Shank tool – Radial grooving

G3011...-P mm

Walter Cut

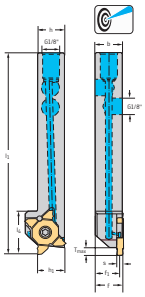


– Screw clamping
– Precision cooling





Tool

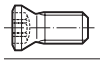
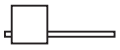


Square shank

Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
G3011-1212R-MX22-2-P	0.5–3.25	0.020-0.128	6	12	12	10.3	120	26	MX-22-2E ..
G3011-1616R-MX22-2-P			6	16	16	14.3	120	26	
G3011-1616R-MX22-4-P	4–5.65	0.157-0.222	6	16	16	13.2	120	26	MX-22-4E ..
G3011-1212L-MX22-2-P	0.5–3.25	0.020-0.128	6	12	12	10.3	120	26	MX-22-2E ..
G3011-1616L-MX22-2-P			6	16	16	14.3	120	26	
G3011-1616L-MX22-4-P	4–5.65	0.157-0.222	6	16	16	13.2	120	26	MX-22-4E ..

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	0.5–3.25	4–5.65
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 5 Nm	FS2571 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	Torx key	FS2572 (T10IP)	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25–4–5.65
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

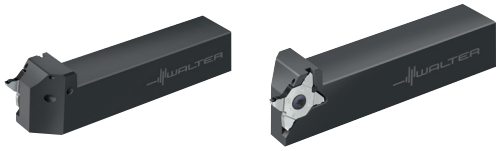
WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

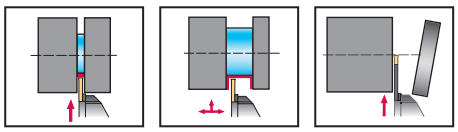
Shank tool – Radial grooving

G3011...-P mm

Walter Cut

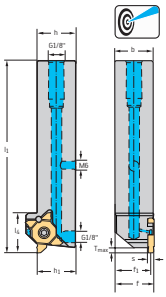


– Screw clamping
– Precision cooling





Tool

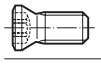
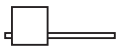


Square shank

Designation	s mm	s inch	T_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
G3011-2020R-MX22-2-P	0.5–3.25	0.020-0.128	6	20	20	18.3	125	26	MX-22-2E ..
G3011-2525R-MX22-2-P			6	25	25	23.3	125	26	
G3011-2020R-MX22-4-P	4–5.65	0.157-0.222	6	20	20	17.2	125	26	MX-22-4E ..
G3011-2525R-MX22-4-P			6	25	25	22.2	125	26	
G3011-2020L-MX22-2-P	0.5–3.25	0.020-0.128	6	20	20	18.3	125	26	MX-22-2E ..
G3011-2525L-MX22-2-P			6	25	25	23.3	125	26	
G3011-2020L-MX22-4-P	4–5.65	0.157-0.222	6	20	20	17.2	125	26	MX-22-4E ..
G3011-2525L-MX22-4-P			6	25	25	22.2	125	26	

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	0.5–3.25	4–5.65
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 5 Nm	FS2571 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)	FS2288 (SW 3)
	Torx key	FS2572 (T10IP)	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25–4–5.65
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

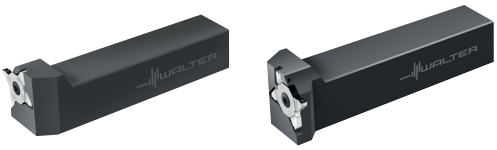
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

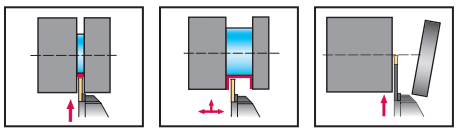
Shank tool – Radial grooving

G3021...-P mm

Walter Cut



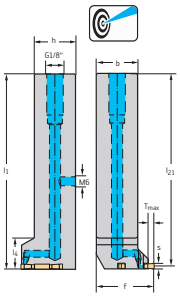
– Screw clamping
– Precision cooling





Tool

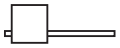
Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	l_{21} mm	Type
G3021-2020R-MX22-2-P	0.5–3.25	0.020-0.128	6	20	20	30	125	19	123.3	MX-22-2E ..
G3021-2525R-MX22-2-P			6	25	25	35	125	19	123.3	
G3021-2525R-MX22-4-P	4–5.65	0.157-0.222	6	25	25	35	127.3	19	124.5	MX-22-4E ..
G3021-2020L-MX22-2-P	0.5–3.25	0.020-0.128	6	20	20	30	125	19	123.3	MX-22-2E ..
G3021-2525L-MX22-2-P			6	25	25	35	125	19	123.3	
G3021-2525L-MX22-4-P	4–5.65	0.157-0.222	6	25	25	35	127.3	19	124.5	MX-22-4E ..



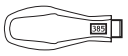
Square shank

Dimensional drawing shows right-hand version.
$l_1 = l_{21} + s/2$
Maximum cutting depth T_{max} – see cutting inserts
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	0.5–3.25	4–5.65
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 5 Nm	FS2571 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)	FS2288 (SW 3)
	Torx key	FS2572 (T10IP)	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25–4–5.65
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

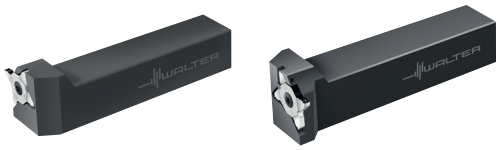
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

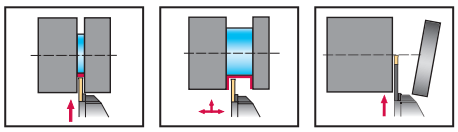
Shank tool – Radial grooving

G3021...-P inch

Walter Cut



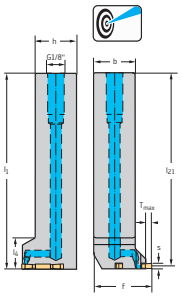
– Screw clamping
– Precision cooling





Tool

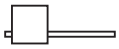
Designation	s mm	s inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	l_{21} inch	Type
G3021.16R-MX22-2-P	0.5–3.25	0.020–0.128	0.236	1.000	1.000	1.394	5.906	0.748	5.842	MX-22-2E ..
G3021.16R-MX22-4-P	4–5.65	0.157–0.222	0.236	1.000	1.000	1.394	5.906	0.748	5.794	MX-22-4E ..
G3021.16L-MX22-2-P	0.5–3.25	0.020–0.128	0.236	1.000	1.000	1.394	5.906	0.748	5.842	MX-22-2E ..
G3021.16L-MX22-4-P	4–5.65	0.157–0.222	0.236	1.000	1.000	1.394	5.906	0.748	5.794	MX-22-4E ..



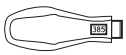
Square shank

Dimensional drawing shows right-hand version.
$l_1 = l_{21} + s/2$
Maximum cutting depth T_{max} – see cutting inserts
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.020–0.128–0.157–0.222
	Clamping screw for grooving insert Tightening torque	FS2571 (T20IP) 44 in lbs
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS2572 (T10IP)

Accessories

	s [inch]	0.020–0.128–0.157–0.222
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Shank tool 3° – Radial grooving

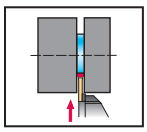
G3051...-P inch

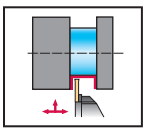
Walter Cut

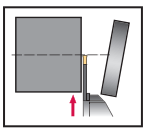




– Grooving and parting off on high shoulders
– Precision cooling



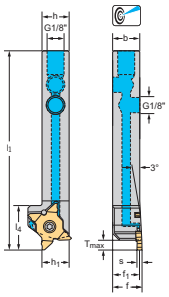






Tool

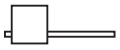
Designation	s mm	s inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	Type
G3051.10R-MX22-2-P	0.5–3.25	0.020–0.128	0.236	0.625	0.625	0.678	4.724	1.024	MX-22-2R ..
G3051.10L-MX22-2-P	0.5–3.25	0.020–0.128	0.236	0.625	0.625	0.678	4.724	1.024	MX-22-2L ..



Square shank

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
The maximum recommended coolant pressure is 150 bar (2175 psi)
When using G3051...R, the insert MX22-2R... is needed / When using G3051...L, the insert MX22-2L... is needed
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.020–0.128
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 44 in lbs
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS2572 (T10IP)

Accessories

	s [inch]	0.020–0.128
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

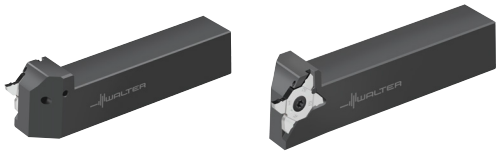
WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Shank tool 3° – Radial grooving

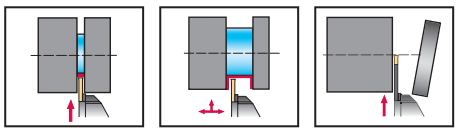
G3051...-P inch

Walter Cut



A2

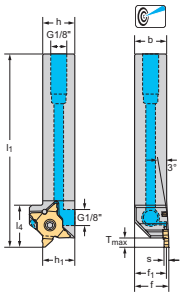
– Grooving and parting off on high shoulders
– Precision cooling





Tool

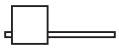
Designation	s mm	s inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	Type
G3051.12R-MX22-2-P	0.5–3.25	0.020–0.128	0.236	0.750	0.750	0.803	5.906	1.024	MX-22-2R ..
G3051.16R-MX22-2-P			0.236	1.000	1.000	1.053	5.906	1.024	
G3051.12L-MX22-2-P	0.5–3.25	0.020–0.128	0.236	0.750	0.750	0.803	5.906	1.024	MX-22-2L ..
G3051.16L-MX22-2-P			0.236	1.000	1.000	1.053	5.906	1.024	



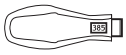
Square shank

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
When using G3051...R, the insert MX22-2R... is needed / When using G3051...L, the insert MX22-2L... is needed
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.020–0.128
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 44 in lbs
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS2572 (T10IP)

Accessories

	s [inch]	0.020–0.128
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Shank tool 3° – Radial grooving

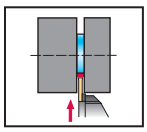
G3051...-P mm

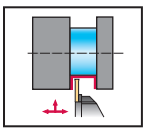
Walter Cut

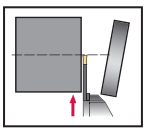




– Grooving and parting off on high shoulders
– Precision cooling



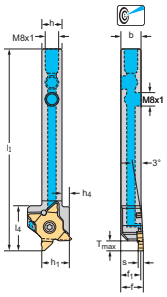






Tool

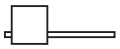
Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
G3051-1212R-MX22-2-P	0.5–3.25	0.020-0.128	6	12	12	13.3	120	26	MX-22-2R ..
G3051-1212L-MX22-2-P	0.5–3.25	0.020-0.128	6	12	12	13.3	120	26	MX-22-2L ..



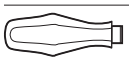
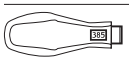
Square shank

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
When using G3051...R, the insert MX22-2R... is needed / When using G3051...L, the insert MX22-2L... is needed
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	0.5–3.25
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 5 Nm
	M8X1 threaded plug	FS2587 (SW 4)
	Torx key	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25
	M8x1 angle connection	FS2596
	M8x1 connection element	FS2597
	Copper gasket	FS2598
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

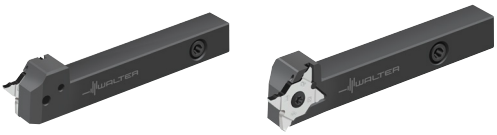
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

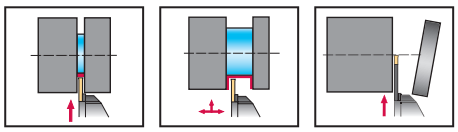
Shank tool 3° – Radial grooving

G3051...-P mm

Walter Cut



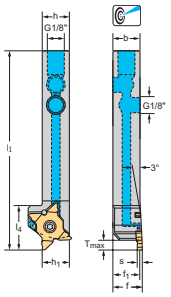
– Grooving and parting off on high shoulders
– Precision cooling





Tool

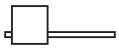
Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
G3051-1616R-MX22-2-P	0.5–3.25	0.020-0.128	6	16	16	17.3	120	26	MX-22-2R ..
G3051-1616L-MX22-2-P	0.5–3.25	0.020-0.128	6	16	16	17.3	120	26	MX-22-2L ..



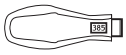
Square shank

Dimensional drawing shows right-hand version.
$f_1 = f - s/2$
Maximum cutting depth T_{max} – see cutting inserts
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
When using G3051...R, the insert MX22-2R... is needed / When using G3051...L, the insert MX22-2L... is needed
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	0.5–3.25
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

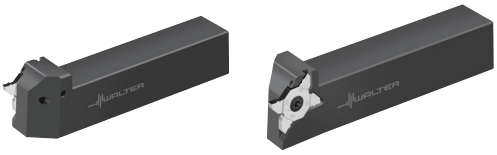
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

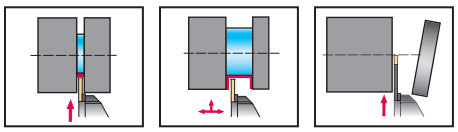
Shank tool 3° – Radial grooving

G3051...-P mm

Walter Cut



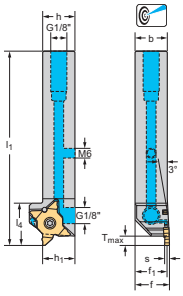
– Grooving and parting off on high shoulders
– Precision cooling





Tool

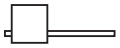
Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
G3051-2020R-MX22-2-P	0.5–3.25	0.020-0.128	6	20	20	21.3	125	26	MX-22-2R ..
G3051-2525R-MX22-2-P			6	25	25	26.3	125	26	
G3051-2020L-MX22-2-P	0.5–3.25	0.020-0.128	6	20	20	21.3	125	26	MX-22-2L ..
G3051-2525L-MX22-2-P			6	25	25	26.3	125	26	



Square shank

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
The maximum recommended coolant pressure is 150 bar (2175 psi)
When using G3051...R, the insert MX22-2R... is needed / When using G3051...L, the insert MX22-2L... is needed
Bodies and assembly parts are included in the scope of delivery

Assembly parts

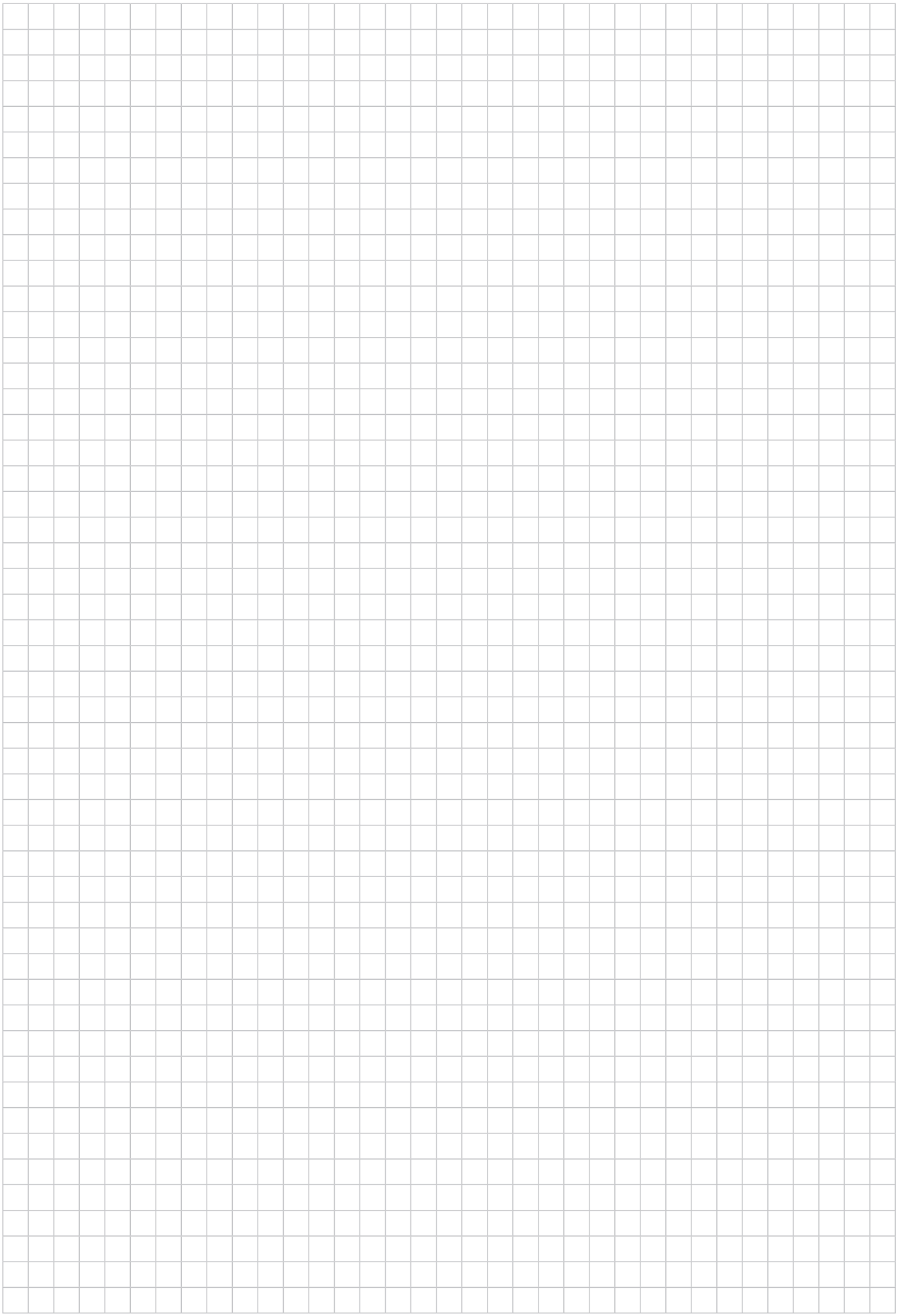
	s [mm]	0.5–3.25
	Clamping screw for grooving insert Tightening torque	FS2570 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248

WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions



A2

Shank tool – Radial grooving

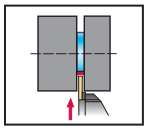
G4014 mm

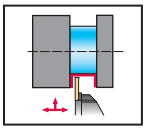
Walter Cut

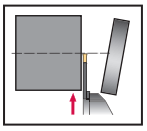
– Side screw clamping





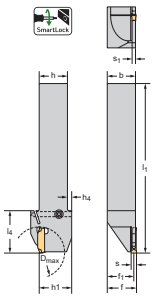








Tool

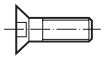
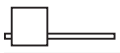


Square shank

Designation	s mm	s inch	D_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
G4014-1010R-1T12DX18	1	0.039	25	10	10	9.6	110	4	23	0.8	DX18-1E1 ..
G4014-1212R-1T12DX18			25	12	12	11.6	110	3	22.3	0.8	
G4014-1010R-1.5T10DX18	1.5	0.059	20	10	10	9.4	110	4	22	1.2	DX18-1E1.5 ..
G4014-1212R-1.5T12DX18			25	12	12	11.4	110	3	22.3	1.2	
G4014-1616R-1.5T12DX18			25	16	16	15.4	120	4	24	1.2	
G4014-1010R-2T10DX18	2	0.079	20	10	10	9.2	110	4	22	1.6	DX18-2E2 ..
G4014-1212R-2T12DX18			25	12	12	11.2	110	3	22.3	1.6	
G4014-1616R-2T12DX18			25	16	16	15.2	120	4	24	1.6	
G4014-1616R-2T17DX18			35	16	16	15.2	120	4	30	1.6	
G4014-2020R-2T17DX18			35	20	20	19.2	120	3	30	1.6	
G4014-1212R-3T12DX18	3	0.118	25	12	12	10.8	110	3	22.3	2.4	DX18-3E3 .. DX18-3F3 ..
G4014-1616R-3T17DX18			35	16	16	14.8	120	4	30	2.4	
G4014-2020R-3T17DX18			35	20	20	18.8	120	3	30	2.4	
G4014-1010L-1T12DX18	1	0.039	25	10	10	9.6	110	4	23	0.8	DX18-1E1 ..
G4014-1212L-1T12DX18			25	12	12	11.6	110	3	22.3	0.8	
G4014-1010L-1.5T10DX18	1.5	0.059	20	10	10	9.4	110	4	22	1.2	DX18-1E1.5 ..
G4014-1212L-1.5T12DX18			25	12	12	11.4	110	3	22.3	1.2	
G4014-1616L-1.5T12DX18			25	16	16	15.4	120	4	24	1.2	
G4014-1010L-2T10DX18	2	0.079	20	10	10	9.2	110	4	22	1.6	DX18-2E2 ..
G4014-1212L-2T12DX18			25	12	12	11.2	110	3	22.3	1.6	
G4014-1616L-2T12DX18			25	16	16	15.2	120	4	24	1.6	
G4014-1616L-2T17DX18			35	16	16	15.2	120	4	30	1.6	
G4014-2020L-2T17DX18			35	20	20	19.2	120	3	30	1.6	
G4014-1212L-3T12DX18	3	0.118	25	12	12	10.8	110	3	22.3	2.4	DX18-3E3 .. DX18-3F3 ..
G4014-1616L-3T17DX18			35	16	16	14.8	120	4	30	2.4	
G4014-2020L-3T17DX18			35	20	20	18.8	120	3	30	2.4	

Dimensional drawing shows right-hand version.
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	1–3
	Clamping screw for grooving insert Tightening torque	FS2586 (T15IP) 2 Nm
	Screw plug	FS2589
	Torx key	FS1465 (T15IP)

Accessories

	s [mm]	1–3
	Torque screwdriver. analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)
	Torque screwdriver. digital	FS2248

WALTER SELECT

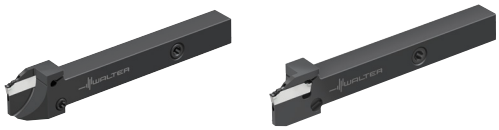
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

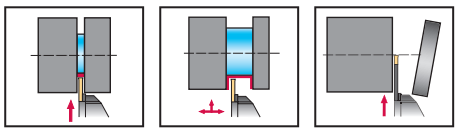
Shank tool – Radial grooving

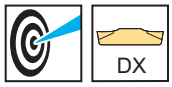
G4014...-P mm

Walter Cut

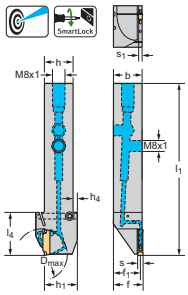


– Side screw clamping
– Precision cooling





Tool



Square shank

Designation	s mm	s inch	D_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
G4014-1212R-2T12DX18-P	2	0.079	25	12	12	11.2	110	3	22.3	1.6	DX18-2E2 ..
G4014-1212R-2.5T12DX18-P	2.5	0.098	25	12	12	11	110	3	22.3	2.1	DX18-2E2.5 ..
G4014-1212R-3T12DX18-P	3	0.118	25	12	12	10.8	110	3	22.3	2.4	DX18-3E3 .. DX18-3F3 ..
G4014-1212L-2T12DX18-P	2	0.079	25	12	12	11.2	110	3	22.3	1.6	DX18-2E2 ..
G4014-1212L-2.5T12DX18-P	2.5	0.098	25	12	12	11	110	3	22.3	2.1	DX18-2E2.5 ..
G4014-1212L-3T12DX18-P	3	0.118	25	12	12	10.8	110	3	22.3	2.4	DX18-3E3 .. DX18-3F3 ..

Dimensional drawing shows right-hand version.

The maximum recommended coolant pressure is 150 bar (2175 psi)
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–3
	Clamping screw for grooving insert Tightening torque	FS2586 (T15IP) 2 Nm
	Screw plug	FS2589
	M8X1 threaded plug	FS2587 (SW 4)
	Torx key	FS1465 (T15IP)

Accessories

	s [mm]	2–3
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)
	M8x1 angle connection	FS2596
	M8x1 connection element	FS2597
	Copper gasket	FS2598
	Torque screwdriver, digital	FS2248

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Shank tool – Radial grooving

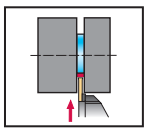
G4014...-P mm

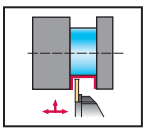
Walter Cut

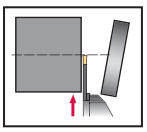




– Side screw clamping
– Precision cooling



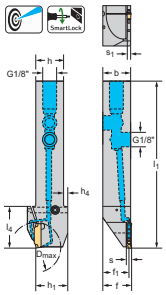








Tool



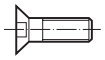
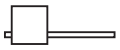
Square shank

Designation	s mm	s inch	D_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
G4014-1616R-2T12DX18-P	2	0.079	25	16	16	15.2	120	4	24	1.6	DX18-2E2 ..
G4014-1616R-2T17DX18-P			35	16	16	15.2	120	4	30	1.6	
G4014-1616R-2.5T17DX18-P	2.5	0.098	35	16	16	15	120	4	30	2.1	DX18-2E2.5 ..
G4014-1616R-3T17DX18-P	3	0.118	35	16	16	14.8	120	4	30	2.4	DX18-3E3 .. DX18-3F3 ..
G4014-1616L-2T12DX18-P	2	0.079	25	16	16	15.2	120	4	24	1.6	DX18-2E2 ..
G4014-1616L-2T17DX18-P			35	16	16	15.2	120	4	30	1.6	
G4014-1616L-2.5T17DX18-P	2.5	0.098	35	16	16	15	120	4	30	2.1	DX18-2E2.5 ..
G4014-1616L-3T17DX18-P	3	0.118	35	16	16	14.8	120	4	30	2.4	DX18-3E3 .. DX18-3F3 ..

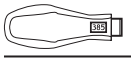
Dimensional drawing shows right-hand version.

For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–3
	Clamping screw for grooving insert Tightening torque	FS2585 (T15IP) 3 Nm
	Screw plug	FS2589
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1465 (T15IP)

Accessories

	s [mm]	2–3
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)
	Torque screwdriver, digital	FS2248

WALTER SELECT

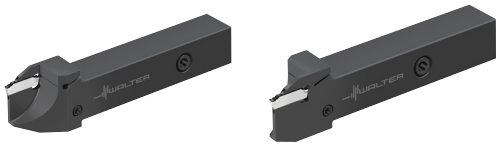
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

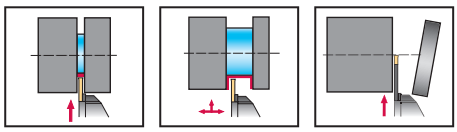
Shank tool – Radial grooving

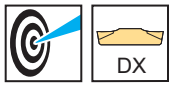
G4014...-P mm

Walter Cut

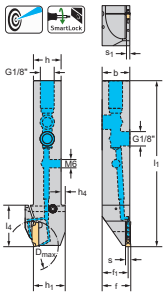


– Side screw clamping
– Precision cooling





Tool



Square shank

Designation	s mm	s inch	D_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
G4014-2020R-2T17DX18-P	2	0.079	35	20	20	19.2	120	3	30	1.6	DX18-2E2 ..
G4014-2020R-3T17DX18-P	3	0.118	35	20	20	18.8	120	3	30	2.4	DX18-3E3 .. DX18-3F3 ..
G4014-2020L-2T17DX18-P	2	0.079	35	20	20	19.2	120	3	30	1.6	DX18-2E2 ..
G4014-2020L-3T17DX18-P	3	0.118	35	20	20	18.8	120	3	30	2.4	DX18-3E3 .. DX18-3F3 ..

Dimensional drawing shows right-hand version.

For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–3
	Clamping screw for grooving insert Tightening torque	FS2585 (T15IP) 3 Nm
	Screw plug	FS2589
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)

Accessories

	s [mm]	2–3
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)
	Torque screwdriver, digital	FS2248

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Shank tool – Radial grooving

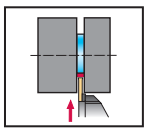
G4014 inch

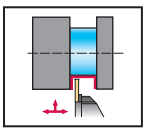
Walter Cut

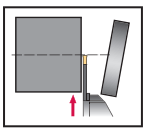




– Side screw clamping

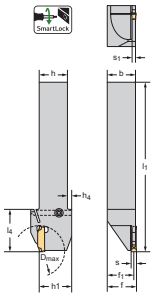






DX

Tool

	Designation	s mm	s inch	D_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	h_4 inch	l_4 inch	s_1 inch	Type
	G4014.08R-1.5T12DX18	1.5	0.059	0.984	0.500	0.500	0.476	4.331	0.091	0.878	0.047	DX18-1E1.5 ..
	G4014.08L-1.5T12DX18	1.5	0.059	0.984	0.500	0.500	0.476	4.331	0.091	0.878	0.047	DX18-1E1.5 ..
	G4014.10L-3T17DX18	3	0.118	1.378	0.625	0.625	0.579	4.724	0.161	1.181	0.094	DX18-3E3 .. DX18-3F3 ..

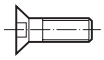
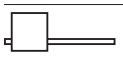
Square shank

Dimensional drawing shows right-hand version.

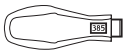
$f = f_1 + s/2$

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.06	0.12
	Clamping screw for grooving insert Tightening torque	FS2586 (T15IP) 18 in lbs	FS2585 (T15IP) 27 in lbs
	Screw plug	FS2589	FS2589
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

	s [inch]	0.06–0.12
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)
	Torque screwdriver, digital	FS2248

WALTER SELECT

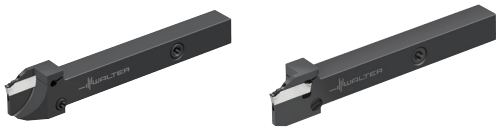
●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

Shank tool – Radial grooving

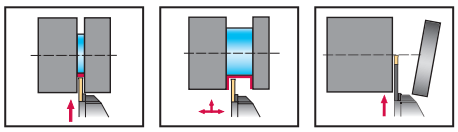
G4014...-P inch

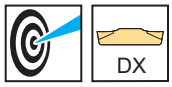
Walter Cut



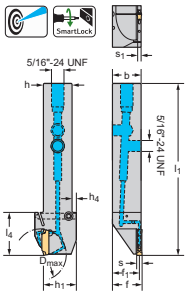
A2

– Side screw clamping
– Precision cooling





Tool



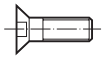
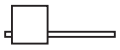
Square shank

Designation	s mm	s inch	D_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	h_4 inch	l_4 inch	s_1 inch	Type
G4014.08R-2T12DX18-P	2	0.079	0.984	0.500	0.500	0.469	4.331	0.091	0.878	0.063	DX18-2E2 ..
G4014.08R-3T12DX18-P	3	0.118	0.984	0.500	0.500	0.453	4.331	0.091	0.878	0.094	DX18-3E3 .. DX18-3F3 ..
G4014.08L-2T12DX18-P	2	0.079	0.984	0.500	0.500	0.469	4.331	0.091	0.878	0.063	DX18-2E2 ..
G4014.08L-3T12DX18-P	3	0.118	0.984	0.500	0.500	0.453	4.331	0.091	0.878	0.094	DX18-3E3 .. DX18-3F3 ..

Dimensional drawing shows right-hand version.

The maximum recommended coolant pressure is 150 bar (2175 psi)
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.08–0.12
	Clamping screw for grooving insert Tightening torque	FS2586 (T15IP) 18 in lbs
	Screw plug	FS2589
	UNF 5/16-24 threaded plug	FS2593 (SW 4)
	Torx key	FS1465 (T15IP)

Accessories

	s [inch]	0.08–0.12
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)
	5/16" UNF angle connection	FS2594
	5/16" UNF connection element	FS2595
	Copper gasket	FS2598
	Torque screwdriver, digital	FS2248

WALTER SELECT

●● Primary application ● Other application

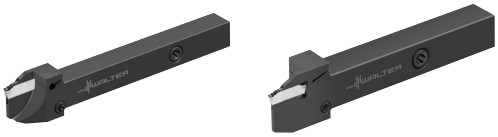
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

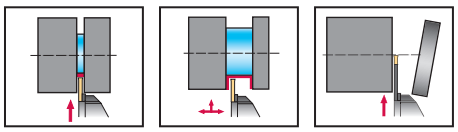
Shank tool – Radial grooving

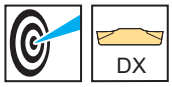
G4014...-P inch

Walter Cut



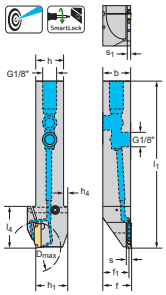
– Side screw clamping
– Precision cooling





Tool

Designation	s mm	s inch	D_{max} inch	h = h_1 inch	b inch	f_1 inch	l_1 inch	h_4 inch	l_4 inch	s_1 inch	Type
G4014.10R-2T17DX18-P	2	0.079	1.378	0.625	0.625	0.594	4.724	0.161	1.181	0.063	DX18-2E2 ..
G4014.12R-2T17DX18-P			1.378	0.750	0.750	0.717	4.724	0.118	1.181	0.063	
G4014.10R-3T17DX18-P	3	0.118	1.378	0.625	0.625	0.579	4.724	0.161	1.181	0.094	DX18-3E3 .. DX18-3F3 ..
G4014.12R-3T17DX18-P			1.378	0.750	0.750	0.701	4.724	0.118	1.181	0.094	
G4014.10L-2T17DX18-P	2	0.079	1.378	0.625	0.625	0.594	4.724	0.161	1.181	0.063	DX18-2E2 ..
G4014.12L-2T17DX18-P			1.378	0.750	0.750	0.717	4.724	0.118	1.181	0.063	
G4014.10L-3T17DX18-P	3	0.118	1.378	0.625	0.625	0.579	4.724	0.161	1.181	0.094	DX18-3E3 .. DX18-3F3 ..
G4014.12L-3T17DX18-P			1.378	0.750	0.750	0.701	4.724	0.118	1.181	0.094	

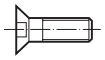
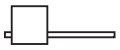


Square shank

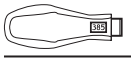
Dimensional drawing shows right-hand version.

For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.08–0.12
	Clamping screw for grooving insert Tightening torque	FS2585 (T15IP) 27 in lbs
	Screw plug	FS2589
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1465 (T15IP)

Accessories

	s [inch]	0.08–0.12
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)
	Torque screwdriver, digital	FS2248

WALTER SELECT

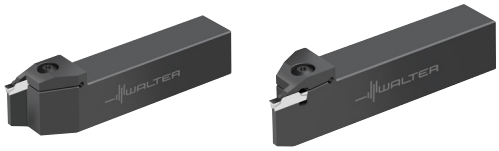
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

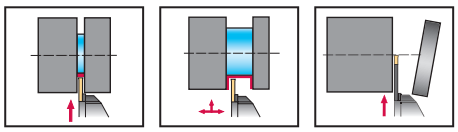
Shank tool – Radial grooving

G4011 mm

Walter Cut



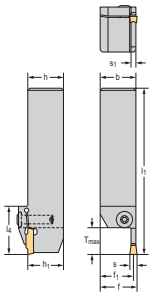
– Screw clamping



DX

Tool

Designation	s mm	s inch	T_{max} mm	D_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
G4011-2020R-2T10DX18	2	0.079	10		20	20	19.2	125	33.5	1.6	DX18-2E2 ..
G4011-2525R-2T10DX18			10		25	25	24.2	125	28	1.6	
G4011-2020R-3T10DX18	3	0.118	10		20	20	18.8	125	33.5	2.4	DX18-3E3 .. DX18-3F3 ..
G4011-2525R-3T10DX18			10		25	25	23.8	125	28	2.4	
G4011-2020R-4T10DX18	4	0.157	10		20	20	18.3	125	33.5	3.4	DX18-4E4 .. DX18-4F4 ..
G4011-2020R-4T17DX18			17		20	20	18.3	125	33.5	3.4	
G4011-2525R-4T10DX18			10		25	25	23.2	125	33.5	3.4	
G4011-2525R-4T17DX18			17		25	25	23.2	125	33.5	3.4	
G4011-2020L-2T10DX18	2	0.079	10		20	20	19.2	125	33.5	1.6	DX18-2E2 ..
G4011-2525L-2T10DX18			10		25	25	24.2	125	28	1.6	
G4011-2020L-3T10DX18	3	0.118	10		20	20	18.8	125	33.5	2.4	DX18-3E3 .. DX18-3F3 ..
G4011-2525L-3T10DX18			10		25	25	23.8	125	28	2.4	
G4011-2020L-4T10DX18	4	0.157	10		20	20	18.3	125	33.5	3.4	DX18-4E4 .. DX18-4F4 ..
G4011-2020L-4T17DX18			17		20	20	18.3	125	33.5	3.4	
G4011-2525L-4T10DX18			10		25	25	23.2	125	33.5	3.4	
G4011-2525L-4T17DX18			17		25	25	23.2	125	33.5	3.4	

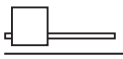


Square shank

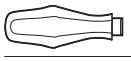
Dimensional drawing shows right-hand version.

$f = f_1 + s/2$
If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–4
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2–4
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

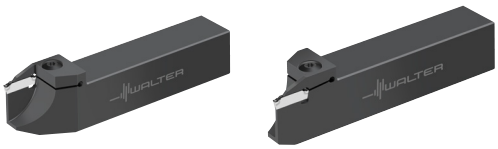
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

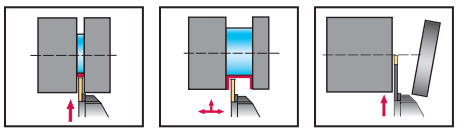
A2

Shank tool – Radial grooving

G4011 mm

Walter Cut

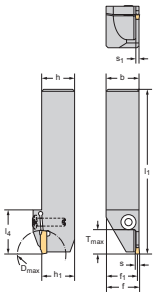




DX

Tool

Designation	s mm	s inch	T_{max} mm	D_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
G4011-2525R-2T17DX18	2	0.079	17	35	25	25	24.2	125	33.5	1.6	DX18-2E2 ..
G4011-2525R-2.5T17DX18	2.5	0.098	17	35	25	25	24	125	33.5	2.1	DX18-2E2.5 ..
G4011-2525R-3T17DX18	3	0.118	17	35	25	25	23.8	125	33.5	2.4	DX18-3E3 .. DX18-3F3 ..
G4011-2525L-2T17DX18	2	0.079	17	35	25	25	24.2	125	33.5	1.6	DX18-2E2 ..
G4011-2525L-2.5T17DX18	2.5	0.098	17	35	25	25	24	125	33.5	2.1	DX18-2E2.5 ..
G4011-2525L-3T17DX18	3	0.118	17	35	25	25	23.8	125	33.5	2.4	DX18-3E3 .. DX18-3F3 ..



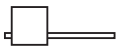
Square shank

Dimensional drawing shows right-hand version.

$f = f_1 + s/2$

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–3
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2–3
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

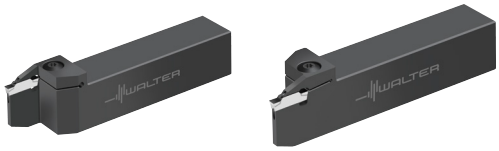
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

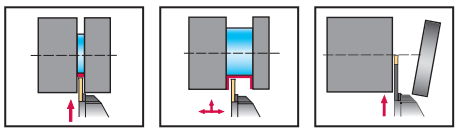
Shank tool – Radial grooving

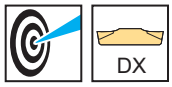
G4011...-P mm

Walter Cut



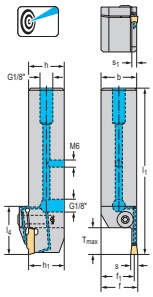
– Screw clamping
– Precision cooling





Tool

Designation	s mm	s inch	T_{max} mm	D_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
G4011-2020R-4T17DX18-P	4	0.157	17		20	20	18.3	125	33.5	3.4	DX18-4E4 .. DX18-4F4 ..
G4011-2525R-4T17DX18-P			17		25	25	23.3	125	33.5	3.4	
G4011-2020L-4T17DX18-P	4	0.157	17		20	20	18.3	125	33.5	3.4	DX18-4E4 .. DX18-4F4 ..
G4011-2525L-4T17DX18-P			17		25	25	23.3	125	33.5	3.4	



Square shank

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)

If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	4
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	4
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

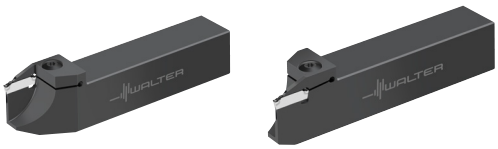
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

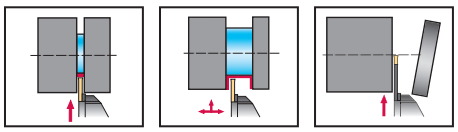
A2

Shank tool – Radial grooving

G4011...-P mm

Walter Cut

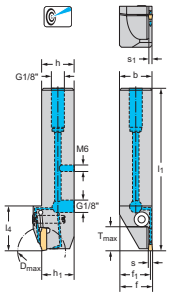






Tool

Designation	s mm	s inch	T_{max} mm	D_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
G4011-2525R-2T17DX18-P	2	0.079	17	35	25	25	24.2	125	33.5	1.6	DX18-2E2 ..
G4011-2525R-2.5T17DX18-P	2.5	0.098	17	35	25	25	24	125	33.5	2.1	DX18-2E2.5 ..
G4011-2525R-3T17DX18-P	3	0.118	17	35	25	25	23.8	125	33.5	2.4	DX18-3E3 .. DX18-3F3 ..
G4011-2525L-2T17DX18-P	2	0.079	17	35	25	25	24.2	125	33.5	1.6	DX18-2E2 ..
G4011-2525L-2.5T17DX18-P	2.5	0.098	17	35	25	25	24	125	33.5	2.1	DX18-2E2.5 ..
G4011-2525L-3T17DX18-P	3	0.118	17	35	25	25	23.8	125	33.5	2.4	DX18-3E3 .. DX18-3F3 ..

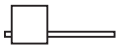


Square shank

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–3
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2–3
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

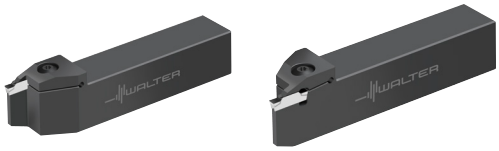
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

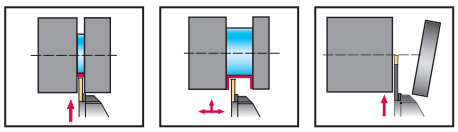
Shank tool – Radial grooving

G4011 inch

Walter Cut



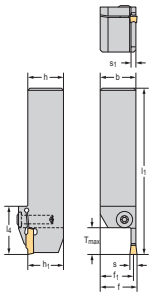
– Screw clamping



DX

Tool

Designation	s mm	s inch	T_{max} inch	D_{max} inch	h = h_1 inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
G4011.12R-2T10DX18	2	0.079	0.394		0.750	0.750	0.717	4.921	1.102	0.063	DX18-2E2 ..
G4011.16R-2T10DX18			0.394		1.000	1.000	0.969	4.921	1.102	0.063	
G4011.16R-3T10DX18	3	0.118	0.394		1.000	1.000	0.953	4.921	1.102	0.094	DX18-3E3 .. DX18-3F3 ..
G4011.12R-4T17DX18	4	0.157	0.669		0.750	0.750	0.685	4.921	1.319	0.134	DX18-4E4 .. DX18-4F4 ..
G4011.16R-4T17DX18			0.669		1.000	1.000	0.933	4.921	1.319	0.134	
G4011.16L-2T10DX18	2	0.079	0.394		1.000	1.000	0.969	4.921	1.102	0.063	DX18-2E2 ..
G4011.16L-3T10DX18	3	0.118	0.394		1.000	1.000	0.953	4.921	1.102	0.094	DX18-3E3 .. DX18-3F3 ..
G4011.12L-4T17DX18	4	0.157	0.669		0.750	0.750	0.685	4.921	1.319	0.134	DX18-4E4 .. DX18-4F4 ..
G4011.16L-4T17DX18			0.669		1.000	1.000	0.933	4.921	1.319	0.134	

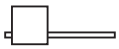


Square shank

Dimensional drawing shows right-hand version.

$f = f_1 + s/2$
If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0,08–0,16
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs
	Torx key	FS1464 (T20IP)

Accessories

	s [inch]	0,08–0,16
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

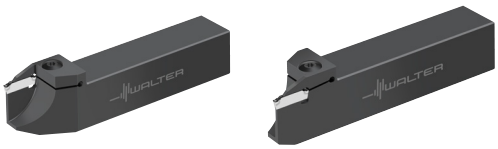
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

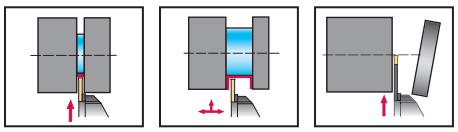
Shank tool – Radial grooving

G4011 inch

Walter Cut



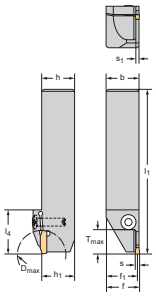
– Screw clamping



DX

Tool

Designation	s mm	s inch	T_{max} inch	D_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
G4011.16R-3T17DX18	3	0.118	0.669	1.378	1.000	1.000	0.953	4.921	1.319	0.094	DX18-3E3 .. DX18-3F3 ..
G4011.16L-3T17DX18	3	0.118	0.669	1.378	1.000	1.000	0.953	4.921	1.319	0.094	DX18-3E3 .. DX18-3F3 ..



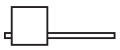
Square shank

Dimensional drawing shows right-hand version.

$f = f_1 + s/2$

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.12
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs
	Torx key	FS1464 (T20IP)

Accessories

	s [inch]	0.12
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

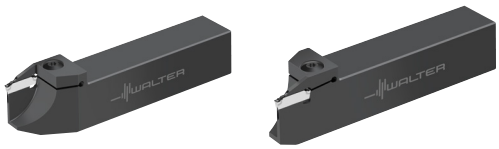
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

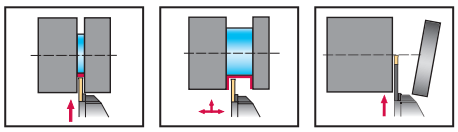
Shank tool – Radial grooving

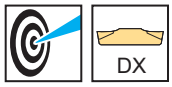
G4011...-P inch

Walter Cut



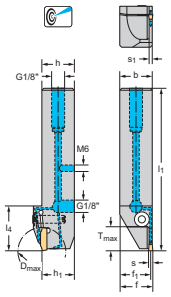
– Screw clamping
– Precision cooling





Tool

Designation	s mm	s inch	T_{max} inch	D_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
G4011.16R-2T17DX18-P	2	0.079	0.669	1.378	1.000	1.000	0.969	4.921	1.319	0.063	DX18-2E2 ..
G4011.16R-3T17DX18-P	3	0.118	0.669	1.378	1.000	1.000	0.953	4.921	1.319	0.094	DX18-3E3 .. DX18-3F3 ..
G4011.16L-2T17DX18-P	2	0.079	0.669	1.378	1.000	1.000	0.969	4.921	1.319	0.063	DX18-2E2 ..
G4011.16L-3T17DX18-P	3	0.118	0.669	1.378	1.000	1.000	0.953	4.921	1.319	0.094	DX18-3E3 .. DX18-3F3 ..

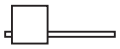


Square shank

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.08–0.12
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1464 (T20IP)

Accessories

	s [inch]	0.08–0.12
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

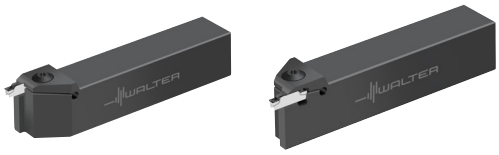
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

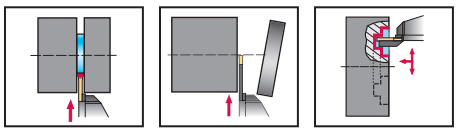
Shank tool – Universal

G4511 mm

Walter Cut



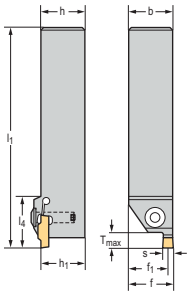
– Screw clamping
– Different grooving widths fit in one tool



DX

Tool

Designation	s mm	s inch	T_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
G4511-1212R-T5DX18	2–6	0.079–0.236	5	12	12	9.4	120	31.5	DX18- . E .. DX18- . F ..
G4511-1616R-T5DX18			5	16	16	13.4	120	29	
G4511-2020R-T5DX18			5	20	20	17.4	120	29	
G4511-2525R-T5DX18			5	25	25	22.4	125	29	
G4511-2020L-T5DX18	2–6	0.079–0.236	5	20	20	17.4	120	29	DX18- . E .. DX18- . F ..
G4511-2525L-T5DX18			5	25	25	22.4	125	29	

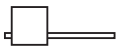


Square shank

Dimensional drawing shows right-hand version.

$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–6
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2–6
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Shank tool – 90° universal

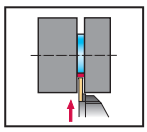
G4521 mm

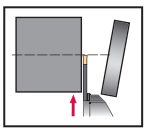
Walter Cut

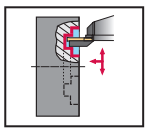




– Screw clamping
– Different grooving widths fit in one tool



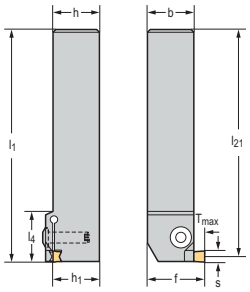




DX

Tool

Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f mm	l_4 mm	l_{21} mm	Type
G4521-2020R-T5DX18	2–6	0.079–0.236	5	20	20	25.5	27	117.4	DX18- . E .. DX18- . F ..
G4521-2525R-T5DX18			5	25	25	30.5	27	122.4	
G4521-2020L-T5DX18	2–6	0.079–0.236	5	20	20	25.5	27	117.4	DX18- . E .. DX18- . F ..
G4521-2525L-T5DX18			5	25	25	30.5	27	122.4	

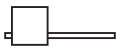


Square shank

Dimensional drawing shows right-hand version.
$l_1 = l_{21} + s/2$

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–6
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2–6
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

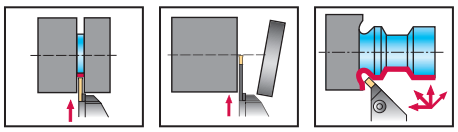
Shank tool – 45° universal

G4551 mm

Walter Cut



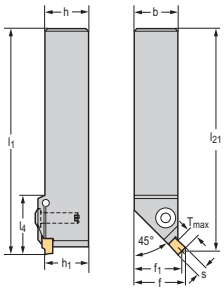
– Screw clamping
– Different grooving widths fit in one tool



DX

Tool

Designation	s mm	s inch	T_{max} mm	h = h_1 mm	b mm	f_1 mm	l_{21} mm	l_4 mm	Type
G4551-2020R-T5DX18	2–6	0.079–0.236	5	20	20	22.3	127.5	32	DX18- . E .. DX18- . F ..
G4551-2525R-T5DX18			5	25	25	27.3	127.5	32	
G4551-2525L-T5DX18	2–6	0.079–0.236	5	25	25	27.3	127.5	32	DX18- . E .. DX18- . F ..

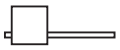


Square shank

Dimensional drawing shows right-hand version.
$f = f_1 + 0.707 \times s/2$

$l_1 = l_{21} + 0.707 \times s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–6
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2–6
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

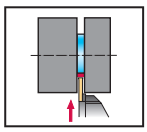
●● Primary application ● Other application

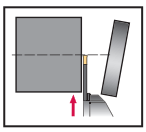
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Deep parting blade
G4042...N mm
Walter Cut



– Self-clamping system





DX

Tool

Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	b mm	l_1 mm	h_1 mm	s_1 mm	Type
G4042-26N-1.5T17DX18	1.5	0.059	17	35	26	3.5	130	17.4	1.2	DX18-1E1.5 ..
G4042-26N-2T25DX18	2	0.079	25	50	26	3.5	130	17.4	1.6	DX18-2E2 ..
G4042-26N-3T40DX18	3	0.118	40	80	26	3.5	130	17.3	2.4	DX18-3E3 .. DX18-3F3 ..
G4042-26N-4T40DX18	4	0.157	40	80	26	3.5	130	17.2	3.4	DX18-4E4 .. DX18-4F4 ..
G4042-32N-1.5T17DX18	1.5	0.059	17	35	32	3.5	150	21.1	1.2	DX18-1E1.5 ..
G4042-32N-2T25DX18	2	0.079	25	50	32	3.5	150	21.1	1.6	DX18-2E2 ..
G4042-32N-3T40DX18	3	0.118	40	80	32	3.5	150	21	2.4	DX18-3E3 .. DX18-3F3 ..
G4042-32N-4T40DX18	4	0.157	40	80	32	3.5	150	20.9	3.4	DX18-4E4 .. DX18-4F4 ..

Accessories

	s [mm]	1.5–4
	Mounting wrench for grooving insert	FS1494

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

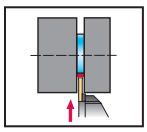
Deep parting blade

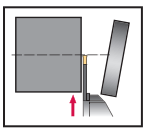
G4042...N...-P mm

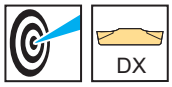
Walter Cut



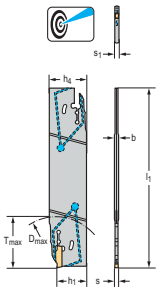
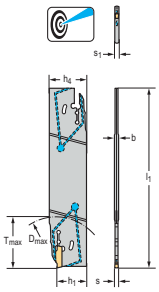
– Self-clamping system
– Precision cooling







Tool

	Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	b mm	l_1 mm	h_1 mm	s_1 mm	Type
	G4042-26N-3T40DX18-P	3	0.118	40	80	26	3.5	130	17.3	2.4	DX18-3E3 .. DX18-3F3 ..
	G4042-32N-3T40DX18-P	3	0.118	40	80	32	3.5	150	21	2.4	DX18-3E3 .. DX18-3F3 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	3
	Coolant transfer insert	FS2282

Accessories

	s [mm]	3
	Mounting wrench for grooving insert	FS1494

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Reinforced parting blade

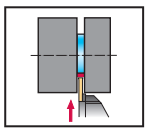
G4041 mm

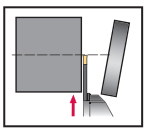
Walter Cut





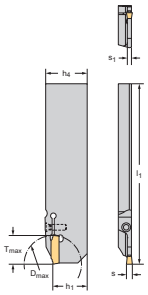
– Screw clamping







Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G4041-26R-1.5T17DX18	1.5	0.059	17	35	26	110	21.3	1.2	DX18-1E1.5 ..
G4041-26R-2T17DX18	2	0.079	17	35	26	110	21.3	1.6	DX18-2E2 ..
G4041-32R-2T21DX18			21	42	32	110	25	2.5	
G4041-26R-3T17DX18	3	0.118	17	35	26	110	21.3	2.5	DX18-3E3 .. DX18-3F3 ..
G4041-26L-1.5T17DX18	1.5	0.059	17	35	26	110	21.3	1.2	DX18-1E1.5 ..
G4041-26L-2T17DX18	2	0.079	17	35	26	110	21.3	1.6	DX18-2E2 ..
G4041-26L-3T17DX18	3	0.118	17	35	26	110	21.3	2.5	DX18-3E3 .. DX18-3F3 ..

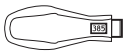
Dimensional drawing shows right-hand version.

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	1.5–3
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3.5 Nm

Accessories

	s [mm]	1.5–3
	Screwdriver for grooving insert	FS1485 (T15IP)
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Reinforced parting blade

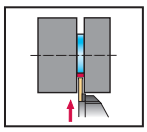
G4041...-P mm

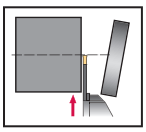
Walter Cut

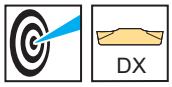




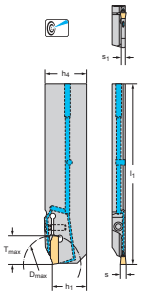
– Screw clamping
– Precision cooling







Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G4041-26R-2T17DX18-P	2	0.079	17	35	26	110	21.3	1.6	DX18-2E2 ..
G4041-26L-2T17DX18-P	2	0.079	17	35	26	110	21.3	1.6	DX18-2E2 ..
G4041-32L-2T21DX18-P			21	42	32	110	25	1.6	

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 80 bar (1160 psi)

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3.5 Nm

Accessories

	s [mm]	2
	Screwdriver for grooving insert	FS1485 (T15IP)
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Reinforced parting blade – Contra

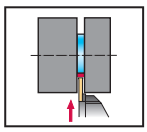
G4041...C mm

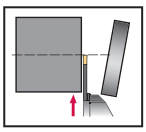
Walter Cut





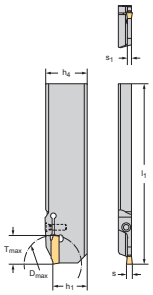
– Screw clamping







Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G4041-26R-1.5T17DX18C	1.5	0.059	17	35	26	110	21.3	1.2	DX18-1E1.5 ..
G4041-26R-2T17DX18C	2	0.079	17	35	26	110	21.3	1.6	DX18-2E2 ..
G4041-32R-2T21DX18C			21	42	32	110	25	1.6	
G4041-26R-3T17DX18C	3	0.118	17	35	26	110	21.3	2.5	DX18-3E3 .. DX18-3F3 ..
G4041-26L-1.5T17DX18C	1.5	0.059	17	35	26	110	21.3	1.2	DX18-1E1.5 ..
G4041-26L-2T17DX18C	2	0.079	17	35	26	110	21.3	1.6	DX18-2E2 ..
G4041-32L-2T21DX18C			21	42	32	110	25	1.6	
G4041-26L-3T17DX18C	3	0.118	17	35	26	110	21.3	2.5	DX18-3E3 .. DX18-3F3 ..

Dimensional drawing shows right-hand version.

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	1.5–3
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3.5 Nm

Accessories

	s [mm]	1.5–3
	Screwdriver for grooving insert	FS1485 (T15IP)
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Reinforced parting blade – Contra

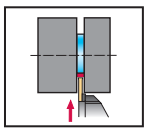
G4041...C-P mm

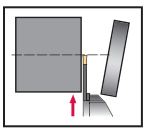
Walter Cut

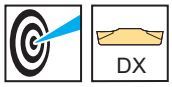




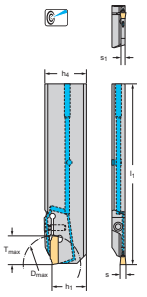
– Screw clamping
– Precision cooling







Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G4041-26R-2T17DX18C-P	2	0.079	17	35	26	110	21.3	1.6	DX18-2E2 ..
G4041-32R-2T21DX18C-P			21	42	32	110	21.3	1.6	
G4041-32R-3T21DX18C-P	3	0.118	21	42	32	110	21.3	2.5	DX18-3E3 .. DX18-3F3 ..
G4041-26L-2T17DX18C-P	2	0.079	17	35	26	110	21.3	1.6	DX18-2E2 ..
G4041-32L-2T21DX18C-P			21	42	32	110	21.3	1.6	
G4041-32L-3T21DX18C-P	3	0.118	21	42	32	110	21.3	2.5	DX18-3E3 .. DX18-3F3 ..

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 80 bar (1160 psi)

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–3
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3.5 Nm

Accessories

	s [mm]	2–3
	Screwdriver for grooving insert	FS1485 (T15IP)
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = → Average = → Poor = machining conditions

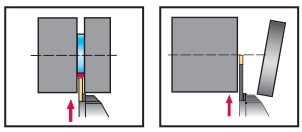
Grooving module – Radial grooving

G4635 mm

Walter Cut

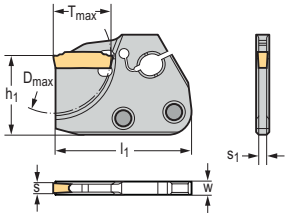


– Screw clamping
– Replacement module



DX

Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Type
G4635-30N-1.5T10DX18	1.5	0.059	10	35	24	4	42	1.2	DX18-1E1.5 ..
G4635-30N-2T17DX18	2	0.079	17	35	24	4	42	1.6	DX18-2E2 ..
G4635-30N-3T17DX18	3	0.118	17	35	24	4	42	2.4	DX18-3E3 .. DX18-3F3 ..

WALTER SELECT

●● Primary application ● Other application

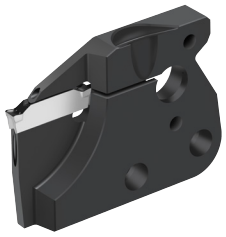
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

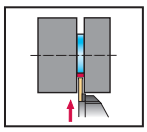
Grooving module – Radial grooving

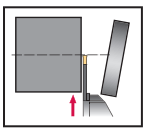
G4634-P mm

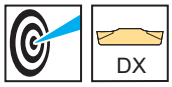
Walter Cut



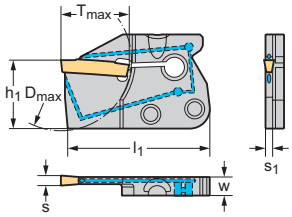
– Screw clamping
– Replacement module







Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Type
G4634-33L-2T13DX18-P	2	0.079	13	26	24	4	36	1.6	DX18-2E2 ..
G4634-33L-2T16DX18-P			16	32	24	7.2	46	1.6	
G4634-33L-3T16DX18-P	3	0.118	16	32	24	7.2	46	2.4	DX18-3E3 .. DX18-3F3 ..

If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
The maximum recommended coolant pressure is 150 bar (2175 psi)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Shank tool – Radial grooving

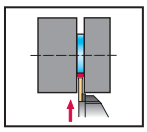
G1011 mm

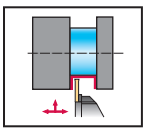
Walter Cut

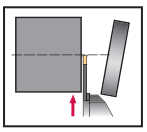




– Screw clamping



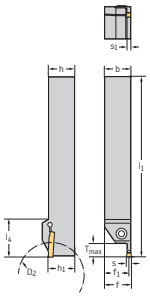
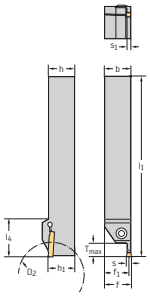
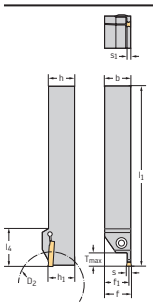








Tool

Designation	s mm	s inch	D_2 mm	T_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
 Square shank											
G1011.1616R-3T12GX24	3	0.118		12	16	16	14.8	135	35	2.4	GX24-2E3 .. GX24-2F3 ..
G1011.2020R-3T12GX24				12	20	20	18.8	145	35	2.4	
G1011.1616R-4T12GX24	4	0.157		12	16	16	14.3	135	35	3.4	GX24-3E4 .. GX24-3F4 ..
G1011.2020R-4T12GX24				12	20	20	18.3	145	35	3.4	
G1011.2525R-4T12GX24				12	25	25	23.3	145	35	3.4	
G1011.2020R-5T12GX24	5	0.197		12	20	20	17.9	145	35	4.2	GX24-3E5 .. GX24-3F5 ..
G1011.2525R-5T12GX24				12	25	25	22.9	145	35	4.2	
G1011.2020R-6T12GX24	6	0.236		12	20	20	17.4	145	35	5.2	GX24-4E6 ..
G1011.2525R-6T12GX24				12	25	25	22.4	145	35	5.2	
G1011.2525R-8T28GX30	8	0.315	120	28	25	25	22	165	55	6.1	GX30-5E8 ..
G1011.3232R-8T28GX30			120	28	32	32	29	165	55	6.1	
 Square shank											
G1011.1616R-2T21GX24	2	0.079		21	16	16	15.3	150	40.3	2	GX24-1E2 ..
G1011.2020R-2T21GX24				21	20	20	19.2	150	40	1.6	
G1011.1616R-3T21GX24	3	0.118	80	21	16	16	14.8	150	40.3	3	GX24-2E3 .. GX24-2F3 ..
G1011.2012R-3T21GX24			80	21	20	12	10.8	150	40	2.4	
G1011.2020R-3T21GX24			80	21	20	20	18.8	150	40	2.4	
G1011.2525R-3T12GX24				12	25	25	23.8	145	35	2.4	
G1011.2525R-3T21GX24			80	21	25	25	23.8	150	40	2.4	
G1011.1616R-4T21GX24	4	0.157	80	21	16	16	14.3	150	40	3.4	GX24-3E4 .. GX24-3F4 ..
G1011.2020R-4T21GX24			80	21	20	20	18.3	150	40	3.4	
G1011.2525R-4T21GX24			80	21	25	25	23.3	150	40	3.4	
G1011.2525R-4T32GX24				32	25	25	23.3	165	55	3.4	
G1011.2020R-5T21GX24	5	0.197	80	21	20	20	17.9	150	40	4.2	GX24-3E5 .. GX24-3F5 ..
G1011.2525R-5T21GX24			80	21	25	25	22.9	150	40	4.2	
G1011.2525R-5T32GX24			120	32	25	25	22.9	165	55	4.2	
G1011.2020R-6T21GX24	6	0.236	80	21	20	20	17.4	150	40	5.2	GX24-4E6 ..
G1011.2525R-6T21GX24			80	21	25	25	22.4	150	40	5.2	
G1011.2525R-6T32GX24			120	32	25	25	22.4	165	55	5.2	
 Square shank											
G1011.1616L-3T12GX24	3	0.118		12	16	16	14.8	135	35	2.4	GX24-2E3 .. GX24-2F3 ..
G1011.2020L-3T12GX24				12	20	20	18.8	145	35	2.4	
G1011.1616L-4T12GX24	4	0.157		12	16	16	14.3	135	35	3.4	GX24-3E4 .. GX24-3F4 ..
G1011.2020L-4T12GX24				12	20	20	18.3	145	35	3.4	
G1011.2525L-4T12GX24				12	25	25	23.3	145	35	3.4	
G1011.2020L-5T12GX24	5	0.197		12	20	20	17.9	145	35	4.2	GX24-3E5 .. GX24-3F5 ..
G1011.2525L-5T12GX24				12	25	25	22.9	145	35	4.2	

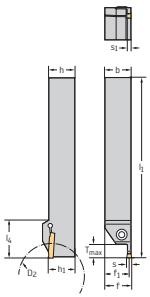
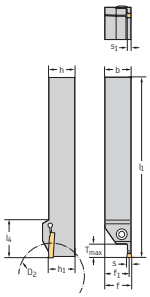
For T_{max} with diameters greater than D_2. see "Technical information – Grooving"
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

●● Primary application ● Other application

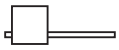
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Tool

Designation	s mm	s inch	D_2 mm	T_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
 Square shank											
G1011.2020L-6T12GX24	6	0.236		12	20	20	17.4	145	35	5.2	GX24-4E6 ..
G1011.2525L-6T12GX24				12	25	25	22.4	145	35	5.2	
G1011.2525L-8T28GX30	8	0.315	120	28	25	25	22	165	55	6.1	GX30-5E8 ..
G1011.3232L-8T28GX30			120	28	32	32	29	165	55	6.1	
 Square shank											
G1011.1616L-2T21GX24	2	0.079		21	16	16	15.3	150	40	1.6	GX24-1E2 ..
G1011.2020L-2T21GX24				21	20	20	19.2	150	40.3	2	
G1011.1616L-3T21GX24	3	0.118	80	21	16	16	14.8	150	40	2.4	GX24-2E3 .. GX24-2F3 ..
G1011.2012L-3T21GX24			80	21	20	12	10.8	150	40	2.4	
G1011.2020L-3T21GX24			80	21	20	20	18.8	150	40	2.4	
G1011.2525L-3T12GX24				12	25	25	23.8	145	35	2.4	
G1011.2525L-3T21GX24			80	21	25	25	23.8	150	40	2.4	
G1011.1616L-4T21GX24	4	0.157	80	21	16	16	14.3	150	40	3.4	GX24-3E4 .. GX24-3F4 ..
G1011.2020L-4T21GX24			80	21	20	20	18.3	150	40	3.4	
G1011.2525L-4T21GX24			80	21	25	25	23.3	150	40	3.4	
G1011.2525L-4T32GX24				32	25	25	23.3	165	55	3.4	
G1011.2020L-5T21GX24	5	0.197	80	21	20	20	17.9	150	40	4.2	GX24-3E5 .. GX24-3F5 ..
G1011.2525L-5T21GX24			80	21	25	25	22.9	150	40	4.2	
G1011.2525L-5T32GX24			120	32	25	25	22.9	165	55	4.2	
G1011.2020L-6T21GX24	6	0.236	80	21	20	20	17.4	150	40	5.2	GX24-4E6 ..
G1011.2525L-6T21GX24			80	21	25	25	22.4	150	40	5.2	
G1011.2525L-6T32GX24			120	32	25	25	22.4	165	55	5.2	

For T_{max} with diameters greater than D_2. see "Technical information – Grooving"
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–8
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

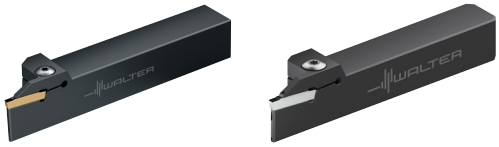
	s [mm]	2–8
	Torque screwdriver. analogue	FS2003
	Torque screwdriver. digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

A2

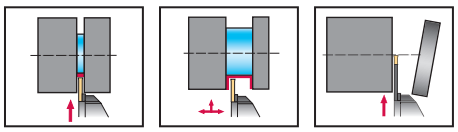
Shank tool – Radial grooving

G1011 inch

Walter Cut

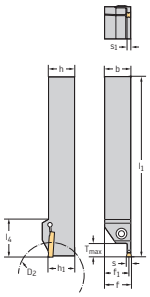
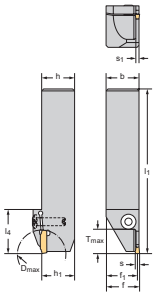
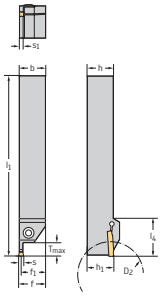


– Screw clamping





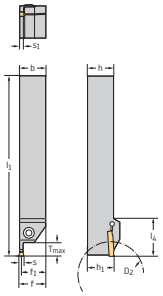
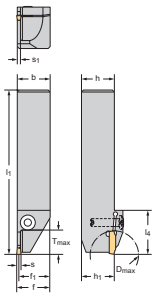
Tool

Designation	s mm	s inch	D_2 inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
 Square shank											
G1011.10R-3T12GX24	3	0.118		0.472	0.625	0.625	0.578	5.315	1.378	0.094	GX24-2E3 .. GX24-2F3 ..
G1011.12R-3T12GX24				0.472	0.750	0.750	0.701	5.709	1.378	0.094	
G1011.16R-3T12GX24				0.472	1.000	1.000	0.953	5.709	1.378	0.094	
G1011.12R-4T12GX24	4	0.157		0.472	0.750	0.750	0.685	5.709	1.378	0.134	GX24-3E4 .. GX24-3F4 ..
G1011.16R-4T12GX24				0.472	1.000	1.000	0.933	5.709	1.378	0.134	
G1011.16R-4T32GX24				1.260	1.000	1.000	0.933	6.496	2.165	0.134	
G1011.12R-5T12GX24	5	0.197		0.472	0.750	0.750	0.669	5.709	1.378	0.165	GX24-3E5 .. GX24-3F5 ..
G1011.12R-6T12GX24	6	0.236		0.472	0.750	0.750	0.646	5.709	1.378	0.205	GX24-4E6 ..
G1011.16R-6T12GX24				0.472	1.000	1.000	0.898	5.709	1.378	0.205	
G1011.16R-8T28GX30	8	0.315	4.724	1.102	1.000	1.000	0.882	6.496	2.165	0.24	GX30-5E8 ..
G1011.20R-8T38GX30			5.512	1.496	1.250	1.250	1.130	6.890	2.559	0.24	
G1011.24R-8T38GX30			5.512	1.496	1.500	1.500	1.378	6.890	2.559	0.24	
 Square shank											
G1011.12R-2T21GX24	2	0.079		0.827	0.750	0.750	0.72	5.906	1.575	0.063	GX24-1E2 ..
G1011.16R-2T21GX24				0.827	1.000	1.000	0.97	5.906	1.575	0.063	
G1011.10R-3T21GX24	3	0.118		0.827	0.625	0.625	0.578	5.906	1.575	0.094	GX24-2E3 .. GX24-2F3 ..
G1011.12R-3T21GX24				0.827	0.750	0.750	0.701	5.906	1.575	0.094	
G1011.16R-3T21GX24			3.150	0.827	1.000	1.000	0.953	5.906	1.575	0.094	
G1011.20R-3T21GX24			3.937	0.827	1.250	1.250	1.205	5.906	1.575	0.094	
G1011.12R-4T21GX24	4	0.157		0.827	0.750	0.750	0.685	5.906	1.575	0.134	GX24-3E4 .. GX24-3F4 ..
G1011.16R-4T21GX24			3.150	0.827	1.000	1.000	0.933	5.906	1.575	0.134	
G1011.20R-4T26GX24			3.937	1.024	1.250	1.250	1.181	6.142	1.811	0.134	
G1011.16R-5T21GX24	5	0.197		0.827	1.000	1.000	0.917	5.906	1.575	0.165	GX24-3E5 .. GX24-3F5 ..
G1011.16R-5T32GX24				1.260	1.000	1.000	0.917	6.496	2.165	0.165	
G1011.20R-5T26GX24			3.937	1.024	1.250	1.250	1.167	6.142	1.811	0.165	
G1011.12R-6T21GX24	6	0.236		0.827	0.750	0.750	0.646	5.906	1.575	0.205	GX24-4E6 ..
G1011.16R-6T21GX24				0.827	1.000	1.000	0.898	5.906	1.575	0.205	
G1011.16R-6T32GX24				1.260	1.000	1.000	0.898	6.496	2.165	0.205	
G1011.20R-6T21GX24			3.937	0.827	1.250	1.250	1.148	5.906	1.575	0.205	
G1011.20R-6T32GX24			5.512	1.260	1.250	1.250	1.148	6.496	2.165	0.205	
 Square shank											
G1011.10L-3T12GX24	3	0.118		0.472	0.625	0.625	0.578	5.315	1.378	0.094	GX24-2E3 .. GX24-2F3 ..
G1011.12L-3T12GX24				0.472	0.750	0.750	0.701	5.709	1.378	0.094	
G1011.16L-3T12GX24				0.472	1.000	1.000	0.953	5.709	1.378	0.094	
G1011.12L-4T12GX24	4	0.157		0.472	0.750	0.750	0.685	5.709	1.378	0.134	GX24-3E4 .. GX24-3F4 ..
G1011.16L-4T12GX24				0.472	1.000	1.000	0.933	5.709	1.378	0.134	
G1011.16L-4T32GX24				1.260	1.000	1.000	0.933	6.496	2.165	0.134	

For T_{max} with diameters greater than D_2, see "Technical information – Grooving"
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

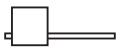
A2

Tool

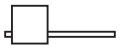
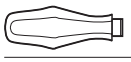
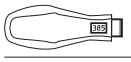
Designation	s mm	s inch	D_2 inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
 Square shank											
G1011.12L-6T12GX24	6	0.236		0.472	0.750	0.750	0.646	5.709	1.378	0.205	GX24-4E6 ..
G1011.16L-6T12GX24				0.472	1.000	1.000	0.898	5.709	1.378	0.205	
G1011.16L-8T28GX30	8	0.315	4.724	1.102	1.000	1.000	0.882	6.496	2.165	0.24	GX30-5E8 ..
G1011.20L-8T38GX30			5.512	1.496	1.250	1.250	1.130	6.890	2.559	0.24	
G1011.24L-8T38GX30			5.512	1.496	1.500	1.500	1.378	6.890	2.559	0.24	
 Square shank											
G1011.12L-2T21GX24	2	0.079		0.827	0.750	0.750	0.72	5.906	1.575	0.063	GX24-1E2 ..
G1011.16L-2T21GX24				0.827	1.000	1.000	0.97	5.906	1.575	0.063	
G1011.10L-3T21GX24	3	0.118		0.827	0.625	0.625	0.578	5.906	1.575	0.094	GX24-2E3 .. GX24-2F3 ..
G1011.12L-3T21GX24				0.827	0.750	0.750	0.701	5.906	1.575	0.094	
G1011.16L-3T21GX24			3.150	0.827	1.000	1.000	0.953	5.906	1.575	0.094	
G1011.20L-3T21GX24			3.937	0.827	1.250	1.250	1.205	5.906	1.575	0.094	
G1011.12L-4T21GX24	4	0.157		0.827	0.750	0.750	0.685	5.906	1.575	0.134	GX24-3E4 .. GX24-3F4 ..
G1011.16L-4T21GX24			3.150	0.827	1.000	1.000	0.933	5.906	1.575	0.134	
G1011.20L-4T26GX24			3.937	1.024	1.250	1.250	1.181	6.142	1.811	0.134	
G1011.16L-5T21GX24	5	0.197		0.827	1.000	1.000	0.917	5.906	1.575	0.165	GX24-3E5 .. GX24-3F5 ..
G1011.16L-5T32GX24				1.260	1.000	1.000	0.917	6.496	2.165	0.165	
G1011.20L-5T26GX24			3.937	1.024	1.250	1.250	1.167	6.142	1.811	0.165	
G1011.12L-6T21GX24	8	0.236		0.827	0.750	0.750	0.646	5.906	1.575	0.205	GX24-4E6 ..
G1011.16L-6T21GX24				0.827	1.000	1.000	0.898	5.906	1.575	0.205	
G1011.16L-6T32GX24				1.260	1.000	1.000	0.898	6.496	2.165	0.205	
G1011.20L-6T21GX24			3.937	0.827	1.250	1.250	1.148	5.906	1.575	0.205	
G1011.20L-6T32GX24			5.512	1.260	1.250	1.250	1.148	6.496	2.165	0.205	

For T_{max} with diameters greater than D_2, see "Technical information – Grooving"
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

s [inch]	0.08–0.32
 Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs
 Allen key	FS1464 (T20IP)

Accessories

s [inch]	0.08	0.12–0.32
 Torx key	FS1464 (T20IP)	
 Torque screwdriver, analogue	FS2004	FS2004
 Torque screwdriver, digital	FS2248	FS2248
 Interchangeable blade	FS2015 (T20IP)	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Shank tool – Radial grooving

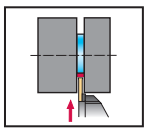
G1011...-P mm

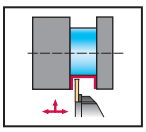
Walter Cut

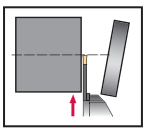




– Screw clamping
– Precision cooling

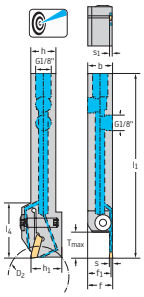
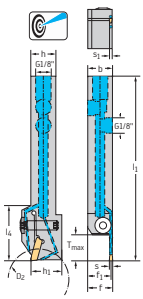
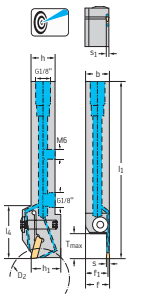








Tool

Designation	s mm	s inch	D_2 mm	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
 Square shank											
G1011.1616R-4T12GX24-P	4	0.157		12	16	16	14.3	120	35	3.4	GX24-3E4 .. GX24-3F4 ..
 Square shank											
G1011.1616R-2T21GX24-P	2	0.079	80	21	16	16	15.3	120	40	1.6	GX24-1E2 ..
G1011.1616R-3T12GX24-P	3	0.118		12	16	16	14.8	120	31.5	2.4	GX24-2E3 .. GX24-2F3 ..
G1011.1616R-3T21GX24-P			80	21	16	16	14.8	120	40	2.4	
 Square shank											
G1011.2020R-4T12GX24-P	4	0.157		12	20	20	18.3	120	35	3.4	GX24-3E4 .. GX24-3F4 ..
G1011.2020R-4T21GX24-P				21	20	20	18.3	125	40	3.4	
G1011.2525R-4T12GX24-P				12	25	25	23.3	125	35	3.4	
G1011.2525R-4T21GX24-P				21	25	25	23.3	130	40	3.4	
G1011.2525R-4T32GX24-P				32	25	25	23.3	145	55	3.4	
G1011.2020R-5T12GX24-P	5	0.197		12	20	20	17.9	120	35	4.2	GX24-3E5 .. GX24-3F5 ..
G1011.2020R-5T21GX24-P				21	20	20	17.9	125	40	4.2	
G1011.2525R-5T12GX24-P				12	25	25	22.9	125	35	4.2	
G1011.2525R-5T21GX24-P				21	25	25	22.9	130	40	4.2	
G1011.2525R-5T32GX24-P			120	32	25	25	22.9	145	55	4.2	
G1011.2525R-6T12GX24-P	6	0.236		12	25	25	22.4	125	35	5.2	GX24-4E6 ..
G1011.2525R-6T21GX24-P				21	25	25	22.4	130	40	5.2	
G1011.2525R-6T32GX24-P				32	25	25	22.4	145	55	5.2	
G1011.2525R-8T28GX30-P	8	0.315		28	25	25	22	145	55	6.1	GX30-5E8 ..
G1011.3225R-8T28GX30-P				28	32	25	22	145	55	6.1	

$f = f_1 + s/2$
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

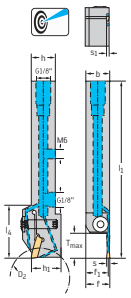
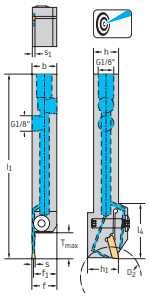
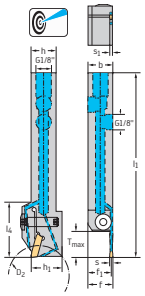
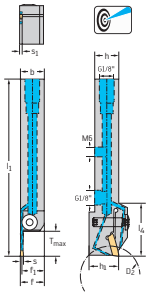
WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Tool

Designation	s mm	s inch	D_2 mm	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
 Square shank											
G1011.2020R-2T21GX24-P	2	0.079	80	21	20	20	19.2	125	40	1.6	GX24-1E2 ..
G1011.2525R-2T21GX24-P				21	25	25	24.2	130	40	1.5	
G1011.2020R-3T12GX24-P	3	0.118		12	20	20	18.8	120	31.5	2.4	GX24-2E3 .. GX24-2F3 ..
G1011.2020R-3T21GX24-P			80	21	20	20	18.8	125	40	2.4	
G1011.2020R-3T33GX34-P			140	33	20	20	18.8	140	53	2.4	GX34-2E3 ..
G1011.2525R-3T12GX24-P				12	25	25	23.8	125	35	2.4	GX24-2E3 .. GX24-2F3 ..
G1011.2525R-3T21GX24-P			80	21	25	25	23.8	130	40	2.4	
G1011.2525R-3T33GX34-P			140	33	25	25	23.8	145	53	2.4	GX34-2E3 ..
G1011.2020R-4T33GX34-P	4	0.157	140	33	20	20	18.4	140	53	3.3	GX34-3E4 ..
G1011.2525R-4T33GX34-P			140	33	25	25	23.4	145	53	3.3	
 Square shank											
G1011.1616L-4T12GX24-P	4	0.157		12	16	16	14.3	120	35	3.4	GX24-3E4 .. GX24-3F4 ..
 Square shank											
G1011.1616L-2T21GX24-P	2	0.079	80	21	16	16	15.3	120	40	1.6	GX24-1E2 ..
G1011.1616L-3T12GX24-P	3	0.118		12	16	16	14.8	120	31.5	2.4	GX24-2E3 .. GX24-2F3 ..
G1011.1616L-3T21GX24-P			80	21	16	16	14.8	120	40	2.4	
 Square shank											
G1011.2020L-4T12GX24-P	4	0.157		12	20	20	18.3	120	35	3.4	GX24-3E4 .. GX24-3F4 ..
G1011.2020L-4T21GX24-P				21	20	20	18.3	125	40	3.4	
G1011.2525L-4T12GX24-P				12	25	25	23.3	125	35	3.4	
G1011.2525L-4T21GX24-P				21	25	25	23.3	130	40	3.4	
G1011.2525L-4T32GX24-P				32	25	25	23.3	145	55	3.4	
G1011.2020L-5T12GX24-P	5	0.197		12	20	20	17.9	120	35	4.2	GX24-3E5 .. GX24-3F5 ..
G1011.2020L-5T21GX24-P				21	20	20	17.9	125	40	4.2	
G1011.2525L-5T12GX24-P				12	25	25	22.9	125	35	4.2	
G1011.2525L-5T21GX24-P				21	25	25	22.9	130	40	4.2	
G1011.2525L-5T32GX24-P			120	32	25	25	22.9	145	55	4.2	
G1011.2525L-6T12GX24-P	6	0.236		12	25	25	22.4	125	35	5.2	GX24-4E6 ..
G1011.2525L-6T21GX24-P				21	25	25	22.4	130	40	5.2	
G1011.2525L-6T32GX24-P				32	25	25	22.4	145	55	5.2	
G1011.2525L-8T28GX30-P	8	0.315		28	25	25	22	145	55	6.1	GX30-5E8 ..
G1011.3225L-8T28GX30-P				28	32	25	22	145	55	6.1	

$f = f_1 + s/2$
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

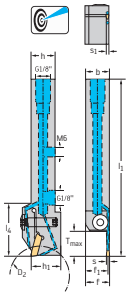
A2

Shank tool – Radial grooving

G1011...-P (cont.) mm

Walter Cut

Tool



Square shank

Designation	s mm	s inch	D_2 mm	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
G1011.2020L-2T21GX24-P	2	0.079	80	21	20	20	19.2	125	40	1.6	GX24-1E2 ..
G1011.2525L-2T21GX24-P				21	25	25	24.2	130	40	1.5	
G1011.2020L-3T12GX24-P	3	0.118		12	20	20	18.8	120	31.5	2.4	GX24-2E3 .. GX24-2F3 ..
G1011.2020L-3T21GX24-P			80	21	20	20	18.8	125	40	2.4	
G1011.2020L-3T33GX34-P			140	33	20	20	18.8	140	53	2.4	GX34-2E3 ..
G1011.2525L-3T12GX24-P				12	25	25	23.8	125	35	2.4	GX24-2E3 .. GX24-2F3 ..
G1011.2525L-3T21GX24-P			80	21	25	25	23.8	130	40	2.4	
G1011.2525L-3T33GX34-P			140	33	25	25	23.8	145	53	2.4	GX34-2E3 ..
G1011.2020L-4T33GX34-P	4	0.157	140	33	20	20	18.4	140	53	3.3	GX34-3E4 ..
G1011.2525L-4T33GX34-P			140	33	25	25	23.4	145	53	3.3	

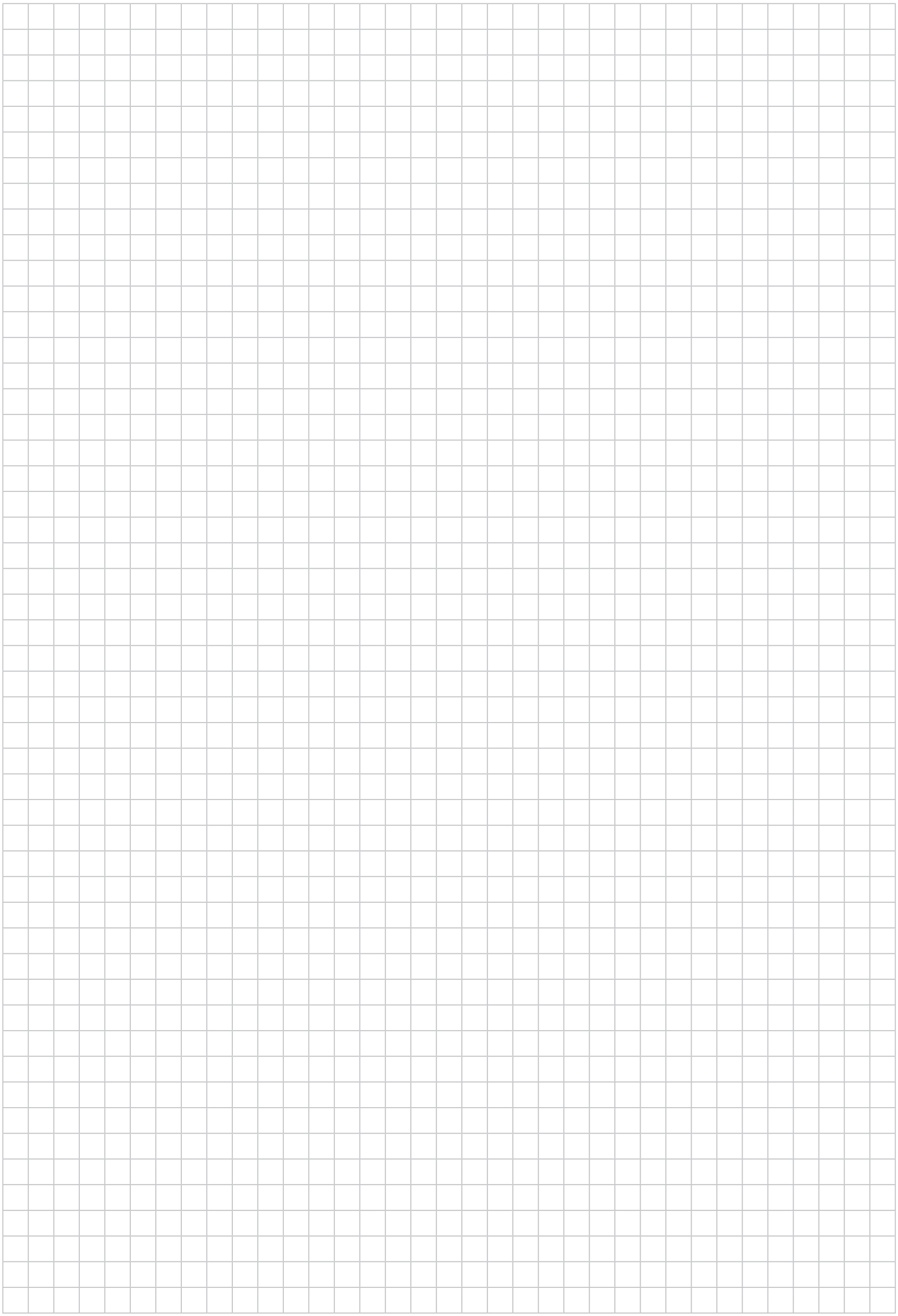
$f = f_1 + s/2$
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–4	5–8
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm	FS2118 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	M6 threaded plug		FS2288 (SW 3)
	Torx key	FS1464 (T20IP)	FS1464 (T20IP)

Accessories

	s [mm]	2–8
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)



A2

Shank tool – Radial grooving

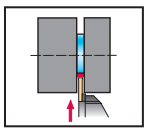
G1011...-P inch

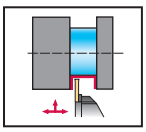
Walter Cut

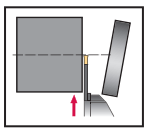




– Screw clamping
– Precision cooling

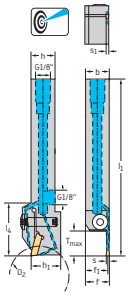
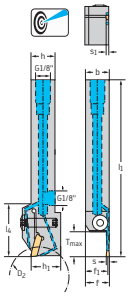
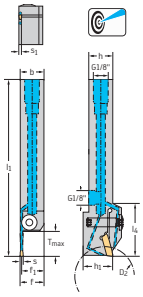








Tool

	Designation	s mm	s inch	D_2 inch	T_{max} inch	h = h_1 inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
 Square shank	G1011.12R-4T21GX24-P	4	0.157		0.827	0.750	0.750	0.685	5.906	1.575	0.134	GX24-3E4 .. GX24-3F4 ..
	G1011.16R-4T12GX24-P				0.472	1.000	1.000	0.933	5.709	1.378	0.134	
	G1011.16R-4T21GX24-P			3.150	0.827	1.000	1.000	0.933	5.906	1.575	0.134	
	G1011.16R-4T32GX24-P				1.260	1.000	1.000	0.933	5.906	2.165	0.134	
	G1011.12R-5T21GX24-P	5	0.197		0.827	0.750	0.750	0.669	5.906	1.575	0.165	GX24-3E5 .. GX24-3F5 ..
	G1011.16R-5T12GX24-P				0.472	1.000	1.000	0.917	5.709	1.378	0.165	
	G1011.16R-5T21GX24-P				0.827	1.000	1.000	0.917	5.906	1.575	0.165	
	G1011.16R-5T32GX24-P				1.260	1.000	1.000	0.917	5.906	2.165	0.165	
	G1011.16R-6T12GX24-P	6	0.236		0.472	1.000	1.000	0.898	5.709	1.378	0.205	GX24-4E6 ..
	G1011.16R-6T21GX24-P				0.827	1.000	1.000	0.898	5.906	1.575	0.205	
	G1011.16R-6T32GX24-P				1.260	1.000	1.000	0.898	5.906	2.165	0.205	
 Square shank	G1011.12R-3T21GX24-P	3	0.118	3.150	0.827	0.750	0.750	0.701	5.906	1.575	0.094	GX24-2E3 .. GX24-2F3 ..
	G1011.12R-3T33GX34-P			5.512	1.299	0.750	0.750	0.703	5.906	2.087	0.094	GX34-2E3 ..
	G1011.16R-3T12GX24-P				0.472	1.000	1.000	0.953	5.906	1.575	0.094	GX24-2E3 .. GX24-2F3 ..
	G1011.16R-3T21GX24-P			3.150	0.827	1.000	1.000	0.953	5.906	1.575	0.094	
	G1011.16R-3T33GX34-P			5.512	1.299	1.000	1.000	0.953	5.906	2.087	0.094	GX34-2E3 ..
	G1011.12R-4T33GX34-P	4	0.157	5.512	1.299	0.750	0.750	0.685	5.906	2.087	0.130	GX34-3E4 ..
	G1011.16R-4T33GX34-P			5.512	1.299	1.000	1.000	0.937	5.906	2.087	0.130	
 Square shank	G1011.12L-4T21GX24-P	4	0.157		0.827	0.750	0.750	0.685	5.906	1.575	0.134	GX24-3E4 .. GX24-3F4 ..
	G1011.16L-4T21GX24-P			3.150	0.827	1.000	1.000	0.933	5.906	1.575	0.134	
	G1011.16L-4T32GX24-P				1.260	1.000	1.000	0.933	5.906	2.165	0.134	
	G1011.12L-5T21GX24-P	5	0.197		0.827	0.750	0.750	0.669	5.906	1.575	0.165	GX24-3E5 .. GX24-3F5 ..
	G1011.16L-5T12GX24-P				0.472	1.000	1.000	0.917	5.709	1.378	0.165	
	G1011.16L-5T21GX24-P				0.827	1.000	1.000	0.917	5.906	1.575	0.165	
	G1011.16L-5T32GX24-P				1.260	1.000	1.000	0.917	5.906	2.165	0.165	
	G1011.16L-6T12GX24-P	6	0.236		0.472	1.000	1.000	0.898	5.709	1.378	0.205	GX24-4E6 ..
	G1011.16L-6T21GX24-P				0.827	1.000	1.000	0.898	5.906	1.575	0.205	
	G1011.16L-6T32GX24-P				1.260	1.000	1.000	0.898	5.906	2.165	0.205	

Square shank

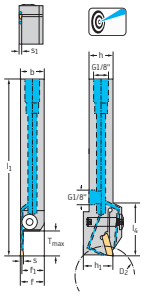
$f = f_1 + s/2$
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Tool

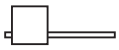
Designation	s mm	s inch	D_2 inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
G1011.12L-3T21GX24-P	3	0.118	3.150	0.827	0.750	0.750	0.701	5.906	1.575	0.094	GX24-2E3 .. GX24-2F3 ..
G1011.12L-3T33GX34-P			5.512	1.299	0.750	0.750	0.703	5.906	2.087	0.094	GX34-2E3 ..
G1011.16L-3T12GX24-P				0.472	1.000	1.000	0.953	5.906	1.575	0.094	GX24-2E3 .. GX24-2F3 ..
G1011.16L-3T21GX24-P			3.150	0.827	1.000	1.000	0.953	5.906	1.575	0.094	
G1011.16L-3T33GX34-P			5.512	1.299	1.000	1.000	0.953	5.906	2.087	0.094	GX34-2E3 ..
G1011.12L-4T33GX34-P	4	0.157	5.512	1.299	0.750	0.750	0.685	5.906	2.087	0.130	GX34-3E4 ..
G1011.16L-4T33GX34-P			5.512	1.299	1.000	1.000	0.937	5.906	2.087	0.130	



Square shank

$f = f_1 + s/2$
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.12–0.24
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1464 (T20IP)

Accessories

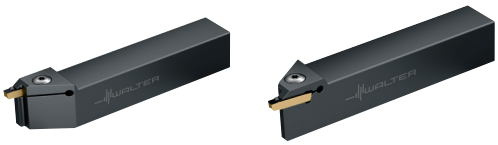
	s [inch]	0.12–0.24
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

A2

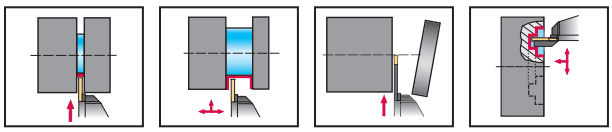
Shank tool – Universal

G1511 mm

Walter Cut



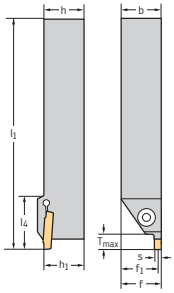
– Screw clamping





Tool

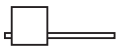
Designation	s mm	s inch	T_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
G1511.2020R-T6GX24	2–6	0.079–0.236	6	20	20	17.9	143.5	33.5	GX24- ..
G1511.2525R-T6GX24			6	25	25	22.9	143.5	33.5	
G1511.2020L-T6GX24	2–6	0.079–0.236	6	20	20	17.9	143.5	33.5	GX24- ..
G1511.2525L-T6GX24			6	25	25	22.9	143.5	33.5	



Square shank

Dimensional drawing shows right-hand version.
For information on the smallest possible axial groove [D_{min}], see "Technical information"
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–6
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2–6
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

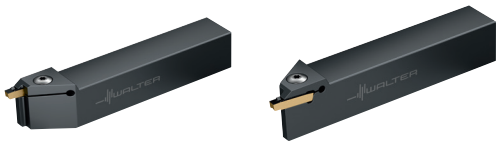
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

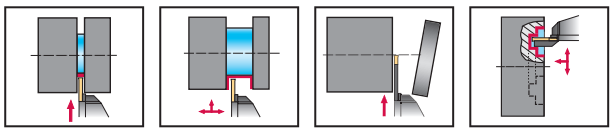
Shank tool – Universal

G1511 inch

Walter Cut



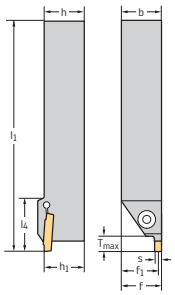
– Screw clamping





Tool

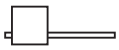
Designation	s mm	s inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	Type
G1511.12R-T6GX24	2–6	0.079–0.236	0.236	0.750	0.750	0.665	5.61	1.319	GX24- ..
G1511.16R-T6GX24			0.236	1.000	1.000	0.911	5.665	1.319	
G1511.12L-T6GX24	2–6	0.079–0.236	0.236	0.750	0.750	0.665	5.61	1.319	GX24- ..
G1511.16L-T6GX24			0.236	1.000	1.000	0.911	5.665	1.319	



Square shank

Dimensional drawing shows right-hand version.
For information on the smallest possible axial groove [D_{min}], see "Technical information"
$f = f_1 + s/2$

Assembly parts

	s [inch]	0.079–0.236
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs
	Torx key	FS1464 (T20IP)

Accessories

	s [inch]	0.079–0.236
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

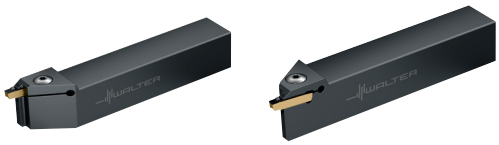
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

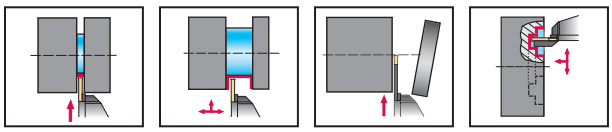
Shank tool – Universal

G1511...-P mm

Walter Cut

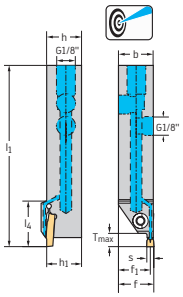
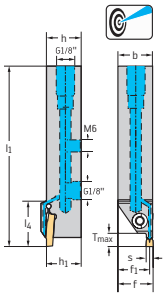
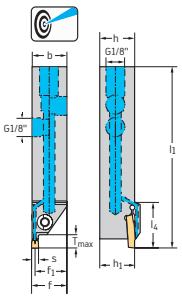


– Screw clamping
– Precision cooling





Tool

Designation	s mm	s inch	T_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
 G1511.1616R-T6GX24-P	2–6	0.079–0.236	6	16	16	13.9	120	33	GX24- ..
Square shank									
 G1511.2020R-T6GX24-P	2–6	0.079–0.236	6	20	20	17.9	120	33.5	GX24- ..
G1511.2525R-T6GX24-P			6	25	25	22.9	130	32.9	
Square shank									
 G1511.1616L-T6GX24-P	2–6	0.079–0.236	6	16	16	13.9	120	33	GX24- ..
Square shank									

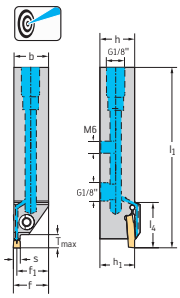
For information on the smallest possible axial groove [D_{min}], see "Technical information"
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = → Average = → Poor = machining conditions

Tool

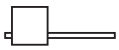
Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
G1511.2020L-T6GX24-P	2–6	0.079–0.236	6	20	20	17.9	120	33.5	GX24- ..
G1511.2525L-T6GX24-P			6	25	25	22.9	130	32.9	



Square shank

For information on the smallest possible axial groove [D_{min}], see "Technical information"
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–6
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1464 (T20IP)

Accessories

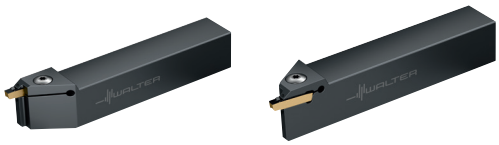
	s [mm]	2–6
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

A2

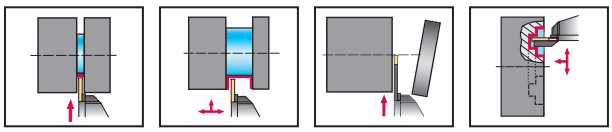
Shank tool – Universal

G1511...-P inch

Walter Cut



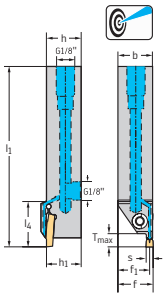
– Screw clamping
– Precision cooling





Tool

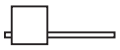
Designation	s mm	s inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	Type
G1511.16R-T6GX24-P	2–6	0.079–0.236	0.236	1.000	1.000	0.915	5.906	1.299	GX24- ..
G1511.16L-T6GX24-P	2–6	0.079–0.236	0.236	1.000	1.000	0.915	5.906	1.299	GX24- ..



Square shank

Dimensional drawing shows right-hand version.
For information on the smallest possible axial groove [D_{min}], see "Technical information"
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.079–0.236
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1464 (T20IP)

Accessories

	s [inch]	0.079–0.236
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Shank tool – 90° universal

G1521 mm

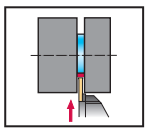
Walter Cut

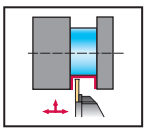


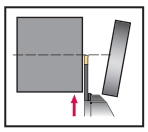


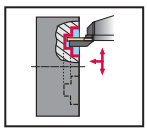
A2

– Screw clamping







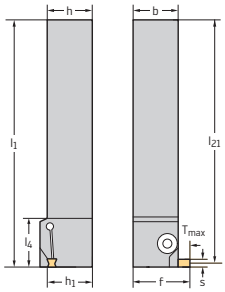






Tool

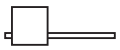
Designation	s mm	s inch	T_{max} mm	h = h_1 mm	b mm	l_1 mm	l_4 mm	f_1 mm	l_{21} mm	Type
G1521.2020R-T6GX24	2–6	0.079–0.236	6	20	20	137.85	27	26.5	134.9	GX24- ..
G1521.2525R-T6GX24			6	25	25	137.85	27	31.5	134.9	
G1521.2020L-T6GX24	2–6	0.079–0.236	6	20	20	137.85	27	26.5	134.9	GX24- ..
G1521.2525L-T6GX24			6	25	25	137.85	27	31.5	134.9	



Square shank

Dimensional drawing shows right-hand version.
$l_1 = l_{21} + s/2$
For information on the smallest possible axial groove [D_{min}], see "Technical information"
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–6
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2–6
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Shank tool – 90° universal

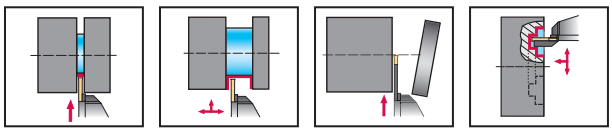
G1521 inch

Walter Cut





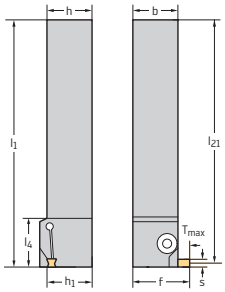
– Screw clamping





Tool

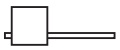
Designation	s mm	s inch	T_{max} inch	$h = h_1$ inch	b inch	l_1 inch	l_4 inch	f_1 inch	l_{21} inch	Type
G1521.12R-T6GX24	2–6	0.079–0.236	0.236	0.750	0.750	5.388	0.939	1.006	5.270	GX24- ..
G1521.16R-T6GX24			0.236	1.000	1.000	5.443	0.994	1.256	5.325	
G1521.16L-T6GX24	2–6	0.079–0.236	0.236	1.000	1.000	5.443	0.994	1.256	5.325	GX24- ..



Square shank

Dimensional drawing shows right-hand version.
$l_1 = l_{21} + s/2$
For information on the smallest possible axial groove [D_{min}], see "Technical information"
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.079–0.236
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs
	Torx key	FS1464 (T20IP)

Accessories

	s [inch]	0.079–0.236
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

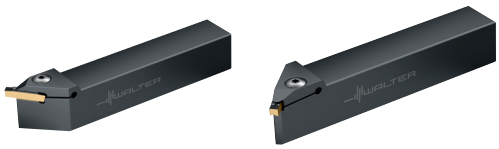
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

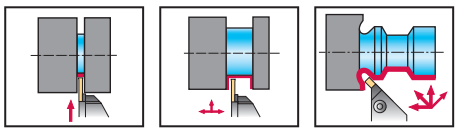
Shank tool – 45° universal

G1551 mm

Walter Cut



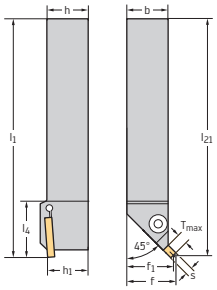
– Screw clamping





Tool

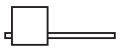
Designation	s mm	s inch	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	l_{21} mm	Type
G1551.2020R-T6GX24	2–6	0.079–0.236	6	20	20	23.2	146.75	33.1	143.1	GX24- ..
G1551.2525R-T6GX24			6	25	25	28.2	146.75	33.1	143.1	
G1551.2020L-T6GX24	2–6	0.079–0.236	6	20	20	23.2	146.75	33.1	143.1	GX24- ..
G1551.2525L-T6GX24			6	25	25	28.2	146.75	33.1	143.1	



Square shank

Dimensional drawing shows right-hand version.
$f = f_1 + 0.707 \times s/2$
$l_1 = l_{21} + 0.707 \times s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–6
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2–6
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

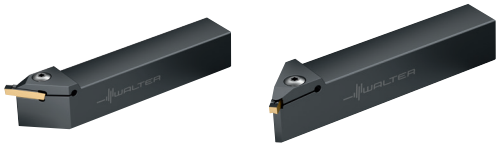
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

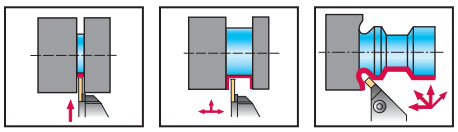
Shank tool – 45° universal

G1551 inch

Walter Cut



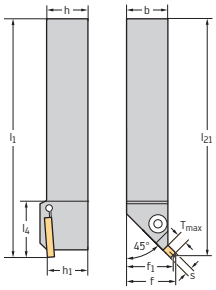
– Screw clamping





Tool

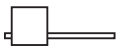
Designation	s mm	s inch	T_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	l_{21} inch	Type
G1551.12R-T6GX24	2–6	0.079–0.236	0.236	0.750	0.750	0.874	5.74	1.264	5.594	GX24- ..
G1551.16R-T6GX24			0.236	1.000	1.000	1.122	5.778	1.301	5.632	
G1551.16L-T6GX24	2–6	0.079–0.236	0.236	1.000	1.000	1.122	5.778	1.301	5.632	GX24- ..



Square shank

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [inch]	0.079–0.236
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs
	Torx key	FS1464 (T20IP)

Accessories

	s [inch]	0.079–0.236
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Deep parting blade

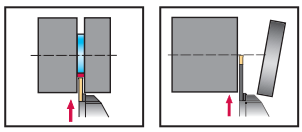
G1042 mm

Walter Cut



A2

– Self-clamping system





Tool

Designation	s mm	s inch	T_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G1042.26N-2T40GX24	2	0.079	40	26	108	21.1	1.5	GX24-1E2 ..
G1042.32N-2T50GX24			50	32	149	24.8	1.5	
G1042.26N-3T40GX24	3	0.118	40	26	108	21	2.3	GX24-2E3 .. GX24-2F3 ..
G1042.32N-3T50GX24			50	32	149	24.7	2.3	
G1042.26N-4T40GX24	4	0.157	40	26	108	20.9	3.2	GX24-3E4 .. GX24-3F4 ..
G1042.32N-4T50GX24			50	32	149	24.6	3.2	
G1042.32N-5T60GX24	5	0.197	60	32	149	24.5	3.9	GX24-3E5 .. GX24-3F5 ..
G1042.32N-6T60GX24	6	0.236	60	32	149	24.4	4.7	GX24-4E6 ..

Accessories

	s [mm]	2–6
	Mounting wrench for grooving insert	FS1494

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

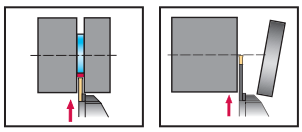
Reinforced parting blade

G1041 mm

Walter Cut

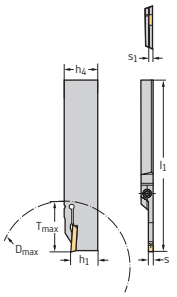


– Screw clamping





Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G1041.26R-2T23GX24	2	0.079	23	46	26	110	21	1.5	GX24-1E2 ..
G1041.32R-2T32GX24			32	65	32	110	24.6	1.5	
G1041.26R-3T23GX24	3	0.118	23	46	26	110	21	2.2	GX24-2E3 .. GX24-2F3 ..
G1041.32R-3T23GX24			23	46	32	110	24.6	2.2	
G1041.32R-3T32GX24			32	65	32	110	24.6	2.2	
G1041.32R-4T32GX24	4	0.157	32	65	32	110	24.6	3.1	GX24-3E4 .. GX24-3F4 ..
G1041.26L-2T23GX24	2	0.079	23	46	26	110	21	1.5	GX24-1E2 ..
G1041.32L-2T32GX24			32	65	32	110	24.6	1.5	
G1041.26L-3T23GX24	3	0.118	23	46	26	110	21	2.2	GX24-2E3 .. GX24-2F3 ..
G1041.32L-3T23GX24			23	46	32	110	24.6	2.2	
G1041.32L-3T32GX24			32	65	32	110	24.6	2.2	
G1041.32L-4T32GX24	4	0.157	32	65	32	110	24.6	3.1	GX24-3E4 .. GX24-3F4 ..

Dimensional drawing shows right-hand version.

Assembly parts

	s [mm]	2–4
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3.5 Nm

Accessories

	s [mm]	2–4
	Screwdriver for grooving insert	FS1485 (T15IP)
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = → Average = → Poor = machining conditions

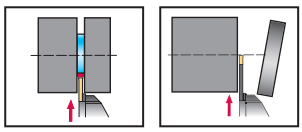
Reinforced parting blade – Contra

G1041...C mm

Walter Cut

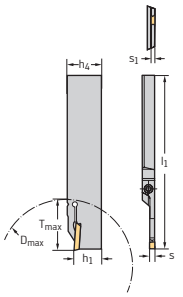


– Screw clamping





Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G1041.26R-2T23GX24C	2	0.079	23	46	26	110	21	1.5	GX24-1E2 ..
G1041.32R-2T32GX24C			32	65	32	110	24.6	1.5	
G1041.26R-3T23GX24C	3	0.118	23	46	26	110	21	2.2	GX24-2E3 .. GX24-2F3 ..
G1041.32R-3T23GX24C			23	46	32	110	24.6	2.2	
G1041.32R-3T32GX24C			32	65	32	110	24.6	2.2	
G1041.32R-4T32GX24C	4	0.157	32	65	32	110	24.6	3.1	GX24-3E4 .. GX24-3F4 ..
G1041.26L-2T23GX24C	2	0.079	23	46	26	110	21	1.5	GX24-1E2 ..
G1041.32L-2T32GX24C			32	65	32	110	24.6	1.5	
G1041.26L-3T23GX24C	3	0.118	23	46	26	110	21	2.2	GX24-2E3 .. GX24-2F3 ..
G1041.32L-3T23GX24C			23	46	32	110	24.6	2.2	
G1041.32L-3T32GX24C			32	65	32	110	24.6	2.2	
G1041.32L-4T32GX24C	4	0.157	32	65	32	110	24.6	3.1	GX24-3E4 .. GX24-3F4 ..

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–4
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3.5 Nm

Accessories

	s [mm]	2–4
	Screwdriver for grooving insert	FS1485 (T15IP)
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Reinforced parting blade – Contra

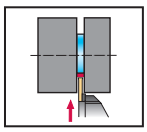
G1041...C-P mm

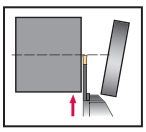
Walter Cut





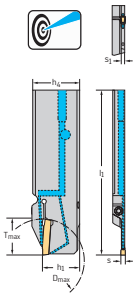
– Screw clamping
– Precision cooling







Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G1041.32R-2T23GX24C-P	2	0.079	23	46	32	110	24.6	1.5	GX24-1E2 ..
G1041.26R-3T23GX24C-P	3	0.118	23	46	26	110	21	2.2	GX24-2E3 .. GX24-2F3 ..
G1041.32R-3T23GX24C-P			23	46	32	110	24.6	2.2	
G1041.32R-3T32GX24C-P			32	65	32	110	24.6	2.2	
G1041.32R-3T33GX34C-P			33	65	32	110	24.6	2.4	GX34-2E3 ..
G1041.32R-4T32GX24C-P	4	0.157	32	65	32	110	24.6	3.1	GX24-3E4 .. GX24-3F4 ..
G1041.32R-4T33GX34C-P			33	65	32	110	24.6	3.3	GX34-3E4 ..
G1041.32L-2T23GX24C-P	2	0.079	23	46	32	110	24.6	1.5	GX24-1E2 ..
G1041.26L-3T23GX24C-P	3	0.118	23	46	26	110	21	2.2	GX24-2E3 .. GX24-2F3 ..
G1041.32L-3T23GX24C-P			23	46	32	110	24.6	2.2	
G1041.32L-3T32GX24C-P			32	65	32	110	24.6	2.2	
G1041.32L-3T33GX34C-P			33	65	32	110	24.6	2.4	GX34-2E3 ..
G1041.32L-4T32GX24C-P	4	0.157	32	65	32	110	24.6	3.1	GX24-3E4 .. GX24-3F4 ..

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–4
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3.5 Nm

Accessories

	s [mm]	2–4
	Screwdriver for grooving insert	FS1485 (T15IP)
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)

WALTER SELECT

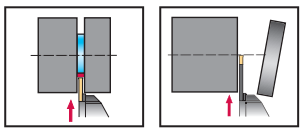
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Reinforced parting blade
G1041...-P mm
Walter Cut

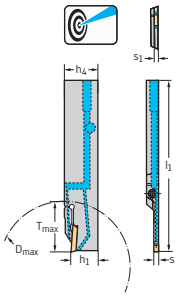


– Screw clamping
– Precision cooling





Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G1041.26R-3T23GX24-P	3	0.118	23	46	26	110	21	2.2	GX24-2E3 .. GX24-2F3 ..
G1041.32R-3T23GX24-P			23	46	32	110	24.6	2.2	
G1041.32R-3T32GX24-P			32	65	32	110	24.6	2.2	
G1041.32R-3T33GX34-P			33	65	32	110	24.6	2.4	GX34-2E3 ..
G1041.32R-4T32GX24-P	4	0.157	32	65	32	110	24.6	3.1	GX24-3E4 .. GX24-3F4 ..
G1041.32R-4T33GX34-P			33	65	32	110	24.6	3.3	GX34-3E4 ..
G1041.26L-3T23GX24-P	3	0.118	23	46	26	110	21	2.2	GX24-2E3 .. GX24-2F3 ..
G1041.32L-3T23GX24-P			23	46	32	110	24.6	2.2	
G1041.32L-3T32GX24-P			32	65	32	110	24.6	2.2	
G1041.32L-3T33GX34-P			33	65	32	110	24.6	2.4	GX34-2E3 ..
G1041.32L-4T32GX24-P	4	0.157	32	65	32	110	24.6	3.1	GX24-3E4 .. GX24-3F4 ..

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	3–4
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3.5 Nm

Accessories

	s [mm]	3–4
	Screwdriver for grooving insert	FS1485 (T15IP)
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

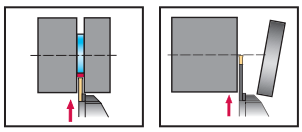
Deep parting blade

XLCFN mm

Walter Cut

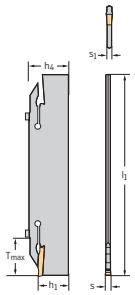


– Screw clamping





Tool



Designation	s mm	s inch	T_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
XLCFN3203-GX24-2S	3	0.118	21	32	179	24.2		GX24-2E3 .. GX24-2F3 ..
XLCFN3204-GX24-3S	4	0.157	21	32	179	24.2		GX24-3E4 .. GX24-3F4 ..
XLCFN3206-GX24-4S	6	0.236	21	32	179	24.2		GX24-4E6 ..

Assembly parts

	s [mm]	3–6
	Clamping screw for grooving insert Tightening torque	FS1342 (T15) 2 Nm

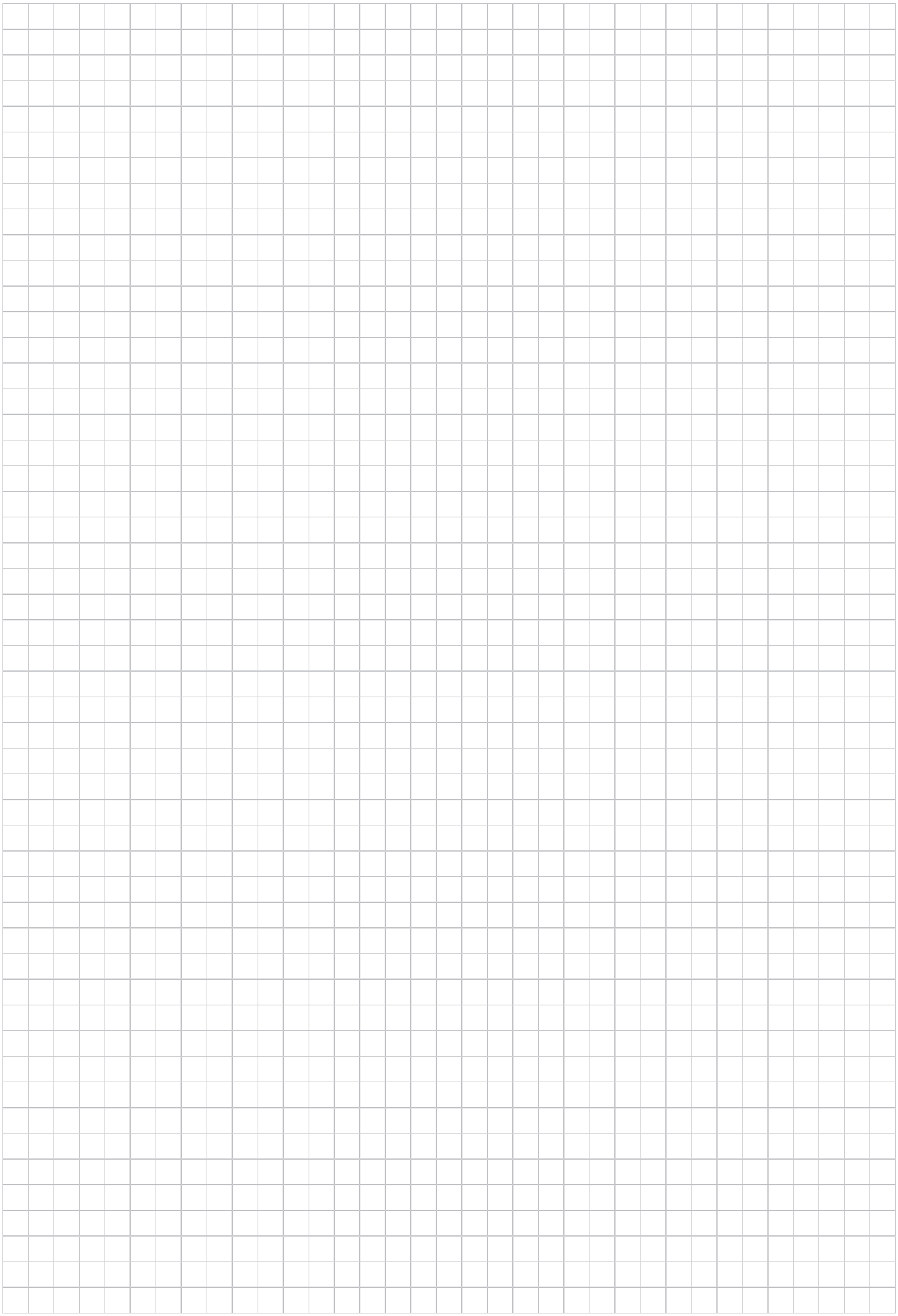
Accessories

	s [mm]	3–6
	Handle key for grooving insert	FS1047 (T15)

WALTER SELECT

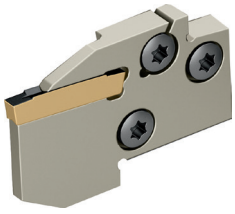
●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

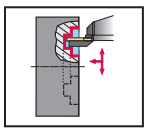


A2

Grooving module – Radial grooving
MSS...E...

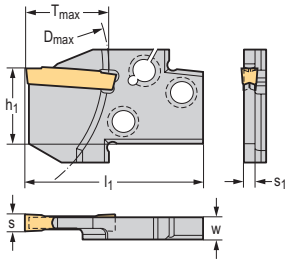


– Screw clamping

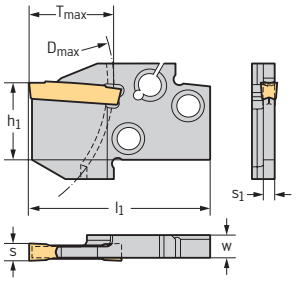




Tool



Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
MSS-E20L03-GX16-2	0.6	3	63	16	4.4	33	2	E20	GX16-2S ..
MSS-E25L03-GX16-2		3	79	20	5.9	38	2	E25	
MSS-E32L03-GX16-2		3	100	25.5	5.9	45	2	E32	
MSS-E16L02-GX09-1	2	2	52	12.5	3.8	24	1.3	E16	GX09-1S ..
MSS-E16L07-GX09-1		7	52	12.5	3.8	24	1.3	E16	GX09-1E1 ..
MSS-E20L12-GX16-1		12	63	16	4.4	33	1.3	E20	GX16-1E2 ..
MSS-E25L12-GX16-1		12	79	20	5.9	38	1.3	E25	
MSS-E16L07-GX09-2	3	7	52	12.5	3.8	24	2	E16	GX09-2E3 ..
MSS-E20L12-GX16-2		12	63	16	4.4	33	2	E20	GX16-2E3 ..
MSS-E20L21-GX24-2		21	63	16	4.4	42	2	E20	GX24-2E3 .. GX24-2F3 ..
MSS-E25L12-GX16-2		12	79	20	5.9	38	2	E25	GX16-2E3 ..
MSS-E25L21-GX24-2		21	79	20	5.9	47	2	E25	GX24-2E3 .. GX24-2F3 ..
MSS-E32L12-GX16-2		12	100	25.5	5.9	45	2	E32	GX16-2E3 ..
MSS-E20L12-GX16-3	4	12	63	16	4.4	33	3	E20	GX16-3E ..
MSS-E25L12-GX16-3		12	79	20	5.9	38	3	E25	
MSS-E25L21-GX24-3		21	79	20	5.9	47	3	E25	GX24-3E4 .. GX24-3F4 ..
MSS-E32L12-GX16-3		12	100	25.5	5.9	45	3	E32	GX16-3E ..
MSS-E32L21-GX24-3		21	100	25.5	5.9	54	3	E32	GX24-3E4 .. GX24-3F4 ..
MSS-E25L12-GX16-4	6	12	79	20	5.9	38	4.2	E25	GX16-4E6 ..
MSS-E25L21-GX24-4		21	79	20	5.9	47	4.2	E25	GX24-4E6 ..
MSS-E32L21-GX24-4		21	100	25.5	5.9	54	4.2	E32	
MSS-E25L21-GX24-5	8	21	79	20	5.9	47	5.9	E25	GX24-5R ..



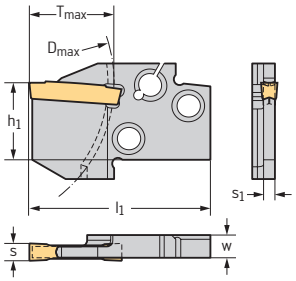
Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
MSS-E20R03-GX16-2	0.6	3	63	16	4.4	33	2	E20	GX16-2S ..
MSS-E25R03-GX16-2		3	79	20	5.9	38	2	E25	
MSS-E32R03-GX16-2		3	100	25.5	5.9	45	2	E32	
MSS-E16R02-GX09-1	2	2	52	12.5	3.8	24	1.3	E16	GX09-1S ..
MSS-E16R07-GX09-1		7	52	12.5	3.8	24	1.3	E16	GX09-1E1 ..
MSS-E20R12-GX16-1		12	63	16	4.4	33	1.3	E20	GX16-1E2 ..
MSS-E25R12-GX16-1		12	79	20	5.9	38	1.3	E25	
MSS-E16R07-GX09-2	3	7	52	12.5	3.8	24	2	E16	GX09-2E3 ..
MSS-E20R12-GX16-2		12	63	16	4.4	33	2	E20	GX16-2E3 ..
MSS-E20R21-GX24-2		21	63	16	4.4	42	2	E20	GX24-2E3 .. GX24-2F3 ..
MSS-E25R12-GX16-2		12	79	20	5.9	38	2	E25	GX16-2E3 ..
MSS-E25R21-GX24-2		21	79	20	5.9	47	2	E25	GX24-2E3 .. GX24-2F3 ..
MSS-E32R12-GX16-2		12	100	25.5	5.9	45	2	E32	GX16-2E3 ..

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Tool



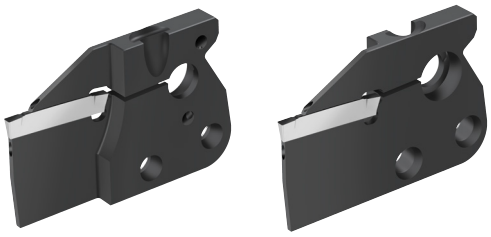
Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
MSS-E20R12-GX16-3	4	12	63	16	4.4	33	3	E20	GX16-3E ..
MSS-E25R12-GX16-3		12	79	20	5.9	38	3	E25	
MSS-E25R21-GX24-3		21	79	20	5.9	47	3	E25	GX24-3E4 .. GX24-3F4 ..
MSS-E32R12-GX16-3		12	100	25.5	5.9	45	3	E32	GX16-3E ..
MSS-E32R21-GX24-3		21	100	25.5	5.9	54	3	E32	GX24-3E4 .. GX24-3F4 ..
MSS-E25R12-GX16-4	6	12	79	20	5.9	38	4.2	E25	GX16-4E6 ..
MSS-E25R21-GX24-4		21	79	20	5.9	47	4.2	E25	GX24-4E6 ..
MSS-E32R21-GX24-4		21	100	25.5	5.9	54	4.2	E32	
MSS-E25R21-GX24-5	8	21	79	20	5.9	47	5.9	E25	GX24-5R ..

A2

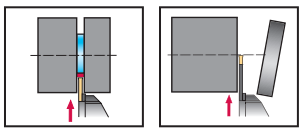
Grooving module – Radial grooving

G1634-P mm

Walter Cut

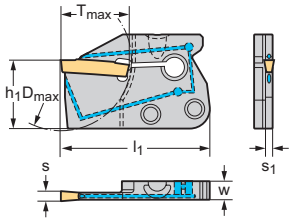


– Screw clamping
– Replacement module





Tool



Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Type
G1634-33R-2T21GX24-P	2	21	42	24	7.2	49	1.5	GX24-1E2 ..
G1634-33L-2T21GX24-P	2	21	42	24	7.2	49	1.5	GX24-1E2 ..
G1634-33L-3T21GX24-P	3	21	42	24	7.2	49	2.4	GX24-2E3 .. GX24-2F3 ..

Dimensional drawing shows right-hand version.
If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
The maximum recommended coolant pressure is 150 bar (2175 psi)

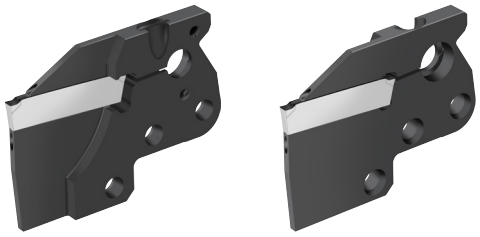
WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = → Average = → Poor = machining conditions

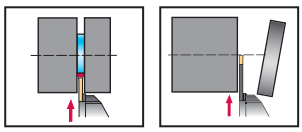
Grooving module – Radial grooving

G1634-P mm

Walter Cut

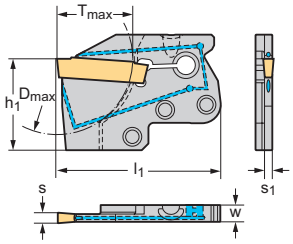


– Screw clamping
– Replacement module





Tool



Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Type
G1634-43R-3T27GX34-P	3	27	52	24	7.2	55	2.4	GX34-2E3 ..
G1634-43R-3T33GX34-P		33	65	24	7.2	61	2.4	
G1634-43L-3T27GX34-P	3	27	52	24	7.2	55	2.4	GX34-2E3 ..
G1634-43L-3T33GX34-P		33	65	24	7.2	61	2.4	
G1634-43L-4T33GX34-P	4	33	65	24	7.2	61	3.3	GX34-3E4 ..

Dimensional drawing shows right-hand version.
If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
The maximum recommended coolant pressure is 150 bar (2175 psi)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

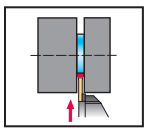
Grooving module – Radial grooving

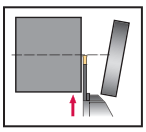
G1332 mm

Walter Cut



– Self-clamping system
– Replacement module

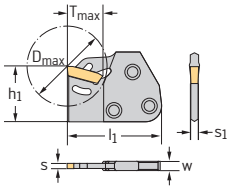








Tool



Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Type
G1332.IMR-GAD3N-GX24	3	15	32	24	4	52	2.2	GX24-2E3 .. GX24-2F3 ..

Accessories

	s [mm]	3
	Mounting wrench for grooving insert	FS1494

WALTER SELECT

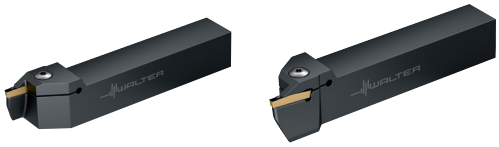
●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

Shank tool – Axial grooving

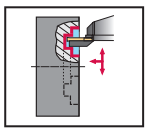
G1111 mm

Walter Cut



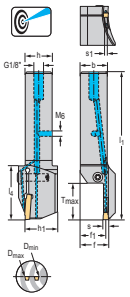
A2

– Screw clamping





Tool



Square shank

Designation	s mm	s inch	T_{max} mm	D_{min} mm	D_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
G1111.2525R-3T12-034GX24	3	0.118	12	34	44	25	25	24.7	150	40	2.4	GX24-2E3 .. GX24-2F3 ..
G1111.2525R-3T12-042GX24			12	42	60	25	25	24.7	150	40	2.4	
G1111.2525R-3T12-054GX24			12	54	75	25	25	24.6	150	40	2.4	
G1111.2525R-3T12-067GX24			12	67	100	25	25	24.6	150	40	2.4	
G1111.2525R-3T12-090GX24			12	90	160	25	25	24.6	150	40	2.4	
G1111.2525R-3T12-130GX24			12	130	300	25	25	24.6	150	40	2.4	
G1111.2525R-3T19-054GX24			19	54	75	25	25	24.7	152	42	2.4	
G1111.2525R-3T22-067GX24			22	67	100	25	25	24.7	154	44	2.3	
G1111.2525R-3T22-090GX24			22	90	160	25	25	24.6	154	44	2.3	
G1111.2525R-3T22-130GX24			22	130	300	25	25	24.6	154	44	2.3	
G1111.2525R-4T12-040GX24	4	0.157	12	40	60	25	25	24.1	150	40	3.3	GX24-3E4 .. GX24-3F4 ..
G1111.2525R-4T12-052GX24			12	52	72	25	25	24.1	150	40	3.3	
G1111.2525R-4T12-064GX24			12	64	100	25	25	24.1	150	40	3.3	
G1111.2525R-4T12-092GX24			12	92	140	25	25	24.1	150	40	3.3	
G1111.2525R-4T12-132GX24			12	132	230	25	25	24.1	150	40	3.3	
G1111.2525R-4T12-220GX24			12	220	500	25	25	24.1	150	40	3.3	
G1111.2525R-4T20-040GX24			20	40	60	25	25	24.3	152	42	3.3	
G1111.2525R-4T20-052GX24			20	52	72	25	25	24.2	152	42	3.3	
G1111.2525R-4T25-064GX24			25	64	100	25	25	24.1	156	46	3.3	
G1111.2525R-4T25-092GX24			25	92	140	25	25	24.1	156	46	3.3	
G1111.2525R-4T25-132GX24			25	132	230	25	25	24.1	156	46	3.3	
G1111.2525R-4T25-220GX24			25	220	500	25	25	24.1	156	46	3.3	
G1111.2525R-5T12-040GX24	5	0.197	12	40	70	25	25	23.7	150	40	4.2	GX24-3E5 .. GX24-3F5 ..
G1111.2525R-5T12-060GX24			12	60	95	25	25	23.7	150	40	4.2	
G1111.2525R-5T12-085GX24			12	85	130	25	25	23.7	150	40	4.2	
G1111.2525R-5T12-120GX24			12	120	180	25	25	23.7	150	40	4.2	
G1111.2525R-5T12-175GX24			12	175	500	25	25	23.6	150	40	4.1	
G1111.2525R-5T20-040GX24			20	40	70	25	25	23.8	152	42	4.2	
G1111.2525R-5T20-060GX24			20	60	95	25	25	23.7	152	42	4.2	
G1111.2525R-5T25-085GX24			25	85	130	25	25	23.7	156	46	4.2	
G1111.2525R-5T25-120GX24			25	120	180	25	25	23.7	156	46	4.2	
G1111.2525R-5T25-175GX24			25	175	500	25	25	23.7	156	46	4.2	
G1111.2525R-6T12-040GX24	6	0.236	12	40	70	25	25	23.2	150	40	5	GX24-4E6 ..
G1111.2525R-6T12-058GX24			12	58	100	25	25	23.2	150	40	5	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

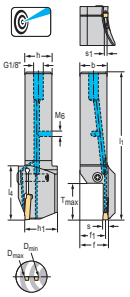
A2

Shank tool – Axial grooving

G1111 (cont.) mm

Walter Cut

Tool

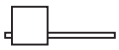


Square shank

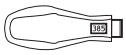
Designation	s mm	s inch	T_{max} mm	D_{min} mm	D_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
G1111.2525R-6T12-088GX24	6	0.236	12	88	180	25	25	23.2	150	40	5	GX24-4E6 ..
G1111.2525R-6T12-168GX24			12	168	400	25	25	23.2	150	40	5	
G1111.2525R-6T20-040GX24			20	40	70	25	25	23.3	152	42	5	
G1111.2525R-6T25-058GX24			25	58	100	25	25	23.2	156	46	5	
G1111.2525R-6T25-088GX24			25	88	180	25	25	23.2	156	46	5	
G1111.2525R-6T25-168GX24			25	168	400	25	25	23.2	156	46	5	
G1111.2525L-3T12-034GX24	3	0.118	12	34	44	25	25	24.7	150	40	2.4	GX24-2E3 .. GX24-2F3 ..
G1111.2525L-3T12-042GX24			12	42	60	25	25	24.7	150	40	2.4	
G1111.2525L-3T12-054GX24			12	54	75	25	25	24.6	150	40	2.4	
G1111.2525L-3T12-067GX24			12	67	100	25	25	24.6	150	40	2.4	
G1111.2525L-3T12-090GX24			12	90	160	25	25	24.6	150	40	2.4	
G1111.2525L-3T12-130GX24			12	130	300	25	25	24.6	150	40	2.4	
G1111.2525L-3T19-054GX24			19	54	75	25	25	24.7	152	42	2.4	
G1111.2525L-3T22-067GX24			22	67	100	25	25	24.7	154	44	2.4	
G1111.2525L-3T22-090GX24			22	90	160	25	25	24.6	154	44	2.4	
G1111.2525L-3T22-130GX24			22	130	300	25	25	24.6	154	44	2.4	
G1111.2525L-4T12-040GX24	4	0.157	12	40	60	25	25	24.1	150	40	3.3	GX24-3E4 .. GX24-3F4 ..
G1111.2525L-4T12-052GX24			12	52	72	25	25	24.1	150	40	3.3	
G1111.2525L-4T12-064GX24			12	64	100	25	25	24.1	150	40	3.3	
G1111.2525L-4T12-092GX24			12	92	140	25	25	24.1	150	40	3.3	
G1111.2525L-4T12-132GX24			12	132	230	25	25	24.1	150	40	3.3	
G1111.2525L-4T12-220GX24			12	220	500	25	25	24.1	150	40	3.3	
G1111.2525L-4T20-040GX24			20	40	60	25	25	24.3	152	42	3.3	
G1111.2525L-4T20-052GX24			20	52	72	25	25	24.2	152	42	3.3	
G1111.2525L-4T25-064GX24			25	64	100	25	25	24.1	156	46	3.3	
G1111.2525L-4T25-092GX24			25	92	140	25	25	24.1	156	46	3.3	
G1111.2525L-4T25-132GX24			25	132	230	25	25	24.1	156	46	3.3	
G1111.2525L-4T25-220GX24			25	220	500	25	25	24.1	156	46	3.3	
G1111.2525L-5T12-040GX24	5	0.197	12	40	70	25	25	23.7	150	40	4.2	GX24-3E5 .. GX24-3F5 ..
G1111.2525L-5T12-060GX24			12	60	95	25	25	23.7	150	40	4.2	
G1111.2525L-5T12-085GX24			12	85	130	25	25	23.7	150	40	4.2	
G1111.2525L-5T12-120GX24			12	120	180	25	25	23.7	150	40	4.2	
G1111.2525L-5T12-175GX24			12	175	500	25	25	23.6	150	40	4.1	
G1111.2525L-5T20-040GX24			20	40	70	25	25	23.8	152	42	4.2	
G1111.2525L-5T20-060GX24			20	60	95	25	25	23.7	152	42	4.2	
G1111.2525L-5T25-085GX24			25	85	130	25	25	23.7	156	46	4.2	
G1111.2525L-5T25-120GX24			25	120	180	25	25	23.7	156	46	4.2	
G1111.2525L-5T25-175GX24			25	175	500	25	25	23.2	156	46	4.2	
G1111.2525L-6T12-040GX24	6	0.236	12	40	70	25	25	23.2	150	40	5	GX24-4E6 ..
G1111.2525L-6T12-058GX24			12	58	100	25	25	23.2	150	40	5	
G1111.2525L-6T12-088GX24			12	88	180	25	25	23.2	150	40	5	
G1111.2525L-6T12-168GX24			12	168	400	25	25	23.2	150	40	5	
G1111.2525L-6T20-040GX24			20	40	70	25	25	23.3	152	42	5	
G1111.2525L-6T25-058GX24			25	58	100	25	25	23.2	156	46	5	
G1111.2525L-6T25-088GX24			25	88	180	25	25	23.2	156	46	5	
G1111.2525L-6T25-168GX24			25	168	400	25	25	23.2	156	46	5	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm] h = h_1 [mm]	3 25
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

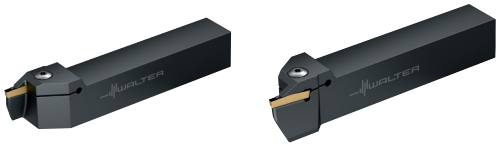
	s [mm] h = h_1 [mm]	3 25
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

A2

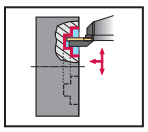
Shank tool – Axial grooving

G1111 inch

Walter Cut

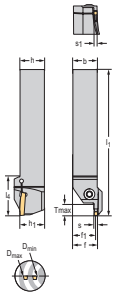


– Screw clamping





Tool



Square shank

Designation	s mm	s inch	T_{max} inch	D_{min} inch	D_{max} inch	$h = h_1$ inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
G1111.16R-3T12-034GX24	3	0.118	0.472	1.339	1.732	1.000	1.000	0.989	5.906	1.575	0.094	GX24-2E3 .. GX24-2F3 ..
G1111.16R-3T12-042GX24			0.472	1.654	2.362	1.000	1.000	0.987	5.906	1.654	0.094	
G1111.16R-3T19-054GX24			0.748	2.126	2.953	1.000	1.000	0.987	5.984	1.654	0.094	
G1111.16R-3T22-067GX24			0.866	2.638	3.937	1.000	1.000	0.987	6.063	1.732	0.091	
G1111.16R-3T22-090GX24			0.866	3.543	6.299	1.000	1.000	0.984	6.063	1.732	0.091	
G1111.16R-3T22-130GX24			0.866	5.118	11.811	1.000	1.000	0.984	6.063	1.732	0.091	
G1111.16R-4T20-040GX24	4	0.157	0.787	1.575	2.756	1.000	1.000	0.97	5.984	1.654	0.130	GX24-3E4 .. GX24-3F4 ..
G1111.16R-4T20-052GX24			0.787	2.047	2.835	1.000	1.000	0.968	5.984	1.654	0.130	
G1111.16R-4T25-064GX24			0.984	2.520	3.937	1.000	1.000	0.966	6.142	1.811	0.130	
G1111.16R-4T25-092GX24			0.984	3.622	5.512	1.000	1.000	0.963	6.142	1.811	0.130	
G1111.16R-4T25-132GX24			0.984	5.197	9.055	1.000	1.000	0.963	6.142	1.811	0.130	
G1111.16R-4T25-220GX24			0.984	8.661	19.685	1.000	1.000	0.963	6.142	1.811	0.130	
G1111.16R-6T20-040GX24	6	0.236	0.787	1.575	2.756	1.000	1.000	0.933	5.984	1.654	0.201	GX24-4E6 ..
G1111.16R-6T25-058GX24			0.984	2.283	3.937	1.000	1.000	0.930	6.142	1.811	0.197	
G1111.16R-6T25-088GX24			0.984	3.465	7.087	1.000	1.000	0.927	6.142	1.811	0.197	
G1111.16R-6T25-168GX24			0.984	6.614	15.748	1.000	1.000	0.927	6.142	1.811	0.197	
G1111.16L-3T12-034GX24	3	0.118	0.472	1.339	1.732	1.000	1.000	0.989	5.906	1.575	0.094	GX24-2E3 .. GX24-2F3 ..
G1111.16L-3T12-042GX24			0.472	1.654	2.362	1.000	1.000	0.987	5.906	1.654	0.094	
G1111.16L-3T19-054GX24			0.748	2.126	2.953	1.000	1.000	0.987	5.984	1.654	0.094	
G1111.16L-3T22-067GX24			0.866	2.638	3.937	1.000	1.000	0.987	6.063	1.732	0.091	
G1111.16L-3T22-090GX24			0.866	3.543	6.299	1.000	1.000	0.984	6.063	1.732	0.091	
G1111.16L-3T22-130GX24			0.866	5.118	11.811	1.000	1.000	0.984	6.063	1.732	0.091	
G1111.16L-4T20-040GX24	4	0.157	0.787	1.575	2.756	1.000	1.000	0.97	5.984	1.654	0.130	GX24-3E4 .. GX24-3F4 ..
G1111.16L-4T20-052GX24			0.787	2.047	2.835	1.000	1.000	0.968	5.984	1.654	0.130	
G1111.16L-4T25-064GX24			0.984	2.520	3.937	1.000	1.000	0.966	6.142	1.811	0.130	
G1111.16L-4T25-092GX24			0.984	3.622	5.512	1.000	1.000	0.963	6.142	1.811	0.130	
G1111.16L-4T25-132GX24			0.984	5.197	9.055	1.000	1.000	0.963	6.142	1.811	0.130	
G1111.16L-4T25-220GX24			0.984	8.661	19.685	1.000	1.000	0.963	6.142	1.811	0.130	
G1111.16L-6T20-040GX24	6	0.236	0.787	1.575	2.756	1.000	1.000	0.933	5.984	1.654	0.201	GX24-4E6 ..
G1111.16L-6T25-058GX24			0.984	2.283	3.937	1.000	1.000	0.930	6.142	1.811	0.197	
G1111.16L-6T25-088GX24			0.984	3.465	7.087	1.000	1.000	0.927	6.142	1.811	0.197	
G1111.16L-6T25-168GX24			0.984	6.614	15.748	1.000	1.000	0.927	6.142	1.811	0.197	

Dimensional drawing shows right-hand version.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

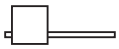
	s [inch] $h = h_1$ [inch]	0.118 1.000
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 44 in lbs

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Assembly parts

	s [inch] h = h_1 [inch]	0.118 1.000
	Torx key	FS1464 (T20IP)

Accessories

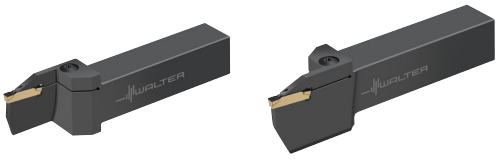
	s [inch] h = h_1 [inch]	0.118 1.000
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

A2

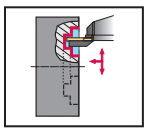
Shank tool – Axial grooving

G1111...-P mm

Walter Cut

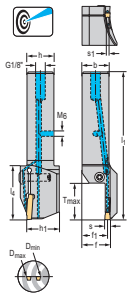


– Precision cooling
– Screw clamping





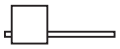
Tool

	Designation	s mm	s inch	T_{max} mm	D_{min} mm	D_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
	G1111.2525R-5T33060GX24P	5	0.197	33	60	95	25	25	23.7	145	50	4.2	GX24-3E5 .. GX24-3F5 ..
	G1111.2525R-5T33085GX24P			33	85	130	25	25	23.7	145	50	4.2	
	G1111.2525R-5T33120GX24P			33	120	180	25	25	23.7	145	50	4.2	
	G1111.2525R-5T33175GX24P			33	175	500	25	25	23.7	145	50	4.2	
	G1111.2525L-5T33060GX24P	5	0.197	33	60	95	25	25	23.7	145	50	4.2	GX24-3E5 .. GX24-3F5 ..
	G1111.2525L-5T33085GX24P			33	85	130	25	25	23.7	145	50	4.2	
	G1111.2525L-5T33120GX24P			33	120	180	25	25	23.7	145	50	4.2	
	G1111.2525L-5T33175GX24P			33	175	500	25	25	23.7	145	50	4.2	

Square shank

Dimensional drawing shows right-hand version.
The maximum recommended coolant pressure is 150 bar (2175 psi)
$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	5
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	5
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

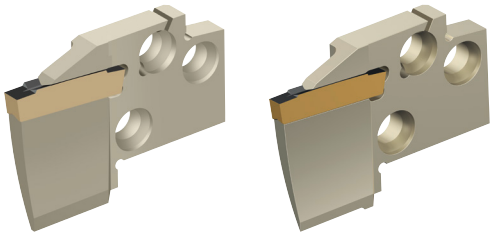
WALTER SELECT

●● Primary application ● Other application

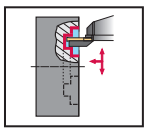
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Grooving module – Axial grooving
MSS...E...C / MSS...E...A
Walter Cut



– Screw clamping





Tool

Designation	s mm	T_{max} mm	D_{min} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
MSS-E25L21-GX24-3C100150	4	21	100	150	20	6.2	60	3	E25	GX24-3E4 .. GX24-3F4 ..
MSS-E25L21-GX24-3C150300		21	150	300	20	6.2	60	3	E25	
MSS-E25L21-GX24-3C5070		21	50	70	20	6.2	60	3	E25	
MSS-E25L21-GX24-3C70100		21	70	100	20	6.2	60	3	E25	
MSS-E25L25-GX24-4C100150	6	25	100	150	20	6.2	60	4.2	E25	GX24-4E6 ..
MSS-E25L25-GX24-4C150300		25	150	300	20	6.2	60	4.2	E25	
MSS-E25L25-GX24-4C5070		25	50	70	20	6.2	60	4.2	E25	
MSS-E25L25-GX24-4C70100		25	70	100	20	6.2	60	4.2	E25	
MSS-E20L14-GX24-2A100150	3	14	100	150	16	4.4	42	2	E20	GX24-2E3 .. GX24-2F3 ..
MSS-E20L14-GX24-2A5070		14	50	70	16	4.4	42	2	E20	
MSS-E20L14-GX24-2A70100		14	70	100	16	4.4	42	2	E20	
MSS-E25L15-GX24-2A100150		15	100	150	20	5.9	47	2	E25	
MSS-E25L15-GX24-2A5070		15	50	70	20	5.9	47	2	E25	
MSS-E25L15-GX24-2A70100		15	70	100	20	5.9	47	2	E25	
MSS-E25L15-GX24-3A100150	4	15	100	150	20	5.9	47	3	E25	GX24-3E4 .. GX24-3F4 ..
MSS-E25L15-GX24-3A150300		15	150	300	20	5.9	47	3	E25	
MSS-E25L15-GX24-3A5070		15	50	70	20	5.9	47	3	E25	
MSS-E25L15-GX24-3A70100		15	70	100	20	5.9	47	3	E25	
MSS-E32L15-GX24-3A100150		15	100	150	25.5	5.9	54	3	E32	
MSS-E32L15-GX24-3A150300		15	150	300	25.5	5.9	54	3	E32	
MSS-E32L15-GX24-3A70100		15	70	100	25.5	5.9	54	3	E32	
MSS-E25L15-GX24-4A100150	6	15	100	150	20	5.9	47	4.2	E25	GX24-4E6 ..
MSS-E25L15-GX24-4A150300		15	150	300	20	5.9	47	4.2	E25	
MSS-E25L15-GX24-4A5070		15	50	70	20	5.9	47	4.2	E25	
MSS-E25L15-GX24-4A70100		15	70	100	20	5.9	47	4.2	E25	
MSS-E32L15-GX24-4A100150		15	100	150	25.5	5.9	54	4.2	E32	
MSS-E32L15-GX24-4A150300		15	150	300	25.5	5.9	54	4.2	E32	
MSS-E32L15-GX24-4A300900		15	300	900	25.5	5.9	54	4.2	E32	
MSS-E32L15-GX24-4A70100		15	70	100	25.5	5.9	54	4.2	E32	
MSS-E25R21-GX24-3C100150	4	21	100	150	20	6.2	60	3	E25	GX24-3E4 .. GX24-3F4 ..
MSS-E25R21-GX24-3C150300		21	150	300	20	6.2	60	3	E25	
MSS-E25R21-GX24-3C5070		21	50	70	20	6.2	60	3	E25	
MSS-E25R21-GX24-3C70100		21	70	100	20	6.2	60	3	E25	
MSS-E25R25-GX24-4C100150	6	25	100	150	20	6.2	60	4.2	E25	GX24-4E6 ..
MSS-E25R25-GX24-4C150300		25	150	300	20	6.2	60	4.2	E25	

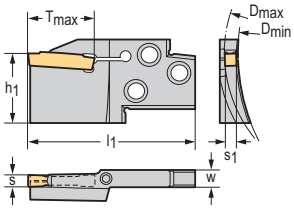
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

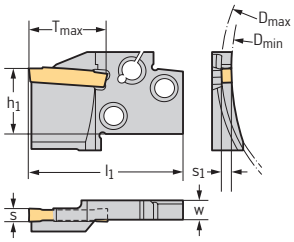
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Tool



Designation	s mm	T_{max} mm	D_{min} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
MSS-E25R25-GX24-4C5070	6	25	50	70	20	6.2	60	4.2	E25	GX24-4E6 ..
MSS-E25R25-GX24-4C70100		25	70	100	20	6.2	60	4.2	E25	



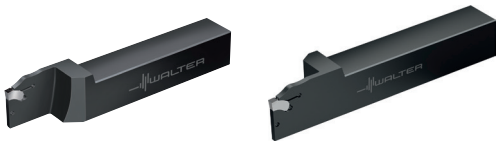
Designation	s mm	T_{max} mm	D_{min} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
MSS-E20R14-GX24-2A100150	3	14	100	150	16	4.4	42	2	E20	GX24-2E3 .. GX24-2F3 ..
MSS-E20R14-GX24-2A5070		14	50	70	16	4.4	42	2	E20	
MSS-E20R14-GX24-2A70100		14	70	100	16	4.4	42	2	E20	
MSS-E25R15-GX24-2A100150		15	100	150	20	5.9	47	2	E25	
MSS-E25R15-GX24-2A5070		15	50	70	20	5.9	47	2	E25	
MSS-E25R15-GX24-2A70100		15	70	100	20	5.9	47	2	E25	
MSS-E25R15-GX24-3A100150	4	15	100	150	20	5.9	47	3	E25	GX24-3E4 .. GX24-3F4 ..
MSS-E25R15-GX24-3A150300		15	150	300	20	5.9	47	3	E25	
MSS-E25R15-GX24-3A5070		15	50	70	20	5.9	47	3	E25	
MSS-E25R15-GX24-3A70100		15	70	100	20	5.9	47	3	E25	
MSS-E32R15-GX24-3A100150		15	100	150	25.5	5.9	54	3	E32	
MSS-E32R15-GX24-3A150300		15	150	300	25.5	5.9	54	3	E32	
MSS-E32R15-GX24-3A70100		15	70	100	25.5	5.9	54	3	E32	
MSS-E25R15-GX24-4A100150	6	15	100	150	20	5.9	47	4.2	E25	GX24-4E6 ..
MSS-E25R15-GX24-4A150300		15	150	300	20	5.9	47	4.2	E25	
MSS-E25R15-GX24-4A5070		15	50	70	20	5.9	47	4.2	E25	
MSS-E25R15-GX24-4A70100		15	70	100	20	5.9	47	4.2	E25	
MSS-E32R15-GX24-4A100150		15	100	150	25.5	5.9	54	4.2	E32	
MSS-E32R15-GX24-4A150300		15	150	300	25.5	5.9	54	4.2	E32	
MSS-E32R15-GX24-4A300900		15	300	900	25.5	5.9	54	4.2	E32	
MSS-E32R15-GX24-4A70100		15	70	100	25.5	5.9	54	4.2	E32	

Bodies and assembly parts are included in the scope of delivery

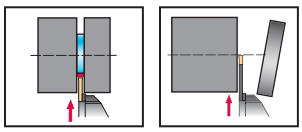
Shank tool – Radial grooving

G2012 mm

Walter Cut



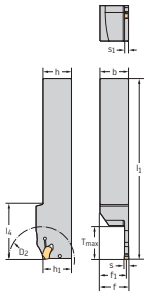
– Self-clamping system





Tool

Designation	s mm	s inch	D_2 mm	T_{max} mm	$h = h_1$ mm	b mm	f mm	l_1 mm	l_4 mm	s_1 mm	Type
G2012.2020R-1.5T15SX	1.5	0.059	38	15	20	20	19.4	120	25	1.2	SX-1E1
G2012.2525R-2T26SX	2	0.079	52	26	25	25	24.2	146	36	1.6	SX-2E2
G2012.2525R-3T33SX	3	0.118	65	33	25	25	23.8	150	43	2.5	SX-3E3
G2012.2020L-1.5T15SX	1.5	0.059	38	15	20	20	19.4	120	25	1.2	SX-1E1
G2012.2525L-2T26SX	2	0.079	52	26	25	25	24.2	146	36	1.6	SX-2E2
G2012.2525L-3T33SX	3	0.118	65	33	25	25	23.8	150	43	2.5	SX-3E3



Square shank

Dimensional drawing shows right-hand version.

$f = f_1 + s/2$

Accessories

s [mm] $h = h_1$ [mm]		1.5 20	2 25
	Mounting wrench for grooving insert	FS2249	FS1494

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

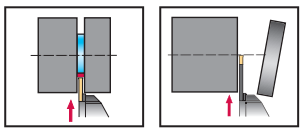
Shank tool – Radial grooving

G2012 inch

Walter Cut

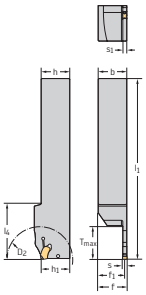


– Self-clamping system





Tool



Square shank

Designation	s mm	s inch	D_2 inch	T_{max} inch	$h = h_1$ inch	b inch	f inch	l_1 inch	l_4 inch	s_1 inch	Type
G2012.12R-1.5T15SX	1.5	0.059	1.496	0.591	0.750	0.750	0.726	4.724	0.984	0.047	SX-1E1
G2012.16R-2T26SX	2	0.079	2.047	1.024	1.000	1.000	0.969	5.748	1.417	0.061	SX-2E2
G2012.16R-3T33SX	3	0.118	2.559	1.299	1.000	1.000	0.952	5.906	1.693	0.096	SX-3E3
G2012.12L-1.5T15SX	1.5	0.059	1.496	0.591	0.750	0.750	0.726	4.724	0.984	0.047	SX-1E1
G2012.16L-2T26SX	2	0.079	2.047	1.024	1.000	1.000	0.969	5.748	1.417	0.061	SX-2E2
G2012.16L-3T33SX	3	0.118	2.559	1.299	1.000	1.000	0.952	5.906	1.693	0.096	SX-3E3

Dimensional drawing shows right-hand version.

$f = f_1 + s/2$

Accessories

	s [inch] $h = h_1$ [inch]	0.059 0.750	0.079 1.000
	Mounting wrench for grooving insert	FS2249	FS1494

WALTER SELECT

●● Primary application ● Other application

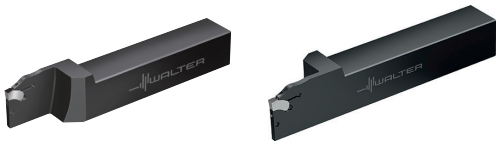
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

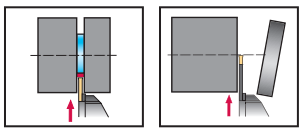
Shank tool – Radial grooving

G2012...-P mm

Walter Cut

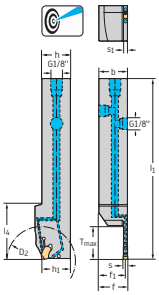
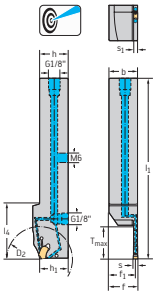
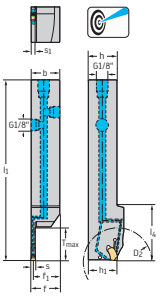


– Self-clamping system
– Precision cooling





Tool

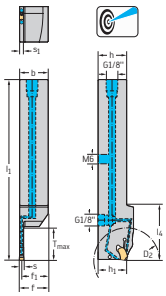
Designation	s mm	s inch	D_2 mm	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
 Square shank											
G2012.1212R-2T16SX-P	2–2	0.079–0.079	38	16	12	12	11.2	120	25	1.6	SX-2E2
G2012.1616R-2T16SX-P			38	16	16	16	15.2	120	25	1.6	
G2012.1212R-3T16SX-P	3–3	0.118–0.118	38	16	12	12	10.8	120	25	2.5	SX-3E3
G2012.1616R-3T16SX-P			38	16	16	16	14.8	120	25	2.5	
G2012.1616R-3T26SX-P			68	26	16	16	14.8	120	33	2.5	
 Square shank											
G2012.2020R-2T20SX-P	2–2	0.079–0.079	68	20	20	20	19.2	120	36	1.6	SX-2E2
G2012.2020R-3T22SX-P	3–3	0.118–0.118	68	22	20	20	18.8	125	38	2.5	SX-3E3
G2012.2020R-3T33SX-P			68	33	20	20	18.8	120	38	2.5	
G2012.2525R-3T33SX-P			68	33	25	25	23.8	130	45	2.5	
G2012.2020R-4T33SX-P	4–4	0.157–0.157		33	20	20	18.3	130	48	3.4	SX-4E4
G2012.2525R-4T33SX-P				33	25	25	23.3	130	48	3.4	
G2012.2525R-5T40SX-P	5–5	0.197–0.197		40	25	25	22.9	145	52	4.3	SX-5E5
G2012.2525R-6T40SX-P	6–6	0.236–0.236		40	25	25	22.4	145	52	5.3	SX-6E6
 Square shank											
G2012.1212L-2T16SX-P	2–2	0.079–0.079	38	16	12	12	11.2	120	25	1.6	SX-2E2
G2012.1616L-2T16SX-P			38	16	16	16	15.2	120	25	1.6	
G2012.1212L-3T16SX-P	3–3	0.118–0.118	38	16	12	12	10.8	120	25	2.5	SX-3E3
G2012.1616L-3T16SX-P			38	16	16	16	14.8	120	25	2.5	
G2012.1616L-3T26SX-P			68	26	16	16	14.8	120	33	2.5	

$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
For T_{max} with diameters greater than D_2, see "Technical information – Grooving"
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Tool



Square shank

Designation	s mm	s inch	D_2 mm	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
G2012.2020L-2T20SX-P	2–2	0.079–0.079	68	20	20	20	19.2	120	36	1.6	SX-2E2
G2012.2020L-3T22SX-P	3–3	0.118–0.118	68	22	20	20	18.8	125	38	2.5	SX-3E3
G2012.2020L-3T33SX-P			68	33	20	20	18.8	120	38	2.5	
G2012.2525L-3T33SX-P			68	33	25	25	23.8	130	48	2.5	
G2012.2020L-4T33SX-P	4–4	0.157–0.157		33	20	20	18.3	130	48	3.4	SX-4E4
G2012.2525L-4T33SX-P				33	25	25	23.3	130	48	3.4	
G2012.2525L-5T40SX-P	5–5	0.197–0.197		40	25	25	22.9	145	52	4.3	SX-5E5
G2012.2525L-6T40SX-P	6–6	0.236–0.236		40	25	25	22.4	145	52	5.3	SX-6E6

$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
For T_{max} with diameters greater than D_2, see "Technical information – Grooving"
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–2–3–3	4–4–6–6
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	M6 threaded plug		FS2288 (SW 3)

Accessories

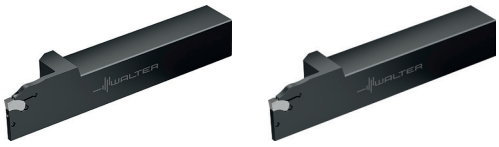
	s [mm] $h = h_1$ [mm]	2–2 12	2–2 20
	Mounting wrench for grooving insert	FS2249	FS1494

A2

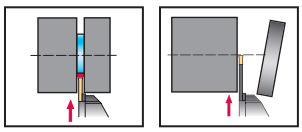
Shank tool – Radial grooving

G2012 / G2012...-P inch

Walter Cut

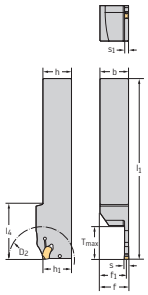
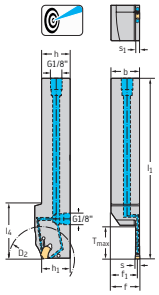
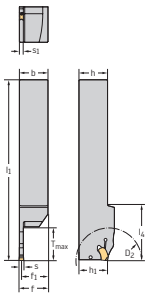


– Self-clamping system





Tool

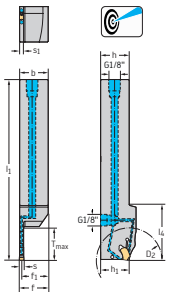
	Designation	s mm	s inch	D_2 inch	T_{max} inch	$h = h_1$ inch	b inch	f inch	l_1 inch	l_4 inch	s_1 inch	Type
 Square shank	G2012.12R-1.5T15SX	1.5	0.059	1.496	0.591	0.750	0.750	0.726	4.724	0.984	0.047	SX-1E1
	G2012.16R-2T26SX	2	0.079	2.047	1.024	1.000	1.000	0.969	5.748	1.417	0.061	SX-2E2
	G2012.16R-3T33SX	3	0.118	2.559	1.299	1.000	1.000	0.952	5.906	1.693	0.096	SX-3E3
 Square shank	G2012.08R-2T16SX-P	1.5–1.5	0.079–0.079	1.496	0.630	0.500	0.500	0.469	4.724	0.984	0.063	SX-2E2
	G2012.10R-2T16SX-P			1.496	0.630	0.625	0.625	0.594	4.724	0.984	0.063	
	G2012.12R-2T20SX-P			2.677	0.787	0.750	0.750	0.720	5.906	1.417	0.063	
	G2012.10R-3T16SX-P	3–3	0.118–0.118	1.496	0.630	0.625	0.625	0.577	4.724	0.984	0.096	SX-3E3
	G2012.12R-3T22SX-P			2.677	0.866	0.750	0.750	0.702	5.906	1.496	0.096	
	G2012.12R-3T33SX-P			2.677	1.299	0.750	0.750	0.702	5.906	1.496	0.096	
	G2012.16R-3T33SX-P			2.677	1.299	1.000	1.000	0.952	5.906	1.890	0.096	
	G2012.12R-4T29SX-P	4–4	0.157–0.157		1.142	0.750	0.750	0.683	5.906	1.732	0.134	SX-4E4
	G2012.16R-4T33SX-P				1.299	1.000	1.000	0.933	5.906	1.890	0.134	
	G2012.16R-5T40SX-P	5–5	0.197–0.197		1.575	1.000	1.000	0.915	5.906	2.047	0.169	SX-5E5
	G2012.16R-6T40SX-P	6–6	0.236–0.236		1.575	1.000	1.000	0.896	5.906	2.047	0.209	SX-6E6
 Square shank	G2012.12L-1.5T15SX	1.5	0.059	1.496	0.591	0.750	0.750	0.726	4.724	0.984	0.047	SX-1E1
	G2012.16L-2T26SX	2	0.079	2.047	1.024	1.000	1.000	0.969	5.748	1.417	0.061	SX-2E2
	G2012.16L-3T33SX	3	0.118	2.559	1.299	1.000	1.000	0.952	5.906	1.693	0.096	SX-3E3

$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
For T_{max} with diameters greater than D_2, see "Technical information – Grooving"

WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Tool



Square shank

Designation	s mm	s inch	D_2 inch	T_{max} inch	$h = h_1$ inch	b inch	f inch	l_1 inch	l_4 inch	s_1 inch	Type
G2012.08L-2T16SX-P	2–2	0.079–0.079	1.496	0.630	0.500	0.500	0.469	4.724	0.984	0.063	SX-2E2
G2012.10L-2T16SX-P			1.496	0.630	0.625	0.625	0.594	4.724	0.984	0.063	
G2012.12L-2T20SX-P			2.677	0.787	0.750	0.750	0.720	5.906	1.417	0.063	
G2012.10L-3T16SX-P	3–3	0.118–0.118	1.496	0.630	0.625	0.625	0.577	4.724	0.984	0.096	SX-3E3
G2012.12L-3T22SX-P			2.677	0.866	0.750	0.750	0.702	5.906	1.496	0.096	
G2012.12L-3T33SX-P			2.677	1.299	0.750	0.750	0.702	5.906	1.496	0.096	
G2012.16L-3T33SX-P			2.677	1.299	1.000	1.000	0.952	5.906	1.890	0.096	
G2012.12L-4T29SX-P	4–4	0.157–0.157		1.142	0.750	0.750	0.683	5.906	1.732	0.134	SX-4E4
G2012.16L-4T33SX-P				1.299	1.000	1.000	0.933	5.906	1.890	0.134	
G2012.16L-5T40SX-P	5–5	0.197–0.197		1.575	1.000	1.000	0.915	5.906	1.890	0.169	SX-5E5
G2012.16L-6T40SX-P	6–6	0.236–0.236		1.575	1.000	1.000	0.896	5.906	2.047	0.209	SX-6E6

$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
For T_{max} with diameters greater than D_2, see "Technical information – Grooving"

Assembly parts

	s [inch]	0.06–0.12	0.079–0.079–0.236–0.236
	1/8" threaded plug		FS2258 (SW 2)

Accessories

	s [inch] $h = h_1$ [inch]	0.059 0.750	0.079 1.000
	Mounting wrench for grooving insert	FS2249	FS1494

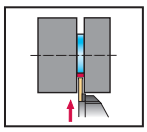
A2

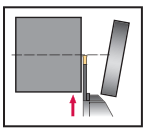
Deep parting blade
G2042...N / G2042...N...-P mm
Walter Cut





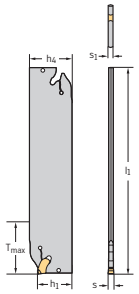
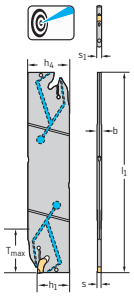
– Self-clamping system







Tool

	Designation	s mm	s inch	T_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
	G2042.26N-2T30SX	2	0.079	30	26	110	21.1	1.6	SX-2E2
	G2042.32N-2T30SX			30	32	151	24.8	1.6	
	G2042.26N-3T38SX	3	0.118	38	26	110	21	2.4	SX-3E3
	G2042.32N-3T50SX			50	32	151	24.7	3.4	
	G2042.26N-4T40SX	4	0.157	40	26	110	20.9	3.4	SX-4E4
	G2042.32N-4T50SX			50	32	151	24.5	3.4	
	G2042.32N-5T60SX	5	0.197	60	32	151	24.4	4.3	SX-5E5
	G2042.46N-5T80SX			80	46	251	37.4	4.3	
	G2042.32N-6T60SX	6	0.236	60	32	151	24.3	5.3	SX-6E6
	G2042.46N-6T80SX			80	46	251	37.3	5.3	
	G2042.26N-3T38SX-P	3	0.118	38	26	131	20.8	2.4	SX-3E3
	G2042.32N-3T45SX-P			45	32	151	24.5	2.4	

Accessories

	s [mm]	2–6
	Mounting wrench for grooving insert	FS1494

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Reinforced parting blade – Contra

G2042...R/L...C mm

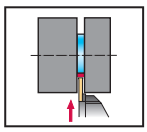
Walter Cut

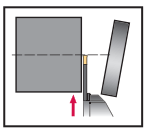




A2

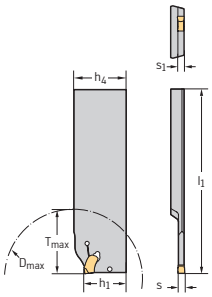
– Self-clamping system







Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	l_1 mm	s_1 mm	Type
G2042.32R-4T33SX-C	4–4	0.157–0.157	33	65	110	3.4	SX-4E4
G2042.32L-4T33SX-C	4–4	0.157–0.157	33	65	110	3.4	SX-4E4

Dimensional drawing shows right-hand version.

Accessories

	s [mm]	4–4
	Mounting wrench for grooving insert	FS1494

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

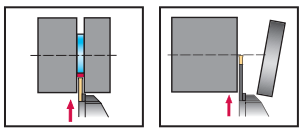
A2

Reinforced parting blade

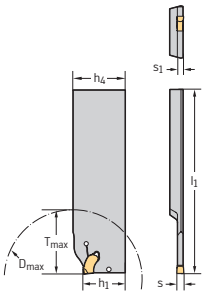
G2042...R/L mm

Walter Cut





Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G2042.26R-1.5T20SX	1.5	0.059	20	40	26	110	21	1.2	SX-1E1
G2042.32R-1.5T20SX			20	40	32	110	24.7	1.2	
G2042.26R-2T26SX	2	0.079	26	52	26	110	21	1.6	SX-2E2
G2042.32R-2T26SX			26	52	32	110	24.7	1.6	
G2042.26R-3T33SX	3–3	0.118–0.118	33	65	26	110	21	2.4	SX-3E3
G2042.32R-3T33SX			33	65	32	110	24.7	2.4	
G2042.32R-4T33SX	4–4	0.157–0.157	33	65	32	110	24.7	3.4	SX-4E4
G2042.26L-1.5T20SX	1.5	0.059	20	52	26	110	21	1.2	SX-1E1
G2042.32L-1.5T20SX	1.5–1.5	0.059–0.059	20	40	32	110	24.7	1.2	
G2042.26L-2T26SX	2	0.079	26	52	26	110	21	1.6	SX-2E2
G2042.32L-2T26SX			26	52	32	110	24.7	1.6	
G2042.26L-3T33SX	3	0.118	33	52	26	110	21	2.4	SX-3E3
G2042.32L-3T33SX			33	65	32	110	24.7	2.4	
G2042.32L-4T33SX	4–4	0.157–0.157	33	65	32	110	24.7	3.4	SX-4E4

Dimensional drawing shows right-hand version.

Accessories

	s [mm]	1.5–1.5–1.5	2–4–4
	Mounting wrench for grooving insert	FS1494	FS2249

WALTER SELECT

●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

Reinforced parting blade – Contra

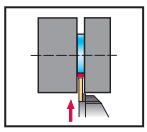
G2042...R/L...C mm

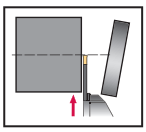
Walter Cut





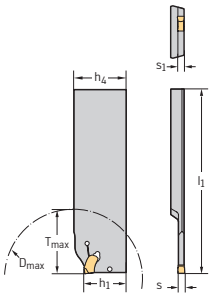
– Self-clamping system





SX

Tool

	Designation	s mm	s inch	T_{max} mm	D_{max} mm	l_1 mm	s_1 mm	Type
	G2042.32R-4T33SX-C	4–4	0.157–0.157	33	65	110	3.4	SX-4E4
	G2042.32L-4T33SX-C	4–4	0.157–0.157	33	65	110	3.4	SX-4E4

Dimensional drawing shows right-hand version.

Accessories

	s [mm]	4–4
	Mounting wrench for grooving insert	FS1494

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = → Average = → Poor = machining conditions

A2

Reinforced parting blade

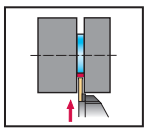
G2042...R/L...-P mm

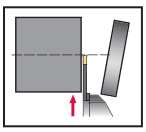
Walter Cut





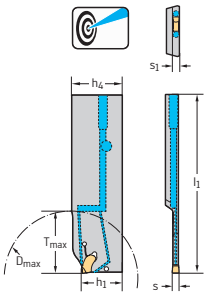
– Self-clamping system
– Precision cooling







Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G2042.32R-2T26SX-P	2	0.079	26	52	32	110	24.7	1.6	SX-2E2
G2042.26R-3T33SX-P	3–3	0.118–0.118	33	65	26	110	21	2.4	SX-3E3
G2042.32R-3T33SX-P			33	65	32	110	24.7	2.4	
G2042.32R-4T33SX-P	4–4	0.157–0.157	33	65	32	110	24.7	3.4	SX-4E4
G2042.32L-2T26SX-P	2	0.079–0.079	26	52	32	110	24.7	1.6	SX-2E2
G2042.26L-3T33SX-P	3	0.118	33	65	26	110	21	2.4	SX-3E3
G2042.32L-3T33SX-P			33	65	32	110	24.7	2.4	
G2042.32L-4T33SX-P	4–4	0.157–0.157	33	65	32	110	24.7	3.4	SX-4E4

Dimensional drawing shows right-hand version.

Bodies and assembly parts are included in the scope of delivery

Accessories

	s [mm]	2–4–4
	Mounting wrench for grooving insert	FS1494

WALTER SELECT

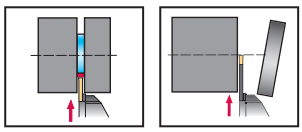
●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

Deep parting blade
G2042...N...-P mm
Walter Cut



– Self-clamping system
– Precision cooling





Tool

Designation	s mm	s inch	T_{max} mm	h_4 mm	l_1 mm	h_1 mm	s_1 mm	Type
G2042.26N-3T38SX-P	3	0.118	38	26	131	20.8	2.4	SX-3E3
G2042.32N-3T45SX-P			45	32	151	24.5	2.4	
G2042.52N-10T100SX-P	10	0.394	100	52	251	44	8.8	SX-10E10
G2042.32N-4T50SX-P	4–4	0.157–0.157	50	32	151	24.5	3.5	SX-4E4
G2042.32N-5T60SX-P	5–5	0.197–0.197	60	32	151	24.4	4.3	SX-5E5
G2042.32N-6T60SX-P	6–6	0.236–0.236	60	32	151	24.3	5.3	SX-6E6
G2042.52N-8T100SX-P	8–8	0.315–0.315	100	52	251	44.3	6.8	SX-8E8

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	10	3–4–4	5–5	6–6	8–8
	Coolant transfer insert	FS2282	FS2286	FS2283	FS2284	FS2285

Accessories

	s [mm]	10–8–8	3–6–6
	Mounting wrench for grooving insert	FS1494	FS2274

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Reinforced parting blade – Contra

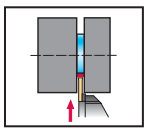
G2042...R/L...C-P mm

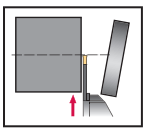
Walter Cut





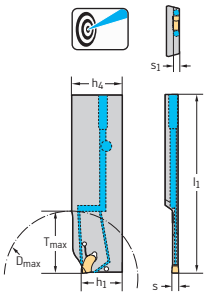
– Self-clamping system
– Precision cooling







Tool



Designation	s mm	s inch	T_{max} mm	D_{max} mm	l_1 mm	s_1 mm	Type
G2042.26R-2T26SX-C-P	2	0.079	26	52	110	1.6	SX-2E2
G2042.32R-2T26SX-C-P			26	52	110	1.6	
G2042.26R-3T33SX-C-P	3	0.118	33	65	110	2.4	SX-3E3
G2042.32R-3T33SX-C-P	3–3	0.118–0.118	33	65	110	2.4	
G2042.32R-4T33SX-C-P	4–4	0.157–0.157	33	65	110	3.4	SX-4E4
G2042.26L-2T26SX-C-P	2	0.079	26	52	110	1.6	SX-2E2
G2042.32L-2T26SX-C-P			26	52	110	1.6	
G2042.26L-3T33SX-C-P	3	0.118	33	65	110	2.4	SX-3E3
G2042.32L-3T33SX-C-P			33	65	110	2.4	
G2042.32L-4T33SX-C-P	4–4	0.157–0.157	33	65	110	3.4	SX-4E4

Dimensional drawing shows right-hand version.

Bodies and assembly parts are included in the scope of delivery

Accessories

	s [mm]	2–4–4
	Mounting wrench for grooving insert	FS1494

WALTER SELECT

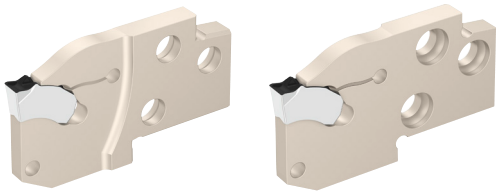
●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

Grooving module – Radial grooving

G2632-E...R/L...-SX mm

Walter Cut



Tool

Designation	s mm	T_{max} mm	D_2 mm	W mm	l_1 mm	s_1 mm	Module size	Type
G2632-E20R-2T20SX	2	20	65	4.4	42	1.6	E20	SX-2E2
G2632-E25R-2T20SX		20	80	5.9	48	1.6	E25	
G2632-E20R-3T20SX	3	20	65	4.4	42	2.4	E20	SX-3E3
G2632-E25R-3T25SX		25	90	5.9	53	2.4	E25	
G2632-E25R-3T35SX		35	80	5.9	63	2.4	E25	
G2632-E32R-3T45SX		45	90	5.9	80	2.4	E32	
G2632-E20R-4T20SX	4	20	65	4.4	42	3.4	E20	SX-4E4
G2632-E25R-4T35SX		35	80	5.9	63	3.4	E25	
G2632-E32R-4T45SX		45	90	5.9	80	3.4	E32	
G2632-E25R-5T35SX	5	35	80	5.9	63	4.3	E25	SX-5E5
G2632-E32R-5T45SX		45	90	5.9	80	4.3	E32	
G2632-E25R-6T35SX	6	35	80	5.9	63	5.3	E25	SX-6E6
G2632-E32R-6T45SX		45	90	5.9	80	5.3	E32	
G2632-E20L-2T20SX	2	20	65	4.4	42	1.6	E20	SX-2E2
G2632-E25L-2T20SX		20	80	5.9	48	1.6	E25	
G2632-E20L-3T20SX	3	20	65	4.4	42	2.4	E20	SX-3E3
G2632-E25L-3T25SX		25	90	5.9	53	2.4	E25	
G2632-E25L-3T35SX		35	80	5.9	63	2.4	E25	
G2632-E32L-3T45SX		45	90	5.9	80	2.4	E32	
G2632-E20L-4T20SX	4	20	65	4.4	42	3.4	E20	SX-4E4
G2632-E25L-4T35SX		35	80	5.9	63	3.4	E25	
G2632-E32L-4T45SX		45	90	5.9	80	3.4	E32	
G2632-E25L-5T35SX	5	35	80	5.9	63	4.3	E25	SX-5E5
G2632-E32L-5T45SX		45	90	5.9	80	4.3	E32	
G2632-E25L-6T35SX	6	35	80	5.9	63	5.3	E25	SX-6E6
G2632-E32L-6T45SX		45	90	5.9	80	5.3	E32	
G2632-E32N-8T45SX	8	45	90	5.9	80	6.8	E32	SX-8E8

Accessories

s [mm]	2–6	8
Mounting wrench for grooving insert	FS1494	FS2274

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

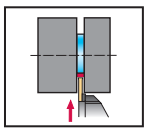
Shank tool – Radial grooving

G2016...-P mm

Walter Cut



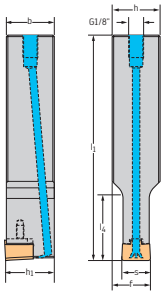
– Screw clamping
– Precision cooling



UX

Tool

Designation	s mm	s inch	T_{max} mm	h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	Type
G2016-2525N-12T40UX-P	12	0.472	41	25	25	19	150	53	UX-12E12 ..
G2016-3232N-19T40UX-P	19	0.748	41	32	32	22.5	150	53	UX-19E19 ..



Square shank

For the connection set for internal coolant supply with G1/8" thread. see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

s [mm]	12	19
Clamping screw for grooving insert Tightening torque	FS2081 (T15IP) 4 Nm	FS2588 (T20IP) 5 Nm
G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
Torx key	FS1465 (T15IP)	FS1464 (T20IP)

Accessories

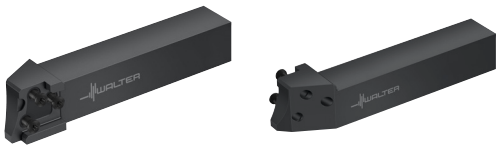
s [mm]	12	19
Torque screwdriver. analogue	FS2003	FS2003
Torque screwdriver. digital	FS2248	FS2248
Interchangeable blade	FS2014 (T15IP)	FS2015 (T20IP)

WALTER SELECT

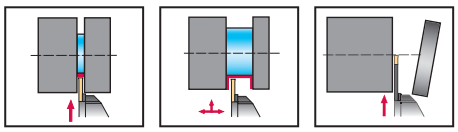
●● Primary application ● Other application
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Shank tool – modular

MSS-...00 mm

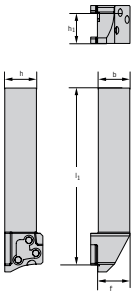


– Screw clamping



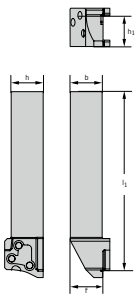
Tool

Designation	h = h_1 mm	b mm	f mm	l_1 mm	Module size
MSS-E16L00-1616G	16	16	35	93.7	E16
MSS-E20L00-2020J	20	20	44.4	114.5	E20
MSS-E25L00-2525L	25	25	31	145.5	E25
MSS-E32L00-3225N	32	25	31	165.5	E32



Square shank

Designation	h = h_1 mm	b mm	f mm	l_1 mm	Module size
MSS-E16R00-1616G	16	16	35	93.7	E16
MSS-E20R00-2020J	20	20	44.4	114.5	E20
MSS-E25R00-2525L	25	25	31	145.5	E25
MSS-E32R00-3225N	32	25	31	165.5	E32



Square shank

$f = f_1 + s/2$

Assembly parts

Module size	16	20	25	32
Screw for grooving module Tightening torque	FS1052 (T15) 2 Nm	FS1053 (T15) 2 Nm	FS1054 (T20) 3 Nm	FS1055 (T25) 3 Nm
Handle key	FS1047 (T15)	FS1047 (T15)	FS1048 (T20)	FS1049 (T25)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Shank tool – modular

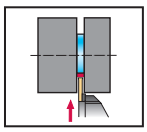
MSS-...90 mm

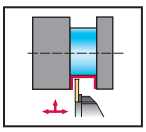
Walter Cut

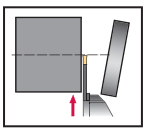




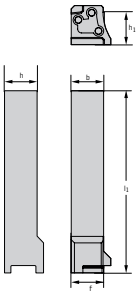
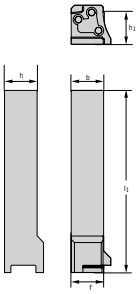
– Screw clamping







Tool

	Designation	h = h_1 mm	b mm	f mm	l_1 mm	Module size
 Square shank	MSS-E20L90-2020J	20	20	24.5	110	E20
	MSS-E25L90-2525L	25	25	30.5	140	E25
	MSS-E32L90-3225N	32	25	37.5	160	E32
 Square shank	MSS-E20R90-2020J	20	20	24.5	110	E20
	MSS-E25R90-2525L	25	25	30.5	140	E25
	MSS-E32R90-3225N	32	25	37.5	160	E32

$l_1 = l_{21} + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Module size	20	25	32
	Screw for grooving module Tightening torque	FS1053 (T15) 2 Nm	FS1054 (T20) 3 Nm	FS1055 (T25) 3 Nm
	Handle key	FS1047 (T15)	FS1048 (T20)	FS1049 (T25)

WALTER SELECT

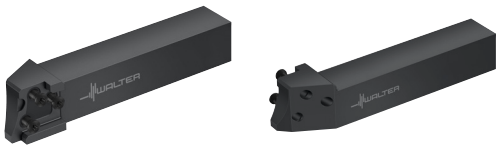
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

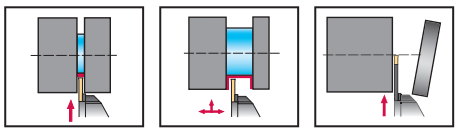
Shank tool – modular

MSS-...00 inch

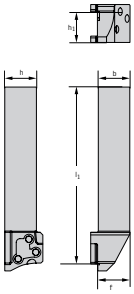
Walter Cut



– Screw clamping

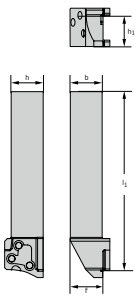


Tool



Square shank

Designation	h = h_1 inch	b inch	f inch	l_1 inch	Module size
MSS-E16L00-10-E	0.625	0.625	1.378	3.646	E16
MSS-E20L00-12-E	0.750	0.750	1.748	4.677	E20
MSS-E25L00-16-E	1.000	1.000	1.22	5.717	E25
MSS-E32L00-85-E	1.250	1.000	1.22	6.717	E32



Square shank

Designation	h = h_1 inch	b inch	f inch	l_1 inch	Module size
MSS-E16R00-10-E	0.625	0.625	1.378	3.646	E16
MSS-E20R00-12-E	0.750	0.750	1.748	4.677	E20
MSS-E25R00-16-E	1.000	1.000	1.22	5.717	E25
MSS-E32R00-85-E	1.250	1.000	1.22	6.717	E32

$f = f_1 + s/2$

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Module size	0.63	0.79	0.98	1.26
	Screw for grooving module Tightening torque	FS1052 (T15) 2 Nm	FS1053 (T15) 2 Nm	FS1054 (T20) 3 Nm	FS1055 (T25) 3 Nm
	Handle key	FS1047 (T15)	FS1047 (T15)	FS1048 (T20)	FS1049 (T25)

WALTER SELECT

●● Primary application ● Other application

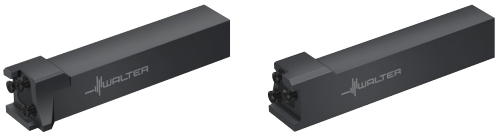
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

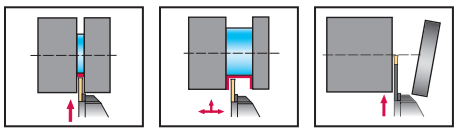
Shank tool – modular

MSS-...90 inch

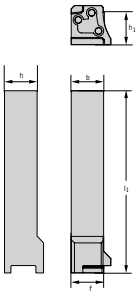
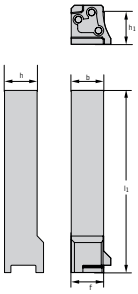
Walter Cut



– Screw clamping



Tool

	Designation	h = h_1 inch	b inch	f inch	l_1 inch	Module size
 Square shank	MSS-E20L90-12-E	0.750	0.750	0.965	4.500	E20
	MSS-E25L90-16-E	1.000	1.000	1.201	5.500	E25
	MSS-E32L90-85-E	1.250	1.000	1.476	6.500	E32
 Square shank	MSS-E20R90-12-E	0.750	0.750	0.965	4.500	E20
	MSS-E25R90-16-E	1.000	1.000	1.201	5.500	E25
	MSS-E32R90-85-E	1.250	1.000	1.476	6.500	E32

$l_1 = l_{21} + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Module size	0.79	0.98	1.26
	Screw for grooving module Tightening torque	FS1053 (T15) 2 Nm	FS1054 (T20) 3 Nm	FS1055 (T25) 3 Nm
	Handle key	FS1047 (T15)	FS1048 (T20)	FS1049 (T25)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Clamping block with internal coolant

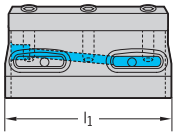
G2661...-P mm

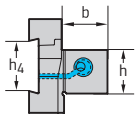
Walter Cut



– Precision cooling
– Clamping block for parting blades

Tool





Square shank

Designation	h_4	h mm	b mm	l_1 mm
G2661-1616N-26-P	26	16	16	95
G2661-2020N-26-P	26	20	20	95
G2661-2020N-32-P	32	20	20	95
G2661-2525N-32-P	32	25	25	95
G2661-3225N-32-P	32	32	25	95
G2661-3225N-52-P	52	32	25	140
G2661-4032N-52-P	52	40	32	140

For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	h [mm]	16–32	40
	Clamping wedge	PK260	PK263
	Clamping screw	M06X020 ISO4762 12.9 (SW 5)	M08X025 ISO4762 12.9 (SW 6)
	O-ring	O-RING 20X2	O-RING 27X2
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	ISO 2936 key	ISO2936-5 (SW5)	ISO2936-6 (SW 6)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Clamping block with internal coolant

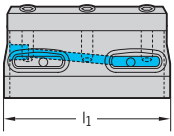
G2661...-P inch

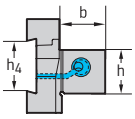
Walter Cut



– Precision cooling
– Clamping block for parting blades

Tool





Square shank

Designation	h_4	h inch	b inch	l_1 inch
G2661.12N-26-P	1.024	0.750	0.750	3.74
G2661.12N-32-P	1.260	0.750	0.750	3.74
G2661.16N-26-P	1.024	1.000	1.000	3.74
G2661.16N-32-P	1.260	1.000	1.000	3.74
G2661.20N-32-P	1.260	1.250	1.250	3.74
G2661.20N-52-P	2.047	1.250	1.250	5.512
G2661.24N-52-P	2.047	1.500	1.500	5.512

For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	h [inch]	0.75–1.25	1.5
	Clamping wedge	PK260	PK263
	Clamping screw	M06X020 ISO4762 12.9 (SW 5)	M08X025 ISO4762 12.9 (SW 6)
	O-ring	O-RING 20X2	O-RING 27X2
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	ISO 2936 key	ISO2936-5 (SW5)	ISO2936-6 (SW 6)

WALTER SELECT

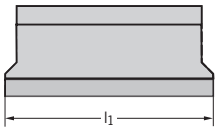
●● Primary application ● Other application

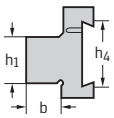
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Clamping block
SBN inch
Walter Cut



Tool





Square shank

Designation	h_4	h mm	b mm	l_1 mm
SBN12-26K-E	26.000	19	19	90
SBN12-26KS-E	26.000	19	19	90
SBN16-32-K-E	32.000	25	25	110
SBN16-32KS-E	32.000	25	25	110
SBN20-32K-E	32.000	32	32	120
SBN20-32KS-E	32.000	32	32	120
SBN2020-26-K	26	20	20	90
SBN2520-32-K	32	25	20	110
SBN3229-32-K	32	32	29	120
SBN3229-46-K	46	32	29	150
SBN4037-46-K	46	40	37	150

Bodies and assembly parts are included in the scope of delivery

Assembly parts

h [mm]	0.75–32	40
Clamping screw Tightening torque	M06X025 ISO4762 12.9 (SW 5) 44 in lbs	M08X035 ISO4762 12.9 (SW 6)

WALTER SELECT

●● Primary application ● Other application

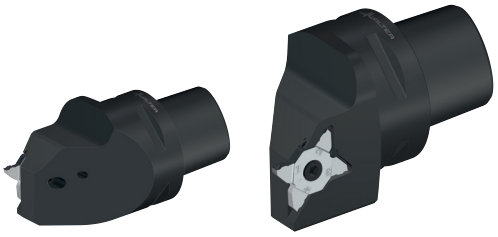
Best tool for → Good = → Average = → Poor = machining conditions

A2

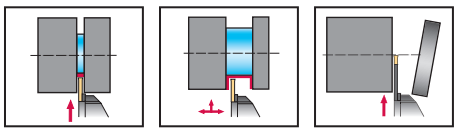
Groove turning holders – Radial grooving

G3011-C...-P mm

Walter Cut

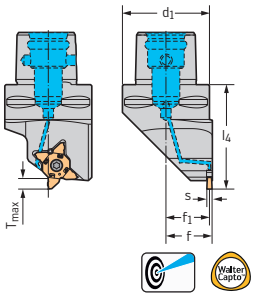


– Walter Capto™
– Screw clamping





Tool



Walter Capto™ in acc. with ISO 26623

Designation	s mm	s inch	T_{max} mm	d_1	f_1 mm	l_4 mm	Type
G3011-C3R-MX22-2-P	0.5–3.25	0.020–0.128	6	C3	20	45	MX-22-2E ..
G3011-C4R-MX22-2-P			6	C4	20	60	
G3011-C5R-MX22-2-P			6	C5	25	60	
G3011-C6R-MX22-2-P			6	C6	32	65	
G3011-C4R-MX22-4-P	4–5.65	0.157–0.222	6	C4	20	60	MX-22-4E ..
G3011-C5R-MX22-4-P			6	C5	25	60	
G3011-C6R-MX22-4-P			6	C6	32	65	
G3011-C3L-MX22-2-P	0.5–3.25	0.020–0.128	6	C3	20	45	MX-22-2E ..
G3011-C4L-MX22-2-P			6	C4	20	60	
G3011-C5L-MX22-2-P			6	C5	25	60	
G3011-C6L-MX22-2-P			6	C6	32	65	
G3011-C4L-MX22-4-P	4–5.65	0.157–0.222	6	C4	20	60	MX-22-4E ..
G3011-C5L-MX22-4-P			6	C5	25	60	
G3011-C6L-MX22-4-P			6	C6	32	65	

Dimensional drawing shows right-hand version.

$f = f_1 + s/2$
Maximum cutting depth T_{max} – see cutting inserts
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	0.5–3.25–4–5.65
	Clamping screw for grooving insert Tightening torque	FS2571 (T20IP) 5 Nm
	Torx key	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25–4–5.65
	Torque screwdriver. analogue	FS2003
	Torque screwdriver digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

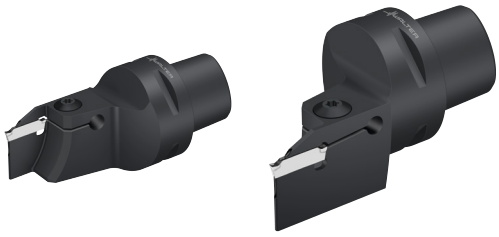
●● Primary application ● Other application

Best tool for → Good = → Average = → Poor = machining conditions

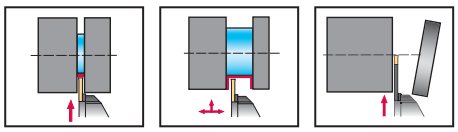
Groove turning holders – Radial grooving

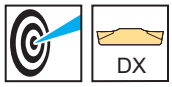
G4011-C...-P mm

Walter Cut

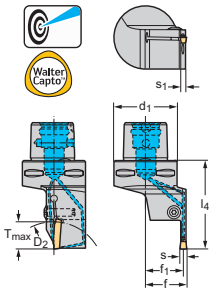


– Walter Capto™
– Screw clamping





Tool



Walter Capto™ in acc. with ISO 26623

Designation	s mm	s inch	T_{max} mm	D_2 mm	d_1	f_1 mm	l_4 mm	s_1 mm	Type
G4011-C3R-2T17DX18-P	2	0.079	17	52	C3	20	55	1.6	DX18-2E2 ..
G4011-C4R-2T17DX18-P			17	52	C4	20	60	1.6	
G4011-C3L-2T17DX18-P	2	0.079	17	52	C3	20	55	1.6	DX18-2E2 ..
G4011-C4L-2T17DX18-P			17	52	C4	20	60	1.6	

Dimensional drawing shows right-hand version.

$f = f_1 + s/2$
If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Accessories

	s [mm]	2
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

WALTER SELECT

●● Primary application ● Other application

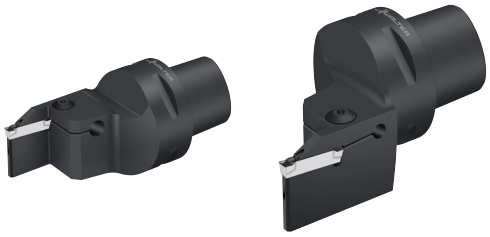
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

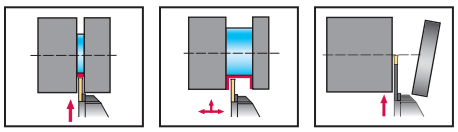
Groove turning holders – Radial grooving

G1011-C...-P mm

Walter Cut

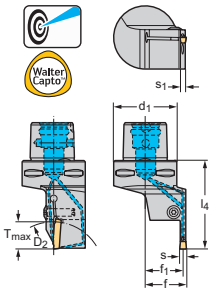


– Walter Capto™
– Screw clamping





Tool



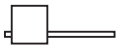
Walter Capto™ in acc. with ISO 26623

Designation	s mm	s inch	T_{max} mm	D_2 mm	d_1	f_1 mm	l_4 mm	s_1 mm	Type
G1011-C3R-3T21GX24-P	3	0.118	21	65	C3	20.5	60	2.4	GX24-2E3 .. GX24-2F3 ..
G1011-C4R-3T21GX24-P			21	65	C4	25.5	65	2.4	
G1011-C5R-3T21GX24-P			21	65	C5	30.5	70	2.4	
G1011-C4R-4T21GX24-P	4	0.157	21	65	C4	25	65	3.4	GX24-3E4 .. GX24-3F4 ..
G1011-C5R-4T21GX24-P			21		C5	30	70	3.4	
G1011-C6R-4T21GX24-P			21		C6	36	76	3.4	
G1011-C4R-5T21GX24-P	5	0.197	21		C4	24.5	65	4.2	GX24-3E5 .. GX24-3F5 ..
G1011-C5R-5T21GX24-P			21		C5	30	70	4.2	
G1011-C6R-5T21GX24-P			21		C6	36	76	4.2	
G1011-C3L-3T21GX24-P	3	0.118	21	65	C3	20.5	60	2.4	GX24-2E3 .. GX24-2F3 ..
G1011-C4L-3T21GX24-P			21	65	C4	25.5	65	2.4	
G1011-C5L-3T21GX24-P			21	65	C5	30.5	70	2.4	
G1011-C4L-4T21GX24-P	4	0.157	21	65	C4	25	65	3.4	GX24-3E4 .. GX24-3F4 ..
G1011-C5L-4T21GX24-P			21		C5	30	70	3.4	
G1011-C6L-4T21GX24-P			21		C6	36	76	3.4	
G1011-C4L-5T21GX24-P	5	0.197	21		C4	24.5	65	4.2	GX24-3E5 .. GX24-3F5 ..
G1011-C5L-5T21GX24-P			21		C5	30	70	4.2	
G1011-C6L-5T21GX24-P			21		C6	36	76	4.2	

Dimensional drawing shows right-hand version.

$f = f_1 + s/2$
If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	3–5
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

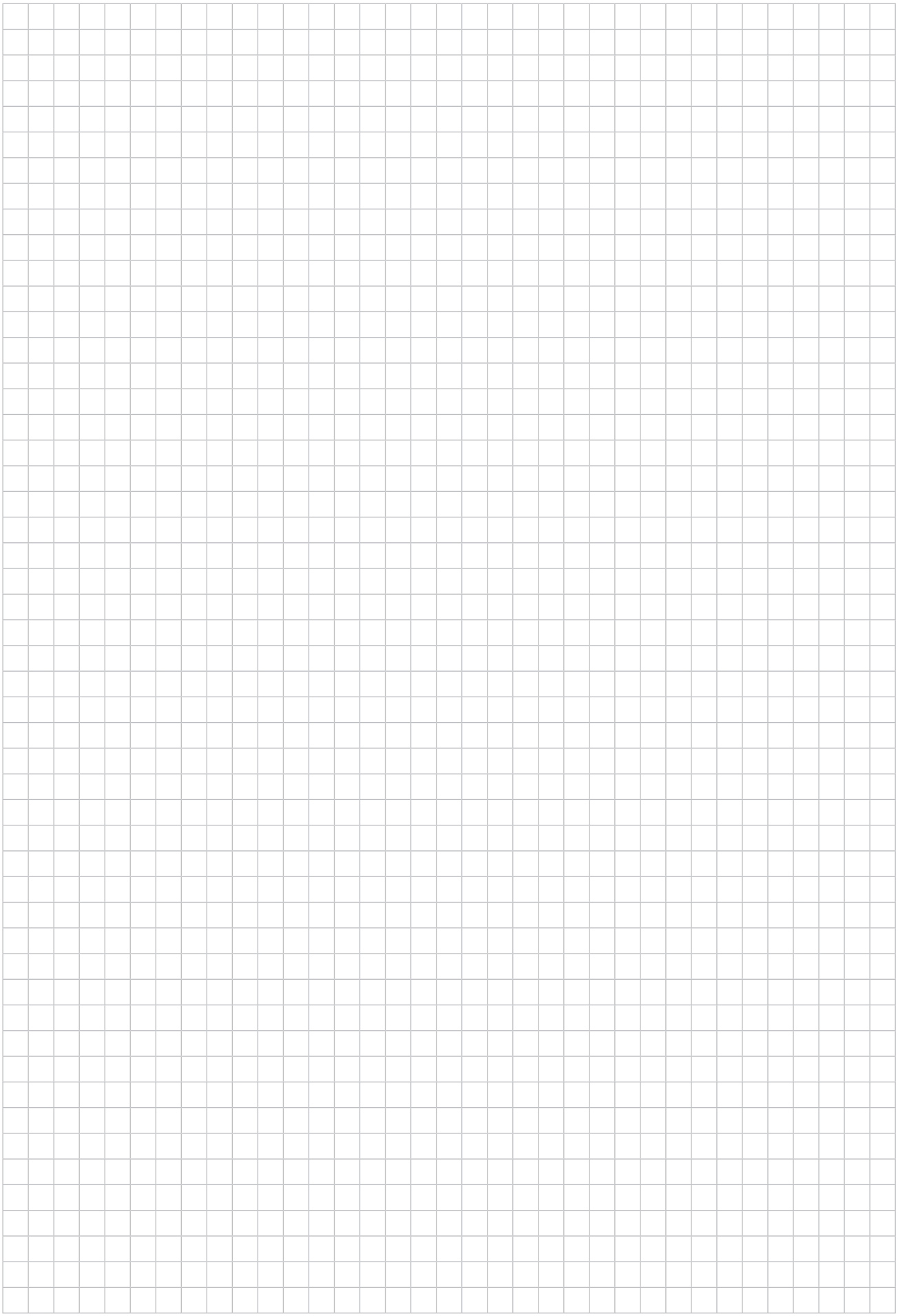
Accessories

	s [mm]	3–5
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

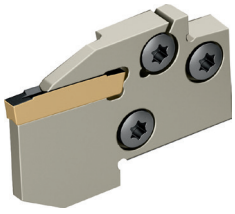
WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

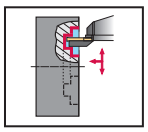


Grooving module – Radial grooving
MSS...E...



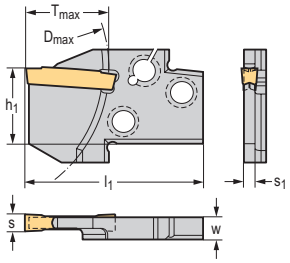
A2

– Screw clamping

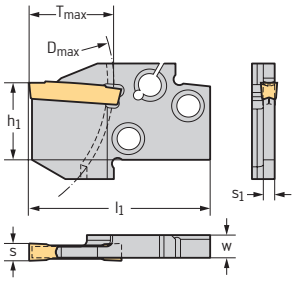




Tool



Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
MSS-E20L03-GX16-2	0.6	3	63	16	4.4	33	2	E20	GX16-2S ..
MSS-E25L03-GX16-2		3	79	20	5.9	38	2	E25	
MSS-E32L03-GX16-2		3	100	25.5	5.9	45	2	E32	
MSS-E16L02-GX09-1	2	2	52	12.5	3.8	24	1.3	E16	GX09-1S ..
MSS-E16L07-GX09-1		7	52	12.5	3.8	24	1.3	E16	GX09-1E1 ..
MSS-E20L12-GX16-1		12	63	16	4.4	33	1.3	E20	GX16-1E2 ..
MSS-E25L12-GX16-1		12	79	20	5.9	38	1.3	E25	
MSS-E16L07-GX09-2	3	7	52	12.5	3.8	24	2	E16	GX09-2E3 ..
MSS-E20L12-GX16-2		12	63	16	4.4	33	2	E20	GX16-2E3 ..
MSS-E20L21-GX24-2		21	63	16	4.4	42	2	E20	GX24-2E3 .. GX24-2F3 ..
MSS-E25L12-GX16-2		12	79	20	5.9	38	2	E25	GX16-2E3 ..
MSS-E25L21-GX24-2		21	79	20	5.9	47	2	E25	GX24-2E3 .. GX24-2F3 ..
MSS-E32L12-GX16-2		12	100	25.5	5.9	45	2	E32	GX16-2E3 ..
MSS-E20L12-GX16-3	4	12	63	16	4.4	33	3	E20	GX16-3E ..
MSS-E25L12-GX16-3		12	79	20	5.9	38	3	E25	
MSS-E25L21-GX24-3		21	79	20	5.9	47	3	E25	GX24-3E4 .. GX24-3F4 ..
MSS-E32L12-GX16-3		12	100	25.5	5.9	45	3	E32	GX16-3E ..
MSS-E32L21-GX24-3		21	100	25.5	5.9	54	3	E32	GX24-3E4 .. GX24-3F4 ..
MSS-E25L12-GX16-4	6	12	79	20	5.9	38	4.2	E25	GX16-4E6 ..
MSS-E25L21-GX24-4		21	79	20	5.9	47	4.2	E25	GX24-4E6 ..
MSS-E32L21-GX24-4		21	100	25.5	5.9	54	4.2	E32	
MSS-E25L21-GX24-5	8	21	79	20	5.9	47	5.9	E25	GX24-5R ..



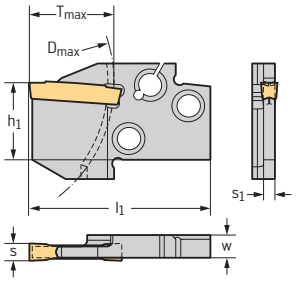
Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
MSS-E20R03-GX16-2	0.6	3	63	16	4.4	33	2	E20	GX16-2S ..
MSS-E25R03-GX16-2		3	79	20	5.9	38	2	E25	
MSS-E32R03-GX16-2		3	100	25.5	5.9	45	2	E32	
MSS-E16R02-GX09-1	2	2	52	12.5	3.8	24	1.3	E16	GX09-1S ..
MSS-E16R07-GX09-1		7	52	12.5	3.8	24	1.3	E16	GX09-1E1 ..
MSS-E20R12-GX16-1		12	63	16	4.4	33	1.3	E20	GX16-1E2 ..
MSS-E25R12-GX16-1		12	79	20	5.9	38	1.3	E25	
MSS-E16R07-GX09-2	3	7	52	12.5	3.8	24	2	E16	GX09-2E3 ..
MSS-E20R12-GX16-2		12	63	16	4.4	33	2	E20	GX16-2E3 ..
MSS-E20R21-GX24-2		21	63	16	4.4	42	2	E20	GX24-2E3 .. GX24-2F3 ..
MSS-E25R12-GX16-2		12	79	20	5.9	38	2	E25	GX16-2E3 ..
MSS-E25R21-GX24-2		21	79	20	5.9	47	2	E25	GX24-2E3 .. GX24-2F3 ..
MSS-E32R12-GX16-2		12	100	25.5	5.9	45	2	E32	GX16-2E3 ..

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

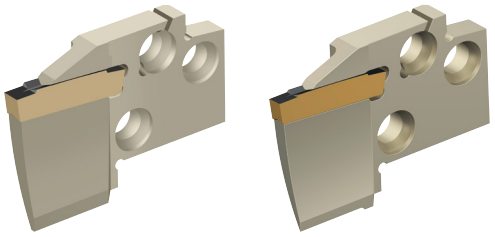
Tool



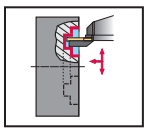
Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
MSS-E20R12-GX16-3	4	12	63	16	4.4	33	3	E20	GX16-3E ..
MSS-E25R12-GX16-3		12	79	20	5.9	38	3	E25	
MSS-E25R21-GX24-3		21	79	20	5.9	47	3	E25	GX24-3E4 .. GX24-3F4 ..
MSS-E32R12-GX16-3		12	100	25.5	5.9	45	3	E32	GX16-3E ..
MSS-E32R21-GX24-3		21	100	25.5	5.9	54	3	E32	GX24-3E4 .. GX24-3F4 ..
MSS-E25R12-GX16-4	6	12	79	20	5.9	38	4.2	E25	GX16-4E6 ..
MSS-E25R21-GX24-4		21	79	20	5.9	47	4.2	E25	GX24-4E6 ..
MSS-E32R21-GX24-4		21	100	25.5	5.9	54	4.2	E32	
MSS-E25R21-GX24-5	8	21	79	20	5.9	47	5.9	E25	GX24-5R ..

A2

Grooving module – Axial grooving
MSS...E...C / MSS...E...A
Walter Cut

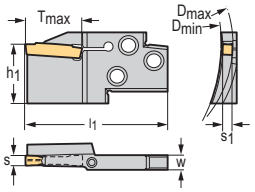
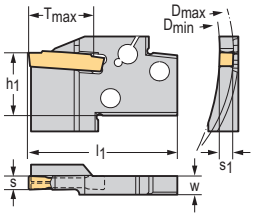
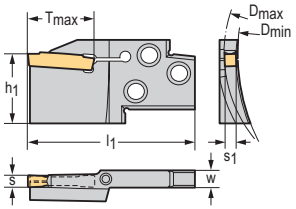


– Screw clamping





Tool

	Designation	s mm	T_{max} mm	D_{min} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
	MSS-E25L21-GX24-3C100150	4	21	100	150	20	6.2	60	3	E25	GX24-3E4 .. GX24-3F4 ..
	MSS-E25L21-GX24-3C150300		21	150	300	20	6.2	60	3	E25	
	MSS-E25L21-GX24-3C5070		21	50	70	20	6.2	60	3	E25	
	MSS-E25L21-GX24-3C70100		21	70	100	20	6.2	60	3	E25	
	MSS-E25L25-GX24-4C100150	6	25	100	150	20	6.2	60	4.2	E25	GX24-4E6 ..
	MSS-E25L25-GX24-4C150300		25	150	300	20	6.2	60	4.2	E25	
	MSS-E25L25-GX24-4C5070		25	50	70	20	6.2	60	4.2	E25	
	MSS-E25L25-GX24-4C70100		25	70	100	20	6.2	60	4.2	E25	
	MSS-E20L14-GX24-2A100150	3	14	100	150	16	4.4	42	2	E20	GX24-2E3 .. GX24-2F3 ..
	MSS-E20L14-GX24-2A5070		14	50	70	16	4.4	42	2	E20	
	MSS-E20L14-GX24-2A70100		14	70	100	16	4.4	42	2	E20	
	MSS-E25L15-GX24-2A100150		15	100	150	20	5.9	47	2	E25	
	MSS-E25L15-GX24-2A5070		15	50	70	20	5.9	47	2	E25	
	MSS-E25L15-GX24-2A70100		15	70	100	20	5.9	47	2	E25	
	MSS-E25L15-GX24-3A100150	4	15	100	150	20	5.9	47	3	E25	GX24-3E4 .. GX24-3F4 ..
	MSS-E25L15-GX24-3A150300		15	150	300	20	5.9	47	3	E25	
	MSS-E25L15-GX24-3A5070		15	50	70	20	5.9	47	3	E25	
	MSS-E25L15-GX24-3A70100		15	70	100	20	5.9	47	3	E25	
	MSS-E32L15-GX24-3A100150		15	100	150	25.5	5.9	54	3	E32	
	MSS-E32L15-GX24-3A150300		15	150	300	25.5	5.9	54	3	E32	
	MSS-E32L15-GX24-3A70100		15	70	100	25.5	5.9	54	3	E32	
	MSS-E25L15-GX24-4A100150	6	15	100	150	20	5.9	47	4.2	E25	GX24-4E6 ..
	MSS-E25L15-GX24-4A150300		15	150	300	20	5.9	47	4.2	E25	
	MSS-E25L15-GX24-4A5070		15	50	70	20	5.9	47	4.2	E25	
	MSS-E25L15-GX24-4A70100		15	70	100	20	5.9	47	4.2	E25	
	MSS-E32L15-GX24-4A100150		15	100	150	25.5	5.9	54	4.2	E32	
	MSS-E32L15-GX24-4A150300		15	150	300	25.5	5.9	54	4.2	E32	
	MSS-E32L15-GX24-4A300900		15	300	900	25.5	5.9	54	4.2	E32	
	MSS-E32L15-GX24-4A70100		15	70	100	25.5	5.9	54	4.2	E32	
	MSS-E25R21-GX24-3C100150	4	21	100	150	20	6.2	60	3	E25	GX24-3E4 .. GX24-3F4 ..
	MSS-E25R21-GX24-3C150300		21	150	300	20	6.2	60	3	E25	
	MSS-E25R21-GX24-3C5070		21	50	70	20	6.2	60	3	E25	
	MSS-E25R21-GX24-3C70100		21	70	100	20	6.2	60	3	E25	
	MSS-E25R25-GX24-4C100150	6	25	100	150	20	6.2	60	4.2	E25	GX24-4E6 ..
	MSS-E25R25-GX24-4C150300		25	150	300	20	6.2	60	4.2	E25	

Bodies and assembly parts are included in the scope of delivery

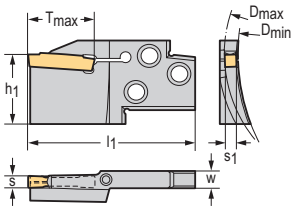
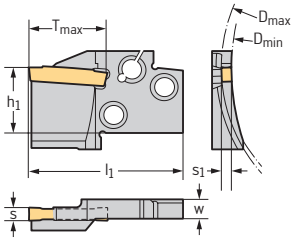
WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Tool

Designation	s mm	T_{max} mm	D_{min} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Module size	Type
										
MSS-E25R25-GX24-4C5070	6	25	50	70	20	6.2	60	4.2	E25	GX24-4E6 ..
MSS-E25R25-GX24-4C70100		25	70	100	20	6.2	60	4.2	E25	
										
MSS-E20R14-GX24-2A100150	3	14	100	150	16	4.4	42	2	E20	GX24-2E3 .. GX24-2F3 ..
MSS-E20R14-GX24-2A5070		14	50	70	16	4.4	42	2	E20	
MSS-E20R14-GX24-2A70100		14	70	100	16	4.4	42	2	E20	
MSS-E25R15-GX24-2A100150		15	100	150	20	5.9	47	2	E25	
MSS-E25R15-GX24-2A5070		15	50	70	20	5.9	47	2	E25	
MSS-E25R15-GX24-2A70100		15	70	100	20	5.9	47	2	E25	
MSS-E25R15-GX24-3A100150	4	15	100	150	20	5.9	47	3	E25	GX24-3E4 .. GX24-3F4 ..
MSS-E25R15-GX24-3A150300		15	150	300	20	5.9	47	3	E25	
MSS-E25R15-GX24-3A5070		15	50	70	20	5.9	47	3	E25	
MSS-E25R15-GX24-3A70100		15	70	100	20	5.9	47	3	E25	
MSS-E32R15-GX24-3A100150		15	100	150	25.5	5.9	54	3	E32	
MSS-E32R15-GX24-3A150300		15	150	300	25.5	5.9	54	3	E32	
MSS-E32R15-GX24-3A70100		15	70	100	25.5	5.9	54	3	E32	
MSS-E25R15-GX24-4A100150	6	15	100	150	20	5.9	47	4.2	E25	GX24-4E6 ..
MSS-E25R15-GX24-4A150300		15	150	300	20	5.9	47	4.2	E25	
MSS-E25R15-GX24-4A5070		15	50	70	20	5.9	47	4.2	E25	
MSS-E25R15-GX24-4A70100		15	70	100	20	5.9	47	4.2	E25	
MSS-E32R15-GX24-4A100150		15	100	150	25.5	5.9	54	4.2	E32	
MSS-E32R15-GX24-4A150300		15	150	300	25.5	5.9	54	4.2	E32	
MSS-E32R15-GX24-4A300900		15	300	900	25.5	5.9	54	4.2	E32	
MSS-E32R15-GX24-4A70100		15	70	100	25.5	5.9	54	4.2	E32	

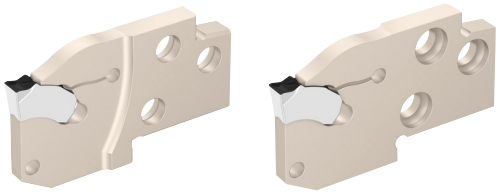
Bodies and assembly parts are included in the scope of delivery

A2

Grooving module – Radial grooving

G2632-E...R/L...-SX mm

Walter Cut



Tool

Designation	s mm	T_{max} mm	D_2 mm	W mm	l_1 mm	s_1 mm	Module size	Type
G2632-E20R-2T20SX	2	20	65	4.4	42	1.6	E20	SX-2E2
G2632-E25R-2T20SX		20	80	5.9	48	1.6	E25	
G2632-E20R-3T20SX	3	20	65	4.4	42	2.4	E20	SX-3E3
G2632-E25R-3T25SX		25	90	5.9	53	2.4	E25	
G2632-E25R-3T35SX		35	80	5.9	63	2.4	E25	
G2632-E32R-3T45SX		45	90	5.9	80	2.4	E32	
G2632-E20R-4T20SX	4	20	65	4.4	42	3.4	E20	SX-4E4
G2632-E25R-4T35SX		35	80	5.9	63	3.4	E25	
G2632-E32R-4T45SX		45	90	5.9	80	3.4	E32	
G2632-E25R-5T35SX	5	35	80	5.9	63	4.3	E25	SX-5E5
G2632-E32R-5T45SX		45	90	5.9	80	4.3	E32	
G2632-E25R-6T35SX	6	35	80	5.9	63	5.3	E25	SX-6E6
G2632-E32R-6T45SX		45	90	5.9	80	5.3	E32	
G2632-E20L-2T20SX	2	20	65	4.4	42	1.6	E20	SX-2E2
G2632-E25L-2T20SX		20	80	5.9	48	1.6	E25	
G2632-E20L-3T20SX	3	20	65	4.4	42	2.4	E20	SX-3E3
G2632-E25L-3T25SX		25	90	5.9	53	2.4	E25	
G2632-E25L-3T35SX		35	80	5.9	63	2.4	E25	
G2632-E32L-3T45SX		45	90	5.9	80	2.4	E32	
G2632-E20L-4T20SX	4	20	65	4.4	42	3.4	E20	SX-4E4
G2632-E25L-4T35SX		35	80	5.9	63	3.4	E25	
G2632-E32L-4T45SX		45	90	5.9	80	3.4	E32	
G2632-E25L-5T35SX	5	35	80	5.9	63	4.3	E25	SX-5E5
G2632-E32L-5T45SX		45	90	5.9	80	4.3	E32	
G2632-E25L-6T35SX	6	35	80	5.9	63	5.3	E25	SX-6E6
G2632-E32L-6T45SX		45	90	5.9	80	5.3	E32	
G2632-E32N-8T45SX	8	45	90	5.9	80	6.8	E32	SX-8E8

Accessories

s [mm]	2–6	8
Mounting wrench for grooving insert	FS1494	FS2274

WALTER SELECT

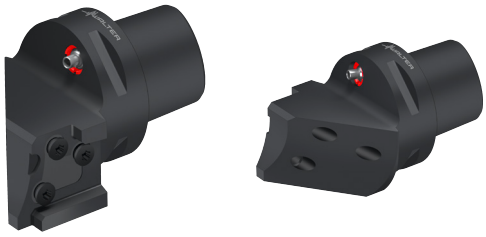
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

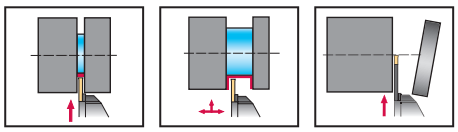
Turning toolholder – modular

C...-MSS mm

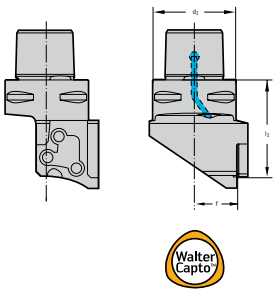
Walter Cut



– Walter Capto™
– Screw clamping

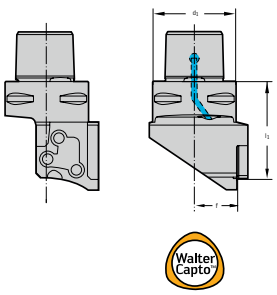


Tool



Walter Capto™ in acc. with ISO 26623

Designation	d_1	f mm	Module size	l_1 mm
C3-MSS-E20L00	C3	20	E20	41.1
C4-MSS-E25L00	C4	26	E25	53
C5-MSS-E25L00	C5	31	E25	53
C6-MSS-E25L00	C6	37	E25	59
C6-MSS-E32L00	C6	37	E32	59



Walter Capto™ in acc. with ISO 26623

C3-MSS-E20R00	C3	20	E20	41.1
C4-MSS-E25R00	C4	26	E25	53
C5-MSS-E25R00	C5	31	E25	53
C6-MSS-E25R00	C6	37	E25	59
C6-MSS-E32R00	C6	37	E32	59

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	d1 Module size	C3 20	C4 25	C5 25	C6 32
	C3 cooling lubricant nozzle	FS1477	FS1477		
	C5 cooling lubricant nozzle			FS1476	FS1476
	Screw for grooving module Tightening torque	FS1053 (T15) 2 Nm	FS1054 (T20) 3 Nm	FS1054 (T20) 3 Nm	FS1055 (T25) 3 Nm
	Handle key	FS1047 (T15)	FS1048 (T20)	FS1048 (T20)	FS1049 (T25)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

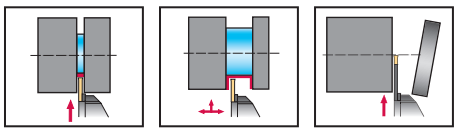
Turning toolholder – modular

C...-MSS...90 mm

Walter Cut

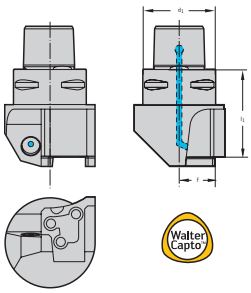


– Walter Capto™
– Screw clamping



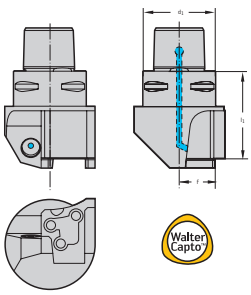
Tool

Designation	d_1 mm	f mm	l_1 mm	Module size
C4-MSS-E25L90	40	25.5	78	E25
C5-MSS-E25L90	50	30.5	84	E25
C6-MSS-E32L90	63	32.5	103.5	E32



Walter Capto™ in acc. with ISO 26623

Designation	d_1 mm	f mm	l_1 mm	Module size
C4-MSS-E25R90	40	25.5	78	E25
C5-MSS-E25R90	50	30.5	84	E25
C6-MSS-E32R90	63	32.5	103.5	E32



Walter Capto™ in acc. with ISO 26623

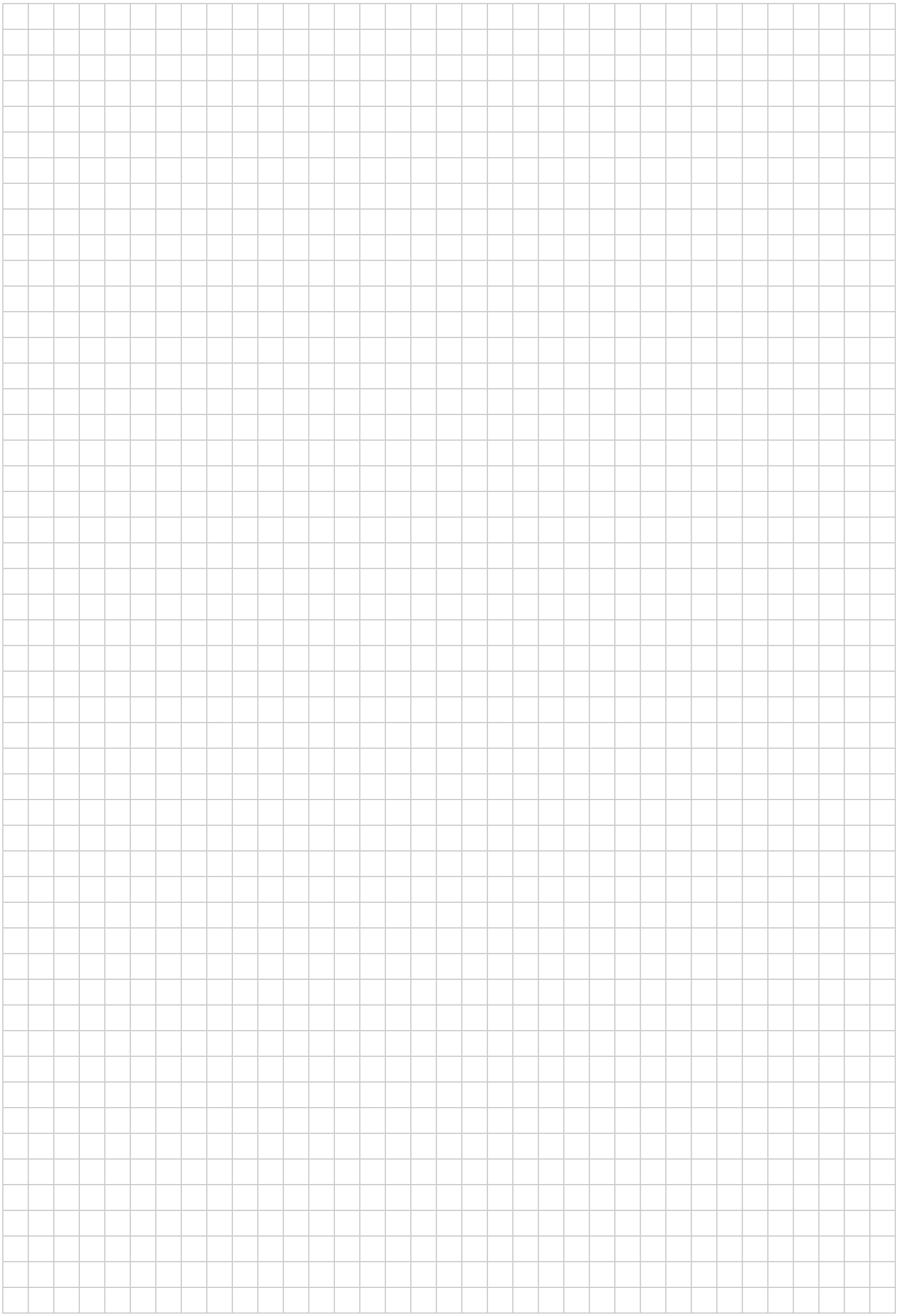
Assembly parts

Module size	25	32
C4 cooling lubricant nozzle	FS1477	
C6 cooling lubricant nozzle		FS1476
Screw for grooving module Tightening torque	FS1054 (T20) 3 Nm	FS1055 (T25) 3 Nm
Handle key	FS1048 (T20)	FS1049 (T25)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions



A2

Boring bar – Internal grooving

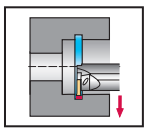
G3221...-P mm

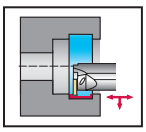
Walter Cut





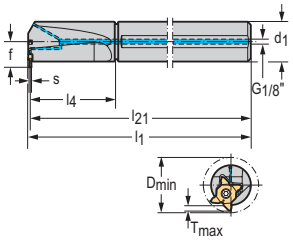
– Screw clamping
– Precision cooling







Tool

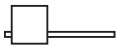


Cylindrical shank with flat

Designation	s mm	s inch	T_{max} mm	D_{min} mm	d_1 mm	f mm	l_4 mm	l_{21} mm	l_1 mm	Type
G3221-32SR-MX22-2-P	0.5–3.25	0.020–0.128	4	80	32	30	72	248.3	250	MX-22-2E ..
G3221-32SL-MX22-2-P	0.5–3.25	0.020–0.128	4	80	32	30	72	248.3	250	MX-22-2E ..

Dimensional drawing shows right-hand version.
For the connection set for internal coolant supply with G1/8" thread. see "Assembly parts and accessories"
The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	0.5–3.25
	Clamping screw for grooving insert Tightening torque	FS2571 (T20IP) 5 Nm
	Threaded plug	M03X003 ISO 4026 (SW 1.5)
	O-ring	O-RING 27X2
	Torx key	FS2572 (T10IP)

Accessories

	s [mm]	0.5–3.25
	Torque screwdriver. analogue	FS2003
	Interchangeable blade	FS2015 (T20IP)
	Torque screwdriver. digital	FS2248

WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Boring bar – Internal grooving

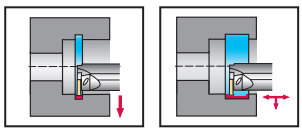
G4221...-P inch

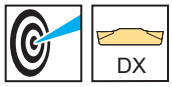
Walter Cut



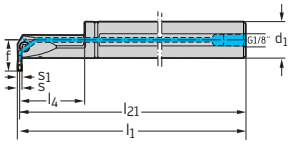
A2

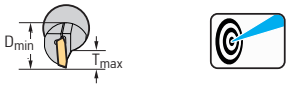
– Screw clamping
– Precision cooling





Tool





Cylindrical shank

Designation	s mm	s inch	T_{max} inch	D_{min} inch	d_1 inch	f inch	l_4 inch	l_{21} inch	s_1 inch	Type
G4221.16RR-2T08-DX18-P	2	0.079	0.315	1.000	1.000	0.839	1.821	7.843	0.063	DX18-2E2 ..
G4221.16RR-3T08-DX18-P	3	0.118	0.315	1.000	1.000	0.839	1.821	7.825	0.098	DX18-3E3 .. DX18-3F3 ..
G4221.20SR-3T10-DX18-P			0.394	1.250	1.250	1.043	2.333	9.793	0.098	
G4221.20SR-4T10-DX18-P	4	0.157	0.394	1.250	1.250	1.043	2.335	9.776	0.134	DX18-4E4 .. DX18-4F4 ..

$l_1 = l_{21} + s/2$
The maximum recommended coolant pressure is 80 bar (1160 psi)
For the connection set for internal coolant supply with G1/8" thread. see "Assembly parts and accessories"
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D_{min} [inch]	1	1.25
	Clamping screw for grooving insert Tightening torque	FS1495 (T20IP) 44 in lbs	FS2089 (T25IP) 53 in lbs
	Threaded plug	M03X003 ISO 4026 (SW 1.5)	M03X003 ISO 4026 (SW 1.5)
	O-ring	O-RING 20X2	O-RING 27X2
	Screwdriver	FS1486 (T20IP)	FS1487 (T25IP)

Accessories

	D_{min} [inch]	1	1.25
	Torque screwdriver. analogue	FS2004	FS2004
	Interchangeable blade	FS2015 (T20IP)	FS2016 (T25IP)
	Torque screwdriver. digital	FS2248	FS2248

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

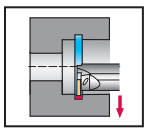
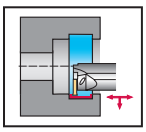
Boring bar – Internal grooving

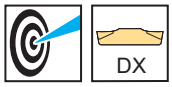
G4221...-P mm

Walter Cut

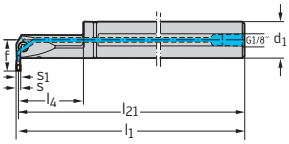


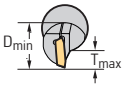

– Screw clamping
– Precision cooling



Tool







Cylindrical shank

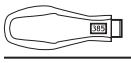
Designation	s mm	s inch	T_{max} mm	D_{min} mm	d_1 mm	f mm	l_4 mm	l_{21} mm	s_1 mm	Type
G4221-25RR-2T08-DX18-P	2	0.079	8	25	25	21.1	46.2	199.2	1.6	DX18-2E2 ..
G4221-25RR-3T08-DX18-P	3	0.118	8	25	25	21.1	46.3	198.8	2.5	DX18-3E3 .. DX18-3F3 ..
G4221-32SR-3T10-DX18-P			10	32	32	26.6	59.3	248.8	2.5	
G4221-32SR-4T10-DX18-P	4	0.157	10	32	32	26.6	59.3	248.3	3.4	DX18-4E4 .. DX18-4F4 ..
G4221-25RL-2T08-DX18-P	2	0.079	8	25	25	21.1	46.2	199.2	1.6	DX18-2E2 ..
G4221-25RL-3T08-DX18-P	3	0.118	8	25	25	21.1	46.3	198.8	2.5	DX18-3E3 .. DX18-3F3 ..
G4221-32SL-3T10-DX18-P			10	32	32	26.6	59.3	248.8	2.5	
G4221-32SL-4T10-DX18-P	4	0.157	10	32	32	26.6	59.3	248.3	3.4	DX18-4E4 .. DX18-4F4 ..

Dimensional drawing shows right-hand version.
$l_1 = l_{21} + s/2$
The maximum recommended coolant pressure is 80 bar (1160 psi)
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D_{min} [mm]	25	32
	Clamping screw for grooving insert Tightening torque	FS1495 (T20IP) 5 Nm	FS2089 (T25IP) 6 Nm
	Threased plug	M03X003 ISO 4026 (SW 1,5)	M03X003 ISO 4026 (SW 1,5)
	O-ring	O-RING 20X2	O-RING 27X2
	Screwdriver	FS1486 (T20IP)	FS1487 (T25IP)

Accessories

	D_{min} [mm]	25	32
	Torque screwdriver, analogue	FS2003	FS2003
	Interchangeable blade	FS2015 (T20IP)	FS2016 (T25IP)
	Torque screwdriver, digital	FS2248	FS2248

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

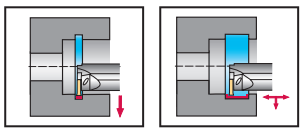
Boring bar – Internal grooving

G1221...-P mm

Walter Cut

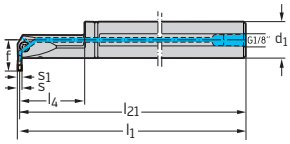


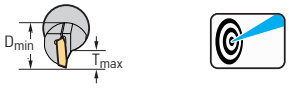
– Screw clamping
– Precision cooling





Tool





Cylindrical shank

Designation	s mm	s inch	D_{min} mm	l_1 mm	Type
G1221-16QR-2T04-GX09-P	2–2.5	0.079–0.098	16	180.3	GX09-1E1 ..
G1221-20QR-2T06-GX09-P			20	180.3	
G1221-20QR-3T06-GX09-P	2.5–3	0.098–0.118	20	180.45	GX09-2E3 ..
G1221-40TR-3T12-GX24-P	3	0.118	40	300.45	GX24-2E3 .. GX24-2F3 ..
G1221-40TR-4T12-GX24-P	4	0.157	40	300.45	GX24-3E4 .. GX24-3F4 ..
G1221-40TR-5T12-GX24-P	5–6	0.197–0.236	40	300.6	
G1221-16QL-2T04-GX09-P	2–2.5	0.079–0.098	16	180.3	GX09-1E1 ..
G1221-20QL-2T06-GX09-P			20	180.3	
G1221-20QL-3T06-GX09-P	2.5–3	0.098–0.118	20	180.45	GX09-2E3 ..
G1221-40TL-3T12-GX24-P	3	0.118	40	300.45	GX24-2E3 .. GX24-2F3 ..
G1221-40TL-4T12-GX24-P	4	0.157	40	300.45	GX24-3E4 .. GX24-3F4 ..
G1221-40TL-5T12-GX24-P	5–6	0.197–0.236	40	300.6	

Dimensional drawing shows right-hand version.
$l_1 = l_{21} + s/2$
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2.5–3 20–2–2.5 20	2–2.5 16	3 40–5–6 40
	Clamping screw for grooving insert Tightening torque	FS2081 (T15IP) 4 Nm	FS1453 (T15IP) 3,5 Nm	FS2089 (T25IP) 6 Nm
	Threaded plug	M03X003 ISO 4026 (SW 1,5)	M02X002 ISO 4026 (SW 0,9)	M02X002 ISO 4026 (SW 0,9)
	O-ring	O-RING 15X2	O-RING 11X2	O-RING 34X2
	Screwdriver	FS1485 (T15IP)	FS1485 (T15IP)	FS1487 (T25IP)

Accessories

	s [mm]	2.5–3 20–2–2.5 20	3 40–5–6 40
	Torque screwdriver, analogue	FS2003	FS2003
	Interchangeable blade	FS2014 (T15IP)	FS2016 (T25IP)
	Torque screwdriver, digital	FS2248	FS2248

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

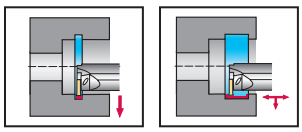
Boring bar – Internal grooving

G1221...-P inch

Walter Cut

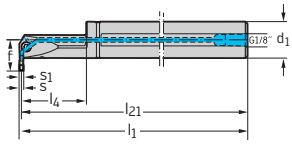


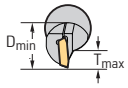
– Screw clamping
– Precision cooling





Tool







Cylindrical shank

Designation	s mm	s inch	D_{min} inch	l_1 inch	Type
G1221.10QR-2T04-GX09-P	2–2.5	0.079–0.098	0.625	7.098	GX09-1E1 ..
G1221.12QR-2T06-GX09-P			0.750	7.098	
G1221.12QR-3T06-GX09-P	3	0.118	0.750	7.104	GX09-2E3 ..
G1221.24TR-4T12-GX24-P	4	0.157	1.500	11.829	GX24-3E4 .. GX24-3F4 ..
G1221.24TR-5T12-GX24-P	5–6	0.197–0.236	1.500	11.835	
G1221.10QL-2T04-GX09-P	2–2.5	0.079–0.098	0.625	7.098	GX09-1E1 ..
G1221.12QL-2T06-GX09-P			0.750	7.098	
G1221.12QL-3T06-GX09-P	3	0.118	0.750	7.104	GX09-2E3 ..
G1221.24TL-4T12-GX24-P	4	0.157	1.500	11.829	GX24-3E4 .. GX24-3F4 ..
G1221.24TL-5T12-GX24-P	5–6	0.197–0.236	1.500	11.835	

Dimensional drawing shows right-hand version.
$l_1 = l_{21} + s/2$
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
Bodies and assembly parts are included in the scope of delivery

Assembly parts

s [inch]	0.079–0.098 0.625	0.079–0.098 0.750–0.118 0.750	0.157 1.500–0.197–0.236 1.500
Clamping screw for grooving insert Tightening torque	FS1453 (T15IP) 31 in lbs	FS2081 (T15IP) 35 in lbs	FS2089 (T25IP) 53 in lbs
Threaded plug	M02X002 ISO 4026 (SW 0,9)	M03X003 ISO 4026 (SW 1,5)	M02X002 ISO 4026 (SW 0,9)
O-ring	O-RING 11X2	O-RING 15X2	O-RING 34X2
Screwdriver	FS1485 (T15IP)	FS1485 (T15IP)	FS1487 (T25IP)

Accessories

s [inch]	0.079–0.098 0.625–0.118 0.750	0.157 1.500–0.197–0.236 1.500
Torque screwdriver, analogue	FS2004	FS2004
Interchangeable blade	FS2014 (T15IP)	FS2016 (T25IP)
Torque screwdriver, digital	FS2248	FS2248

WALTER SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

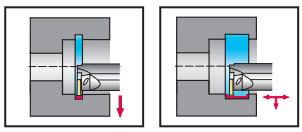
Boring bar – Internal grooving

I12 mm

Walter Cut



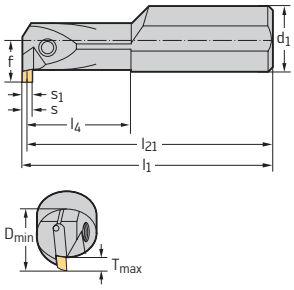
– Screw clamping





Tool

Designation	s mm	s inch	D_{min} mm	l_1 mm	Type
I12L90-2.5D-GX09	2–2.75	0.079–0.108	16	151	GX09-1E1 ..
I12R90-2.5D-GX09			16	151	



Cylindrical shank

$l_1 = l_{21} + s/2$
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	s [mm]	2–2.75 16
	Clamping screw for grooving insert Tightening torque	FS2139 (T20IP) 5 Nm
	Handle key for grooving insert	FS1486 (T20IP)

WALTER SELECT

●● Primary application ● Other application

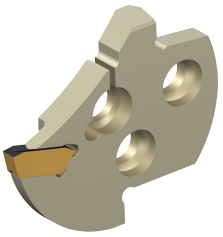
Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

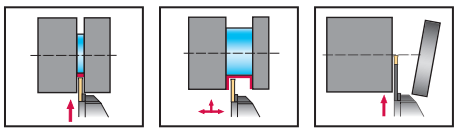
Grooving module – Internal grooving

MSS...I...

Walter Cut



– Screw clamping





Tool

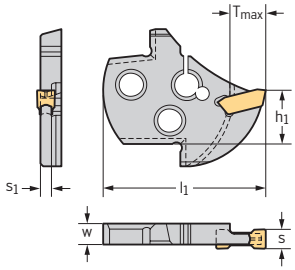
Designation	s mm	T_{max} mm	l_1 mm	s_1 mm	Module size
MSS-I16L04-GX09-1	2	4	19	1.3	E16
MSS-I20L05-GX09-1		5	23	1.3	E20
MSS-I25L06-GX09-1		6	30	1.3	E25
MSS-I16L02-GX09-1		2	19	1.3	E16
MSS-I20L02-GX09-1		2	23	1.3	E20
MSS-I25L02-GX09-1		2	30	1.3	E25
MSS-I16L04-GX09-2	3	4	19	2	E16
MSS-I20L05-GX09-2		5	23	2	E20
MSS-I25L06-GX09-2		6	30	2	E25
MSS-I32L09-GX16-1	2	9	38	1.3	E32
MSS-I40L10-GX16-1		10	47	1.3	E40
MSS-I32L09-GX16-2	3	9	38	2	E32
MSS-I40L10-GX16-2		10	47	2	E40
MSS-I32L03-GX16-2	0.6	3	38	2	E32
MSS-I40L03-GX16-2		3	47	2	E40
MSS-I32L09-GX16-3	4	9	38	3	E32
MSS-I40L10-GX16-3		10	47	3	E40
MSS-I32L09-GX16-4	6	9	38	4.2	E32
MSS-I40L10-GX16-4		10	47	4.2	E40
MSS-I40N19-GX24-3	4	19	55	3	E40
MSS-I40N19-GX24-4	6	19	55	4.2	E40

WALTER SELECT

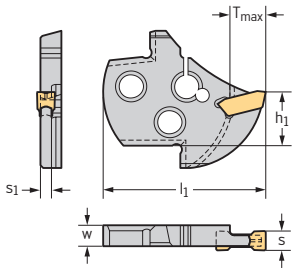
●● Primary application ● Other application

Best tool for ➔ Good = ☺ ➔ Average = 😐 ➔ Poor = ☹ machining conditions

Tool



Designation	s mm	T_{max} mm	l_1 mm	s_1 mm	Module size
MSS-I16R04-GX09-1	2	4	19	1.3	E16
MSS-I20R05-GX09-1		5	23	1.3	E20
MSS-I25R06-GX09-1		6	30	1.3	E25
MSS-I16R02-GX09-1		2	19	1.3	E16
MSS-I20R02-GX09-1		2	23	1.3	E20
MSS-I25R02-GX09-1		2	30	1.3	E25
MSS-I16R04-GX09-2	3	4	19	2	E16
MSS-I20R05-GX09-2		5	23	2	E20
MSS-I25R06-GX09-2		6	30	2	E25
MSS-I32R09-GX16-1	2	9	38	1.3	E32
MSS-I40R10-GX16-1		10	47	1.3	E40
MSS-I32R09-GX16-2	3	9	38	2	E32
MSS-I40R10-GX16-2		10	47	2	E40
MSS-I32R03-GX16-2	0.6	3	38	2	E32



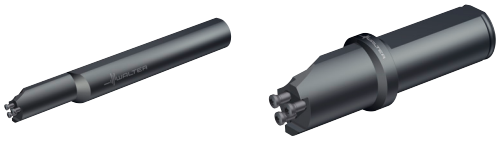
MSS-I40R03-GX16-2	0.6	3	47	2	E40
MSS-I32R09-GX16-3	4	9	38	3	E32
MSS-I40R10-GX16-3		10	47	3	E40
MSS-I32R09-GX16-4	6	9	38	4.2	E32
MSS-I40R10-GX16-4		10	47	4.2	E40

A2

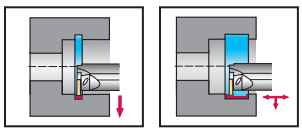
Boring bar – modular

MSS...I...90-1.5 / MSS...I...90-2.5 mm

Walter Cut

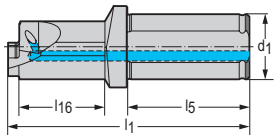
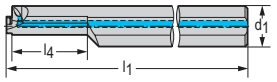
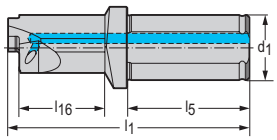
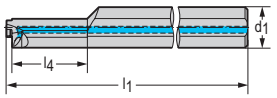


– Screw clamping





Tool

	Designation	d_1 mm	l_1 mm	Module size
 Cylindrical shank	MSS-I16L90-1.5D-N	20	81.7	E16
	MSS-I20L90-1.5D-N	20	86.7	E20
	MSS-I25L90-1.5D-N	25	101.7	E25
	MSS-I32L90-1.5D-N	32	118.6	E32
	MSS-I40L90-1.5D-N	40	141.6	E40
 Cylindrical shank	MSS-I16L90-2.5D-N	20	179.7	E16
	MSS-I20L90-2.5D-N	20	199.7	E20
	MSS-I25L90-2.5D-N	25	249.7	E25
	MSS-I32L90-2.5D-N	32	299.6	E32
	MSS-I40L90-2.5D-N	40	349.6	E40
 Cylindrical shank	MSS-I16R90-1.5D-N	20	81.7	E16
	MSS-I20R90-1.5D-N	20	86.7	E20
	MSS-I25R90-1.5D-N	25	101.7	E25
	MSS-I32R90-1.5D-N	32	118.6	E32
	MSS-I40R90-1.5D-N	40	141.6	E40
 Cylindrical shank	MSS-I16R90-2.5D-N	20	179.7	E16
	MSS-I20R90-2.5D-N	20	199.7	E20
	MSS-I25R90-2.5D-N	25	249.7	E25
	MSS-I32R90-2.5D-N	32	299.6	E32
	MSS-I40R90-2.5D-N	40	349.6	E40

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Module size	16	20	25	32	40
	Screw for grooving module Tightening torque	FS1051 (T8) 2 Nm	FS1056 (T10) 2 Nm	FS1052 (T15) 2 Nm	FS1057 (T20) 3 Nm	FS1054 (T20) 3 Nm
	Handle key	FS257 (T8)	FS1050 (T10)	FS1047 (T15)	FS1048 (T20)	FS1048 (T20)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Boring bar – modular

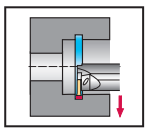
MSS...I...90-1.5 / MSS...I...90-2.5 inch

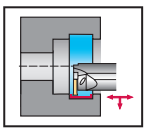
Walter Cut





– Screw clamping

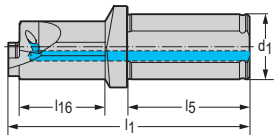
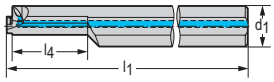
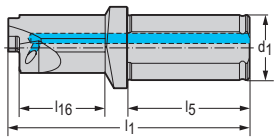
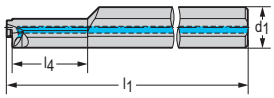








Tool

	Designation	d_1 inch	l_1 inch	Module size
 Cylindrical shank	MSS-I16L90-1,5D-E	0.750	3.217	E16
	MSS-I20L90-1,5D-E	0.750	3.413	E20
	MSS-I25L90-1,5D-E	0.750	4.004	E25
	MSS-I32L90-1,5D-E	1.500	4.669	E32
	MSS-I40L90-1,5D-E	2.000	5.575	E40
 Cylindrical shank	MSS-I16L90-2,5D-E	0.750	7.075	E16
	MSS-I20L90-2,5D-E	0.750	7.862	E20
	MSS-I25L90-2,5D-E	1.000	9.831	E25
	MSS-I32L90-2,5D-E	1.500	11.795	E32
	MSS-I40L90-2,5D-E	2.000	13.764	E40
 Cylindrical shank	MSS-I16R90-1,5D-E	0.750	3.217	E16
	MSS-I20R90-1,5D-E	0.750	3.413	E20
	MSS-I25R90-1,5D-E	1.000	4.004	E25
	MSS-I32R90-1,5D-E	1.500	4.669	E32
	MSS-I40R90-1,5D-E	2.000	5.575	E40
 Cylindrical shank	MSS-I16R90-2,5D-E	0.750	7.075	E16
	MSS-I20R90-2,5D-E	0.750	7.862	E20
	MSS-I25R90-2,5D-E	1.000	9.831	E25
	MSS-I32R90-2,5D-E	1.500	11.795	E32
	MSS-I40R90-2,5D-E	2.000	13.764	E40

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Module size	0,63	0,79	0,98	1,26	1,57
	Screw for grooving module Tightening torque	FS1051 (T8) 2 Nm	FS1056 (T10) 2 Nm	FS1052 (T15) 2 Nm	FS1057 (T20) 3 Nm	FS1054 (T20) 3 Nm
	Handle key	FS257 (T8)	FS1050 (T10)	FS1047 (T15)	FS1048 (T20)	FS1048 (T20)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

A2

Exchangeable head – Internal grooving

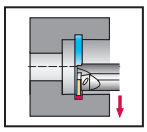
G4221-Q...-P mm

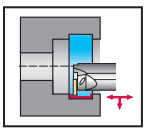
Walter Cut

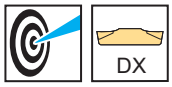




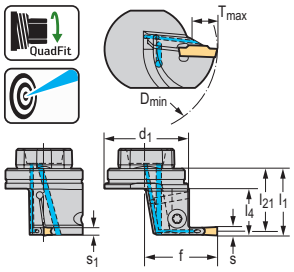
– QuadFit
– For Accure·tec boring bars







Tool

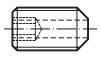
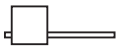


QuadFit

Designation	s mm	s inch	T_{max} mm	D_{min} mm	d_1 mm	f mm	l_4 mm	l_{21} mm	s_1 mm	Type
G4221-Q32R-3T12DX18-P	3	0.118	12	50	32	29.7	22.4	30.5	2.4	DX18-3E3 .. DX18-3F3 ..
G4221-Q40R-3T12DX18-P			12	55	40	33.7	22.4	30.5	2.4	
G4221-Q50R-3T12DX18-P			12	80	50	38.7	22.3	30.5	2.4	
G4221-Q32R-4T12DX18-P	4	0.157	12	50	32	29.7	22.4	30	3.4	DX18-4E4 .. DX18-4F4 ..
G4221-Q40R-4T12DX18-P			12	55	40	33.7	22.4	30	3.4	
G4221-Q50R-4T21DX18-P			21	80	50	47.7	22.3	30	3.4	
G4221-Q32L-3T12DX18-P	3	0.118	12	50	32	29.7	22.4	30.5	2.4	DX18-3E3 .. DX18-3F3 ..
G4221-Q40L-3T12DX18-P			12	55	40	33.7	22.4	30.5	2.4	
G4221-Q50L-3T12DX18-P			12	80	50	38.7	22.3	30.5	2.4	
G4221-Q32L-4T12DX18-P	4	0.157	12	50	32	29.7	22.4	30	3.4	DX18-4E4 .. DX18-4F4 ..
G4221-Q40L-4T12DX18-P			12	55	40	33.7	22.4	30	3.4	
G4221-Q50L-4T21DX18-P			21	80	50	47.7	22.3	30	3.4	

Dimensional drawing shows right-hand version.
$l_1 = l_{21} + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D_{min} [mm]	50–80
	Clamping screw for grooving insert Tightening torque	FS2614 (T20IP) 5 Nm
	Threaded plug	M03X006 ISO 4026
	Torx key	FS1464 (T20IP)

Accessories

	D_{min} [mm]	50–80
	Torque screwdriver. digital	FS2248
	Interchangeable blade	FS2015 (T20IP)
	Torque screwdriver. analogue	FS2003

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Walter GPS



Your navigation system for the best machining solution.

Find the right tool with a click of the mouse.
In just four clicks, Walter GPS takes you from the definition of your target to the most cost-efficient tool and machining solution. Walter GPS is surprisingly comprehensive. Be it holemaking, threading, turning or milling: Full information on all tools from Walter, Walter Titex and Walter Prototyp can be displayed in an instant. Access essential usage data, such as accurate cutting data or precise cost-efficiency calculations, on your screen.

Walter GPS is now also available for smartphones and tablet PCs. This means that you are able to access all the required tool information at any time, wherever you are, even without a PC: In the workshop, at the machine or on the move.



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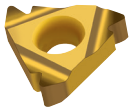
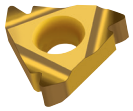
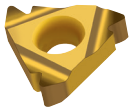
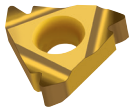
A – Turning

A3: Thread turning		Page
Indexable inserts	Product range overview	
	Indexable inserts	506
	Order pages	
	Indexable inserts	507
Walter NTS threading tools	Product range overview	
	Walter NTS threading tools	515
	Order pages	
	Walter NTS threading tools	517

Indexable inserts

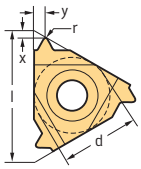
Machining	Internal machining				
Indexable inserts					
Thread type	55° partial profile	60° partial profile	full profile. American UN 60°	full profile. ISO metric 60°	full profile. Whitworth
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●	●	●	●	●
N NF metals	●	●	●	●	●
S Materials with difficult cutting properties					
H Hard materials					
O Other	●	●	●	●	●
Pitch P [mm]	0.5–5.0			0.5–5.0	
Pitch in threads per inch [TPI]	5.0–48.0	8.0–27.0	8.0–32.0	5.08–50.8	8.0–28.0
Page in catalogue	**A 507**	**A 513**	**A 508**		**A 513**
QR code					
www.walter-tools.com/woc/	NTS	NTS	NTS	NTS	NTS

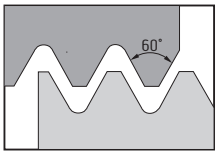
Machining	External machining				
Indexable inserts					
Thread type		full profile, American NPT	full profile, American UN 60°	full profile, ISO metric 60°	full profile, Whitworth
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●	●	●	●	●
N NF metals	●	●	●	●	●
S Materials with difficult cutting properties					
H Hard materials					
O Other	●	●	●	●	●
Pitch P [mm]	0.5–1.5	0.5–5.0		0.5–5.0	
Pitch in threads per inch [TPI]	16.0–48.0	5.0–48.0	8.0–64.0	5.08–50.8	8.0–48.0
Page in catalogue	**A 507**	**A 507**	**A 509**	**A 510**	**A 514**
QR code					
www.walter-tools.com/woc/	NTS	NTS	NTS	NTS	NTS

WALTER SELECT ●● Primary application ● Other application

External thread turning inserts – 60° partial profile

NTS





A3

Indexable inserts

	Designation	Lead (TPI) in	l in	d in	r in	X in	Y in	Pitch (P) mm	l mm	d mm	r mm	X mm	Y mm	P HC WMP32	P HC WXM20	P HC WXP20	M HC WMP32	M HC WXM20
	NTS-EL-16 AG60	48–8	0.630	0.375	0.003	0.047	0.067	0.5–3	16	9.525	0.08	1.2	1.7		☺	☺		☹
	NTS-EL-16 G60	14–8	0.630	0.375	0.011	0.047	0.067	1.75–3	16	9.525	0.27	1.2	1.7			☺		☹
	NTS-EL-22 N60	7–5	0.866	0.500	0.021	0.067	0.098	3.5–5	22	12.7	0.53	1.7	2.5			☺		☹
	NTS-ER-16 AG60	48–8	0.630	0.375	0.003	0.047	0.067	0.5–3	16	9.525	0.08	1.2	1.7		☺	☺		☹
	NTS-ER-16 G60	14–8	0.630	0.375	0.011	0.047	0.067	1.75–3	16	9.525	0.27	1.2	1.7			☺		☹
	NTS-ER-22 N60	7–5	0.866	0.500	0.021	0.067	0.098	3.5–5	22	12.7	0.53	1.7	2.5			☺		☹
	NTS-IL-11 A55	48–16	0.433	0.250	0.002	0.031	0.035	0.5–1.5	11	6.35	0.05	0.8	0.9	☹			☹	
	NTS-IR-11 A55	48–16	0.433	0.250	0.002	0.031	0.035	0.5–1.5	11	6.35	0.05	0.8	0.9	☹			☹	
	NTS-IL-11 A60	48–16	0.433	0.250	0.002	0.031	0.035	0.5–1.5	11	6.35	0.05	0.8	0.9	☹			☹	
	NTS-IL-16 AG60	48–8	0.630	0.375	0.002	0.047	0.067	0.5–3	16	9.525	0.05	1.2	1.7		☺			☹
	NTS-IL-16 G60	14–8	0.630	0.375	0.006	0.047	0.067	1.75–3	16	9.525	0.16	1.2	1.7		☺			☹
	NTS-IL-22 N60	7–5	0.866	0.500	0.021	0.067	0.098	3.5–5	22	12.7	0.53	1.7	2.5		☺			☹
	NTS-IR-11 A60	48–16	0.433	0.250	0.002	0.031	0.035	0.5–1.5	11	6.35	0.05	0.8	0.9	☹			☹	
	NTS-IR-16 AG60	48–8	0.630	0.375	0.002	0.047	0.067	0.5–3	16	9.525	0.05	1.2	1.7		☺	☺		☹
	NTS-IR-16 G60	14–8	0.630	0.375	0.006	0.047	0.067	1.75–3	16	9.525	0.16	1.2	1.7		☺	☺		☹
	NTS-IR-22 N60	7–5	0.866	0.500	0.021	0.067	0.098	3.5–5	22	12.7	0.53	1.7	2.5		☺	☺		☹

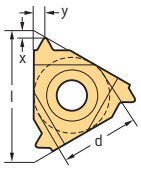
Ordering example for the grade WXM20: NTS-EL-16 AG60 WXM20

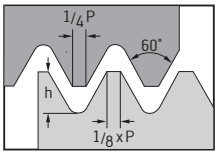
HC = Coated carbide

WALTER SELECT Optimum indexable insert for ➔ Good = ☺ ➔ Average = ☹ ➔ Poor = ☒ machining conditions

External thread turning inserts – full profile, American UN 60°

NTS





A3

Indexable inserts

	Designation	Pitch (TPI) in	l in	d in	h_{min} in	X in	Y in	Lead (TPI) mm	l mm	d mm	h_{min} mm	X mm	Y mm	P HC WXM20	P HC WXP20	M HC WXM20
	NTS-ER-16 008UN	8	0.630	0.375	0.077	0.047	0.063	8	16	9.525	1.95	1.2	1.6	☺		😐
	NTS-ER-16 009UN	9	0.630	0.375	0.068	0.047	0.067	9	16	9.525	1.73	1.2	1.7	☺		😐
	NTS-ER-16 010UN	10	0.630	0.375	0.061	0.043	0.059	10	16	9.525	1.56	1.1	1.5	☺		😐
	NTS-ER-16 011UN	11	0.630	0.375	0.056	0.043	0.059	11	16	9.525	1.42	1.1	1.5	☺		😐
	NTS-ER-16 012UN	12	0.630	0.375	0.051	0.043	0.055	12	16	9.525	1.3	1.1	1.4	☺	☺	😐
	NTS-ER-16 013UN	13	0.630	0.375	0.047	0.039	0.051	13	16	9.525	1.2	1	1.3	☺		😐
	NTS-ER-16 014UN	14	0.630	0.375	0.044	0.039	0.047	14	16	9.525	1.11	1	1.2	☺		😐
	NTS-ER-16 016UN	16	0.630	0.375	0.038	0.035	0.043	16	16	9.525	0.97	0.9	1.1	☺	☺	😐
	NTS-ER-16 018UN	18	0.630	0.375	0.034	0.031	0.039	18	16	9.525	0.87	0.8	1	☺	☺	😐
	NTS-ER-16 020UN	20	0.630	0.375	0.031	0.031	0.035	20	16	9.525	0.78	0.8	0.9	☺		😐
	NTS-ER-16 024UN	24	0.630	0.375	0.026	0.028	0.031	24	16	9.525	0.65	0.7	0.8	☺		😐
	NTS-ER-16 027UN	27	0.630	0.375	0.023	0.028	0.031	27	16	9.525	0.58	0.7	0.8	☺		😐
	NTS-ER-16 028UN	28	0.630	0.375	0.022	0.024	0.028	28	16	9.525	0.56	0.6	0.7	☺		😐
	NTS-ER-16 032UN	32	0.630	0.375	0.019	0.024	0.024	32	16	9.525	0.49	0.6	0.6	☺		😐

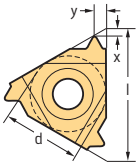
Ordering example for the grade WXM20: NTS-ER-16 008UN WXM20

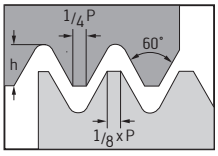
HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Internal thread turning inserts – full profile, American UN 60°

NTS





A3

Indexable inserts

	Designation	Pitch (TPI) in	l in	d in	h_{min} in	X in	Y in	Lead (TPI) mm	l mm	d mm	h_{min} mm	X mm	Y mm	P HC WMP32	P HC WXM20	P HC WXP20	M HC WMP32	M HC WXM20
	NTS-IR-11 11UN	11	0.433	0.250	0.052	0.031	0.043	11	11	6.35	1.33	0.8	1.1	😐			😐	
	NTS-IR-11 12UN	12	0.433	0.250	0.048	0.031	0.043	12	11	6.35	1.22	0.8	1.1	😐			😐	
	NTS-IR-11 14UN	14	0.433	0.250	0.041	0.035	0.043	14	11	6.35	1.05	0.9	1.1	😐			😐	
	NTS-IR-11 16UN	16	0.433	0.250	0.036	0.035	0.043	16	11	6.35	0.92	0.9	1.1	😐			😐	
	NTS-IR-11 18UN	18	0.433	0.250	0.032	0.031	0.039	18	11	6.35	0.81	0.8	1	😐			😐	
	NTS-IR-11 20UN	20	0.433	0.250	0.029	0.031	0.035	20	11	6.35	0.73	0.8	0.9	😐			😐	
	NTS-IR-11 24UN	24	0.433	0.250	0.024	0.028	0.031	24	11	6.35	0.61	0.7	0.8	😐			😐	
	NTS-IR-11 27UN	27	0.433	0.250	0.021	0.028	0.031	27	11	6.35	0.54	0.7	0.8	😐			😐	
	NTS-IR-11 28UN	28	0.433	0.250	0.020	0.024	0.028	28	11	6.35	0.52	0.6	0.7	😐			😐	
	NTS-IR-11 32UN	32	0.433	0.250	0.018	0.024	0.024	32	11	6.35	0.46	0.6	0.6	😐			😐	
	NTS-IR-11 36UN	36	0.433	0.250	0.016	0.024	0.024	36	11	6.35	0.41	0.6	0.6	😐			😐	
	NTS-IR-11 40UN	40	0.433	0.250	0.015	0.024	0.024	40	11	6.35	0.37	0.6	0.6	😐			😐	
	NTS-IR-11 56UN	56	0.433	0.250	0.010	0.028	0.016	56	11	6.35	0.26	0.7	0.4	😐			😐	
	NTS-IR-11 64UN	64	0.433	0.250	0.009	0.031	0.016	64	11	6.35	0.23	0.8	0.4	😐			😐	
	NTS-IR-16 008UN	8	0.630	0.375	0.072	0.043	0.059	8	16	9.525	1.83	1.1	1.5		🙂			😐
	NTS-IR-16 009UN	9	0.630	0.375	0.064	0.047	0.067	9	16	9.525	1.63	1.2	1.7		🙂			😐
	NTS-IR-16 010UN	10	0.630	0.375	0.058	0.043	0.059	10	16	9.525	1.47	1.1	1.5		🙂			😐
	NTS-IR-16 011UN	11	0.630	0.375	0.052	0.043	0.059	11	16	9.525	1.33	1.1	1.5		🙂			😐
	NTS-IR-16 012UN	12	0.630	0.375	0.048	0.043	0.055	12	16	9.525	1.22	1.1	1.4		🙂	🙂		😐
	NTS-IR-16 013UN	13	0.630	0.375	0.044	0.039	0.051	13	16	9.525	1.13	1	1.3		🙂			😐
	NTS-IR-16 014UN	14	0.630	0.375	0.041	0.035	0.047	14	16	9.525	1.05	0.9	1.2		🙂			😐
	NTS-IR-16 016UN	16	0.630	0.375	0.036	0.035	0.043	16	16	9.525	0.92	0.9	1.1		🙂			😐
	NTS-IR-16 018UN	18	0.630	0.375	0.032	0.031	0.039	18	16	9.525	0.81	0.8	1		🙂			😐
	NTS-IR-16 020UN	20	0.630	0.375	0.029	0.031	0.035	20	16	9.525	0.73	0.8	0.9		🙂			😐

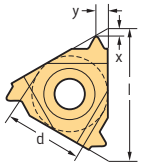
Ordering example for the grade WMP32: NTS-IR-11 11UN WMP32

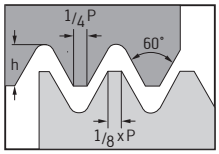
HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = 😀 → Average = 😐 → Poor = ☹ machining conditions

Internal thread turning inserts – full profile, ISO metric 60°

NTS





A3

Indexable inserts

	Designation	Pitch (P) mm	l in	d in	h_{min} in	X in	Y in	Pitch (P) mm	l mm	d mm	h_{min} mm	X mm	Y mm	P HC WMP32	P HC WXM20	P HC WXP20	M HC WMP32	M HC WXM20
	NTS-IL-11 0.75ISO	0.75	0.433	0.250	0.017	0.024	0.024	0.75	11	6.35	0.43	0.6	0.6	😐			😐	
	NTS-IL-11 0.80ISO	0.8	0.433	0.250	0.018	0.024	0.024	0.8	11	6.35	0.46	0.6	0.6	😐			😐	
	NTS-IL-11 1.00ISO	1	0.433	0.250	0.023	0.024	0.028	1	11	6.35	0.58	0.6	0.7	😐			😐	
	NTS-IL-11 1.25ISO	1.25	0.433	0.250	0.028	0.031	0.035	1.25	11	6.35	0.72	0.8	0.9	😐			😐	
	NTS-IL-11 1.50ISO	1.5	0.433	0.250	0.034	0.031	0.039	1.5	11	6.35	0.87	0.8	1	😐			😐	
	NTS-IL-11 1.75ISO	1.75	0.433	0.250	0.040	0.035	0.043	1.75	11	6.35	1.01	0.9	1.1	😐			😐	
	NTS-IL-11 2.00ISO	2	0.433	0.250	0.045	0.035	0.043	2	11	6.35	1.15	0.9	1.1	😐			😐	
	NTS-IL-11 2.50ISO	2.5	0.433	0.250	0.057	0.031	0.043	2.5	11	6.35	1.44	0.8	1.1	😐			😐	
	NTS-IL-16 0.50ISO	0.5	0.630	0.375	0.011	0.024	0.016	0.5	16	9.525	0.29	0.6	0.4		😊			😊
	NTS-IL-16 0.60ISO	0.6	0.630	0.375	0.014	0.024	0.024	0.6	16	9.525	0.35	0.6	0.6		😊			😊
	NTS-IL-16 0.70ISO	0.7	0.630	0.375	0.016	0.024	0.024	0.7	16	9.525	0.4	0.6	0.6		😊			😊
	NTS-IL-16 0.75ISO	0.75	0.630	0.375	0.017	0.024	0.024	0.75	16	9.525	0.43	0.6	0.6		😊	😊		😊
	NTS-IL-16 0.80ISO	0.8	0.630	0.375	0.018	0.024	0.024	0.8	16	9.525	0.46	0.6	0.6		😊	😊		😊
	NTS-IL-16 1.00ISO	1	0.630	0.375	0.023	0.024	0.028	1	16	9.525	0.58	0.6	0.7		😊	😊		😊
	NTS-IL-16 1.25ISO	1.25	0.630	0.375	0.028	0.031	0.035	1.25	16	9.525	0.72	0.8	0.9		😊			😊
	NTS-IL-16 1.50ISO	1.5	0.630	0.375	0.034	0.031	0.039	1.5	16	9.525	0.87	0.8	1		😊	😊		😊
	NTS-IL-16 1.75ISO	1.75	0.630	0.375	0.040	0.035	0.047	1.75	16	9.525	1.01	0.9	1.2		😊	😊		😊
	NTS-IL-16 2.00ISO	2	0.630	0.375	0.045	0.039	0.051	2	16	9.525	1.15	1	1.3		😊	😊		😊
	NTS-IL-16 2.50ISO	2.5	0.630	0.375	0.057	0.043	0.059	2.5	16	9.525	1.44	1.1	1.5		😊	😊		😊
	NTS-IL-16 3.00ISO	3	0.630	0.375	0.068	0.043	0.059	3	16	9.525	1.73	1.1	1.5		😊	😊		😊
	NTS-IL-22 3.50ISO	3.5	0.866	0.500	0.080	0.063	0.091	3.5	22	12.7	2.02	1.6	2.3		😊			😊
	NTS-IL-22 4.00ISO	4	0.866	0.500	0.091	0.063	0.091	4	22	12.7	2.31	1.6	2.3		😊			😊
	NTS-IL-22 4.50ISO	4.5	0.866	0.500	0.102	0.063	0.094	4.5	22	12.7	2.6	1.6	2.4		😊			😊
	NTS-IL-22 5.00ISO	5	0.866	0.500	0.114	0.063	0.091	5	22	12.7	2.89	1.6	2.3		😊			😊
	NTS-IR-11 0.75ISO	0.75	0.433	0.250	0.017	0.024	0.024	0.75	11	6.35	0.43	0.6	0.6	😐			😐	
	NTS-IR-11 0.80ISO	0.8	0.433	0.250	0.018	0.024	0.024	0.8	11	6.35	0.46	0.6	0.6	😐			😐	
	NTS-IR-11 1.00ISO	1	0.433	0.250	0.023	0.024	0.028	1	11	6.35	0.58	0.6	0.7	😐			😐	
	NTS-IR-11 1.25ISO	1.25	0.433	0.250	0.028	0.031	0.035	1.25	11	6.35	0.72	0.8	0.9	😐			😐	
	NTS-IR-11 1.50ISO	1.5	0.433	0.250	0.034	0.031	0.039	1.5	11	6.35	0.87	0.8	1	😐			😐	
	NTS-IR-11 1.75ISO	1.75	0.433	0.250	0.040	0.035	0.043	1.75	11	6.35	1.01	0.9	1.1	😐			😐	
	NTS-IR-11 2.00ISO	2	0.433	0.250	0.045	0.035	0.043	2	11	6.35	1.15	0.9	1.1	😐			😐	
	NTS-IR-11 2.50ISO	2.5	0.433	0.250	0.057	0.031	0.043	2.5	11	6.35	1.44	0.8	1.1	😐			😐	
	NTS-IR-16 0.50ISO	0.5	0.630	0.375	0.011	0.024	0.016	0.5	16	9.525	0.29	0.6	0.4		😊	😊		😊
	NTS-IR-16 0.60ISO	0.6	0.630	0.375	0.014	0.024	0.024	0.6	16	9.525	0.35	0.6	0.6		😊			😊
	NTS-IR-16 0.70ISO	0.7	0.630	0.375	0.016	0.024	0.024	0.7	16	9.525	0.4	0.6	0.6		😊			😊
	NTS-IR-16 0.75ISO	0.75	0.630	0.375	0.017	0.024	0.024	0.75	16	9.525	0.43	0.6	0.6		😊	😊		😊
	NTS-IR-16 0.80ISO	0.8	0.630	0.375	0.018	0.024	0.024	0.8	16	9.525	0.46	0.6	0.6		😊	😊		😊
	NTS-IR-16 1.00ISO	1	0.630	0.375	0.023	0.024	0.028	1	16	9.525	0.58	0.6	0.7		😊	😊		😊
	NTS-IR-16 1.25ISO	1.25	0.630	0.375	0.028	0.031	0.035	1.25	16	9.525	0.72	0.8	0.9		😊	😊		😊
	NTS-IR-16 1.50ISO	1.5	0.630	0.375	0.034	0.031	0.039	1.5	16	9.525	0.87	0.8	1		😊	😊		😊
	NTS-IR-16 1.75ISO	1.75	0.630	0.375	0.040	0.035	0.047	1.75	16	9.525	1.01	0.9	1.2		😊	😊		😊
	NTS-IR-16 2.00ISO	2	0.630	0.375	0.045	0.039	0.051	2	16	9.525	1.15	1	1.3		😊	😊		😊
	NTS-IR-16 2.50ISO	2.5	0.630	0.375	0.057	0.043	0.059	2.5	16	9.525	1.44	1.1	1.5		😊	😊		😊

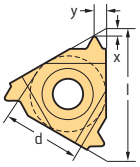
Ordering example for the grade WMP32: NTS-IL-11 0.75ISO WMP32

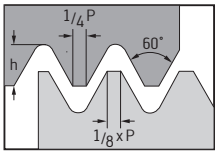
HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Internal thread turning inserts – full profile, ISO metric 60°

NTS





A3

Indexable inserts

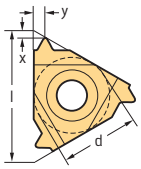
	Designation	Pitch (P) mm	l in	d in	h_{min} in	X in	Y in	Pitch (P) mm	l mm	d mm	h_{min} mm	X mm	Y mm	P HC WMP32	P HC WXM20	P HC WXP20	M HC WMP32	M HC WXM20
	NTS-IR-16 3.00ISO	3	0.630	0.375	0.068	0.043	0.059	3	16	9.525	1.73	1.1	1.5		☺	☺		☺
	NTS-IR-22 3.50ISO	3.5	0.866	0.500	0.080	0.063	0.091	3.5	22	12.7	2.02	1.6	2.3		☺	☺		☺
	NTS-IR-22 4.00ISO	4	0.866	0.500	0.091	0.063	0.091	4	22	12.7	2.31	1.6	2.3		☺	☺		☺
	NTS-IR-22 4.50ISO	4.5	0.866	0.500	0.102	0.063	0.094	4.5	22	12.7	2.6	1.6	2.4		☺	☺		☺
	NTS-IR-22 5.00ISO	5	0.866	0.500	0.114	0.063	0.094	5	22	12.7	2.89	1.6	2.4		☺	☺		☺

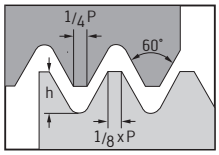
Ordering example for the grade WMP32: NTS-IL-11 0.75ISO WMP32

HC = Coated carbide

External thread turning inserts – full profile, ISO metric 60°

NTS





A3

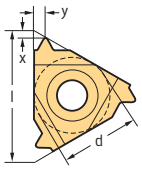
Indexable inserts

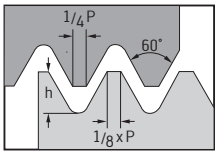
	Designation	Pitch (P) mm	l in	d in	h_{min} in	X in	Y in	Pitch (P) mm	l mm	d mm	h_{min} mm	X mm	Y mm	P HC WXM20	P HC WXP20	M HC WXM20
	NTS-EL-16 0.50ISO	0.5	0.630	0.375	0.012	0.024	0.016	0.5	16	9.525	0.31	0.6	0.4	●		●
	NTS-EL-16 0.60ISO	0.6	0.630	0.375	0.015	0.024	0.024	0.6	16	9.525	0.37	0.6	0.6	●		●
	NTS-EL-16 0.70ISO	0.7	0.630	0.375	0.017	0.024	0.024	0.7	16	9.525	0.43	0.6	0.6	●		●
	NTS-EL-16 0.75ISO	0.75	0.630	0.375	0.018	0.024	0.024	0.75	16	9.525	0.46	0.6	0.6	●	●	●
	NTS-EL-16 0.80ISO	0.8	0.630	0.375	0.019	0.024	0.024	0.8	16	9.525	0.49	0.6	0.6	●	●	●
	NTS-EL-16 1.00ISO	1	0.630	0.375	0.024	0.028	0.028	1	16	9.525	0.61	0.7	0.7	●	●	●
	NTS-EL-16 1.25ISO	1.25	0.630	0.375	0.030	0.031	0.035	1.25	16	9.525	0.77	0.8	0.9	●	●	●
	NTS-EL-16 1.50ISO	1.5	0.630	0.375	0.036	0.031	0.039	1.5	16	9.525	0.92	0.8	1	●	●	●
	NTS-EL-16 1.75ISO	1.75	0.630	0.375	0.042	0.035	0.047	1.75	16	9.525	1.07	0.9	1.2	●	●	●
	NTS-EL-16 2.00ISO	2	0.630	0.375	0.048	0.039	0.051	2	16	9.525	1.23	1	1.3	●	●	●
	NTS-EL-16 2.50ISO	2.5	0.630	0.375	0.060	0.043	0.059	2.5	16	9.525	1.53	1.1	1.5	●	●	●
	NTS-EL-16 3.00ISO	3	0.630	0.375	0.072	0.047	0.063	3	16	9.525	1.84	1.2	1.6	●	●	●
	NTS-EL-22 3.50ISO	3.5	0.866	0.500	0.085	0.087	0.091	3.5	22	12.7	2.15	2.2	2.3	●		●
	NTS-EL-22 4.50ISO	4.5	0.866	0.500	0.109	0.110	0.094	4.5	22	12.7	2.76	2.8	2.4	●		●
	NTS-EL-22 5.00ISO	5	0.866	0.500	0.121	0.122	0.098	5	22	12.7	3.07	3.1	2.5	●		●
	NTS-ER-16 0.50ISO	0.5	0.630	0.375	0.012	0.024	0.016	0.5	16	9.525	0.31	0.6	0.4	●	●	●
	NTS-ER-16 0.60ISO	0.6	0.630	0.375	0.015	0.024	0.024	0.6	16	9.525	0.37	0.6	0.6	●		●
	NTS-ER-16 0.70ISO	0.7	0.630	0.375	0.017	0.024	0.024	0.7	16	9.525	0.43	0.6	0.6	●	●	●
	NTS-ER-16 0.75ISO	0.75	0.630	0.375	0.018	0.024	0.024	0.75	16	9.525	0.46	0.6	0.6	●	●	●
	NTS-ER-16 0.80ISO	0.8	0.630	0.375	0.019	0.024	0.024	0.8	16	9.525	0.49	0.6	0.6	●	●	●
	NTS-ER-16 1.00ISO	1	0.630	0.375	0.024	0.028	0.028	1	16	9.525	0.61	0.7	0.7	●	●	●
	NTS-ER-16 1.25ISO	1.25	0.630	0.375	0.030	0.031	0.035	1.25	16	9.525	0.77	0.8	0.9	●	●	●
	NTS-ER-16 1.50ISO	1.5	0.630	0.375	0.036	0.031	0.039	1.5	16	9.525	0.92	0.8	1	●	●	●
	NTS-ER-16 1.75ISO	1.75	0.630	0.375	0.042	0.035	0.047	1.75	16	9.525	1.07	0.9	1.2	●	●	●
	NTS-ER-16 2.00ISO	2	0.630	0.375	0.048	0.039	0.051	2	16	9.525	1.23	1	1.3	●	●	●
	NTS-ER-16 2.50ISO	2.5	0.630	0.375	0.060	0.043	0.059	2.5	16	9.525	1.53	1.1	1.5	●	●	●
	NTS-ER-16 3.00ISO	3	0.630	0.375	0.072	0.047	0.063	3	16	9.525	1.84	1.2	1.6	●	●	●
	NTS-ER-22 3.50ISO	3.5	0.866	0.500	0.085	0.063	0.091	3.5	22	12.7	2.15	1.6	2.3	●	●	●
	NTS-ER-22 4.00ISO	4	0.866	0.500	0.096	0.063	0.091	4	22	12.7	2.45	1.6	2.3	●	●	●
	NTS-ER-22 4.50ISO	4.5	0.866	0.500	0.109	0.067	0.094	4.5	22	12.7	2.76	1.7	2.4	●	●	●
	NTS-ER-22 5.00ISO	5	0.866	0.500	0.121	0.067	0.098	5	22	12.7	3.07	1.7	2.5	●	●	●

HC = Coated carbide

External thread turning inserts – full profile, American NPT

NTS





A3

Indexable inserts

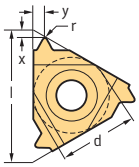
	Designation	Pitch (TPI) in	l in	d in	h_{min} in	X in	Y in	Lead (TPI) mm	l mm	d mm	h_{min} mm	X mm	Y mm	P HC WXM20	M HC WXM20
	NTS-ER-16 08NPT	8	0.630	0.375	0.095	0.051	0.071	8	16	9.525	2.42	1.3	1.8	☺	☺
	NTS-ER-16 11.5NPT	11.5	0.630	0.375	0.065	0.043	0.059	11.5	16	9.525	1.64	1.1	1.5	☺	☺
	NTS-ER-16 14NPT	14	0.630	0.375	0.052	0.035	0.047	14	16	9.525	1.33	0.9	1.2	☺	☺
	NTS-ER-16 18NPT	18	0.630	0.375	0.040	0.031	0.039	18	16	9.525	1.01	0.8	1	☺	☺
	NTS-ER-16 27NPT	27	0.630	0.375	0.026	0.028	0.031	27	16	9.525	0.66	0.7	0.8	☺	☺

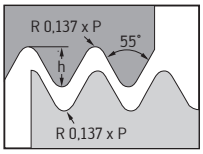
Ordering example for the grade WXM20: NTS-ER-16 08NPT WXM20

HC = Coated carbide

External thread turning inserts – full profile, Whitworth

NTS





Indexable inserts

	Designation	Pitch (TPI) in	l in	d in	h_{min} in	X in	Y in	Lead (TPI) mm	l mm	d mm	h_{min} mm	X mm	Y mm	P HC WXM20	P HC WXP20	M HC WXM20
	NTS-ER-16 008W	8	0.630	0.375	0.080	0.047	0.059	8	16	9.525	2.03	1.2	1.5	☺		☺
	NTS-ER-16 009W	9	0.630	0.375	0.071	0.047	0.067	9	16	9.525	1.81	1.2	1.7	☺		☺
	NTS-ER-16 010W	10	0.630	0.375	0.064	0.043	0.059	10	16	9.525	1.63	1.1	1.5	☺		☺
	NTS-ER-16 011W	11	0.630	0.375	0.058	0.043	0.059	11	16	9.525	1.48	1.1	1.5	☺	☺	☺
	NTS-ER-16 012W	12	0.630	0.375	0.054	0.043	0.055	12	16	9.525	1.36	1.1	1.4	☺		☺
	NTS-ER-16 014W	14	0.630	0.375	0.046	0.039	0.047	14	16	9.525	1.16	1	1.2	☺	☺	☺
	NTS-ER-16 016W	16	0.630	0.375	0.040	0.035	0.043	16	16	9.525	1.02	0.9	1.1	☺		☺
	NTS-ER-16 018W	18	0.630	0.375	0.035	0.031	0.039	18	16	9.525	0.9	0.8	1	☺		☺
	NTS-ER-16 019W	19	0.630	0.375	0.034	0.031	0.039	19	16	9.525	0.86	0.8	1	☺	☺	☺
	NTS-ER-16 020W	20	0.630	0.375	0.032	0.031	0.035	20	16	9.525	0.81	0.8	0.9	☺		☺
	NTS-ER-16 022W	22	0.630	0.375	0.029	0.031	0.035	22	16	9.525	0.74	0.8	0.9	☺		☺
	NTS-ER-16 024W	24	0.630	0.375	0.027	0.028	0.031	24	16	9.525	0.68	0.7	0.8	☺		☺
	NTS-ER-16 026W	26	0.630	0.375	0.025	0.028	0.031	26	16	9.525	0.63	0.7	0.8	☺		☺
	NTS-ER-16 028W	28	0.630	0.375	0.023	0.024	0.028	28	16	9.525	0.58	0.6	0.7			☺

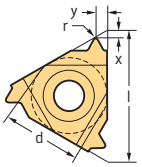
Ordering example for the grade WXM20: NTS-ER-16 008W WXM20

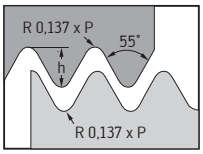
HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Internal thread turning inserts – full profile, Whitworth

NTS





A3

Indexable inserts

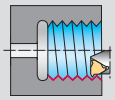
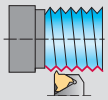
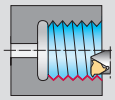
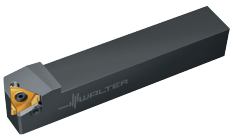
	Designation	Pitch (TPI) in	l in	d in	h_{min} in	X in	Y in	Lead (TPI) mm	l mm	d mm	h_{min} mm	X mm	Y mm	P HC WMP32	P HC WXM20	P HC WXP20	M HC WMP32	M HC WXM20
	NTS-IR-11 12W	12	0.433	0.250	0.052	0.035	0.047	12	11	6.35	1.32	0.9	1.2	😐			😐	
	NTS-IR-11 14W	14	0.433	0.250	0.046	0.035	0.043	14	11	6.35	1.16	0.9	1.1	😐			😐	
	NTS-IR-11 16W	16	0.433	0.250	0.040	0.035	0.043	16	11	6.35	1.02	0.9	1.1	😐			😐	
	NTS-IR-11 18W	18	0.433	0.250	0.035	0.031	0.039	18	11	6.35	0.9	0.8	1	😐			😐	
	NTS-IR-11 19W	19	0.433	0.250	0.034	0.031	0.039	19	11	6.35	0.86	0.8	1	😐			😐	
	NTS-IR-11 20W	20	0.433	0.250	0.032	0.031	0.035	20	11	6.35	0.81	0.8	0.9	😐			😐	
	NTS-IR-11 22W	22	0.433	0.250	0.029	0.031	0.035	22	11	6.35	0.74	0.8	0.9	😐			😐	
	NTS-IR-11 24W	24	0.433	0.250	0.027	0.028	0.031	24	11	6.35	0.68	0.7	0.8	😐			😐	
	NTS-IR-11 26W	26	0.433	0.250	0.025	0.028	0.031	26	11	6.35	0.63	0.7	0.8	😐			😐	
	NTS-IR-11 32W	32	0.433	0.250	0.020	0.024	0.024	32	11	6.35	0.51	0.6	0.6	😐			😐	
	NTS-IR-11 36W	36	0.433	0.250	0.018	0.024	0.024	36	11	6.35	0.45	0.6	0.6	😐			😐	
	NTS-IR-11 48W	48	0.433	0.250	0.013	0.024	0.024	48	11	6.35	0.34	0.6	0.6	😐			😐	
	NTS-IR-16 008W	8	0.630	0.375	0.080	0.047	0.059	8	16	9.525	2.03	1.2	1.5		🙂			😐
	NTS-IR-16 009W	9	0.630	0.375	0.071	0.047	0.067	9	16	9.525	1.81	1.2	1.7		🙂			😐
	NTS-IR-16 010W	10	0.630	0.375	0.064	0.043	0.059	10	16	9.525	1.63	1.1	1.5		🙂			😐
	NTS-IR-16 011W	11	0.630	0.375	0.058	0.043	0.059	11	16	9.525	1.48	1.1	1.5			🙂		😐
	NTS-IR-16 012W	12	0.630	0.375	0.054	0.043	0.055	12	16	9.525	1.36	1.1	1.4					😐
	NTS-IR-16 014W	14	0.630	0.375	0.046	0.039	0.047	14	16	9.525	1.16	1	1.2			🙂		😐
	NTS-IR-16 016W	16	0.630	0.375	0.040	0.035	0.043	16	16	9.525	1.02	0.9	1.1					😐
	NTS-IR-16 018W	18	0.630	0.375	0.035	0.031	0.039	18	16	9.525	0.9	0.8	1					😐
	NTS-IR-16 019W	19	0.630	0.375	0.034	0.031	0.039	19	16	9.525	0.86	0.8	1					😐

Ordering example for the grade WMP32: NTS-IR-11 12W WMP32

HC = Coated carbide

WALTER SELECT Optimum indexable insert for → Good = 🙂 → Average = 😐 → Poor = ☹ machining conditions

Walter NTS threading tools

Type			
Machining			
				
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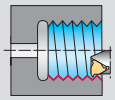
Version	M_CYLF3	M_VKT01	M_CCS01	M_CCS01
Clamping system	**CLP_SCWCP1**	**CLP_SCWCP1**	**CLP_SCWCP1**	**CLP_SCWCP1**
Coolant supply	External	External	axial	axial
Shank size [mm]	**16–40**	**12–40**	**C3–C6**	**40–63**
Shank size [in]	0.625–1.500	0.500–1.500		
Insert size l in [mm]	0.630–0.866 [16–22]	0.630–0.866 [16–22]	0.630–0.866 [16–22]	0.630–0.866 [16–22]
Page in catalog	A 520	A 517	A 519	A 523
QR code				
www.walter-tools.com/woc/	S-NTS-I	NTS-SE	C-NTS-SE	C-NTS-SI

Walter NTS threading tools

Type		
Machining		
		
Designation	**A...-NTS-I**	**T1820-Q...-P**
Version	M_CYLF3	M_SGL01
Clamping system	**CLP_SCWCP1**	**CLP_LVICP**
Coolant supply	axial	Precision cooling
Shank size [mm]	**20**	**25–50**
Shank size [in]		
Insert size l in [mm]	0.433–0.630 [11–16]	
Page in catalog	A 520	A 524
QR code		
www.walter-tools.com/woc/	A-NTS-I	T1820-Q-P

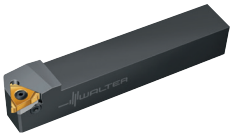
WALTER SELECT

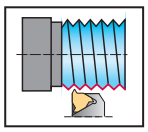
●● Primary application ● Other application

Shank tool – External thread

NTS-SE mm

Walter NTS

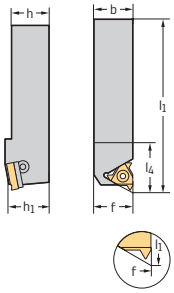






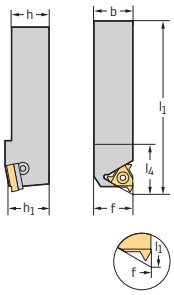
Tool

Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	Type
NTS-SEL1212-16	16	12	12	16	83.2	22	NTS-E . -16 ..
NTS-SEL1616-16	16	16	16	16	100	22	
NTS-SEL2020-16	16	20	20	20	128.6	30	
NTS-SEL2525-16	16	25	25	25	153.6	30	
NTS-SEL3232-16	16	32	32	32	173.6	34	
NTS-SER1212-16	16	12	12	16	83.2	22	
NTS-SER1616-16	16	16	16	16	100	22	
NTS-SER2020-16	16	20	20	20	128.6	30	
NTS-SER2525-16	16	25	25	25	153.6	30	
NTS-SER3232-16	16	32	32	32	173.6	34	



Square shank

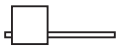
Designation		h = h_1 mm	b mm	f mm	l_1 mm	l_4 mm	Type
NTS-SEL2525-22	22	25	25	25	155.7	36	NTS-E . -22 ..
NTS-SEL3232-22	22	32	32	32	175.7	36	
NTS-SEL4040-22	22	40	40	40	205.7	36	
NTS-SER2525-22	22	25	25	25	155.7	36	
NTS-SER3232-22	22	32	32	32	175.7	36	
NTS-SER4040-22	22	40	40	40	205.7	36	



Square shank

The toolholders listed are designed for an inclination angle of 1.5°
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	NTS-E . -16 ..	NTS-E . -22 ..
	Left shim		YI4
	Clamping screw for threading insert Tightening torque	FS2177 (T10) 1.7 Nm	FS2178 (T20) 3.8 Nm
	Clamping screw + washer for shim		FS2180 (T20)
	Torx key	FS1050 (T10)	FS256 (T20)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

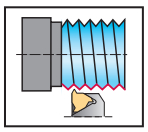
Shank tool – External thread

NTS-SE inch

Walter NTS



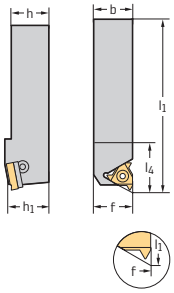
A3





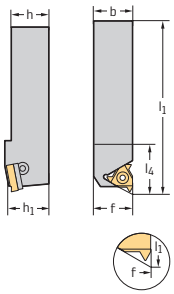
Tool

Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	Type
NTS-SEL0808-3	16	0.500	0.500	0.630	3.250	0.870	NTS-E . -16 ..
NTS-SEL1010-3	16	0.625	0.625	0.630	5.000	1.200	
NTS-SEL1212-3	16	0.750	0.750	0.754	5.000	1.200	
NTS-SEL1616-3	16	1.000	1.000	1.000	6.000	1.200	
NTS-SEL2020-3	16	1.250	1.250	1.250	7.000	1.180	
NTS-SER0808-3	16	0.500	0.500	0.630	3.250	0.870	
NTS-SER1010-3	16	0.625	0.625	0.630	5.000	1.200	
NTS-SER1212-3	16	0.750	0.750	0.754	5.000	1.200	
NTS-SER1616-3	16	1.000	1.000	1.000	6.000	1.200	
NTS-SER2020-3	16	1.250	1.250	1.250	7.000	1.180	



Square shank

Designation		h = h_1 inch	b inch	f inch	l_1 inch	l_4 inch	Type
NTS-SEL1616-4	22	1.000	1.000	1.000	6.000	1.184	NTS-E . -22 ..
NTS-SEL2020-4	22	1.250	1.250	1.250	7.000	1.184	
NTS-SEL2424-4	22	1.500	1.500	1.500	8.000	1.184	
NTS-SER1616-4	22	1.000	1.000	1.000	6.000	1.184	
NTS-SER2020-4	22	1.250	1.250	1.250	7.000	1.184	
NTS-SER2424-4	22	1.500	1.500	1.500	8.000	1.184	



Square shank

The toolholders listed are designed for an inclination angle of 1.5°
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	NTS-E . -16 ..	NTS-E . -22 ..
	Left shim	YI3	YI4
	Clamping screw for threading insert Tightening torque	FS2177 (T10) 15 in lbs	FS2178 (T20) 34 in lbs
	Clamping screw + washer for shim	FS2179 (T10)	FS2180 (T20)
	Torx key	FS1050 (T10)	FS256 (T20)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

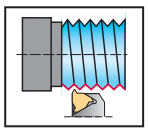
Turning tools – External thread

C...-NTS-SE mm

Walter NTS

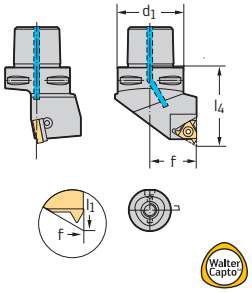
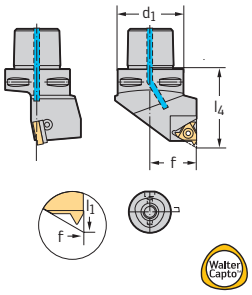


– Standard position
– TM



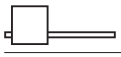


Tool

	Designation		d_1	f mm	l_4 mm	Type
 Walter Capto™ in acc. with ISO 26623	C3-NTS-SEL22040-16	16	C3	22	40	NTS-E . -16 ..
	C3-NTS-SER22040-16	16	C3	22	40	
	C4-NTS-SEL27050-16	16	C4	27	50	
	C4-NTS-SER27050-16	16	C4	27	50	
	C5-NTS-SEL35060-16	16	C5	35	60	
	C5-NTS-SER35060-16	16	C5	35	60	
	C6-NTS-SEL45065-16	16	C6	45	65	
	C6-NTS-SER45065-16	16	C6	45	65	
 Walter Capto™ in acc. with ISO 26623	C4-NTS-SEL27050-22	22	C4	27	50	NTS-E . -22 ..
	C4-NTS-SER27050-22	22	C4	27	50	
	C5-NTS-SEL35060-22	22	C5	35	60	
	C5-NTS-SER35060-22	22	C5	35	60	
	C6-NTS-SEL45065-22	22	C6	45	65	
	C6-NTS-SER45065-22	22	C6	45	65	

The toolholders listed are designed for an inclination angle of 1.5°
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	NTS-E . -16 ..	NTS-E . -22 ..
	Left shim	YI3	YI4
	Clamping screw for threading insert Tightening torque	FS2177 (T10) 1.7 Nm	FS2178 (T20) 3.8 Nm
	Clamping screw + washer for shim	FS2179 (T10)	FS2180 (T20)
	Torx key	FS1050 (T10)	FS256 (T20)
	C3 cooling lubricant nozzle	FS1230	
	C4 cooling lubricant nozzle		FS1018

WALTER SELECT

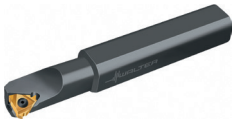
●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

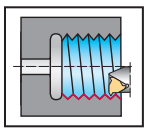
Boring bar – Internal thread

A...-NTS-I / S...-NTS-I mm

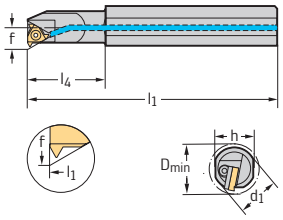
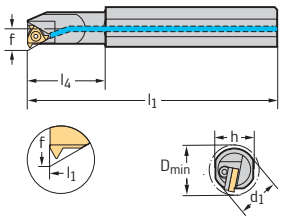
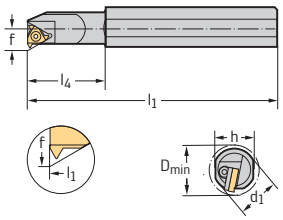
Walter NTS



A3





Tool	Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	l_4 mm	β	Type
 Parallel shank with clamping surface	A20Q-NTS-IL11-12	11	12	20	7.3	18	180	25	3°	NTS-I . -11 ..
	A20Q-NTS-IL11-13	11	13	20	7.4	18	180	25	1.5°	
	A20Q-NTS-IL11-16	11	16	20	8.9	18	180	32	1.5°	
	A20Q-NTS-IR11-12	11	12	20	7.3	18	180	25	3°	
	A20Q-NTS-IR11-13	11	13	20	7.4	18	180	25	1.5°	
	A20Q-NTS-IR11-16	11	16	20	8.9	18	180	32	1.5°	
 Parallel shank with clamping surface	A20Q-NTS-IL16-16	16	16	20	10.2	18	180	32	2.5°	NTS-I . -16 ..
	A20Q-NTS-IR16-16	16	16	20	10.2	18	180	34	2.5°	
 Parallel shank with clamping surface	S16M-NTS-IL16-20	16	20	16	11.3	15.2	150	32	1.5°	NTS-I . -16 ..
	S16M-NTS-IR16-20	16	20	16	11.3	15.2	150	32	1.5°	
	S20Q-NTS-IL16-17	16	17	20	10.3	18	180	32	1.5°	
	S20Q-NTS-IL16-20	16	20	20	11.5	18	180	40	1.5°	
	S20Q-NTS-IL16-24	16	24	20	13.4	18	180	40	1.5°	
	S20Q-NTS-IR16-17	16	17	20	10.3	18	180	32	1.5°	
	S20Q-NTS-IR16-20	16	20	20	11.5	18	180	40	1.5°	
	S20Q-NTS-IR16-24	16	24	20	13.4	18	180	40	1.5°	
	S25R-NTS-IL16-29	16	29	25	16.1	22.6	200	45	1.5°	
	S25R-NTS-IR16-29	16	29	25	16.1	22.6	200	45	1.5°	
	S32S-NTS-IL16-29	16	29	32	16.3	29	250	60	1.5°	
	S32S-NTS-IL16-36	16	36	32	19.6	29	250	60	1.5°	
	S32S-NTS-IR16-29	16	29	32	16.3	29	250	60	1.5°	
	S32S-NTS-IR16-36	16	36	32	19.6	29	250	60	1.5°	
	S40T-NTS-IL16-44	16	44	40	23.8	25.8	300	60	1.5°	
	S40T-NTS-IR16-44	16	44	40	23.8	25.8	300	60	1.5°	

Bodies and assembly parts are included in the scope of delivery

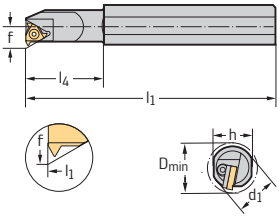
WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = → Average = → Poor = machining conditions

Tool

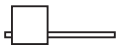
Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	l_4 mm	β	Type
S20Q-NTS-IL22-27	22	27	20	15.6	18	180	50	1.5°	NTS-I . -22 ..
S20Q-NTS-IR22-27	22	27	20	15.6	18	180	50	1.5°	
S25R-NTS-IL22-32	22	32	25	17.2	22.6	200	45	1.5°	
S25R-NTS-IR22-32	22	32	25	17.2	22.6	200	45	1.5°	
S32S-NTS-IL22-32	22	32	32	17.4	29	250	60	1.5°	
S32S-NTS-IL22-39	22	39	32	21.5	29	250	60	1.5°	
S32S-NTS-IR22-32	22	32	32	17.4	29	250	60	1.5°	
S32S-NTS-IR22-39	22	39	32	21.5	29	250	60	1.5°	
S40T-NTS-IL22-47	22	47	40	25.8	32	300	60	1.5°	
S40T-NTS-IR22-47	22	47	40	25.8	32	300	60	1.5°	



Parallel shank with clamping surface

Bodies and assembly parts are included in the scope of delivery

Assembly parts

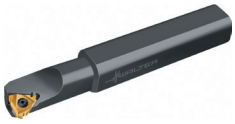
	Type D_{min} [mm]	NTS-I . -11 .. 12–16	NTS-I . -16 .. 16–20	NTS-I . -16 .. 24–44	NTS-I . -22 .. 27	NTS-I . -22 .. 32–47
	Right shim			YE3		YE4
	Clamping screw for threading insert Tightening torque	FS2174 (T8) 0.9 Nm	FS2175 (T10) 1.7 Nm	FS2177 (T10) 1.7 Nm	FS2176 (T20) 3.8 Nm	FS2178 (T20) 3.8 Nm
	Clamping screw + washer for shim			FS2179 (T10)		FS2180 (T20)
	Torx key	FS257 (T8)	FS1050 (T10)	FS1050 (T10)	FS256 (T20)	FS256 (T20)

A3

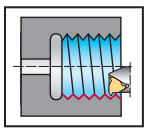
Boring bar – Internal thread

S...-NTS-I inch

Walter NTS

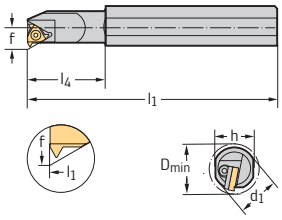
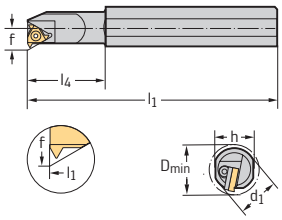


A3



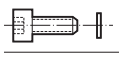
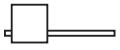
NTS-I..

Tool

	Designation		D_{min} inch	d_1 inch	f inch	h inch	l_1 inch	l_4 inch	β	Type
 Parallel shank with clamping surface	S10M-NTSIL16-51	16	0.800	0.625	0.460	0.580	6.000	1.250	1.5°	NTS-I . -16 ..
	S10M-NTSIR16-51	16	0.800	0.625	0.460	0.580	6.000	1.250	1.5°	
	S12Q-NTSIL16-46	16	0.800	0.750	0.460	0.670	7.000	1.500	1.5°	
	S12Q-NTSIR16-40	16	0.670	0.750	0.400	0.670	7.000	1.250	1.5°	
	S12Q-NTSIR16-46	16	0.800	0.750	0.460	0.670	7.000	1.500	1.5°	
	S12Q-NTSIR16-51	16	0.900	0.750	0.510	0.670	7.000	1.500	1.5°	
	S16R-NTSIL16-65	16	1.200	1.000	0.650	0.900	8.000	1.750	1.5°	
	S16R-NTSIR16-65	16	1.200	1.000	0.650	0.900	8.000	1.750	1.5°	
	S20S-NTSIL16-65	16	1.200	1.250	0.650	1.120	10.000	2.500	1.5°	
	S20S-NTSIR16-65	16	1.200	1.250	0.650	1.120	10.000	2.500	1.5°	
	S20S-NTSIR16-77	16	1.450	1.250	0.770	1.120	10.000	2.500	1.5°	
	S24T-NTSIR16-90	16	1.650	1.500	0.900	1.340	12.000	2.500	1.5°	
 Parallel shank with clamping surface	S12Q-NTSIR22-59	22	1.000	0.750	0.590	0.670	7.000	2.000	1.5°	NTS-I . -22 ..
	S16R-NTSIR22-71	22	1.250	1.000	0.710	0.900	8.000	1.750	1.5°	
	S20S-NTSIR22-85	22	1.500	1.250	0.850	1.120	10.000	2.500	1.5°	
	S24T-NTSIR22-98	22	1.750	1.500	0.980	1.340	12.000	2.500	1.5°	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	Type	NTS-I . -16 .. 0.670–0.800	NTS-I . -16 .. 0.900–1.650	NTS-I . -16 .. 1.200	NTS-I . -22 .. 1.000	NTS-I . -22 .. 1.250–1.750
	Left shim			YI3		
	Right shim		YE3			YE4
	Clamping screw for threading insert Tightening torque	FS2175 (T10) 15 in lbs	FS2177 (T10) 15 in lbs	FS2177 (T10) 15 in lbs	FS2176 (T20) 34 in lbs	FS2178 (T20) 34 in lbs
	Clamping screw + washer for shim		FS2179 (T10)	FS2179 (T10)		FS2180 (T20)
	Torx key	FS1050 (T10)	FS1050 (T10)	FS1050 (T10)	FS256 (T20)	FS256 (T20)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

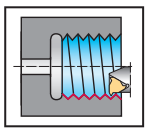
Boring bar – Internal thread

C...-NTS-SI mm

Walter NTS

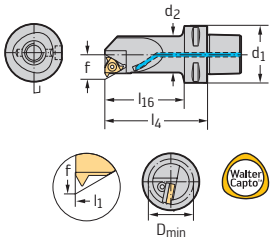


– Standard position
– TM



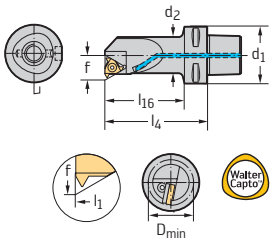


Tool



Walter Capto™ in acc. with ISO 26623

Designation		D_{min} mm	d_2 mm	d_1	f mm	l_4 mm	l_{16} mm	Type
C4-NTS-SIL22090-16	16	40	32	C4	22	90	69	NTS-I . -16 ..
C4-NTS-SIR22090-16	16	40	32	C4	22	90	69	
C5-NTS-SIL22090-16	16	40	32	C5	22	90	68	
C5-NTS-SIR22090-16	16	40	32	C5	22	90	68	
C6-NTS-SIL22090-16	16	40	32	C6	22	90	64	
C6-NTS-SIR22090-16	16	40	32	C6	22	90	64	
C4-NTS-SIL27080-16	16	50	39.5	C4	27	80	60	
C4-NTS-SIR27080-16	16	50	39.5	C4	27	80	60	
C5-NTS-SIL27105-16	16	50	40	C5	27	105	84	
C5-NTS-SIR27105-16	16	50	40	C5	27	105	84	
C6-NTS-SIL27105-16	16	50	40	C6	27	105	80	
C6-NTS-SIR27105-16	16	50	40	C6	27	105	80	



Walter Capto™ in acc. with ISO 26623

Designation		D_{min} mm	d_2 mm	d_1	f mm	l_4 mm	l_{16} mm	Type
C4-NTS-SIL22090-22	22	40	31.5	C4	22	90	69	NTS-I . -22 ..
C4-NTS-SIR22090-22	22	40	31.5	C4	22	90	69	
C5-NTS-SIL22090-22	22	40	31.5	C5	22	90	68	
C5-NTS-SIR22090-22	22	40	31.5	C5	22	90	68	
C6-NTS-SIL22090-22	22	40	31.5	C6	22	90	64	
C6-NTS-SIR22090-22	22	40	31.5	C6	22	90	64	
C4-NTS-SIL27080-22	22	50	39.5	C4	27	80	60	
C4-NTS-SIR27080-22	22	50	39.5	C4	27	80	60	
C5-NTS-SIL27105-22	22	50	40	C5	27	105	84	
C5-NTS-SIR27105-22	22	50	40	C5	27	105	84	
C6-NTS-SIL27105-22	22	50	40	C6	27	105	80	
C6-NTS-SIR27105-22	22	50	40	C6	27	105	80	

The toolholders listed are designed for an inclination angle of 1.5°
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	NTS-I . -16 ..	NTS-I . -22 ..
Right shim	YE3	YE4
Clamping screw for threading insert Tightening torque	FS2177 (T10) 1.7 Nm	FS2178 (T20) 3.8 Nm
Clamping screw + washer for shim	FS2179 (T10)	FS2180 (T20)
Torx key	FS1050 (T10)	FS256 (T20)

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Replaceable head – Internal thread

T1820-Q...-P mm

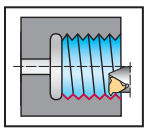
Walter NTS





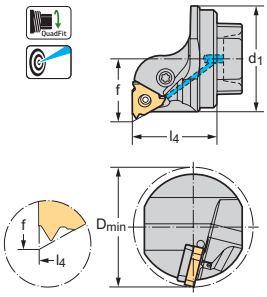
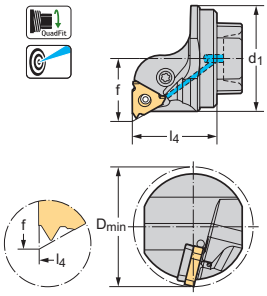
A3

– QuadFit
– Precision cooling





Tool

	Designation		d_1	D_{min} mm	f mm	l_4 mm	β	Type
 QuadFit	T1820-Q25L-16I-P	16	Q25	29	16.3	25	1°	NTS-I . -16 ..
	T1820-Q32L-16I-P	16	Q32	36	19.8	32	1°	
	T1820-Q32L-22I-P	22	Q32	38	21.3	32	1°	NTS-I . -22 ..
	T1820-Q40L-16I-P	16	Q40	44	23.8	32	1°	NTS-I . -16 ..
	T1820-Q40L-22I-P	22	Q40	46	25.3	32	1°	NTS-I . -22 ..
	T1820-Q50L-16I-P	16	Q50	54	28.8	32	1°	NTS-I . -16 ..
	T1820-Q50L-22I-P	22	Q50	56	30.3	32	1°	NTS-I . -22 ..
 QuadFit	T1820-Q25R-16I-P	16	Q25	29	16.3	25	1°	
	T1820-Q32R-16I-P	16	Q32	36	19.8	32	1°	NTS-I . -16 ..
	T1820-Q32R-22I-P	22	Q32	38	21.3	32	1°	NTS-I . -22 ..
	T1820-Q40R-16I-P	16	Q40	44	23.8	32	1°	NTS-I . -16 ..
	T1820-Q40R-22I-P	22	Q40	46	25.3	32	1°	NTS-I . -22 ..
	T1820-Q50R-16I-P	16	Q50	54	28.8	32	1°	NTS-I . -16 ..
	T1820-Q50R-22I-P	22	Q50	56	30.3	32	1°	NTS-I . -22 ..

The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	NTS-I . -16 ..	NTS-I . -22 ..
Shim	GXA16-1	NXA22-1
Clamping screw	FS2615 (T15IP)	FS2616 (T25IP)
Lever	KN129	KN130
Pin	RS123	RS124
Torx key	FS1465 (T15IP)	
Allen key		FS1592 (T25IP)

Accessories

Type	NTS-I . -16 ..	NTS-I . -22 ..
Shim	GXA16-0	NXA22-0

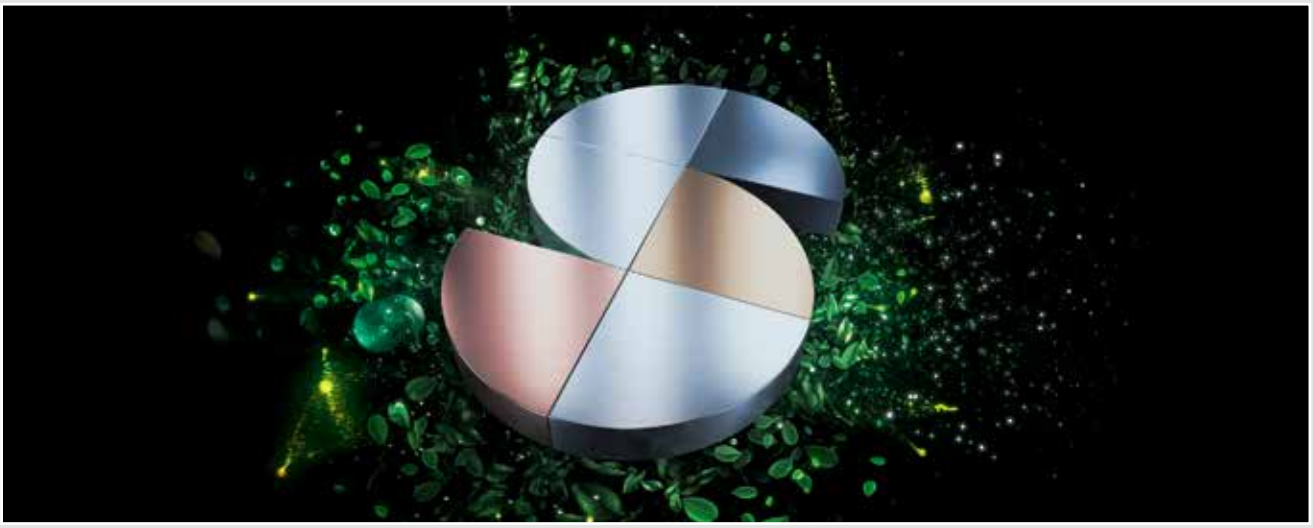
WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = 😐 → Poor = ☹ machining conditions

Accessories

	Type	NTS-I . -16 ..	NTS-I . -22 ..
	Shim	GXA16-2	NXA22-2
	Shim	GXA16-3	NXA22-3
	Shim	GXA16-4	NXA22-4
	Shim	GXA16-98	NXA22-98
	Shim	GXA16-99	NXA22-99



Sustainable products and services – certified and transparent

Walter is a company that takes responsibility for people and the environment. Sustainability is a central component of our corporate strategy. It pervades our products and business divisions and is reviewed and certified by independent third parties on a regular basis.

Proven to be produced to high standards

All processes, procedures, methods and instruments that we use are checked and certified by an independent body according to strict criteria. Occupational health and safety, quality assurance and environmentally friendly actions (for example through resource-saving, energy-efficient and CO_2-offset production) are examples of this. Our social commitment shows that Walter has a broader definition of responsibility.

Transparency throughout the entire process chain – for your peace of mind

The integrated management system at Walter includes the sustainable use of resources and production equipment as well as of people – our customers, partners and employees. So that you can count on all of our products meeting these requirements throughout the entire process chain, we apply our own benchmarks to our suppliers too.

Certification

The integrated management system at Walter includes certification in accordance with:

- ISO 9001 (Quality management)
- VDA 6.4 (Production equipment for the automotive industry)
- ISO 14001 (Environmental management)
- ISO 45001 (Occupational health and safety management)
- ISO 50001 (Energy management)

You can find more information on Walter certification here:



Occupational health and safety
Walter protects its employees against health hazards. To prevent accidents, we continuously review our processes and take proactive measures as a precaution.



Environmental and energy management
Environmental protection is an important company objective for Walter. We use energy efficiently and deploy practical methods to sustainably reduce the consumption of energy, water and resources.



Quality management
Walter is continuously improving its products and processes. We ensure our product quality using effective measures and procedures – and check it on a regular basis with our comprehensive quality management system.

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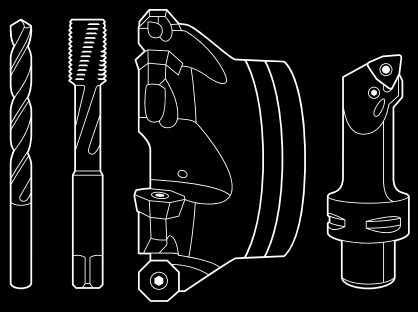

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