WALTER
Engineering Kompetenz

Turning, holemaking, threading, milling

Product Innovations catalogue
Edition 2021-2

_ THE RIGHT TIME FOR INNOVATION

Product Innovations catalogue

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 catalogues 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 optimised form, at any time.

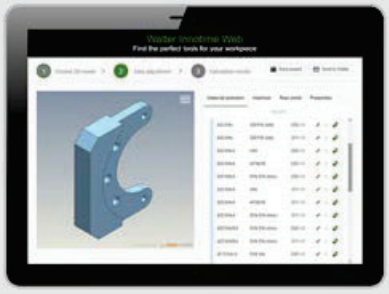
Walter online catalogue

Tool-specific search
You can find products in the Walter online catalogue using the familiar structure of our product catalogue 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.

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 aluminium nitride layer makes them highly resistant to abrasion, hairline cracks, oxidation and plastic deformation. The heat-resistant, tough PVD grade with aluminium 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 aluminium oxide layer with optimised microstructure reduces wear during turning, milling and drilling operations, and increases toughness and temperature resistance for significantly 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, optimising 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 enquiries 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-standardised 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-centre, thereby guaranteeing maximum stability and concentricity.

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.

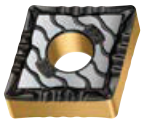
The precision-ground QuadFit interface with taper and support face characterises the precision of the vibration-damped boring bars for turning and thread turning with Walter Accure·tec technology. The exchangeable head system, which can be rotated by 180°, makes it possible to rapidly replace tools with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

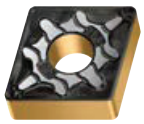
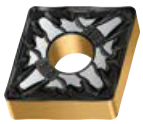
In turning and grooving operations, the Walter precision cooling system provides cooling at the centre of the chip formation. Its dual coolant jets are directed precisely onto the flank and rake faces. In drilling operations, the coolant jets exit close to the cutting edge, cooling the flank and rake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

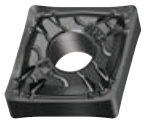
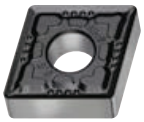
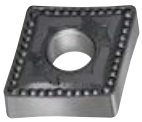
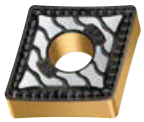
"Flash" refers to specialised solid carbide milling cutters for high-feed milling. Their end-face geometry reduces the chip thickness "h" and therefore enables an extremely high feed per tooth. Forces that occur are diverted axially towards the centre of the tool, which helps to stabilise the machining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

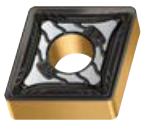
On Walter turning toolholders with "SmartLock", the clamping screw can be operated from the side of the tool. This makes it possible to change the inserts in the machine quickly and easily. Tool change times are reduced as a result. Ideal for use on CNC lathe and multi-spindle machines.

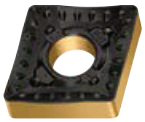
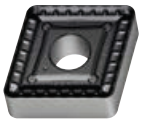
A – Turning

Machining	Finish machining/finishing				Medium machining
	Selection	NEW		Selection	Selection
	 Wiper				 Wiper
Geometry	**FW5**	**FM5**	**NFT**	**FP5**	**MW5**
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]	0,3–3,0	0,1–2,0	0,1–2,0	0,08–2,5	0,8–4,0
f [mm]	0,10–0,65	0,03–0,25	0,04–0,20	0,04–0,28	0,15–0,70
Page in catalogue	**16**			**16**	**16**
QR code					
www.walter-tools.com/woc/	FW5	FM5	NFT	FP5	MW5

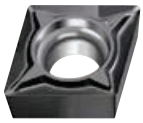
Machining	Medium machining			Pre-machining/roughing	
	Selection	NEW			
					
Geometry	**MP5**	**MU5**	**MK5**	**NRS**	**NRT**
P Steel	●●	●●	●		
M Stainless steel		●●		●	
K Cast iron	●	●	●●		
N NF metals					
S Materials with difficult cutting properties		●		●●	●●
H Hard materials					
O Other					
a_p [mm]	0,5–8,0	0,5–7,0	0,2–8,0	0,8–9,0	0,8–9,0
f [mm]	0,10–0,55	0,15–0,55	0,10–0,80	0,13–0,60	0,18–0,80
Page in catalogue	**16**	**16**			
QR code					
www.walter-tools.com/woc/	MP5	MU5	MK5	NRS	NRT

	Medium machining / Finish machining/ finishing	Medium machining				
	NEW				Selection	
						
	MN3	NMS	MS3	NMT	MP3	MM5
	●		●	●●	●●	●
	●	●	●			●●
					●	
	●●		●			
	●	●●	●●	●●		●●
	0,5–4,0	0,5–3,5	0,2–5,0	0,4–4,0	0,3–3,5	0,5–4,5
	0,05–0,40	0,08–0,45	0,02–0,50	0,08–0,32	0,06–0,40	0,10–0,45
					16	
	MN3	NMS	MS3	NMT	MP3	MM5

	Pre-machining/roughing					Heavy machining
	Selection	Selection	Selection			
						
	RM5	RP5	RP7	RK5	RK7	NRF
		●●	●●			●●
	●●	●				●
		●	●●	●●	●●	●
	●●					
				●	●●	
	1,2–8,0	0,8–13,0	0,8–10,0	0,6–8,0	0,8–8,0	0,8–12,0
	0,20–0,80	0,15–1,20	0,18–1,00	0,15–0,90	0,20–0,80	0,25–1,20
	16	16	16			
	RM5	RP5	RP7	RK5	RK7	NRF

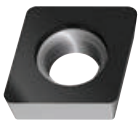
Machining	Heavy machining	
		
Geometry	**HU5**	**NRR**
P Steel	●	●●
M Stainless steel	●●	
K Cast iron	●	●
N NF metals		
S Materials with difficult cutting properties	●●	
H Hard materials		
O Other		
a_p [mm]	1,0–12,0	1,5–17,0
f [mm]	0,25–1,20	0,40–1,60
Page in catalogue		
QR code		
www.walter-tools.com/woc/	HU5	NRR

ISO indexable inserts – Positive basic shape 5°/7°/11°

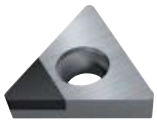
Machining	Finish machining/finishing				
		Selection			
					
Geometry	**PF**	**FN2**	**FM2**	**FP2**	**FM4**
P Steel	●●	●●	●●	●●	●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●●	●	●	●●	
N NF metals		●●	●●	●	
S Materials with difficult cutting	●	●●	●●	●	●●
H Hard materials					
O Other					
a_p [mm]	0,3–3,0	0,12–3,5	0,1–3,5	0,1–3,0	0,1–5,0
f [mm]	0,05–0,45	0,02–0,30	0,02–0,30	0,01–0,30	0,02–0,40
Page in catalogue		27			
QR code					
www.walter-tools.com/woc/	PF	FN2	FM2	FP2	FM4

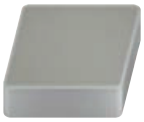
Machining	Medium machining				
	Selection	NEW	NEW		
					
Geometry	**MN2**	**MM4**	**MP4**	**MK4**	**..GN**
P Steel	●	●	●●	●	●●
M Stainless steel	●	●●	●	●	●
K Cast iron		●	●	●●	●
N NF metals	●●				
S Materials with difficult cutting	●	●●	●	●	●
H Hard materials					
O Other					
a_p [mm]	0,5–6,0	0,1–3,5	0,3–3,5	0,4–3,5	0,4–4,0
f [mm]	0,02–0,80	0,04–0,35	0,06–0,35	0,08–0,35	0,10–0,30
Page in catalogue	27				
QR code					
www.walter-tools.com/woc/	MN2	MM4	MP4	MK4	GN

	Finish machining/finishing					Medium machining
						
	FP4	PF4	FM6	FP6	FK6	PM
	●●	●●	●	●●	●	●●
	●	●●	●●	●	●	●
	●			●	●●	●●
	●	●●	●●	●	●	●
	0,1–5,0	0,1–1,5	0,3–2,5	0,3–2,5	0,3–2,5	0,5–4,0
	0,02–0,40	0,04–0,20	0,08–0,32	0,06–0,32	0,06–0,32	0,12–0,50
	FP4	PF4	FM6	FP6	FK6	PM

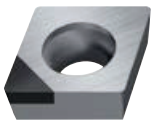
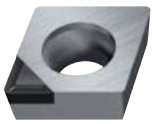
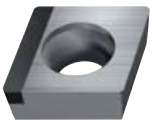
	Medium machining	Pre-machining/roughing				Heavy machining
						
	..MR	RM4	RP4	RK4	RK6	HU6
	●●	●	●●	●		●●
	●	●●	●	●		
	●●	●	●	●●	●●	●●
	●	●●	●	●		
					●	
	0,4–4,0	0,2–7,0	0,2–7,0	0,2–7,0	0,2–5,0	1,0–15,0
	0,12–0,30	0,08–1,20	0,08–1,20	0,08–1,20	0,08–0,50	0,12–1,70
	MR	RM4	RP4	RK4	RK6	HU6

ISO indexable inserts – CBN/PCD/ceramic

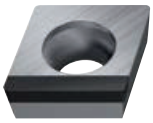
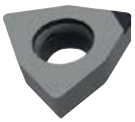
Machining	Finish machining/finishing				
					
Geometry	**EM-2**	**TS-1**	**TS-2**	**TS-3**	**TS-4**
P Steel					
M Stainless steel					
K Cast iron					
N NF metals					
S Materials with difficult cutting	●●				
H Hard materials		●●	●●	●●	●●
O Other					
a_p [mm]	0,1–1,0	0,05–0,3	0,1–2,0	0,1–2,0	0,1–2,0
f [mm]	0,05–0,25	0,02–0,15	0,05–0,30	0,05–0,25	0,05–0,30
Page in catalogue					
QR code					
www.walter-tools.com/woc/	EM-2	TS-1	TS-2	TS-3	TS-4

Machining		Finish machining/ finishing	Medium machining		Pre-machining/ roughing / Medium machining
					
Geometry	**TS-0**	**TM-S**	**E**	**T01020**	**T02020**
P Steel					
M Stainless steel					
K Cast iron		●●			●●
N NF metals					
S Materials with difficult cutting			●●	●●	
H Hard materials	●●	●		●	
O Other					
a_p [mm]	0,1–5,0	0,1–5,0	0,1–3,6	0,1–4,5	0,1–6,0
f [mm]	0,05–0,40	0,05–0,50	0,10–0,32	0,10–0,42	0,10–0,80
Page in catalogue					
QR code					
www.walter-tools.com/woc/	TS-0	TM-S	E	T01020	T02020

	Finish machining/finishing					
		NEW	NEW	NEW		NEW
						
	TS-MW2	TM-2	TM-3	TM-4	TM-M2	TM-MW2
	●●	●●	●●	●●	●●	●●
	0,1–0,5	0,1–1,0	0,1–1,0	0,1–1,0	0,1–1,0	0,1–1,0
	0,05–0,20	0,05–0,30	0,05–0,25	0,05–0,30	0,05–0,30	0,05–0,50
	TS-MW2	TM-2	TM-3	TM-4	TM-M2	TM-MW2

	Finish machining/finishing			Medium machining	Finish machining/finishing	
	NEW	NEW				
		 Wiper				
	SM-S	SM-MWS	FS-1	FS-M1	FS-9	FSL-9
			●●	●●	●●	●●
			●	●	●●	●
	●●	●●				
			●●	●●	●●	●●
	0,1–1,0	0,1–1,0	0,05–4,0	0,1–2,0	0,05–15,3	0,05–9,7
	0,05–0,30	0,05–0,35	0,03–0,38	0,08–0,20	0,03–0,38	0,03–0,38
	SM-S	SM-MWS	FS-1	FS-M1	FS-9	FSL-9

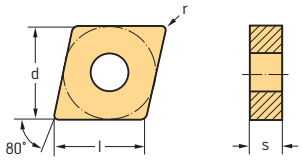
ISO indexable inserts – CBN/PCD/ceramic

Machining	Finish machining/ finishing	
		
Geometry	**FSR-9**	**A27**
P Steel		
M Stainless steel		
K Cast iron		
N NF metals	●●	
S Materials with difficult cutting	●	
H Hard materials		●●
O Other	●●	
a_p [mm]	0,05–9,7	0,05
f [mm]	0,03–0,38	0,05–0,20
Page in catalogue		
QR code		
www.walter-tools.com/woc/	FSR-9	A27

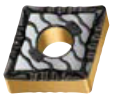
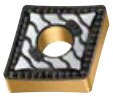
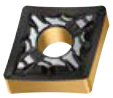
Indexable inserts for copy turning system – WL

Machining	Finish machining/finishing		Medium machining		
	NEW	NEW	NEW	NEW	NEW
					
Geometry	**FM4**	**FP4**	**MM4**	**MP4**	**MU6**
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]	0,1–2,0	0,1–2,0	0,4–2,5	0,4–2,5	0,5–2,5
f [mm]	0,04–0,25	0,05–0,25	0,08–0,40	0,08–0,40	0,12–0,45
Page in catalogue	**32**	**32**	**32**	**32**	**32**
QR code					
www.walter-tools.com/woc/	FM4	FP4	MM4	MP4	MU6

Negative rhombic 80°
CNMG
Tiger·tec® Gold



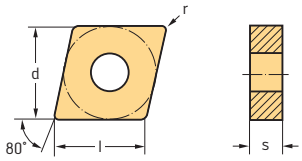
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M					K		S				
						HC			HE		HC				HC			HC			HW
					WPP10G	WPP20S	WPP30G	WPP30S	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S	WSM30S	WS10
	CNMG090304-FP5	0,4	0,04–0,20	0,1–1,5	●	●															
	CNMG090308-FP5	0,8	0,08–0,25	0,2–2,0	●	●															
	CNMG120402-FP5	0,2	0,04–0,12	0,1–0,5					●												
	CNMG120404-FP5	0,4	0,04–0,20	0,1–1,5					●												
	CNMG120408-FP5	0,8	0,08–0,25	0,2–2,0	●				●												
	CNMG120412-FP5	1,2	0,10–0,25	0,5–2,5																	
 Wiper	CNMG120404-FW5	0,4	0,10–0,40	0,3–3,0	●	●						●	●					●	●		
	CNMG120408-FW5	0,8	0,15–0,60	0,4–3,0	●	●						●	●					●	●		
	CNMG090304-MP3	0,4	0,06–0,20	0,3–2,2																	
	CNMG090308-MP3	0,8	0,10–0,28	0,6–3,0	●		●	●													
	CNMG120404-MP3	0,4	0,08–0,22	0,3–2,5	●	●	●	●													
	CNMG120408-MP3	0,8	0,12–0,32	0,6–3,2			●														
	CNMG120412-MP3	1,2	0,16–0,40	0,8–3,5		●	●	●													
	CNMG120404-MP5	0,4	0,16–0,25	0,5–4,0	●	●	●	●													
	CNMG120408-MP5	0,8	0,18–0,40	0,6–5,0		●	●	●							●						
	CNMG120412-MP5	1,2	0,20–0,45	1,0–5,0		●	●														
	CNMG120416-MP5	1,6	0,25–0,50	1,2–5,0		●	●	●													
	CNMG160608-MP5	0,8	0,25–0,40	0,8–7,0	●		●	●													
	CNMG160612-MP5	1,2	0,30–0,50	1,0–7,0	●	●	●	●													
	CNMG160616-MP5	1,6	0,35–0,55	1,2–7,0	●	●	●	●													
	CNMG120404-MS3	0,4	0,12–0,25	0,6–3,0						●	●	●	●	●			●	●	●	●	●
	CNMG120408-MS3	0,8	0,15–0,30	0,8–3,0	●	●				●	●	●	●	●			●	●	●	●	
	CNMG120412-MS3	1,2	0,15–0,40	1,0–3,5		●				●	●	●	●				●	●	●		
	CNMG190612-MS3	1,2	0,18–0,50	1,2–5,0							●		●				●		●		
	CNMG120404-MU5	0,4	0,15–0,30	0,5–4,0		●				●			●						●		
	CNMG120408-MU5	0,8	0,15–0,40	0,6–5,0		●				●			●						●		
	CNMG120412-MU5	1,2	0,20–0,50	1,0–5,0	●					●			●						●		
	CNMG120416-MU5	1,6	0,25–0,55	1,2–5,0	●	●															
	CNMG160612-MU5	1,2	0,30–0,55	1,0–7,0		●				●			●						●		
 Wiper	CNMG120408-MW5	0,8	0,20–0,65	0,8–4,0	●	●				●					●	●					
	CNMG120412-MW5	1,2	0,25–0,70	1,5–4,0	●					●					●	●					
	CNMG120408-RM5	0,8	0,20–0,40	1,2–5,0	●	●				●		●	●	●				●		●	
	CNMG120412-RM5	1,2	0,25–0,50	1,5–5,0	●	●				●		●	●	●				●		●	
	CNMG120416-RM5	1,6	0,30–0,55	2,0–5,0									●	●						●	
	CNMG160608-RM5	0,8	0,22–0,45	1,2–7,0								●	●	●				●		●	
	CNMG160612-RM5	1,2	0,25–0,60	1,5–7,0						●		●	●	●				●		●	
	CNMG160616-RM5	1,6	0,30–0,65	2,0–7,0						●			●	●						●	
	CNMG190612-RM5	1,2	0,25–0,60	1,5–8,0						●		●	●	●				●		●	
	CNMG190616-RM5	1,6	0,30–0,80	2,0–8,0						●		●	●	●				●		●	

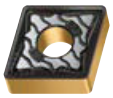
See the ISO 1832 designation key for dimensions

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

Negative rhombic 80°
CNMG
Tiger·tec® Gold



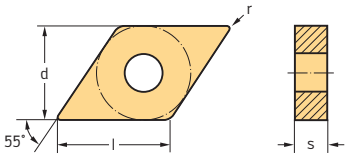
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M					K		S				HW
					HC				HE	HC					HC		HC				
					WPP10G	WPP20S	WPP30G	WPP30S	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S	WSM30S	WS10
	CNMG120408-RP5	0,8	0,20–0,40	0,8–6,0	☺	☺	☹	☹							☺						
	CNMG120412-RP5	1,2	0,25–0,60	1,0–6,0		☺	☹	☹							☺						
	CNMG120416-RP5	1,6	0,35–0,70	1,6–6,0		☺	☹	☹													
	CNMG160608-RP5	0,8	0,25–0,50	1,0–8,0	☺	☺	☹	☹													
	CNMG160612-RP5	1,2	0,35–0,65	1,2–8,0	☺	☺	☹	☹													
	CNMG160616-RP5	1,6	0,40–0,70	1,6–8,0	☺		☹	☹													
	CNMG160624-RP5	2,4	0,40–0,90	2,0–8,0	☺	☺															
	CNMG190608-RP5	0,8	0,25–0,50	1,0–10,0	☺		☹	☹													
	CNMG190612-RP5	1,2	0,30–0,70	1,2–10,0	☺	☺		☹													
	CNMG190616-RP5	1,6	0,35–0,80	1,6–10,0	☺	☺	☹	☹													
	CNMG190624-RP5	2,4	0,45–1,00	2,0–10,0				☹													
	CNMG250924-RP5	2,4	0,45–1,20	2,0–12,0																	
	CNMG120408-RP7	0,8	0,18–0,40	0,8–5,0	☺	☺		☹													
	CNMG120412-RP7	1,2	0,25–0,50	1,2–5,0	☺		☹	☹													
	CNMG120416-RP7	1,6	0,35–0,50	1,5–5,0	☺	☺	☹	☹													
	CNMG160608-RP7	0,8	0,30–0,50	0,8–6,0	☺	☺	☹	☹													
	CNMG160612-RP7	1,2	0,35–0,60	1,2–6,0	☺	☺	☹	☹													
	CNMG160616-RP7	1,6	0,40–0,60	1,5–6,0	☺		☹	☹													
	CNMG190612-RP7	1,2	0,35–0,60	1,2–7,0	☺	☺															
	CNMG190616-RP7	1,6	0,35–0,75	1,5–7,0	☺	☺															
	CNMG250924-RP7	2,4	0,45–1,00	3,0–9,0		☺															

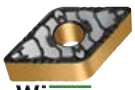
See the ISO 1832 designation key for dimensions

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

Negative rhombic 55°
DNMG
Tiger·tec® Gold



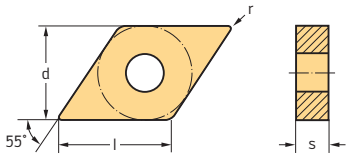
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M					K		S			
						HC			HE		HC				HC		HC			
					WPP10G	WPP20S	WPP30G	WPP30S	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S	WSM30S
	DNMG110402-FP5	0,2	0,04–0,12	0,1–0,5	●	●			●											
	DNMG110404-FP5	0,4	0,04–0,20	0,1–1,5		●			●											
	DNMG110408-FP5	0,8	0,08–0,25	0,2–2,0	●	●			●											
	DNMG110412-FP5	1,2	0,10–0,25	0,5–2,5		●														
	DNMG150404-FP5	0,4	0,05–0,20	0,1–1,5	●	●			●											
	DNMG150408-FP5	0,8	0,08–0,25	0,2–2,0	●	●			●											
	DNMG150412-FP5	1,2	0,10–0,25	0,5–2,5	●	●			●											
	DNMG150604-FP5	0,4	0,05–0,20	0,1–1,5	●	●			●											
	DNMG150608-FP5	0,8	0,08–0,25	0,2–2,0	●	●			●											
	DNMG150612-FP5	1,2	0,10–0,25	0,5–2,5					●											
 Wiper	DNMG110404-FW5	0,4	0,10–0,35	0,3–2,0	●	●						●	●					●	●	
	DNMG110408-FW5	0,8	0,15–0,50	0,4–2,0	●							●	●					●	●	
	DNMG150404-FW5	0,4	0,10–0,40	0,3–3,0	●								●						●	
	DNMG150408-FW5	0,8	0,15–0,50	0,4–3,0									●						●	
	DNMG150604-FW5	0,4	0,10–0,40	0,3–3,0	●							●	●					●	●	
	DNMG150608-FW5	0,8	0,15–0,50	0,4–3,0	●							●	●					●	●	
	DNMG110404-MP3	0,4	0,08–0,22	0,3–2,2		●														
	DNMG110408-MP3	0,8	0,12–0,32	0,6–3,0	●	●	✖	✖												
	DNMG110412-MP3	1,2	0,16–0,40	0,8–3,2	●	●														
	DNMG150404-MP3	0,4	0,08–0,22	0,3–2,5	●															
	DNMG150408-MP3	0,8	0,12–0,32	0,6–3,2	●	●	✖	✖												
	DNMG150412-MP3	1,2	0,16–0,40	0,8–3,5	●	●	✖													
	DNMG150604-MP3	0,4	0,08–0,22	0,3–2,5	●															
	DNMG150608-MP3	0,8	0,12–0,32	0,6–3,2	●	●	✖													
	DNMG150612-MP3	1,2	0,16–0,40	0,8–3,5	●	●														
	DNMG110404-MP5	0,4	0,16–0,25	0,5–4,0	●	●	✖	✖												
	DNMG110408-MP5	0,8	0,18–0,35	0,6–4,0	●	●	✖													
	DNMG110412-MP5	1,2	0,20–0,40	1,0–4,0	●	●		✖												
	DNMG150404-MP5	0,4	0,16–0,25	0,5–4,0																
	DNMG150408-MP5	0,8	0,18–0,35	0,6–5,0	●	●	✖	✖												
	DNMG150412-MP5	1,2	0,20–0,40	1,0–5,0	●	●	✖	✖												
	DNMG150604-MP5	0,4	0,16–0,25	0,5–4,0	●		✖	✖												
	DNMG150608-MP5	0,8	0,18–0,35	0,6–5,0	●	●	✖	✖												
	DNMG150612-MP5	1,2	0,20–0,40	1,0–5,0		●	✖													
	DNMG150616-MP5	1,6	0,25–0,45	1,2–5,0	●															
	DNMG110408-MS3	0,8	0,12–0,30	0,8–2,5						●	●	●		✖			●	●		✖
	DNMG150404-MS3	0,4	0,12–0,25	0,6–2,5							●	●					●	●		
	DNMG150408-MS3	0,8	0,15–0,30	0,8–2,5							●	●		✖			●	●		✖
	DNMG150604-MS3	0,4	0,12–0,25	0,6–2,5							●	●					●	●		
	DNMG150608-MS3	0,8	0,15–0,30	0,8–2,5		●				●	●	●		✖			●	●		✖
	DNMG110408-MU5	0,8	0,18–0,35	0,6–4,0	●	●				●			●						●	
	DNMG150408-MU5	0,8	0,18–0,35	0,6–5,0	●	●				●			●						●	
	DNMG150608-MU5	0,8	0,18–0,35	0,6–5,0	●					●			●						●	
	DNMG150612-MU5	1,2	0,20–0,45	1,0–5,0	●					●			●						●	
	DNMG150616-MU5	1,6	0,25–0,50	1,2–5,0		●				●			●						●	

See the ISO 1832 designation key for dimensions

HE = Coated cermet
HC = Coated carbide

Negative rhombic 55°
DNMG
Tiger·tec® Gold



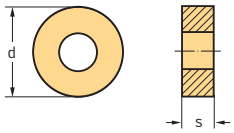
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M					K		S			
					HC				HE	HC					HC		HC			
					WPP10G	WPP20S	WPP30G	WPP30S	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S	WSM30S
 Wiper	DNMG110408-MW5	0,8	0,15–0,50	0,8–3,0	☺	☺									☺	☺				
	DNMG110412-MW5	1,2	0,20–0,60	1,5–3,0	☺	☺									☺	☺				
	DNMG150408-MW5	0,8	0,15–0,55	0,8–4,0	☺										☺					
	DNMG150412-MW5	1,2	0,20–0,65	1,5–4,0	☺										☺					
	DNMG150608-MW5	0,8	0,15–0,55	1,5–4,0	☺	☺									☺	☺				
	DNMG150612-MW5	1,2	0,20–0,65	1,5–4,0	☺	☺									☺	☺				
	DNMG110408-RP5	0,8	0,18–0,35	0,8–4,0		☺		☹												
	DNMG110412-RP5	1,2	0,20–0,40	1,0–4,0	☺	☺	☹	☹												
	DNMG150408-RP5	0,8	0,18–0,35	0,8–5,0	☺	☺	☹	☹												
	DNMG150412-RP5	1,2	0,20–0,40	1,0–5,0	☺	☺	☹													
	DNMG150608-RP5	0,8	0,15–0,35	0,8–5,0	☺	☺	☹	☹												
	DNMG150612-RP5	1,2	0,20–0,55	1,0–5,0	☺	☺	☹													
	DNMG150616-RP5	1,6	0,25–0,65	1,6–5,0	☺	☺	☹	☹												

See the ISO 1832 designation key for dimensions

HE = Coated cermet
HC = Coated carbide

Negative round
RNMG
Tiger·tec® Gold



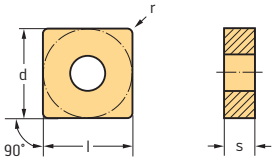
Indexable inserts

	Designation	d mm	f mm	a_p mm	P HC WPP20S	S HW WS10
	RNMG120400-RP5	12,7	0,20–0,60	1,2–5,0	☹	☺

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Negative square
SNMG
Tiger·tec® Gold



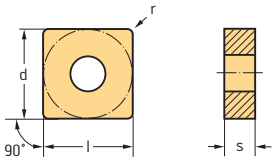
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WPP10G	P HC WPP20S	P HC WPP30G	P HC WPP30S	M HC WMP20S	M HC WSM20S	S HC WSM20S
	SNMG090308-FP5	0,8	0,06–0,20	0,2–1,5	☺	☹					
	SNMG120404-FP5	0,4	0,04–0,22	0,1–1,8							
	SNMG120408-FP5	0,8	0,08–0,25	0,2–2,0	☺						
	SNMG120412-FP5	1,2	0,10–0,25	0,5–2,5		☹					
	SNMG090308-MP3	0,8	0,10–0,32	0,6–3,0	☺						
	SNMG120404-MP3	0,4	0,08–0,25	0,3–2,5		☹					
	SNMG120408-MP3	0,8	0,12–0,35	0,6–3,2	☺	☹	☠	☠			
	SNMG120412-MP3	1,2	0,16–0,40	0,8–3,5		☹					
	SNMG090308-MP5	0,8	0,14–0,32	0,6–3,0		☹		☠			
	SNMG120408-MP5	0,8	0,18–0,40	0,6–5,0	☺	☹	☠	☠			
	SNMG120412-MP5	1,2	0,20–0,45	1,0–5,0	☺	☹	☠	☠			
	SNMG120416-MP5	1,6	0,25–0,50	1,2–5,0	☺	☹					
	SNMG150608-MP5	0,8	0,25–0,50	0,8–8,0		☹					
	SNMG150612-MP5	1,2	0,30–0,50	1,0–8,0			☠				
	SNMG150616-MP5	1,6	0,35–0,55	1,2–8,0		☹					
	SNMG120408-MU5	0,8	0,18–0,45	0,6–5,0	☺	☹			☹	☹	☹

See the ISO 1832 designation key for dimensions

HC = Coated carbide

Negative square
SNMG
Tiger·tec® Gold



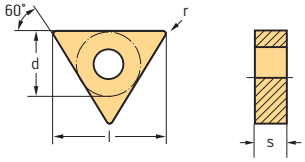
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WPP10G	P HC WPP20S	P HC WPP30G	P HC WPP30S	M HC WMP20S	M HC WSM20S	S HC WSM20S
	SNMG120408-RP5	0,8	0,20–0,55	0,8–6,0	☺	☹	☠				
	SNMG120412-RP5	1,2	0,25–0,65	1,0–6,0	☺	☹	☠	☠			
	SNMG120416-RP5	1,6	0,35–0,75	1,6–6,0	☺	☹	☠	☠			
	SNMG150612-RP5	1,2	0,25–0,70	1,2–8,0	☺		☠	☠			
	SNMG150616-RP5	1,6	0,35–0,80	1,6–8,0	☺		☠				
	SNMG190612-RP5	1,2	0,30–0,70	1,2–10,0	☺		☠	☠			
	SNMG190616-RP5	1,6	0,35–0,80	1,6–10,0		☹		☠			
	SNMG190624-RP5	2,4	0,44–1,20	2,0–10,0							
	SNMG250924-RP5	2,4	0,55–1,20	2,5–12,0							
	SNMG120408-RP7	0,8	0,25–0,45	0,8–5,0		☹	☠				
	SNMG120412-RP7	1,2	0,30–0,50	1,2–5,0		☹	☠				
	SNMG120416-RP7	1,6	0,35–0,60	1,5–5,0	☺	☹	☠				
	SNMG150612-RP7	1,2	0,35–0,60	1,2–6,0	☺		☠				
	SNMG150616-RP7	1,6	0,40–0,70	1,5–6,0	☺	☹	☠	☠			
	SNMG190612-RP7	1,2	0,35–0,60	1,2–7,0			☠	☠			
	SNMG190616-RP7	1,6	0,40–0,70	1,5–7,0		☹	☠	☠			
	SNMG190624-RP7	2,4	0,40–0,80	2,5–7,0		☹		☠			
	SNMG250924-RP7	2,4	0,55–1,00	3,0–10,0							

See the ISO 1832 designation key for dimensions

HC = Coated carbide

Negative triangular 60°
TNMG
Tiger·tec® Gold



Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M				K		S		
						HC			HE		HC				HC		HC	
					WPP10G	WPP20S	WPP30G	WPP30S	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S
	TNMG110304-FP5	0,4	0,04–0,15	0,1–1,2	☺													
	TNMG110308-FP5	0,8	0,08–0,20	0,2–1,5	☺													
	TNMG160404-FP5	0,4	0,04–0,20	0,1–1,5		😐			☺									
	TNMG160408-FP5	0,8	0,08–0,25	0,2–2,0	☺	😐												
	TNMG160412-FP5	1,2	0,10–0,25	0,5–2,5	☺	😐												
 Wiper	TNMG160404-FW5	0,4	0,10–0,40	0,3–3,0	☺							☺	😐				☺	😐
	TNMG160408-FW5	0,8	0,15–0,50	0,4–3,0	☺	😐						☺	😐				☺	😐
	TNMG110304-MP3	0,4	0,06–0,18	0,3–2,0		😐												
	TNMG110308-MP3	0,8	0,10–0,25	0,6–2,2	☺													
	TNMG160304-MP3	0,4	0,08–0,22	0,3–2,2		😐												
	TNMG160308-MP3	0,8	0,12–0,32	0,6–3,0		😐												
	TNMG160404-MP3	0,4	0,08–0,22	0,3–2,2	☺	😐	☹											
	TNMG160408-MP3	0,8	0,12–0,32	0,6–3,0	☺	😐	☹	☹										
	TNMG160412-MP3	1,2	0,16–0,40	0,8–3,2	☺	😐	☹	☹										
	TNMG220408-MP3	0,8	0,12–0,32	0,6–3,2	☺	😐												
	TNMG220412-MP3	1,2	0,16–0,40	0,8–3,5	☺													
	TNMG160308-MP5	0,8	0,18–0,35	0,6–4,0		😐		☹						☺				
	TNMG160404-MP5	0,4	0,16–0,25	0,5–4,0	☺			☹										
	TNMG160408-MP5	0,8	0,18–0,35	0,6–4,0	☺	😐	☹	☹										
	TNMG160412-MP5	1,2	0,20–0,40	1,0–4,0	☺	😐	☹	☹										
	TNMG220404-MP5	0,4	0,16–0,25	0,7–4,0	☺													
	TNMG220408-MP5	0,8	0,18–0,35	0,8–5,0	☺			☹										
	TNMG220412-MP5	1,2	0,20–0,40	1,0–5,0				☹										
	TNMG220416-MP5	1,6	0,25–0,45	1,2–5,0	☺													
	TNMG270608-MP5	0,8	0,25–0,45	0,8–7,0		😐												
	TNMG270612-MP5	1,2	0,30–0,50	1,0–7,0		😐		☹										
	TNMG270616-MP5	1,6	0,35–0,55	1,2–7,0		😐												
	TNMG160304-MS3	0,4	0,12–0,25	0,6–3,0		😐												
	TNMG160308-MS3	0,8	0,15–0,30	0,8–3,0														
	TNMG160404-MS3	0,4	0,12–0,25	0,6–3,0		😐					☺					☺		
	TNMG160408-MS3	0,8	0,15–0,30	0,8–3,0							☺	☺				☺	☺	
	TNMG220404-MS3	0,4	0,12–0,25	0,6–3,0		😐					☺					☺		
	TNMG220408-MS3	0,8	0,15–0,30	0,8–3,0		😐		☹			☺	☺				☺	☺	
	TNMG160404-MU5	0,4	0,15–0,30	0,5–4,0		😐				😐			😐					😐
	TNMG160408-MU5	0,8	0,18–0,35	0,6–4,0	☺					😐			😐					😐
	TNMG160412-MU5	1,2	0,20–0,45	1,0–4,0	☺	😐				😐			😐					😐
 Wiper	TNMG160408-MW5	0,8	0,15–0,55	0,8–4,0		😐								☺	😐			
	TNMG160412-MW5	1,2	0,20–0,65	1,5–4,0										☺	😐			

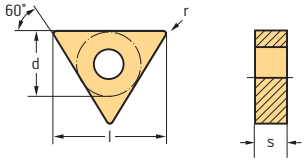
See the ISO 1832 designation key for dimensions

HC = Coated carbide
HE = Coated cermet

Negative triangular 60°

TNMG

Tiger·tec® Gold



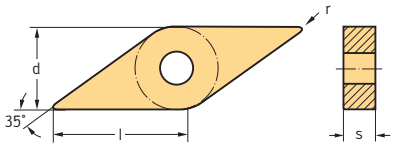
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M				K		S		
					HC				HE	HC				HC		HC		
					WPP10G	WPP20S	WPP30G	WPP30S	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S
	TNMG160408-RP5	0,8	0,20–0,40	0,8–5,0	☺			☹										
	TNMG160412-RP5	1,2	0,25–0,55	1,0–5,0	☺		☹	☹										
	TNMG220408-RP5	0,8	0,20–0,45	0,8–7,0	☺	😐	☹											
	TNMG220412-RP5	1,2	0,25–0,60	1,0–7,0	☺	😐	☹											
	TNMG220416-RP5	1,6	0,35–0,70	1,6–7,0	☺													
	TNMG270612-RP5	1,2	0,30–0,70	1,6–10,0	☺	😐	☹											
	TNMG270616-RP5	1,6	0,35–0,80	2,0–10,0			☹	☹										
	TNMG330924-RP5	2,4	0,45–1,20	2,5–13,0		😐	☹	☹										
	TNMG270616-RP7	1,6	0,35–0,75	1,5–9,0														
	TNMG270624-RP7	2,4	0,55–1,00	3,0–9,0		😐												

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HE = Coated cermet

Negative rhombic 35°
VNMG
Tiger·tec® Gold



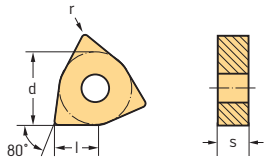
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WPP10G	P HC WPP20S	P HC WPP30G	P HC WPP30S	P HE WEP10C
	VNMG160404-FP5	0,4	0,04–0,22	0,1–1,5	☺	☺			☺
	VNMG160408-FP5	0,8	0,08–0,25	0,2–2,0		☺			
	VNMG160412-FP5	1,2	0,12–0,28	0,3–2,5	☺				
	VNMG160404-MP3	0,4	0,08–0,22	0,3–2,2	☺				
	VNMG160408-MP3	0,8	0,12–0,32	0,6–3,0		☺		☹	
	VNMG160412-MP3	1,2	0,16–0,35	0,8–3,2	☺				
	VNMG160404-MP5	0,4	0,10–0,18	0,5–2,0	☺		☹	☹	
	VNMG160408-MP5	0,8	0,18–0,35	0,6–4,0					
	VNMG160412-MP5	1,2	0,20–0,40	0,8–4,0	☺	☺		☹	
	VNMG220408-MP5	0,8	0,18–0,35	0,6–4,0	☺				

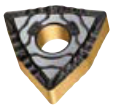
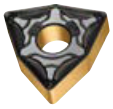
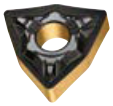
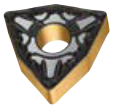
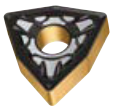
See the ISO 1832 designation key for dimensions

HE = Coated cermet
HC = Coated carbide

Negative Trigon 80°
WNMG
Tiger·tec® Gold



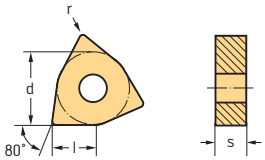
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M					K		S			
						HC			HE		HC				HC			HC		
					WPP10G	WPP20S	WPP30G	WPP30S	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S	WSM30S
	WNMG060404-FP5	0,4	0,04–0,20	0,1–1,5		●														
	WNMG060408-FP5	0,8	0,08–0,25	0,2–2,0	●															
	WNMG080404-FP5	0,4	0,05–0,20	0,1–1,5	●	●														
	WNMG080408-FP5	0,8	0,08–0,25	0,2–2,0	●	●			●											
	WNMG080412-FP5	1,2	0,10–0,25	0,5–2,5	●	●														
	WNMG060404-FW5	0,4	0,10–0,35	0,3–2,0	●							●	●					●	●	
	WNMG060408-FW5	0,8	0,15–0,50	0,4–2,0		●						●	●					●	●	
	WNMG080404-FW5	0,4	0,10–0,40	0,3–3,0	●	●						●	●					●	●	
Wiper	WNMG080408-FW5	0,8	0,15–0,60	0,4–3,0	●	●						●	●					●	●	
	WNMG080412-FW5	1,2	0,25–0,65	0,6–3,0	●	●														
	WNMG060404-MP3	0,4	0,08–0,22	0,3–2,2	●	●														
	WNMG060408-MP3	0,8	0,12–0,32	0,6–3,0		●														
	WNMG060412-MP3	1,2	0,16–0,35	0,8–3,2		●														
	WNMG080404-MP3	0,4	0,08–0,22	0,3–2,5		●		✖												
	WNMG080408-MP3	0,8	0,12–0,32	0,6–3,2		●	✖													
	WNMG080412-MP3	1,2	0,16–0,40	0,8–3,5	●	●														
	WNMG060404-MP5	0,4	0,16–0,25	0,5–4,0	●		✖	✖												
	WNMG060408-MP5	0,8	0,18–0,35	0,6–4,0		●	✖	✖												
	WNMG060412-MP5	1,2	0,20–0,40	1,0–4,0	●	●														
	WNMG080404-MP5	0,4	0,16–0,25	0,5–4,0	●	●	✖	✖												
	WNMG080408-MP5	0,8	0,18–0,40	0,6–5,0	●	●		✖												
	WNMG080412-MP5	1,2	0,20–0,45	1,0–5,0	●	●														
	WNMG080416-MP5	1,6	0,25–0,50	1,2–5,0	●	●														
	WNMG100608-MP5	0,8	0,25–0,40	0,8–7,0	●	●														
	WNMG100612-MP5	1,2	0,30–0,50	1,0–7,0	●															
	WNMG080404-MS3	0,4	0,12–0,25	0,6–3,0							●	●		✖			●	●		✖
	WNMG080408-MS3	0,8	0,15–0,30	0,8–3,0		●				●	●	●		✖			●	●		✖
	WNMG060408-MU5	0,8	0,15–0,35	0,6–3,0		●				●			●						●	
	WNMG080404-MU5	0,4	0,15–0,30	0,5–4,0						●			●						●	
	WNMG080408-MU5	0,8	0,15–0,40	0,6–5,0	●					●			●						●	
	WNMG080412-MU5	1,2	0,20–0,50	1,0–5,0	●					●			●						●	
	WNMG060408-MW5	0,8	0,15–0,50	0,8–3,0	●										●					
	WNMG060412-MW5	1,2	0,20–0,60	1,5–3,0	●	●									●					
	WNMG080408-MW5	0,8	0,20–0,65	0,8–4,0	●					●					●	●				
Wiper	WNMG080412-MW5	1,2	0,25–0,70	1,5–4,0		●				●					●	●				
	WNMG060408-RM5	0,8	0,20–0,40	1,2–3,5						●			●	✖						✖
	WNMG080408-RM5	0,8	0,20–0,40	1,2–4,5						●		●	●	✖				●		✖
	WNMG080412-RM5	1,2	0,25–0,50	1,5–4,5						●		●	●	✖				●		✖

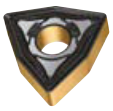
See the ISO 1832 designation key for dimensions

HC = Coated carbide
HE = Coated cermet

Negative Trigon 80°
WNMG
Tiger·tec® Gold



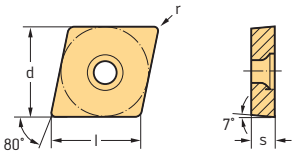
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M					K		S			
					HC				HE	HC					HC		HC			
					WPP10G	WPP20S	WPP30G	WPP30S	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S	WSM30S
	WNMG060408-RP5	0,8	0,20–0,40	0,8–4,0			✖	✖												
	WNMG060412-RP5	1,2	0,25–0,50	1,0–4,0	☻		✖													
	WNMG080408-RP5	0,8	0,20–0,40	0,8–6,0	☻		✖	✖							☻					
	WNMG080412-RP5	1,2	0,25–0,60	1,0–6,0	☻	☻	✖	✖							☻					
	WNMG080416-RP5	1,6	0,35–0,70	1,6–6,0	☻	☻		✖												
	WNMG100612-RP5	1,2	0,35–0,65	1,2–8,0	☻		✖	✖												
	WNMG100616-RP5	1,6	0,35–0,70	1,6–8,0	☻	☻	✖	✖												
	WNMG080408-RP7	0,8	0,18–0,40	0,8–5,0	☻	☻	✖	✖												
	WNMG080412-RP7	1,2	0,25–0,50	1,2–5,0	☻		✖	✖												
	WNMG100608-RP7	0,8	0,30–0,50	0,8–6,0		☻														
	WNMG100612-RP7	1,2	0,35–0,60	1,2–6,0	☻	☻														
	WNMG100616-RP7	1,6	0,40–0,60	1,5–6,0			✖													

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HE = Coated cermet

Positive rhombic 80°
CCGT



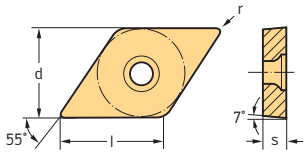
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	CCGT060201-FN2	6,45	0,1	0,02–0,06	0,1–1,5		☹		
	CCGT060202-FN2	6,45	0,2	0,05–0,12	0,2–2,0		☹	☺	
	CCGT060204-FN2	6,45	0,4	0,08–0,25	0,2–2,5		☹	☺	
	CCGT09T301-FN2	9,67	0,1	0,02–0,06	0,1–1,5		☹		
	CCGT09T302-FN2	9,67	0,2	0,05–0,12	0,2–2,0		☹	☺	
	CCGT09T304-FN2	9,67	0,4	0,08–0,25	0,2–2,5		☹	☺	
	CCGT09T308-FN2	9,67	0,8	0,10–0,30	0,3–3,0		☹	☺	
	CCGT120404-FN2	12,9	0,4	0,08–0,25	0,2–3,0		☹	☺	
	CCGT120408-FN2	12,9	0,8	0,10–0,30	0,3–3,5		☹	☺	
	CCGT060201-MN2	6,45	0,1	0,02–0,06	0,5–1,5		☹	☺	
	CCGT060202-MN2	6,45	0,2	0,05–0,12	0,5–2,0	☺	☹	☺	☹
	CCGT060204-MN2	6,45	0,4	0,08–0,25	0,6–3,0	☺	☹	☺	☹
	CCGT09T301-MN2	9,67	0,1	0,02–0,06	0,5–1,5		☹	☺	
	CCGT09T302-MN2	9,67	0,2	0,05–0,12	0,5–2,0	☺	☹	☺	☹
	CCGT09T304-MN2	9,67	0,4	0,08–0,25	0,6–4,0	☺	☹	☺	☹
	CCGT09T308-MN2	9,67	0,8	0,10–0,35	0,8–4,0	☺	☹	☺	☹
	CCGT120402-MN2	12,9	0,2	0,05–0,12	0,5–2,0		☹	☺	
	CCGT120404-MN2	12,9	0,4	0,08–0,25	0,6–5,0		☹	☺	
	CCGT120408-MN2	12,9	0,8	0,10–0,35	0,8–5,0		☹	☺	

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Positive rhombic 55°
DCGT



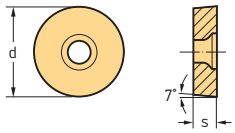
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	DCGT070201-FN2	7,75	0,1	0,02–0,06	0,1–1,5		☹		
	DCGT070202-FN2	7,75	0,2	0,05–0,12	0,2–2,0		☹	☺	
	DCGT070204-FN2	7,75	0,4	0,08–0,25	0,2–2,5		☹	☺	
	DCGT11T301-FN2	11,63	0,1	0,02–0,06	0,1–1,5		☹		
	DCGT11T302-FN2	11,63	0,2	0,05–0,12	0,2–2,0		☹	☺	
	DCGT11T304-FN2	11,63	0,4	0,08–0,25	0,2–2,5		☹	☺	
	DCGT11T308-FN2	11,63	0,8	0,10–0,30	0,3–3,0		☹	☺	
	DCGT070201-MN2	7,75	0,1	0,02–0,06	0,5–1,5		☹	☺	
	DCGT070202-MN2	7,75	0,2	0,05–0,12	0,5–2,0	☺	☹	☺	☹
	DCGT070204-MN2	7,75	0,4	0,08–0,25	0,6–2,5	☺	☹	☺	☹
	DCGT11T301-MN2	11,63	0,1	0,02–0,06	0,5–1,5		☹	☺	
	DCGT11T302-MN2	11,63	0,2	0,05–0,12	0,5–2,0	☺	☹	☺	☹
	DCGT11T304-MN2	11,63	0,4	0,08–0,25	0,6–3,0	☺	☹	☺	☹
	DCGT11T308-MN2	11,63	0,8	0,10–0,30	0,8–3,5	☺	☹	☺	☹

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Positive round
RCGT



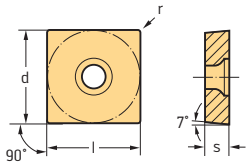
Indexable inserts

	Designation	d mm	f mm	a_p mm	N HC WNN10	N HW WN10
	RCGT0602M0-MN2	6	0,10–0,55	0,6–2,5	☹	☺
	RCGT0803M0-MN2	8	0,12–0,60	0,7–3,0	☹	☺
	RCGT10T3M0-MN2	10	0,15–0,70	0,8–4,0	☹	☺
	RCGT120400-MN2	12,7	0,18–0,80	1,0–5,0	☹	
	RCGT1204M0-MN2	12	0,18–0,80	1,0–5,0	☹	☺

See the ISO 1832 designation key for dimensions

HW = Uncoated carbide
HC = Coated carbide

Positive square
SCGT



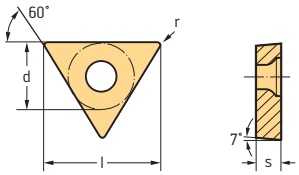
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	SCGT09T304-MN2	9,53	0,4	0,08–0,25	0,6–4,0	☺	☹	☺	☹
	SCGT09T308-MN2	9,53	0,8	0,10–0,35	0,7–4,0	☺	☹	☺	☹
	SCGT120408-MN2	12,7	0,8	0,10–0,40	0,8–6,0		☹	☺	

See the ISO 1832 designation key for dimensions

HW = Uncoated carbide
HC = Coated carbide

Positive triangular 60°
TCGT



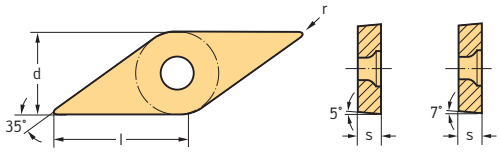
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	TCGT06T101-FN2	6,87	0,1	0,02–0,06	0,1–1,5		😐		
	TCGT06T102-FN2	6,87	0,2	0,05–0,12	0,2–2,0		😐		
	TCGT06T104-FN2	6,87	0,4	0,08–0,25	0,2–2,5		😐	☺	
	TCGT090202-FN2	9,62	0,2	0,05–0,12	0,2–2,0		😐		
	TCGT090204-FN2	9,62	0,4	0,08–0,25	0,2–2,5		😐	☺	
	TCGT110202-FN2	11	0,2	0,05–0,12	0,2–2,0		😐		
	TCGT110204-FN2	11	0,4	0,08–0,25	0,2–2,5		😐	☺	
	TCGT16T304-FN2	16,5	0,4	0,08–0,25	0,2–2,5		😐	☺	
	TCGT16T308-FN2	16,5	0,8	0,10–0,30	0,3–3,0		😐	☺	
	TCGT110201-MN2	11	0,1	0,02–0,06	0,5–1,5		😐		
	TCGT110202-MN2	11	0,2	0,05–0,12	0,6–2,0		😐	☺	
	TCGT110204-MN2	11	0,4	0,08–0,25	0,6–3,0	☺	😐	☺	😐
	TCGT16T302-MN2	16,5	0,2	0,05–0,12	0,5–2,0		😐	☺	
	TCGT16T304-MN2	16,5	0,4	0,08–0,25	0,6–4,0	☺	😐	☺	😐
	TCGT16T308-MN2	16,5	0,8	0,10–0,35	0,8–4,0	☺	😐	☺	😐

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Positive rhombic 35°
VCGT



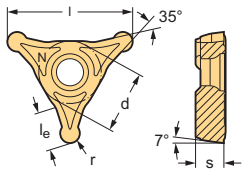
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	VCGT110301-FN2	11,07	0,1	0,02–0,06	0,1–1,5		😐		
	VCGT110302-FN2	11,07	0,2	0,05–0,12	0,2–2,0		😐	☺	
	VCGT110304-FN2	11,07	0,4	0,08–0,25	0,2–2,5		😐	☺	
	VCGT160402-FN2	16,61	0,2	0,05–0,12	0,2–2,0		😐	☺	
	VCGT160404-FN2	16,61	0,4	0,08–0,25	0,2–2,5		😐	☺	
	VCGT160408-FN2	16,61	0,8	0,10–0,30	0,3–3,0		😐	☺	
	VCGT110301-MN2	11,07	0,1	0,02–0,06	0,5–1,5		😐	☺	
	VCGT110302-MN2	11,07	0,2	0,05–0,12	0,5–2,0		😐	☺	
	VCGT110304-MN2	11,07	0,4	0,08–0,25	0,6–2,5		😐	☺	
	VCGT110308-MN2	11,07	0,8	0,10–0,35	0,8–3,0		😐	☺	
	VCGT130301-MN2	13,1	0,1	0,02–0,06	0,5–1,5		😐		
	VCGT130302-MN2	13,1	0,2	0,05–0,12	0,5–2,0		😐	☺	
	VCGT130304-MN2	13,1	0,4	0,08–0,25	0,6–3,0		😐	☺	
	VCGT160404-MN2	16,61	0,4	0,08–0,25	0,6–3,5	☺	😐	☺	😐
	VCGT160408-MN2	16,61	0,8	0,10–0,35	0,8–3,5	☺	😐	☺	😐
	VCGT160412-MN2	16,61	1,2	0,10–0,45	1,0–3,5		😐	☺	

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

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

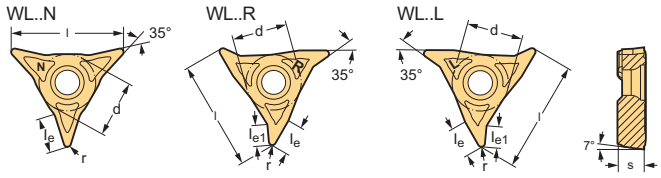


Indexable inserts

	Designation	r mm	l mm	l_e mm	f mm	a_p mm	P HC WPP20S	M HC WSM20S	M HC WSM30S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	25	7,2	0,12–0,40	0,5–2,0	●	●	✕	●	✕
	WL25-RC0525N-MU6	2,5	25	6,9	0,12–0,45	0,5–2,5	●	●	✕	●	✕

HC = Coated carbide

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



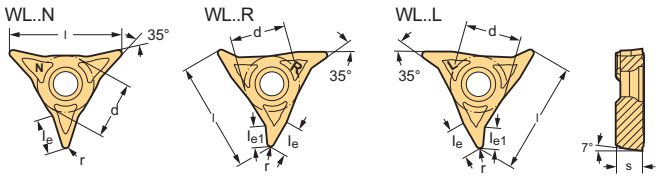
Indexable inserts

	Designation	r mm	l mm	l_e mm	l_{e1} mm	f mm	a_p mm	P HC WPP20S	M HC WMP20S	M HC WSM10S	M HC WSM20S	S HC WSM10S	S HC WSM20S
	WL25-VC0704L-FM4	0,4	25	6,2	3,9	0,05–0,20	0,1–2,0			☺	●	☺	●
	WL25-VC0708L-FM4	0,8	25	6,6	4,6	0,08–0,25	0,2–2,0			☺	●	☺	●
	WL25-VC0704L-FP4	0,4	25	6,2	3,9	0,05–0,20	0,1–2,0	●					
	WL25-VC0708L-FP4	0,8	25	6,6	4,6	0,08–0,25	0,2–2,0	●					
	WL25-VC0704L-MM4	0,4	25	6,2	3,9	0,08–0,25	0,4–2,5		●		●		●
	WL25-VC0708L-MM4	0,8	25	6,6	4,6	0,12–0,32	0,5–2,5		●		●		●
	WL25-VC0704L-MP4	0,4	25	6,2	3,9	0,08–0,25	0,4–2,5	●					
	WL25-VC0708L-MP4	0,8	25	6,6	4,6	0,12–0,32	0,5–2,5	●					
	WL25-VC0702N-FM4	0,2	25	6		0,04–0,15	0,1–2,0			☺	●	☺	●
	WL25-VC0704N-FM4	0,4	25	6,3		0,05–0,20	0,1–2,0			☺	●	☺	●
	WL25-VC0708N-FM4	0,8	25	7,1		0,08–0,25	0,2–2,0			☺	●	☺	●
	WL25-VC0704N-FP4	0,4	25	6,3		0,05–0,20	0,1–2,0	●					
	WL25-VC0708N-FP4	0,8	25	7,1		0,08–0,25	0,2–2,0	●					

HC = Coated carbide

Indexable inserts copy turning system WL...-VC...

Tiger·tec® Gold

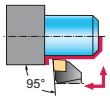
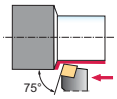


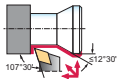
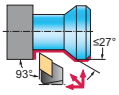
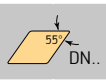
Indexable inserts

	Designation	r mm	l mm	l_e mm	l_{e1} mm	f mm	a_p mm	P HC WPP20S	M HC WMP20S	M HC WSM10S	M HC WSM20S	S HC WSM10S	S HC WSM20S
	WL25-VC0704N-MM4	0,4	25	6,3		0,08–0,25	0,4–2,5		☹	☺	☹	☺	☹
	WL25-VC0708N-MM4	0,8	25	7,1		0,12–0,32	0,5–2,5		☹	☺	☹	☺	☹
	WL25-VC0712N-MM4	1,2	25	7,4		0,12–0,35	0,5–2,5			☺	☹	☺	☹
	WL25-VC0716N-MM4	1,6	25	8,7		0,12–0,40	0,5–2,5			☺	☹	☺	☹
	WL25-VC0704N-MP4	0,4	25	6,3		0,08–0,25	0,4–2,5	☹					
	WL25-VC0708N-MP4	0,8	25	7,1		0,12–0,32	0,5–2,5	☹					
	WL25-VC0712N-MP4	1,2	25	7,4		0,12–0,35	0,5–2,5	☹					
	WL25-VC0716N-MP4	1,6	25	8,7		0,12–0,40	0,5–2,5	☹					
	WL25-VC0704R-FM4	0,4	25	6,2	3,9	0,05–0,20	0,1–2,0			☺	☹	☺	☹
	WL25-VC0708R-FM4	0,8	25	6,6	4,6	0,08–0,25	0,2–2,0			☺	☹	☺	☹
	WL25-VC0704R-FP4	0,4	25	6,2	3,9	0,05–0,20	0,1–2,0	☹					
	WL25-VC0708R-FP4	0,8	25	6,6	4,6	0,08–0,25	0,2–2,0	☹					
	WL25-VC0704R-MM4	0,4	25	6,2	3,9	0,08–0,25	0,4–2,5		☹		☹		☹
	WL25-VC0708R-MM4	0,8	25	6,6	4,6	0,12–0,32	0,5–2,5		☹		☹		☹
	WL25-VC0704R-MP4	0,4	25	6,2	3,9	0,08–0,25	0,4–2,5	☹					
	WL25-VC0708R-MP4	0,8	25	6,6	4,6	0,12–0,32	0,5–2,5	☹					

HC = Coated carbide

Square-shank turning toolholders – Negative basic shape

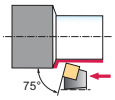
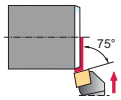
Machining				
Type				
				
Designation	**DCLN**	**DCLN...-P**	**PCLN**	**DCBN**
Approach angle	95°	95°	95°	75°
Clamping system	Claw	Claw	Lever-type	Claw
Coolant supply	External	Precision cooling	External	External
Shank size h [mm]	16–32	20–32	16–50	25–32
Shank size h [inch]	0,625–1,500	0,750–1,000		
Page in catalogue				
QR code				
www.walter-tools.com/woc/	DCLN	DCLN-P	PCLN	DCBN

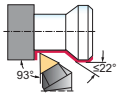
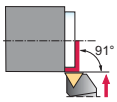
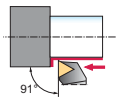
Machining				
Type				
				
Designation	**DDHN**	**DDQN**	**DDJN**	**DDJN...-P**
Approach angle	107,5°	107,5°	93°	93°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]	20–25		20–32	20–25
Shank size h [inch]		1,000–1,250	0,625–1,500	0,750–1,000
Page in catalogue				
QR code				
www.walter-tools.com/woc/	DDHN	DDQN	DDJN	DDJN-P

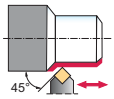
DCKN	DCRN	PCBN	PCKN	PCSN
75°	75°	75°	75°	45°
Claw	Claw	Lever-type	Lever-type	Lever-type
External	External	External	External	External
25–32		25–32	25	25
1,000–1,250	1,000–1,250			
DCKN	DCRN	PCBN	PCKN	PCSN

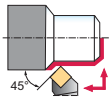
PDJN	DDNN	DDPN	DSBN	DSKN
93°	62,5°	62,5°	75°	75°
Lever-type	Claw	Claw	Claw	Claw
External	External	External	External	External
16–32	20–32		25–40	25–32
		0,750–1,250		1,000–1,250
PDJN	DDNN	DDPN	DSBN	DSKN

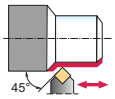
Square-shank turning toolholders – Negative basic shape

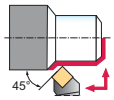
Machining				
Type				
				
Designation	**DSRN**	**DSBN...-P**	**PSBN**	**PSKN**
Approach angle	75°	75°	75°	75°
Clamping system	Claw	Claw	Lever-type	Lever-type
Coolant supply	External	Precision cooling	External	External
Shank size h [mm]		25	20–50	20–32
Shank size h [inch]	0,750–1,500			
Page in catalogue				
QR code				
www.walter-tools.com/woc/	DSRN	DSBN-P	PSBN	PSKN

Machining				
Type				
				
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]		0,750–1,000		0,750–1,000
Page in catalogue				
QR code				
www.walter-tools.com/woc/	MTJN	DTFN	DTGN	DTGN-P

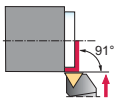


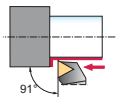


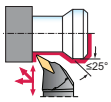


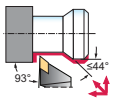


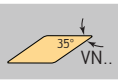
DSDN	DSSN	DSSN...-P	PSDN	PSSN
45°	45°	45°	45°	45°
Claw	Claw	Claw	Lever-type	Lever-type
External	External	Precision cooling	External	External
20–32	20–32	25	12–40	16–32
0,625–1,500	1,000–1,250			
DSDN	DSSN	DSSN-P	PSDN	PSSN





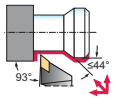
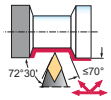
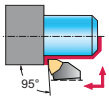
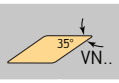


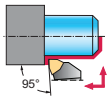




PTFN	PTGN	DVPN	DVTN	DVJN
91°	91°	117,5°	117,5°	93°
Lever-type	Lever-type	Claw	Claw	Claw
External	External	External	External	External
16–32	16–40	25–32		20–32
			0,750–1,250	0,750–1,250
PTFN	PTGN	DVPN	DVTN	DVJN

Square-shank turning toolholders – Negative basic shape

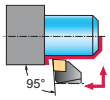
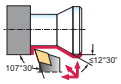
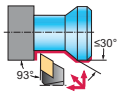
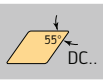
Machining				
Type				
				
Designation	**DVJN...-P**	**DVVN**	**DWLN**	**DWLN...-P**
Approach angle	93°	72,5°	95°	95°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	Precision cooling	External	External	Precision cooling
Shank size h [mm]	20–25	20–32	16–32	20–25
Shank size h [inch]	0,750–1,000	0,750–1,250	0,750–1,250	0,750–1,000
Page in catalogue				
QR code				
www.walter-tools.com/woc/	DVJN-P	DVVN	DWLN	DWLN-P

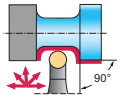
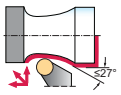
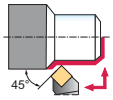
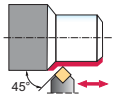


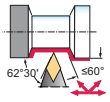
	PWLN
	95°
	Lever-type
	External
	16–32

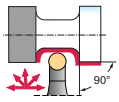
PWLN

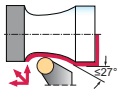
Square-shank turning toolholders – Positive basic shape

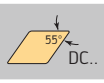
Machining				
Type				
				
Designation	SCLC	SDHC	SDJC	DDJC...-P
Approach angle	95°	107,5°	93°	93°
Clamping system	Screw	Screw	Screw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]	10–25	12–25	10–25	20–25
Shank size h [inch]	0,375–1,250		0,375–1,000	
Page in catalogue				
QR code				
www.walter-tools.com/woc/	SCLC	SDHC	SDJC	DDJC-P

Machining				
Type	 RC..			
				
Designation	PRDC	PRGC	SSDC	SSDCN
Approach angle	0°	0°	45°	45°
Clamping system	Lever-type	Lever-type	Screw	Screw
Coolant supply	External	External	External	External
Shank size h [mm]	20–50	20–40	16–25	12–25
Shank size h [inch]			0,375–0,750	
Page in catalogue				
QR code				
www.walter-tools.com/woc/	PRDC	PRGC	SSDC	SSDCN

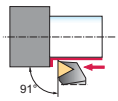


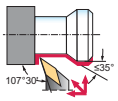


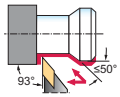


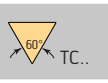


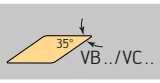
	SDNC	SRAC	SRDC	SRGC	SRSC
	62,5°	0°	0°	0°	0°
	Screw	Screw	Screw	Screw	Screw
	External	External	External	External	External
	10–25		12–32		20–32
		1,000–1,250	0,500–1,250	1,000	1,000
	SDNC	SRAC	SRDC	SRGC	SRSC





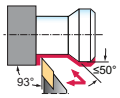
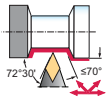
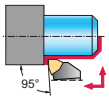
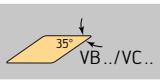






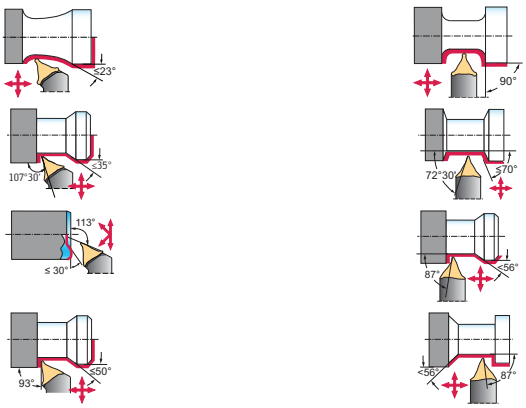
	STGC	SVHB	PVHB	SVJB	DVJB...-P
	91°	107,5°	107,5°	93°	93°
	Screw	Screw	Lever-type	Screw	Claw
	External	External	External	External	Precision cooling
	12–25	16–32	16–32	12–32	20–25
	0,375–1,000			0,500–1,000	
	STGC	SVHB	PVHB	SVJB	DVJB-P

Square-shank turning toolholders – Positive basic shape

Machining				
Type				
				
Designation	**PVJB**	**SVVB**	**PVVB**	**SWLC**
Approach angle	93°	72,5°	72,5°	95°
Clamping system	Lever-type	Screw	Lever-type	Screw
Coolant supply	External	External	External	External
Shank size h [mm]	16–32	12–32	20–32	12–25
Shank size h [inch]		0,750–1,000		
Page in catalogue				
QR code				
www.walter-tools.com/woc/	PVJB	SVVB	PVVB	SWLC

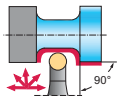
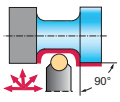
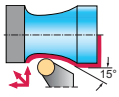
Square shank turning toolholders – WL copy turning system

Machining

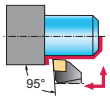
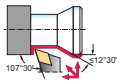
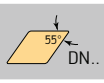


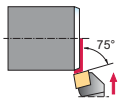
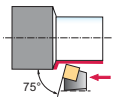
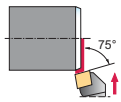
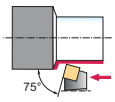
Type	WL..		
	NEW		NEW
			
Designation	**W1011**	**W1011...-P**	**W1010...-P**
Approach angle	107,5°	107,5°	72,5°
Clamping system	Screw	Screw	Screw
Coolant supply	External	Precision cooling	Precision cooling
Shank size h [mm]	16–25	20–25	20–25
Shank size h [inch]		0,750–1,000	0,750–1,000
Insert size l [mm]	25	25	25
Page in catalogue			
QR code			
www.walter-tools.com/woc/	W1011	W1011-P	W1010-P

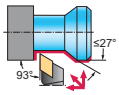
Square-shank turning toolholders – Ceramic indexable inserts

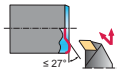
Machining				
Type	RC../RP..	RN..		
				
Designation	**CRDC**	**CRDN**	**CRSN**	**CRSN...-P**
Approach angle	0°	0°	0°	0°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]	32	25–32	25–32	25
Shank size h [inch]				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	CRDC	CRDN	CRSN	CRSN-P

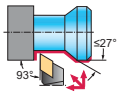
Walter Capto™ turning toolholders – Negative basic shape

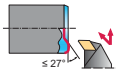
Machining				
Type				
				
Designation	**C...-DCLN**	**C...-DCLN...-P**	**C...-PCLN**	**C...-DDHN...-P**
Approach angle	95°	95°	95°	107,5°
Clamping system	Claw	Claw	Lever-type	Claw
Coolant supply	Internal	Precision cooling	Internal	Precision cooling
Shank size h [mm]	C4–C8	C4–C8	C3–C8	C6
Shank size h [inch]				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	C-DCLN	C-DCLN-P	C-PCLN	C-DDHN-P

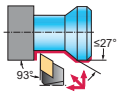
Machining				
Type				
				
Designation	**C...-DSKN**	**C...-DSRN**	**C...-PSKN**	**C...-PSRN**
Approach angle	75°	75°	75°	75°
Clamping system	Claw	Claw	Lever-type	Lever-type
Coolant supply	Internal	Internal	Internal	Internal
Shank size h [mm]	C4–C8	C4–C8	C6–C8	C6–C8
Shank size h [inch]				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	C-DSKN	C-DSRN	C-PSKN	C-PSRN

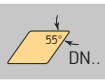




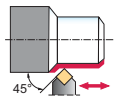


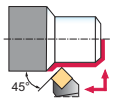


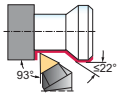


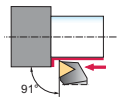


C...-DDJN	C...-DDUN	C...-DDJN...-P	C...-DDUN...-P	C...-PDJN
93°	93°	93°	93°	93°
Claw	Claw	Claw	Claw	Lever-type
Internal	Internal	Precision cooling	Precision cooling	Internal
C4–C8	C4–C8	C4–C8	C6	C3–C6
C-DDJN	C-DDUN	C-DDJN-P	C-DDUN-P	C-PDJN



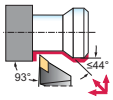
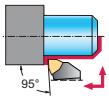
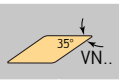


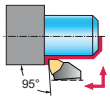




C...-DSDN	C...-DSSN	C...-PSSN	C...-MTJN	C...-DTGN...-P
45°	45°	45°	93°	91°
Claw	Claw	Lever-type	Claw	Claw
Internal	Internal	Internal	Internal	Precision cooling
C4–C8	C4–C6	C6	C4–C6	C4
C-DSDN	C-DSSN	C-PSSN	C-MTJN	C-DTGN-P

Walter Capto™ turning toolholders – Negative basic shape

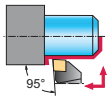
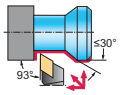
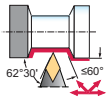
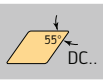
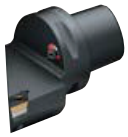
Machining					
Type					
					
Designation	**C...-DVJN**	**C...-DVJN...-P**	**C...-DWLN**	**C...-DWLN...-P**	
Approach angle	93°	93°	95°	95°	
Clamping system	Claw	Claw	Claw	Claw	
Coolant supply	Internal	Precision cooling	Internal	Precision cooling	
Shank size h [mm]	C4–C8	C4–C6	C4–C6	C4–C6	
Shank size h [inch]					
Page in catalogue					
QR code					
www.walter-tools.com/woc/	C-DVJN	C-DVJN-P	C-DWLN	C-DWLN-P	

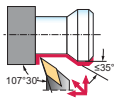
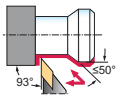
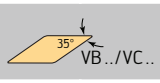


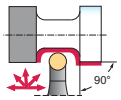
	C...-PWLN
	95°
	Lever-type
	Internal
	C3–C6

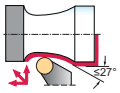
C-PWLN

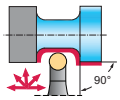
Walter Capto™ turning toolholders – Positive basic shape

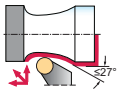
Machining				
Type				
				
Designation	C...-SCLC	C...-SDJC	C...-DDJC...-P	C...-SDNC
Approach angle	95°	93°	93°	62,5°
Clamping system	Screw	Screw	Claw	Screw
Coolant supply	Internal	Internal	Precision cooling	Internal
Shank size h [mm]	C3–C6	C3–C6	C4–C5	C3–C5
Shank size h [inch]				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	C-SCLC	C-SDJC	C-DDJC-P	C-SDNC

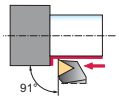
Machining				
Type				
				
Designation	C...-SVHB	C...-PVHB	C...-SVJB	C...-DVJB...-P
Approach angle	107,5°	107,5°	93°	93°
Clamping system	Screw	Lever-type	Screw	Claw
Coolant supply	Internal	Internal	Internal	Precision cooling
Shank size h [mm]	C3–C6	C4–C6	C3–C6	C4–C8
Shank size h [inch]				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	C-SVHB	C-PVHB	C-SVJB	C-DVJB-P



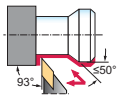


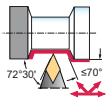


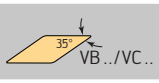




C...-SRDC	C...-SRSC	C...-PRDC	C...-PRSC	C...-STGC
0°	0°	0°	0°	91°
Screw	Screw	Lever-type	Lever-type	Screw
Internal	Internal	Internal	Internal	Internal
C3–C6	C4–C6	C5–C6	C5–C8	C4–C5
C-SRDC	C-SRSC	C-PRDC	C-PRSC	C-STGC

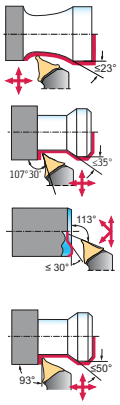




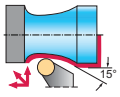


C...-PVJB	C...-SVVB	C...-PVVB
93°	72,5°	72,5°
Lever-type	Screw	Lever-type
Internal	Internal	Internal
C4–C6	C3–C6	C4–C6
C-PVJB	C-SVVB	C-PVVB

Walter Capto™ turning toolholders – WL copy turning

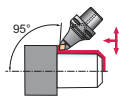
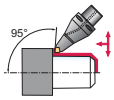
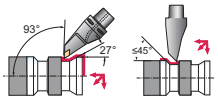
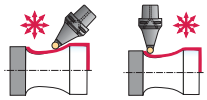
Machining	
Type	WL . .
	NEW 
Designation	**W1011-C...-P**
Approach angle	107,5°
Clamping system	Screw
Coolant supply	Precision cooling
Shank size h [mm]	C4–C6
Shank size h [inch]	
Insert size l [mm]	25
Page in catalogue	
QR code	
www.walter-tools.com/woc/	W1011-C-P

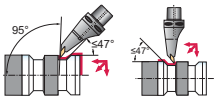
Walter Capto™ turning toolholders – Ceramic indexable inserts

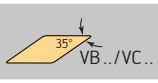
Machining	
Type	RN..

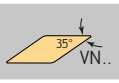
Designation	**C...-CRSN...-P**
Approach angle	95°
Clamping system	Claw
Coolant supply	Precision cooling
Shank size h [mm]	C6
Shank size h [inch]	
Page in catalogue	
QR code	
www.walter-tools.com/woc/	C-CRSN-P

Walter Capto™ turning toolholders – Turning and milling centres

Machining					
Type				 RC..	
					
Designation	C...-SCMC	C...-DCMN	C...-DDMN	C...-SRDC	
Approach angle	95°	95°	93°	0°	
Clamping system	Screw	Claw	Claw	Screw	
Coolant supply	Internal	Internal	Internal	Internal	
Shank size h [mm]	C6	C5–C8	C5–C8	C6	
Shank size h [inch]					
Page in catalogue					
QR code					
www.walter-tools.com/woc/	C-SCMC	C-DCMN	C-DDMN	C-SRDC	

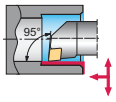
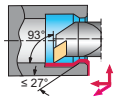
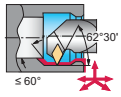
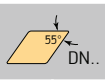


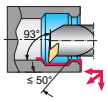
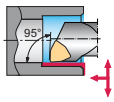
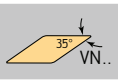


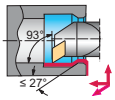
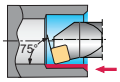
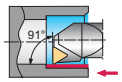
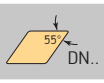


	C...-SVMB	C...-DVMN
	95°	95°
	Screw	Claw
	Internal	Internal
	C5–C6	C8
	C-SVMB	C-DVMN

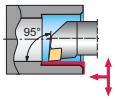
Boring bars – Negative basic shape

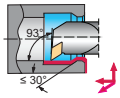
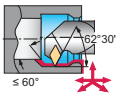
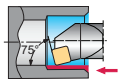
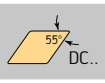
Machining				
Type				
				
Designation	A...-DCLN	A...-PCLN	A...-DDUN	A...-DDXN
Approach angle	95°	95°	93°	93°
Clamping system	Claw	Lever-type	Claw	Claw
Coolant supply	Internal	Internal	Internal	Internal
Shank size h [mm]		15–37	23–47	30–37
Shank size h [inch]	0,709–1,874		0,709–1,874	
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A-DCLN	A-PCLN	A-DDUN	A-DDXN

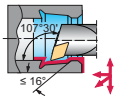
Machining			
Type			
			
Designation	A...-DVUN	A...-DWLN	A...-PWLN
Approach angle	93°	95°	95°
Clamping system	Claw	Claw	Lever-type
Coolant supply	Internal	Internal	Internal
Shank size h [mm]	37	23–47	18–30
Shank size h [inch]	1,181–1,374	0,906–1,874	
Page in catalogue			
QR code			
www.walter-tools.com/woc/	A-DVUN	A-DWLN	A-PWLN

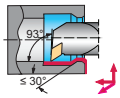
				
				
				
A...-PDUN	**A...-DSKN**	**A...-PSKN**	**A...-DTFN**	**A...-PTFN**
93°	75°	75°	91°	91°
Lever-type	Claw	Lever-type	Claw	Lever-type
Internal	Internal	Internal	Internal	Internal
23–37	23–37	23–37	23–47	15–30
			0,709–1,874	
A-PDUN	A-DSKN	A-PSKN	A-DTFN	A-PTFN

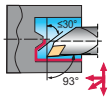
Boring bars – Positive basic shape

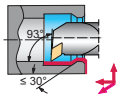
Machining				
Type				
				
Designation	A...-SCLC	A...-SCLC...-R	A...-SCLP / E...-SCLP	E...-SCLC
Approach angle	95°	95°	95°	95°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	Internal	Internal	Internal	Internal
Shank size h [mm]	7–30	8–20		
Shank size h [inch]	0,336–1,181		0,272–0,906	0,359–0,984
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A-SCLC	A-SCLC-R	A-SCLP-E-SCLP	E-SCLC

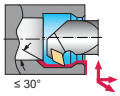
Machining				
Type				
				
Designation	E...-SDUC	E...-SDUC...-R	A...-SDXC...	A...-SSKC
Approach angle	93°	93°	62,5°	75°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	Internal	Internal	Internal	Internal
Shank size h [mm]		10–25	11–23	15–23
Shank size h [inch]	0,039			
Page in catalogue				
QR code				
www.walter-tools.com/woc/	E-SDUC	E-SDUC-R	A-SDXC	A-SSKC

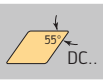




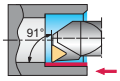


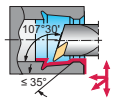


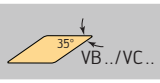




A...-SDQC	A...-SDUC...-R	A...-SDJC	A...-SDUC	A...-SDUC...-X
107,5°	93°	93°	93°	93°
Screw	Screw	Screw	Screw	Screw
Internal	Internal	Internal	Internal	Internal
11–23	10–20	15–23	9–30	15–30
			0,336–0,906	0,906–1,181
A-SDQC	A-SDUC-R	A-SDJC	A-SDUC	A-SDUC-X

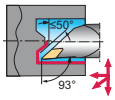
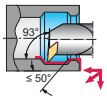
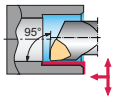
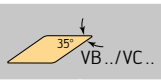




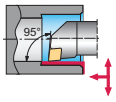
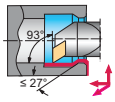
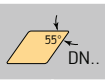


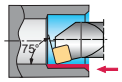
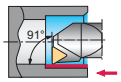
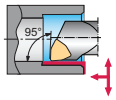
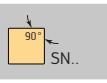
A...-STFC	A...-STFC...-R	E...-STFC	E...-STFC...-R	A...-SVQB
91°	91°	91°	91°	107,5°
Screw	Screw	Screw	Screw	Screw
Internal	Internal	Internal	Internal	Internal
5–30	6–16		6–25	15–37
0,336–1,181		0,359–0,984		
A-STFC	A-STFC-R	E-STFC	E-STFC-R	A-SVQB

Boring bars – Positive basic shape

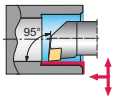
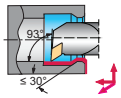
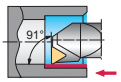
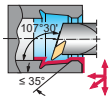
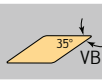
Machining			
Type			
			
Designation	A...-SVJB	A...-SVUB	A...-SWLC
Approach angle	93°	93°	95°
Clamping system	Screw	Screw	Screw
Coolant supply	Internal	Internal	Internal
Shank size h [mm]	15–18	15–37	9–30
Shank size h [inch]		0,709–1,374	0,336–0,906
Page in catalogue			
QR code			
www.walter-tools.com/woc/	A-SVJB	A-SVUB	A-SWLC

Walter Capto™ boring bars – Negative basic shape

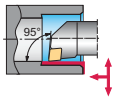
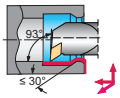
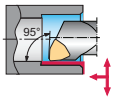
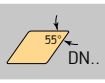
Machining				
Type				
				
Designation	**C...-DCLN**	**C...-PCLN**	**C...-DDUN**	**C...-PDUN**
Approach angle	95°	95°	93°	93°
Clamping system	Claw	Lever-type	Claw	Lever-type
Coolant supply	Internal	Internal	Internal	Internal
Shank size h [mm]	C4–C6	C3–C6	C4–C6	C3–C6
Shank size h [inch]				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	C-DCLN	C-PCLN	C-DDUN	C-PDUN

			
			
			
C...-PSKN	**C...-PTFN**	**C...-DWLN**	**C...-PWLN**
75°	91°	95°	95°
Lever-type	Lever-type	Claw	Lever-type
Internal	Internal	Internal	Internal
C5–C6	C4–C6	C4–C6	C3–C6
C-PSKN	C-PTFN	C-DWLN	C-PWLN

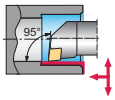
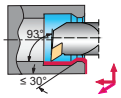
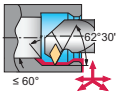
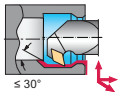
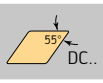
Walter Capto™ boring bars – Positive basic shape

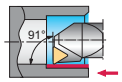
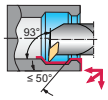
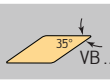
Machining				
Type				
				
Designation	**C...-SCLC**	**C...-SDUC**	**C...-STFC**	**C...-SVQB**
Approach angle	95°	93°	91°	107,5°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	Internal	Internal	Internal	Internal
Shank size h [mm]	C3–C5	C3–C5	C4–C5	C3–C6
Shank size h [inch]				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	C-SCLC	C-SDUC	C-STFC	C-SVQB

QuadFit exchangeable head – Negative basic shape

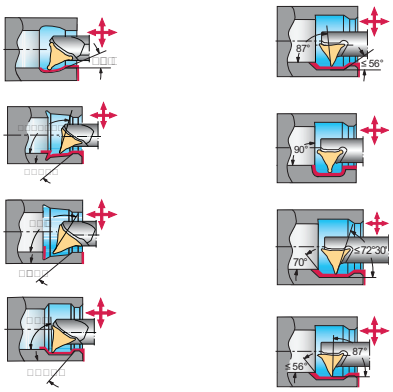
Machining			
Type			
			
Designation	Q...-DCLN	Q...-DDUN	Q...-DWLN
Approach angle	95°	93°	95°
Clamping system	Claw	Claw	Claw
Coolant supply	Internal	Internal	Internal
Shank size h [mm]	Q32–Q50	Q32–Q50	Q32–Q50
Shank size h [inch]			
Page in catalogue			
QR code			
www.walter-tools.com/woc/	Q-DCLN	Q-DDUN	Q-DWLN

QuadFit exchangeable head – Positive basic shape

Machining					
Type					
					
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	Internal	Internal	Internal	Internal	
Shank size h [mm]	Q25–Q50	Q25–Q50	Q25–Q50	Q25–Q50	
Shank size h [inch]					
Page in catalogue					
QR code					
www.walter-tools.com/woc/	Q-SCLC	Q-SDUC	Q-SDXC	Q-SDUC-X	

		
	 TC..	 VB../VC..
		
	Q...-STFC	**Q...-SVUB**
	91°	93°
	Screw	Screw
	Internal	Internal
	Q25–Q50	Q25–Q50
	Q-STFC	Q-SVUB

Boring bar – WL copy turning system

Machining		
Type	 WL . .	
	Selection	Selection
		
Designation	**W1211**	**W1210**
Approach angle	107,5°	72,5°
Clamping system	Screw	Screw
Coolant supply	Precision cooling	Precision cooling
Shank size h [mm]	23–37	23–37
Shank size h [inch]		
Insert size l [mm]	25	25
Page in catalogue	**76**	**74**
QR code		
www.walter-tools.com/woc/	W1211	W1210

Accure·tec vibration-damped boring bar adaptor

NEW

				
Designation	**A3000**	**A3000-C**	**A3000-HSK-T**	**A3001**
Machine-side	Parallel shank with clamping surface	Walter Capto in accordance with ISO 26623	HSK DIN 69893-7	QuadFit
Tool-side	Q25 / Q32 / Q40 / Q50	Q25 / Q32 / Q40 / Q50	Q25 / Q32 / Q40 / Q50	QL100 / QL60 / QL64 / QL74 / QL80
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A3000	A3000-C	A3000-HSK-T	A3001

	NEW	NEW
		
	A3001-C	**A3001-HSK-T**
	QuadFit	QuadFit
	QL60 / QL80	QL60 / QL80
	A3001-C	A3001-HSK-T

Designation key for Walter Turn system tools – Internal machining

Example:

W	1	2	1	1	–	2	5	T	R	–	W	L	2	5
1	2	3	4			5		6	7		8			

1 – Tool group

W	Walter Turning

2 – Generation

1	Walter Lock

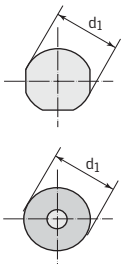
3 – Application

0	External machining
2	Internal machining

4 – Tool type

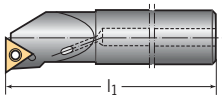
10	0° angle (72.5°)
11	35° angle (107°)

5 – Diameter



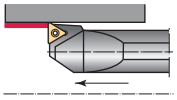
25 Height 25 mm

6 – Turning toolholder length

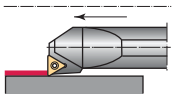


T = l_1 = 300 mm
(as described in standard DIN 8024)

7 – Version



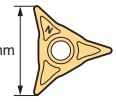
L Left-hand



R Right-hand

8 – Indexable insert type

WL25 25 mm

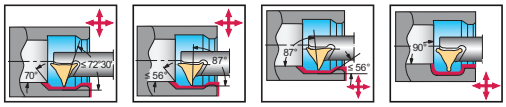


Boring bar – Copy turning system

W1210 mm

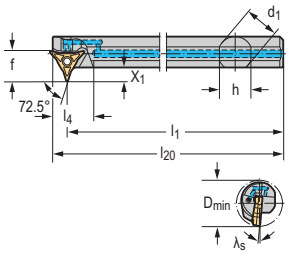
Walter Turn

– Double internal coolant supply
– Additional coolant hole for blind hole machining



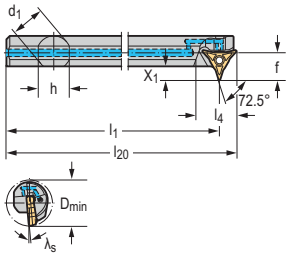
Tool

Designation		D_{min} mm	d_1 mm	f mm	l_1 mm	l_4 mm	l_{20} mm	X_1 mm	γ	$λ_s$	Type
W1210-25TR-WL25	25	34	25	20	300	30	310	10	-1,5°	-4,8°	WL25..
W1210-32TR-WL25	25	44	32	27	300	31	310	13,5	-1,5°	-4,8°	
W1210-40TR-WL25	25	52	40	31	300	35	310	13,5	-1,5°	-4,8°	



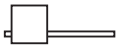
Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	l_1 mm	l_4 mm	l_{20} mm	X_1 mm	γ	$λ_s$	Type
W1210-25TL-WL25	25	34	25	20	300	30	310	10	-1,5°	-4,8°	WL25..
W1210-32TL-WL25	25	44	32	27	300	31	310	13,5	-1,5°	-4,8°	
W1210-40TL-WL25	25	52	40	31	300	35	310	13,5	-1,5°	-4,8°	



Parallel shank with clamping surface

The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery

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 D_{min} [mm]	WL25..	WL25..	WL25..
	Coolant sealing adapter	CN3000-25-8.5	CN3000-32-8.5	CN3000-40-11.5

Indexable inserts

	Designation	r mm	l_e mm	f mm	a_p mm	P				M				K		S			
							HC				HC				HC		HC		
						WPP10G	WPP20S	WSM20S	WSM30S	WMP20S	WSM10S	WSM20S	WSM30S	WPP20G	WPP20S	WMP20S	WSM10S	WSM20S	WSM30S
	WL25-RC0420N-MU6	2	7,2	0,12–0,40	0,5–2,0		☺	☺	☹			☺	☹	☹	☹			☺	☹
	WL25-RC0525N-MU6	2,5	6,9	0,12–0,45	0,5–2,5		☺	☺	☹			☺	☹	☹	☹			☺	☹
	WL25-VC0702N-FM4	0,2	6	0,04–0,15	0,1–2,0						☻	☺					☻	☺	
	WL25-VC0704N-FM4	0,4	6,3	0,05–0,20	0,1–2,0						☻	☺					☻	☺	
	WL25-VC0704N-FP4	0,4	6,3	0,05–0,20	0,1–2,0	☻	☺												
	WL25-VC0704N-MM4	0,4	6,3	0,08–0,25	0,4–2,5					☺	☻	☺				☺	☻	☺	
	WL25-VC0704N-MP4	0,4	6,3	0,08–0,25	0,4–2,5	☻	☺												
	WL25-VC0708N-FM4	0,8	7,1	0,08–0,25	0,2–2,0						☻	☺					☻	☺	
	WL25-VC0708N-FP4	0,8	7,1	0,08–0,25	0,2–2,0	☻	☺												
	WL25-VC0708N-MM4	0,8	7,1	0,12–0,32	0,5–2,5					☺	☻	☺				☺	☻	☺	
	WL25-VC0708N-MP4	0,8	7,1	0,12–0,32	0,5–2,5	☻	☺												
	WL25-VC0712N-MM4	1,2	7,4	0,12–0,35	0,5–2,5						☻	☺					☻	☺	
	WL25-VC0712N-MP4	1,2	7,4	0,12–0,35	0,5–2,5	☻	☺												
	WL25-VC0716N-MM4	1,6	8,7	0,12–0,40	0,5–2,5						☻	☺					☻	☺	
	WL25-VC0716N-MP4	1,6	8,7	0,12–0,40	0,5–2,5	☻	☺												
	WL25-VC0704L-FM4	0,4	6,2	0,05–0,20	0,1–2,0						☻	☺					☻	☺	
	WL25-VC0704L-FP4	0,4	6,2	0,05–0,20	0,1–2,0	☻	☺												
	WL25-VC0704L-MM4	0,4	6,2	0,08–0,25	0,4–2,5					☺		☺				☺		☺	
	WL25-VC0704L-MP4	0,4	6,2	0,08–0,25	0,4–2,5	☻	☺												
	WL25-VC0708L-FM4	0,8	6,6	0,08–0,25	0,2–2,0						☻	☺					☻	☺	
	WL25-VC0708L-FP4	0,8	6,6	0,08–0,25	0,2–2,0	☻	☺												
	WL25-VC0708L-MM4	0,8	6,6	0,12–0,32	0,5–2,5					☺		☺				☺		☺	
	WL25-VC0708L-MP4	0,8	6,6	0,12–0,32	0,5–2,5	☻	☺												
	WL25-VC0704R-FM4	0,4	6,2	0,05–0,20	0,1–2,0						☻	☺					☻	☺	
	WL25-VC0704R-FP4	0,4	6,2	0,05–0,20	0,1–2,0	☻	☺												
	WL25-VC0704R-MM4	0,4	6,2	0,08–0,25	0,4–2,5					☺		☺				☺		☺	
	WL25-VC0704R-MP4	0,4	6,2	0,08–0,25	0,4–2,5	☻	☺												
	WL25-VC0708R-FM4	0,8	6,6	0,08–0,25	0,2–2,0						☻	☺					☻	☺	
	WL25-VC0708R-FP4	0,8	6,6	0,08–0,25	0,2–2,0	☻	☺												
	WL25-VC0708R-MM4	0,8	6,6	0,12–0,32	0,5–2,5					☺		☺				☺		☺	
	WL25-VC0708R-MP4	0,8	6,6	0,12–0,32	0,5–2,5	☻	☺												

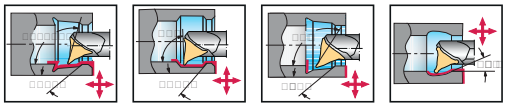
HC = Coated carbide

Boring bar – Copy turning system

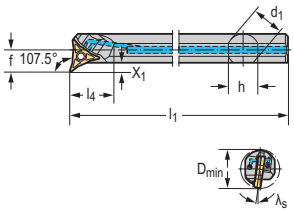
W1211 mm

Walter Turn

– Double internal coolant supply
– Additional coolant hole for blind hole machining

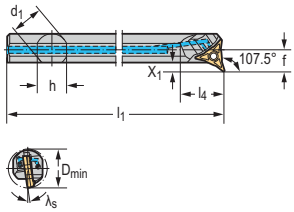


Tool



Parallel shank with clamping surface

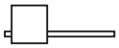
Designation		D_{min} mm	d_1 mm	f mm	l_1 mm	l_4 mm	X_1 mm	γ	$λ_s$	Type
W1211-25TR-WL25	25	32	25	17	300	35	7	-1,3°	-7,5°	WL25..
W1211-32TR-WL25	25	40	32	23	300	45	9,5	-1,3°	-7,5°	
W1211-40TR-WL25	25	50	40	27,5	300	54	10	-1,3°	-7,5°	



Parallel shank with clamping surface

Designation		D_{min} mm	d_1 mm	f mm	l_1 mm	l_4 mm	X_1 mm	γ	$λ_s$	Type
W1211-25TL-WL25	25	32	25	17	300	35	7	-1,3°	-7,5°	WL25..
W1211-32TL-WL25	25	40	32	23	300	45	9,5	-1,3°	-7,5°	
W1211-40TL-WL25	25	50	40	27,5	300	54	10	-1,3°	-7,5°	

The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery

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 D_{min} [mm]	WL25..	WL25..	WL25..
	Coolant sealing adapter	CN3000-25-8.5	CN3000-32-8.5	CN3000-40-11.5

Indexable inserts

	Designation	r mm	l_e mm	f mm	a_p mm	P HC WPP10G	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	0,5–2,0		😐	😐	☠			😐	☠	☠	☠			😐	☠
	WL25-RC0525N-MU6	2,5	6,9	0,12–0,45	0,5–2,5		😐	😐	☠			😐	☠	☠	☠			😐	☠
	WL25-VC0702N-FM4	0,2	6	0,04–0,15	0,1–2,0						☺	😐					☺	😐	
	WL25-VC0704N-FM4	0,4	6,3	0,05–0,20	0,1–2,0						☺	😐					☺	😐	
	WL25-VC0704N-FP4	0,4	6,3	0,05–0,20	0,1–2,0	☺	😐												
	WL25-VC0704N-MM4	0,4	6,3	0,08–0,25	0,4–2,5					😐	☺	😐				😐	☺	😐	
	WL25-VC0704N-MP4	0,4	6,3	0,08–0,25	0,4–2,5	☺	😐												
	WL25-VC0708N-FM4	0,8	7,1	0,08–0,25	0,2–2,0						☺	😐					☺	😐	
	WL25-VC0708N-FP4	0,8	7,1	0,08–0,25	0,2–2,0	☺	😐												
	WL25-VC0708N-MM4	0,8	7,1	0,12–0,32	0,5–2,5					😐	☺	😐				😐	☺	😐	
	WL25-VC0708N-MP4	0,8	7,1	0,12–0,32	0,5–2,5	☺	😐												
	WL25-VC0712N-MM4	1,2	7,4	0,12–0,35	0,5–2,5						☺	😐					☺	😐	
	WL25-VC0712N-MP4	1,2	7,4	0,12–0,35	0,5–2,5	☺	😐												
	WL25-VC0716N-MM4	1,6	8,7	0,12–0,40	0,5–2,5						☺	😐					☺	😐	
	WL25-VC0716N-MP4	1,6	8,7	0,12–0,40	0,5–2,5	☺	😐												
	WL25-VC0704L-FM4	0,4	6,2	0,05–0,20	0,1–2,0						☺	😐					☺	😐	
	WL25-VC0704L-FP4	0,4	6,2	0,05–0,20	0,1–2,0	☺	😐												
	WL25-VC0704L-MM4	0,4	6,2	0,08–0,25	0,4–2,5					😐		😐				😐		😐	
	WL25-VC0704L-MP4	0,4	6,2	0,08–0,25	0,4–2,5	☺	😐												
	WL25-VC0708L-FM4	0,8	6,6	0,08–0,25	0,2–2,0						☺	😐					☺	😐	
	WL25-VC0708L-FP4	0,8	6,6	0,08–0,25	0,2–2,0	☺	😐												
	WL25-VC0708L-MM4	0,8	6,6	0,12–0,32	0,5–2,5					😐		😐				😐		😐	
	WL25-VC0708L-MP4	0,8	6,6	0,12–0,32	0,5–2,5	☺	😐												
	WL25-VC0704R-FM4	0,4	6,2	0,05–0,20	0,1–2,0						☺	😐					☺	😐	
	WL25-VC0704R-FP4	0,4	6,2	0,05–0,20	0,1–2,0	☺	😐												
	WL25-VC0704R-MM4	0,4	6,2	0,08–0,25	0,4–2,5					😐		😐				😐		😐	
	WL25-VC0704R-MP4	0,4	6,2	0,08–0,25	0,4–2,5	☺	😐												
	WL25-VC0708R-FM4	0,8	6,6	0,08–0,25	0,2–2,0						☺	😐					☺	😐	
	WL25-VC0708R-FP4	0,8	6,6	0,08–0,25	0,2–2,0	☺	😐												
	WL25-VC0708R-MM4	0,8	6,6	0,12–0,32	0,5–2,5					😐		😐				😐		😐	
	WL25-VC0708R-MP4	0,8	6,6	0,12–0,32	0,5–2,5	☺	😐												

HC = Coated carbide

A2

Cutting inserts

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	
a_p [mm]					
f [mm]	0,02–0,28	0,02–0,15	0,05–0,12	0,04–0,25	
Page in catalogue					
QR code					
www.walter-tools.com/woc/	CF5	GD8	VG8	RF5	A60

Machining	Medium feed	Low feed		Medium feed	High feed
	NEW	Selection	Selection	NEW	NEW
					
Geometry	**GD6**	**UF8**	**UF7**	**UF4**	**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	1,6–4,25	2,0–4,0	2,0–4,0	4,0
a_p [mm]		0,3–2,2	0,3–2,2	0,3–2,8	0,5–2,8
f [mm]	0,04–0,25	0,05–0,30	0,05–0,30	0,10–0,33	0,10–0,33
Page in catalogue	**84**	**86**	**86**	**86**	**86**
QR code					
www.walter-tools.com/woc/	GD6	UF8	UF7	UF4	UF4

		Low feed		Medium feed	High feed	Low feed
		Selection	Selection	NEW	NEW	NEW
						
	AG60	CK8	CF6	CF5	CE4	GD3
	●●		●●	●●	●●	●●
	●●	●	●●	●●	●	●●
	●			●	●●	●
	●	●●	●●	●●	●	●
	●●	●	●●	●●	●	●
					●	
			●	●		●
		1,5–2,0	1,0–3,0	1,0–3,0	1,2–3,0	2,0–4,0
		0,04–0,12	0,03–0,23	0,03–0,23	0,03–0,33	0,04–0,23
		84	84	84	84	84
	AG60	CK8	CF6	CF5	CE4	GD3

	High feed		Low feed			
	NEW	NEW	NEW	Selection		
						
	UD4	UA4	RF7	RD4	CK8	CF6
	●●		●●	●●		●●
	●		●●	●	●	●●
	●●	●●	●	●●		
			●		●●	●●
			●●	●	●	●●
		●				
						●
	2,0–4,0	2,0–4,0	2,0–4,0	2,0–3,0	2,0–4,0	1,5–3,0
	0,3–2,8	0,3–2,8	0,1–2,0	0,2–1,5		
	0,10–0,33	0,08–0,38	0,08–0,48	0,08–0,38	0,04–0,22	0,03–0,20
	86	86	87	87		
	UD4	UA4	RF7	RD4	CK8	CF6

A2

Cutting inserts

Machining	Medium feed	High feed	Low feed	Medium feed	
					
Geometry	**CF5**	**CE4**	**GD8**	**GD3**	**GD6**
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]	2,0–5,0	2,0–6,0	1,0–1,4	2,0–6,0	2,0–6,0
a_p [mm]					
f [mm]	0,03–0,25	0,04–0,40	0,05–0,10	0,04–0,28	0,04–0,30
Page in catalogue					
QR code					
www.walter-tools.com/woc/	CF5	CE4	GD8	GD3	GD6

Machining	High feed		Low feed		Medium feed
			NEW 		
Geometry	**UD4**	**UA4**	**VG7**	**RK8**	**RF8**
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]	2,0–8,0	2,0–6,0	2,8	6,0	2,0–8,0
a_p [mm]	0,3–4,0	0,3–3,5	0,2–2,5	0,1–4,0	0,1–4,0
f [mm]	0,10–0,40	0,08–0,40	0,05–0,25	0,10–0,60	0,05–0,60
Page in catalogue					
QR code					
www.walter-tools.com/woc/	UD4	UA4	VG7	RK8	RF8

	Medium feed	Low feed			Medium feed	
						NEW 
	F1	EM-1	TM-1	UF8	UD6	UF4
				●●	●	●●
				●●	●●	●●
				●		●●
	●●			●●	●	●
	●	●●		●●		●
			●●			
	2,0–6,0	3,0–6,0	3,0–6,0	1,6–8,0	2,0–6,0	2,0–8,0
		0,05–3,0	0,05–3,0	0,3–4,2	0,3–3,5	0,3–4,0
	0,04–0,28	0,10–0,30	0,02–0,15	0,05–0,40	0,06–0,35	0,10–0,55
	F1	EM-1	TM-1	UF8	UD6	UF4

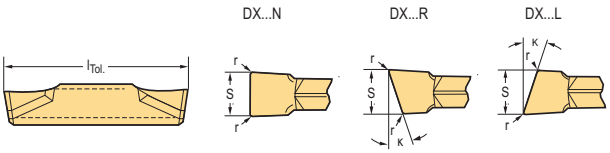
	Low feed	High feed	Medium feed	Low feed		Medium feed
						
	RF7	RD4	M1	CK8	CF6	CF5
	●●	●●			●●	●●
	●●	●		●	●●	●●
	●	●●				●
	●		●●	●●	●●	●●
	●●	●	●	●	●●	●●
					●	●
	3,0–5,0	2,0–8,0	2,0–8,0	2,0–5,0	2,0–3,0	1,5–6,0
	0,1–2,5	0,2–4,0	0,1–4,0			
	0,10–0,53	0,08–0,80	0,05–0,60	0,04–0,25	0,03–0,20	0,03–0,30
	RF7	RD4	M1	CK8	CF6	CF5

A2

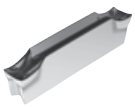
Cutting inserts

Machining	High feed	Low feed	Medium 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
a_p [mm]				0,9–4,0	
f [mm]	0,03–0,60	0,03–0,25	0,03–0,25	0,18–0,55	0,20–0,60
Page in catalogue					
QR code					
www.walter-tools.com/woc/	CE4	SK8	SF5	UF4	GD2

Grooving and parting off – cutting inserts
DX
Tiger·tec® Silver



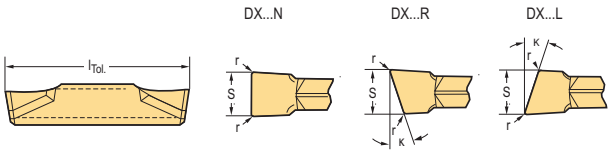
Cutting inserts

	Designation	s mm	r mm	κ	l mm	f mm	S_{Tol} mm	l_{Tol} mm	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	N HF WN13	S HC WSM23S	S HC WSM33S	S HC WSM43S	S HF WN13
	DX18-1E120N01-CE4	1,2	0,15		18	0,04–0,13	±0,05	±0,15			☺				☺		
	DX18-1E150N01-CE4	1,5	0,15		18	0,03–0,12	±0,05	±0,15	☹		☺	☹			☺	☹	
	DX18-2E200N02-CE4	2	0,2		18	0,06–0,17	±0,05	±0,15	☹	☻	☺	☹		☻	☺	☹	
	DX18-2E250N02-CE4	2,5	0,2		18	0,07–0,21	±0,05	±0,15	☹		☺	☹			☺	☹	
	DX18-3E300N02-CE4	3	0,2		18	0,09–0,33	±0,05	±0,15	☹	☻	☺	☹		☻	☺	☹	
	DX18-1E100N01-CF5	1	0,1		18	0,03–0,10	±0,05	±0,15			☺				☺		
	DX18-1E150N01-CF5	1,5	0,15		18	0,03–0,12	±0,05	±0,15	☹	☻	☺	☹		☻	☺	☹	
	DX18-2E200N00-CF5	2	0		18	0,03–0,12	±0,05	±0,15			☺				☺		
	DX18-2E200N02-CF5	2	0,2		18	0,04–0,14	±0,05	±0,15		☻	☺	☹		☻	☺	☹	
	DX18-2E250N02-CF5	2,5	0,2		18	0,05–0,18	±0,05	±0,15			☺	☹			☺	☹	
	DX18-3E300N02-CF5	3	0,2		18	0,08–0,23	±0,05	±0,15	☹	☻	☺	☹		☻	☺	☹	
	DX18-1E100N01-CF6	1	0,1		18	0,03–0,08	±0,05	±0,15			☺				☺		
	DX18-1E150N01-CF6	1,5	0,15		18	0,03–0,12	±0,05	±0,15			☺	☹			☺	☹	
	DX18-2E200N02-CF6	2	0,2		18	0,03–0,14	±0,05	±0,15	☹		☺	☹			☺	☹	
	DX18-2E250N02-CF6	2,5	0,2		18	0,03–0,18	±0,05	±0,15	☹		☺	☹			☺	☹	
	DX18-3E300N02-CF6	3	0,2		18	0,04–0,23	±0,05	±0,15	☹		☺	☹			☺	☹	
	DX18-2E200N02-GD3	2	0,2		18	0,04–0,15	±0,05	±0,15			☺				☺		
	DX18-2E250N02-GD3	2,5	0,2		18	0,04–0,17	±0,05	±0,15			☺				☺		
	DX18-3E300N03-GD3	3	0,3		18	0,06–0,21	±0,05	±0,15			☺				☺		
	DX18-4E400N04-GD3	4	0,4		18,5	0,10–0,23	±0,05	±0,15			☺				☺		
	DX18-2E200N02-GD6	2	0,2		18	0,04–0,14	±0,05	±0,15		☻	☺			☻	☺		
	DX18-2E250N02-GD6	2,5	0,2		18	0,06–0,20	±0,05	±0,15		☻	☺			☻	☺		
	DX18-3E300N03-GD6	3	0,3		18	0,08–0,21	±0,05	±0,15		☻	☺			☻	☺		
	DX18-4E400N04-GD6	4	0,4		18,5	0,10–0,25	±0,05	±0,15		☻	☺			☻	☺		
	DX18-2E200L6-CE4	2	0,2	6°	18	0,04–0,12	±0,05	±0,15	☹		☺	☹			☺	☹	
	DX18-2E250L6-CE4	2,5	0,2	6°	18	0,05–0,15	±0,05	±0,15			☺				☺		
	DX18-3E300L6-CE4	3	0,2	6°	18	0,09–0,27	±0,05	±0,15			☺	☹			☺	☹	
	DX18-1E150L10-CF5	1,5	0	10°	18	0,03–0,06	±0,05	±0,15			☺				☺		
	DX18-2E200L6-CF5	2	0,2	6°	18	0,03–0,12	±0,05	±0,15	☹		☺	☹			☺	☹	
	DX18-2E200L7-CF5	2	0	7°	18	0,03–0,12	±0,05	±0,15		☻	☺			☻	☺		
	DX18-2E200L15-CF5	2	0	15°	18	0,03–0,12	±0,05	±0,15			☺				☺		
	DX18-2E250L6-CF5	2,5	0,2	6°	18	0,03–0,15	±0,05	±0,15			☺				☺		
	DX18-3E300L6-CF5	3	0,2	6°	18	0,04–0,19	±0,05	±0,15			☺				☺		
	DX18-3E300L7-CF5	3	0	7°	18,8	0,04–0,16	±0,05	±0,15			☺				☺		
	DX18-3E300L15-CF5	3	0	15°	18,8	0,04–0,16	±0,05	±0,15			☺				☺		
	DX18-1E150L10-CF6	1,5	0	10°	18	0,03–0,10	±0,05	±0,15			☺				☺		
	DX18-2E200L6-CF6	2	0,2	6°	18	0,03–0,12	±0,05	±0,15	☹		☺	☹			☺	☹	
	DX18-2E200L15-CF6	2	0	15°	18,3	0,03–0,13	±0,05	±0,15			☺				☺		
	DX18-2E250L6-CF6	2,5	0,2	6°	18	0,03–0,15	±0,05	±0,15			☺				☺		
	DX18-3E300L6-CF6	3	0,2	6°	18	0,04–0,19	±0,05	±0,15			☺				☺		
	DX18-2E200L7-CK8	2	0	7°	18	0,04–0,10	±0,05	±0,15					☻				☻
	DX18-1E150N01-CK8	1,5	0,15		18	0,04–0,10	±0,05	±0,15					☻				☻
	DX18-2E200N02-CK8	2	0,2		18	0,04–0,12	±0,05	±0,15					☻				☻

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.05 mm

HC = Coated carbide
HF = Uncoated fine-grained carbide

Grooving and parting off – cutting inserts
DX
Tiger·tec® Silver



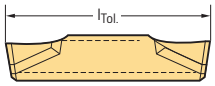
Cutting inserts

	Designation	s mm	r mm	κ	l mm	f mm	S_{Tol} mm	l_{Tol} mm	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	N HF WN13	S HC WSM23S	S HC WSM33S	S HC WSM43S	S HF WN13
	DX18-2E200R6-CE4	2	0,2	6°	18	0,04–0,12	±0,05	±0,15	✗		●	✗			●	✗	
	DX18-2E250R6-CE4	2,5	0,2	6°	18	0,05–0,15	±0,05	±0,15			●				●		
	DX18-3E300R6-CE4	3	0,2	6°	18	0,09–0,27	±0,05	±0,15	✗		●	✗			●	✗	
	DX18-1E150R10-CF5	1,5	0	10°	18	0,03–0,06	±0,05	±0,15			●				●		
	DX18-2E200R6-CF5	2	0,2	6°	18	0,03–0,12	±0,05	±0,15			●	✗			●	✗	
	DX18-2E200R7-CF5	2	0	7°	18	0,03–0,12	±0,05	±0,15		☺	●			☺	●		
	DX18-2E200R15-CF5	2	0	15°	18	0,03–0,12	±0,05	±0,15			●				●		
	DX18-2E250R6-CF5	2,5	0,2	6°	18	0,03–0,15	±0,05	±0,15			●				●		
	DX18-3E300R6-CF5	3	0,2	6°	18	0,04–0,19	±0,05	±0,15			●				●		
	DX18-3E300R7-CF5	3	0	7°	18,8	0,04–0,16	±0,05	±0,15			●				●		
	DX18-3E300R15-CF5	3	0	15°	18,8	0,04–0,16	±0,05	±0,15			●				●		
	DX18-1E150R10-CF6	1,5	0	10°	18	0,03–0,10	±0,05	±0,15			●				●		
	DX18-2E200R6-CF6	2	0,2	6°	18	0,03–0,12	±0,05	±0,15	✗		●	✗			●	✗	
	DX18-2E200R15-CF6	2	0	15°	18,3	0,03–0,13	±0,05	±0,15			●				●		
	DX18-2E250R6-CF6	2,5	0,2	6°	18	0,03–0,15	±0,05	±0,15			●				●		
	DX18-3E300R6-CF6	3	0,2	6°	18	0,04–0,19	±0,05	±0,15			●				●		
	DX18-2E200R7-CK8	2	0	7°	18	0,04–0,10	±0,05	±0,15					☺				☺
	DX18-3F300N02-CE4	3	0,2		18	0,09–0,33	±0,05	±0,15			●				●		
	DX18-3F300N02-CF5	3	0,2		18	0,08–0,23	±0,05	±0,15			●				●		

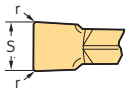
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.05 mm

HC = Coated carbide
HF = Uncoated fine-grained carbide

Grooving and recessing – cutting inserts
DX
Tiger·tec® Silver



DX...N



Cutting inserts

	Designation	s mm	r mm	l mm	f mm	a_p mm	S_{Tol} mm	l_{Tol} mm	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	0,2	18	0,05–0,22	0,3–1,2	±0,05	±0,15		☺	☺					☺	☺	
	DX18-3E300N02-UF7	3	0,2	18	0,07–0,24	0,4–1,5	±0,05	±0,15		☺	☺					☺	☺	
	DX18-4E400N02-UF7	4	0,2	18	0,09–0,30	0,3–2,2	±0,05	±0,15		☺						☺		
	DX18-1E160N01-UF8	1,6	0,1	18	0,05–0,17	0,3–1,0	±0,02	±0,15		☺						☺		
	DX18-1E170N01-UF8	1,7	0,1	18	0,05–0,17	0,3–1,0	±0,02	±0,15		☺						☺		
	DX18-1E185N01-UF8	1,85	0,1	18	0,05–0,22	0,3–1,0	±0,02	±0,15		☺						☺		
	DX18-1E196N01-UF8	1,96	0,1	18	0,05–0,22	0,3–1,2	±0,02	±0,15		☺						☺		
	DX18-2E225N01-UF8	2,25	0,1	18	0,05–0,22	0,3–1,3	±0,02	±0,15		☺						☺		
	DX18-2E275N01-UF8	2,75	0,1	18	0,06–0,22	0,3–1,3	±0,02	±0,15		☺						☺		
	DX18-3E318N02-UF8	3,18	0,2	18	0,07–0,24	0,4–1,5	±0,02	±0,15		☺						☺		
	DX18-3E325N01-UF8	3,25	0,1	18	0,07–0,24	0,4–1,6	±0,02	±0,15		☺						☺		
	DX18-4E400N04-UF8	4	0,4	18	0,09–0,30	0,5–2,2	±0,02	±0,15		☺						☺		
	DX18-4E425N02-UF8	4,25	0,2	18	0,09–0,30	0,5–2,2	±0,02	±0,15		☺						☺		
	DX18-2E200N02-UA4	2	0,2	18	0,08–0,18	0,3–1,2	±0,05	±0,15					☺					
	DX18-3E300N03-UA4	3	0,3	18	0,10–0,25	0,4–2,0	±0,05	±0,15					☺		☹			
	DX18-4E400N04-UA4	4	0,4	18,5	0,10–0,38	0,5–2,8	±0,05	±0,15					☺		☹			
	DX18-4E400N08-UA4	4	0,8	18,5	0,10–0,38	0,9–2,8	±0,05	±0,15					☺		☹			
	DX18-2E200N02-UD4	2	0,2	18	0,10–0,18	0,3–1,2	±0,05	±0,15			☹						☹	
	DX18-3E300N03-UD4	3	0,3	18	0,10–0,23	0,4–2,0	±0,05	±0,15			☹						☹	
	DX18-4E400N04-UD4	4	0,4	18,5	0,10–0,33	0,5–2,8	±0,05	±0,15			☹						☹	
	DX18-4E400N08-UD4	4	0,8	18,5	0,10–0,33	0,9–2,8	±0,05	±0,15			☹						☹	
	DX18-2E200N02-UF4	2	0,2	18	0,10–0,18	0,3–1,2	±0,05	±0,15	☹	☺	☹	☹		☺		☺	☹	☹
	DX18-2E250N02-UF4	2,5	0,2	18	0,10–0,21	0,3–1,3	±0,05	±0,15		☺	☹			☺		☺	☹	
	DX18-3E300N03-UF4	3	0,3	18	0,10–0,23	0,4–2,0	±0,05	±0,15	☹	☺	☹	☹		☺		☺	☹	☹
	DX18-4E400N02-UF4	4	0,2	18,5	0,10–0,33	0,3–2,8	±0,05	±0,15			☹						☹	
	DX18-4E400N04-UF4	4	0,4	18,5	0,10–0,33	0,5–2,8	±0,05	±0,15			☹	☹		☺			☹	☹
	DX18-4E400N08-UF4	4	0,8	18,5	0,10–0,33	0,9–2,8	±0,05	±0,15			☹			☺			☹	
	DX18-4F400N04-UF4	4	0,4	18,5	0,10–0,33	0,5–2,8	±0,05	±0,15			☹						☹	

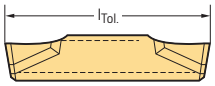
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.05 mm

HC = Coated carbide

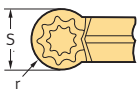
Grooving and copy turning – cutting inserts

DX

Tiger·tec® Silver



DX...N



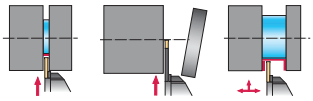
Cutting inserts

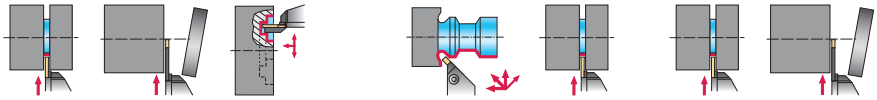
	Designation	s mm	r mm	l mm	f mm	a_p mm	S_{Tol} mm	l_{Tol} mm	P HC WSM13S	M HC WSM13S	M HC WSM23S	M HC WSM33S	K HC WKP23S	S HC WSM13S	S HC WSM23S	S HC WSM33S
	DX18-2E200N10-RD4	2	1	18,3	0,08–0,28	0,2–1,0	±0,05	±0,15				☹	☹			☹
	DX18-3E300N15-RD4	3	1,5	18,3	0,10–0,38	0,5–1,5	±0,05	±0,15			☺	☹			☺	☹
	DX18-2E200N10-RF7	2	1	18,3	0,08–0,26	0,1–1,0	±0,05	±0,15	☺	☺	☺			☺	☺	
	DX18-3E300N15-RF7	3	1,5	18,3	0,10–0,33	0,1–1,5	±0,05	±0,15	☺	☺	☺			☺	☺	
	DX18-4E400N20-RF7	4	2	18,5	0,12–0,48	0,1–2,0	±0,05	±0,15			☺				☺	

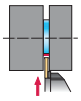
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
Radius tolerance r_{Tol} = ±0.05 mm

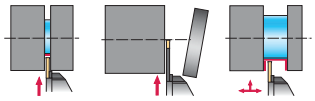
HC = Coated carbide

Shank tools/parting blades/boring bars

Machining				
Type	MX..			
				
Designation	G3011	G3011...-P	G3021...-P	G3051...-P
Insert width s [mm]	0,8–3,25	0,8–5,65	0,8–5,65	0,5–3,25
Cutting depth T_{max} [mm]	6	6	6	6
Coolant supply	External	Precision cooling	Precision cooling	Precision cooling
Shank size h [mm]	10–12	12–25	20–25	12–25
Shank size h [inch]		0,500–1,000	1,000	0,625–1,000
Page in catalogue				
QR code				
www.walter-tools.com/woc/	G3011	G3011-P	G3021-P	G3051-P

Machining				
Type	DX..			
	Selection	Selection	Selection	Selection
				
Designation	G4511	G4521	G4551	G4041
Insert width s [mm]	2–6	2–6	2–6	1,5–3
Cutting depth T_{max} [mm]	5	5	5	21
Coolant supply	External	External	External	External
Shank size h [mm]	12–25	20–25	20–25	26–32
Shank size h [inch]				
Page in catalogue	114	115	116	119
QR code				
www.walter-tools.com/woc/	G4511	G4521	G4551	G4041

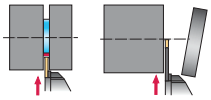




MX..

DX..

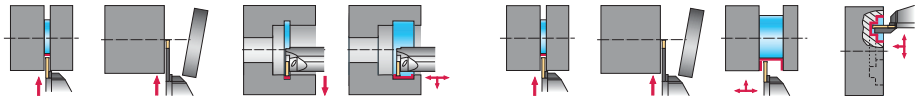
		NEW	Selection	NEW	Selection
					
G3041	**G3041...C**	**G4014**	**G4014...-P**	**G4011**	**G4011...-P**
0,8–3,25	0,8–3,25	1–3	2–3	2–4	2–3
6	6	17,5	17,5	17	17
External	External	External	Precision cooling	External	Precision cooling
26	26	10–20	12–20	25	25
		0,500–0,625	0,500–0,750	0,750–1,000	
		100	105	108	110
G3041	G3041-C	G4014	G4014-P	G4011	G4011-P

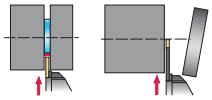


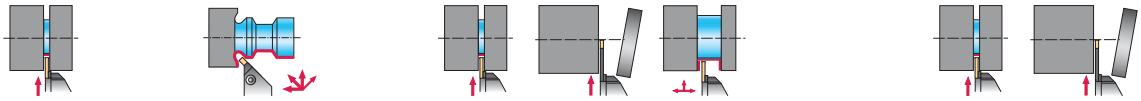
DX..

Selection	Selection	Selection	Selection	Selection	NEW
					
G4041...-P	**G4041...C**	**G4041...C-P**	**G4042...N**	**G4042...N...-P**	**G4634-P**
2–3	1,5–3	2–3	1,5–4	3	2–3
21	21	21	40	40	16
Precision cooling	External	Precision cooling	External	Precision cooling	Precision cooling
26–32	26–32	26–32	26–32	26–32	33
120	121	122	117	118	
G4041-P	G4041-C	G4041-C-P	G4042-N	G4042-N-P	G4634-P

Shank tools/parting blades/boring bars

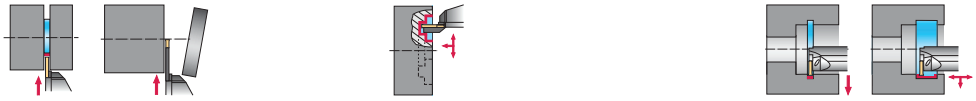
Machining				
Type	DX..		GX-E..	
	Selection	Selection		
				
Designation	G4635	G4221...-P	G1511	G1511...-P
Insert width s [mm]	1,5–3	2–4	2–6	2–6
Cutting depth T_{max} [mm]	17	10	6	6
Coolant supply	External	Precision cooling	External	Internal
Shank size h [mm]		25–32	12–25	16–25
Shank size h [inch]		0,039	0,750–1,000	1,000
Page in catalogue	125	124		
QR code				
www.walter-tools.com/woc/	G4635	G4221-P	G1511	G1511-P

Machining				
Type	GX-E..			
				
Designation	G1041...C	G1041...C-P	G1042	XLCFN
Insert width s [mm]	1,5–4	2–4	2–6	3–6
Cutting depth T_{max} [mm]	32	33	60	21
Coolant supply	External	Precision cooling	External	External
Shank size h [mm]	26–32	26–32	26–32	32
Shank size h [inch]				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	G1041-C	G1041-C-P	G1042	XLCFN



GX-E..

G1521	G1551	G1011	G1011...-P	G1041	G1041...-P
2–6	2–6	2–8	2–8	2–4	2–4
6	6	38	33	32	33
External	External	External	Precision cooling	External	Precision cooling
16–25	20–25	12–32	12–32	26–32	26–32
0,750–1,000	0,750–1,000	0,500–1,500	0,750–1,000		
G1521	G1551	G1011	G1011-P	G1041	G1041-P

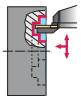
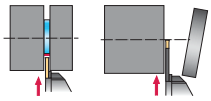


GX-E..

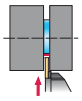
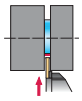
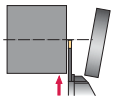
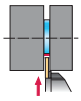
NEW

G1634-P	G1332	MSS...E...	I12	G1221...-P	MSS...I...
2–4	1,5–3		2–2,75	2–6	
33	15	25	3	12	19
Precision cooling	External	External	External	Precision cooling	External
33–43		L016–L032	16	16–40	L016–R040
				0,039	
G1634-P	G1332	MSS-E	I12	G1221-P	MSS-I

Shank tools/parting blades/boring bars

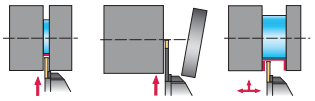
Machining				
Type	GX-E..	SX..		
				
Designation	G1111	G2012	G2012...-P	G2042...R/L
Insert width s [mm]	3–6	1,5–3	2–6	1,5–4
Cutting depth T_{max} [mm]	25	33	40	33
Coolant supply	External	External	Internal	External
Shank size h [mm]	25	20–25	12–25	26–32
Shank size h [inch]	1,000	0,750–1,000	0,500–1,000	
Page in catalogue				
QR code				
www.walter-tools.com/woc/	G1111	G2012	G2012-P	G2042-R-L

Machining				
Type				
				
Designation	MSS-	G2661...-P	MSS...I...	SBN
Insert width s [mm]				
Cutting depth T_{max} [mm]				
Coolant supply		Internal		External
Shank size h [mm]	16–32	16–40	20–40	20–40
Shank size h [inch]	0,625–1,250	0,750–1,500	0,039–0,079	0,750–1,250
Page in catalogue				
QR code				
www.walter-tools.com/woc/	MSS	G2661-P	MSS-I	SBN

					
G2042...R/L...-P	**G2042...R/L...C**	**G2042...R/L...C-P**	**G2042...N...-P**	**G2632-E...R/L...-SX**	**G2016...-P**
2–4	4	2–4	3–10	2–8	12–19
33	33	33	100	45	41
Precision cooling	External	Precision cooling	Precision cooling	External	Precision cooling
26–32	32	26–32	26–52		25–32
G2042-R-L-P	G2042-R-L-C	G2042-R-L-C-P	G2042-N-P	G2632	G2016-P

Walter Capto™ groove turning holders

Machining				
Type				
		NEW	NEW	
				
Designation	G3011-C...-P	G4011-C...-P	G1011-C...-P	C...-MSS
Insert width s [mm]	0,8–5,65	2	3–5	
Cutting depth T_{max} [mm]	6	17	21	
Coolant supply	Precision cooling	Precision cooling	Precision cooling	
Shank size h [mm]	C3–C6	C3–C4	C3–C6	C3–C6
Shank size h [inch]				
Page in catalogue		126		
QR code				
www.walter-tools.com/woc/	G3011-C-P	G4011-C-P	G1011-C-P	C-MSS

A2

A2

Bezeichnungsschlüssel für Walter Cut Stechwerkzeuge

Beispiel:

G	1	1	11	–	2020	R	–	3	T33	–	090	GX24	–	C	–	P
1	2	3	4		5	6		7	8		9	10		11		12

1 – Werkzeuggruppe

G	Grooving

2 – Generation

1	GX
2	SX / UX
3	MX
4	DX

3 – Werkzeugart

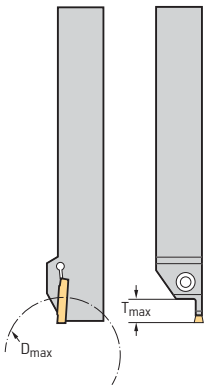
0	Radialstechwerkzeug
1	Axialstechwerkzeug
2	Innenstechwerkzeug
5	Stechwerkzeug ohne Unterbau
6	Modular außen Radialstechen

4 – Werkzeugtyp

11	0° abgewinkelt, Klemmschraube gerade
12	0° abgewinkelt, Selbstklemmung
14	0° abgewinkelt, Klemmschraube von der Seite (SmartLock)
16	0° abgewinkelt, Klemmschraube von vorne
21	90° abgewinkelt, Klemmschraube gerade
22	90° abgewinkelt, Selbstklemmung
32	Stechmodul, Selbstklemmung
35	Stechmodul, Klemmschraube indirekt
41	Stechklinge, Klemmschraube
42	Stechklinge, Selbstklemmung
51	Abgewinkelt, Klemmschraube gerade
61	Spannblock/geteilt

8 – Stechtiefe/ Abstechdurchmesser

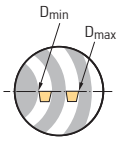
T06	6 mm
T12	12 mm
T21	21 mm
T32	32 mm
T33	33 mm
T35	35 mm
D16	Ø 16 mm
D32	Ø 32 mm



9 – Kleinster Axialstechdurchmesser/ Klingenhöhe

Kleinster Axialstechdurchmesser

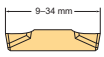
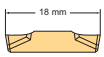
034	Ø 34 mm
042	Ø 42 mm
054	Ø 54 mm
067	Ø 67 mm
090	Ø 90 mm
130	Ø 130 mm
220	Ø 220 mm



Klingenhöhe

26	26 mm
32	32 mm
52	52 mm

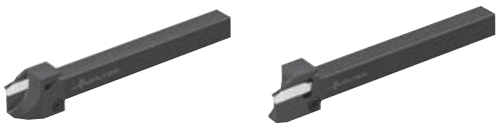
10 – Wendeschneidplatten-Typ

GX	
DX	
SX	
MX	
UX	

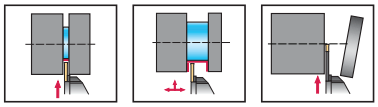
Shank tool – Radial grooving

G4014 mm

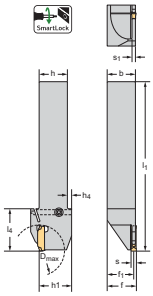
Walter Cut



– Side screw clamping

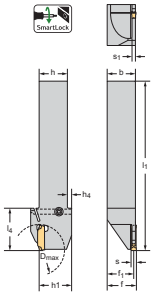


Tool



Square shank

Designation	s mm	D_{max} mm	b mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
G4014-1010R-1T12DX18	1	25	10	9,6	110	4	23	0,8	DX18-1E1 ..
G4014-1212R-1T12DX18		25	12	11,6	110	3	22,3	0,8	
G4014-1010R-1.5T10DX18	1,5	20	10	9,4	110	4	22	1,2	DX18-1E1.5 ..
G4014-1212R-1.5T12DX18		25	12	11,4	110	3	22,3	1,2	
G4014-1616R-1.5T12DX18		25	16	15,4	120	4	24	1,2	
G4014-1010R-2T10DX18	2	20	10	9,2	110	4	22	1,6	DX18-2E2 ..
G4014-1212R-2T12DX18		25	12	11,2	110	3	22,3	1,6	
G4014-1616R-2T12DX18		25	16	15,2	120	4	24	1,6	
G4014-1616R-2T17DX18		35	16	15,2	120	4	30	1,6	
G4014-2020R-2T17DX18		35	20	19,2	120	3	30	1,6	
G4014-1212R-3T12DX18	3	25	12	10,8	110	3	22,3	2,4	DX18-3E3 .. DX18-3F3 ..
G4014-1616R-3T17DX18		35	16	14,8	120	4	30	2,4	
G4014-2020R-3T17DX18		35	20	18,8	120	3	30	2,4	



Square shank

Designation	s mm	D_{max} mm	b mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
G4014-1010L-1T12DX18	1	25	10	9,6	110	4	23	0,8	DX18-1E1 ..
G4014-1212L-1T12DX18		25	12	11,6	110	3	22,3	0,8	
G4014-1010L-1.5T10DX18	1,5	20	10	9,4	110	4	22	1,2	DX18-1E1.5 ..
G4014-1212L-1.5T12DX18		25	12	11,4	110	3	22,3	1,2	
G4014-1616L-1.5T12DX18		25	16	15,4	120	4	24	1,2	
G4014-1010L-2T10DX18	2	20	10	9,2	110	4	22	1,6	DX18-2E2 ..
G4014-1212L-2T12DX18		25	12	11,2	110	3	22,3	1,6	
G4014-1616L-2T12DX18		25	16	15,2	120	4	24	1,6	
G4014-1616L-2T17DX18		35	16	15,2	120	4	30	1,6	
G4014-2020L-2T17DX18		35	20	19,2	120	3	30	1,6	
G4014-1212L-3T12DX18	3	25	12	10,8	110	3	22,3	2,4	DX18-3E3 .. DX18-3F3 ..
G4014-1616L-3T17DX18		35	16	14,8	120	4	30	2,4	
G4014-2020L-3T17DX18		35	20	18,8	120	3	30	2,4	

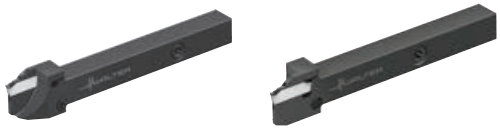
$f = f_1 + s/2$

Bodies and assembly parts are included in the scope of delivery

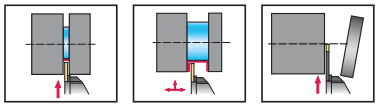
Shank tool – Radial grooving

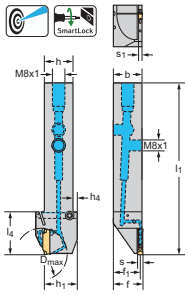
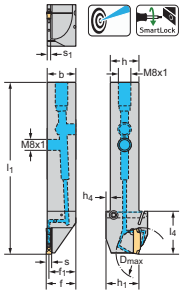
G4014...-P mm

Walter Cut



– Side screw clamping
– Precision cooling



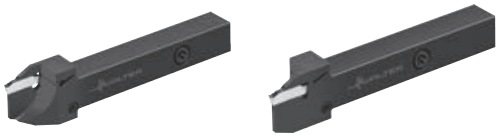
Tool	Designation	s mm	D_{max} mm	b mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
 Square shank	G4014-1212R-2T12DX18-P	2	25	12	11,2	110	3	22,3	1,6	DX18-2E2 ..
	G4014-1212R-2.5T12DX18-P	2,5	25	12	11	110	3	22,3	2,1	DX18-2E2.5 ..
	G4014-1212R-3T12DX18-P	3	25	12	10,8	110	3	22,3	2,4	DX18-3E3 .. DX18-3F3 ..
 Square shank	G4014-1212L-2T12DX18-P	2	25	12	11,2	110	3	22,3	1,6	DX18-2E2 ..
	G4014-1212L-2.5T12DX18-P	2,5	25	12	11	110	3	22,3	2,1	DX18-2E2.5 ..
	G4014-1212L-3T12DX18-P	3	25	12	10,8	110	3	22,3	2,4	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

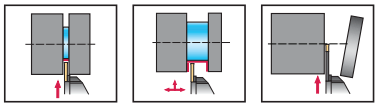
Shank tool – Radial grooving

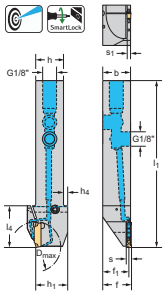
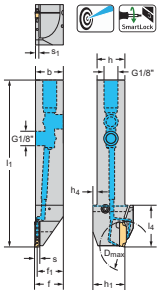
G4014...-P mm

Walter Cut



– Side screw clamping
– Precision cooling



Tool	Designation	s mm	D_{max} mm	b mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
 Square shank	G4014-1616R-2T12DX18-P	2	25	16	15,2	120	4	24	1,6	DX18-2E2 ..
	G4014-1616R-2T17DX18-P		35	16	15,2	120	4	30	1,6	
	G4014-1616R-2.5T17DX18-P	2,5	35	16	15	120	4	30	2,1	DX18-2E2.5 ..
	G4014-1616R-3T17DX18-P	3	35	16	14,8	120	4	30	2,4	DX18-3E3 .. DX18-3F3 ..
 Square shank	G4014-1616L-2T12DX18-P	2	25	16	15,2	120	4	24	1,6	DX18-2E2 ..
	G4014-1616L-2T17DX18-P		35	16	15,2	120	4	30	1,6	
	G4014-1616L-2.5T17DX18-P	2,5	35	16	15	120	4	30	2,1	DX18-2E2.5 ..
	G4014-1616L-3T17DX18-P	3	35	16	14,8	120	4	30	2,4	DX18-3E3 .. DX18-3F3 ..

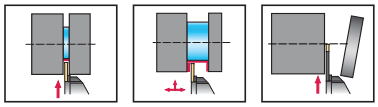
$f = f_1 + s/2$
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

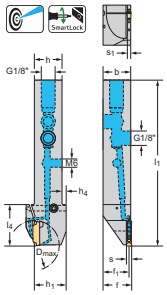
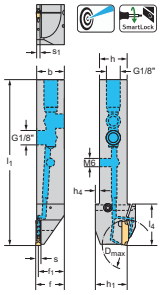
Shank tool – Radial grooving

G4014...-P mm

Walter Cut

– Side screw clamping
– Precision cooling



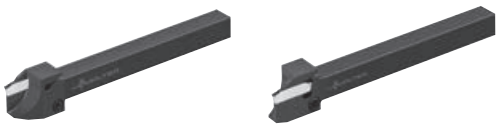
Tool	Designation	s mm	D_{max} mm	b mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
 Square shank	G4014-2020R-2T17DX18-P	2	35	20	19,2	120	3	30	1,6	DX18-2E2 ..
	G4014-2020R-3T17DX18-P	3	35	20	18,8	120	3	30	2,4	DX18-3E3 .. DX18-3F3 ..
 Square shank	G4014-2020L-2T17DX18-P	2	35	20	19,2	120	3	30	1,6	DX18-2E2 ..
	G4014-2020L-3T17DX18-P	3	35	20	18,8	120	3	30	2,4	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$
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

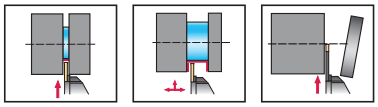
Shank tool – Radial grooving

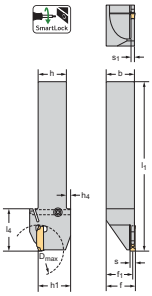
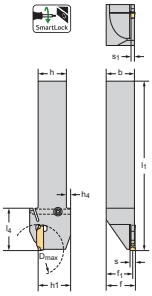
G4014 inch

Walter Cut



– Side screw clamping



Tool	Designation	s inch	D_{max} inch	b inch	f_1 inch	l_1 inch	h_4 inch	l_4 inch	s_1 inch	Type
 Square shank	G4014.08R-1.5T12DX18	0,059	0,984	0,500	0,476	4,331	0,091	0,878	0,047	DX18-1E1.5 ..
 Square shank	G4014.08L-1.5T12DX18	0,059	0,984	0,500	0,476	4,331	0,091	0,878	0,047	DX18-1E1.5 ..
	G4014.10L-3T17DX18	0,118	1,378	0,625	0,579	4,724	0,161	1,181	0,094	DX18-3E3 .. DX18-3F3 ..

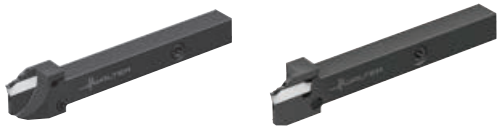
$f = f_1 + s/2$

Bodies and assembly parts are included in the scope of delivery

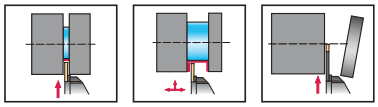
Shank tool – Radial grooving

G4014...-P inch

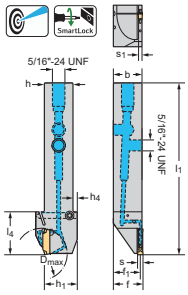
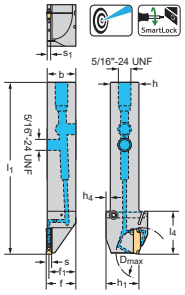
Walter Cut



– Side screw clamping
– Precision cooling



Tool

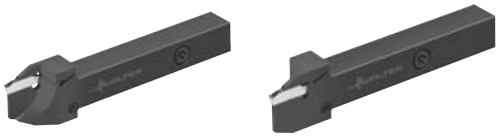
	Designation	s inch	D_{max} inch	b inch	f_1 inch	l_1 inch	h_4 inch	l_4 inch	s_1 inch	Type
 Square shank	G4014.08R-2T12DX18-P	0,079	0,984	0,500	0,469	4,331	0,091	0,878	0,063	DX18-2E2 ..
	G4014.08R-3T12DX18-P	0,118	0,984	0,500	0,453	4,331	0,091	0,878	0,094	DX18-3E3 .. DX18-3F3 ..
 Square shank	G4014.08L-2T12DX18-P	0,079	0,984	0,500	0,469	4,331	0,091	0,878	0,063	DX18-2E2 ..
	G4014.08L-3T12DX18-P	0,118	0,984	0,500	0,453	4,331	0,091	0,878	0,094	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

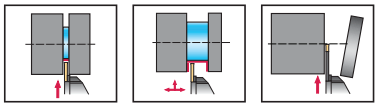
Shank tool – Radial grooving

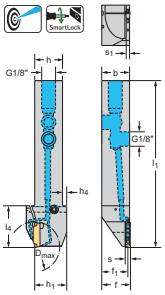
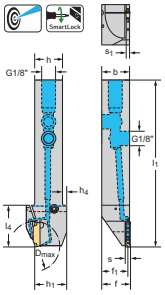
G4014...-P inch

Walter Cut



– Side screw clamping
– Precision cooling



Tool	Designation	s inch	D_{max} inch	b inch	f_1 inch	l_1 inch	h_4 inch	l_4 inch	s_1 inch	Type
 Square shank	G4014.10R-2T17DX18-P	0,079	1,378	0,625	0,594	4,724	0,161	1,181	0,063	DX18-2E2 ..
	G4014.12R-2T17DX18-P		1,378	0,750	0,717	4,724	0,118	1,181	0,063	
	G4014.10R-3T17DX18-P	0,118	1,378	0,625	0,579	4,724	0,161	1,181	0,094	DX18-3E3 .. DX18-3F3 ..
	G4014.12R-3T17DX18-P		1,378	0,750	0,701	4,724	0,118	1,181	0,094	
 Square shank	G4014.10L-2T17DX18-P	0,079	1,378	0,625	0,594	4,724	0,161	1,181	0,063	DX18-2E2 ..
	G4014.12L-2T17DX18-P		1,378	0,750	0,717	4,724	0,118	1,181	0,063	
	G4014.10L-3T17DX18-P	0,118	1,378	0,625	0,579	4,724	0,161	1,181	0,094	DX18-3E3 .. DX18-3F3 ..
	G4014.12L-3T17DX18-P		1,378	0,750	0,701	4,724	0,118	1,181	0,094	

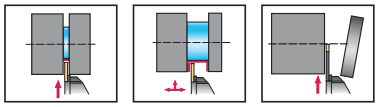
$f = f_1 + s/2$
For the connection set for internal coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Shank tool – Radial grooving

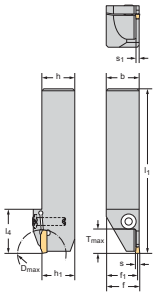
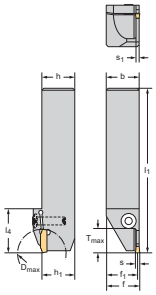
G4011 mm

Walter Cut

– Screw clamping



Tool

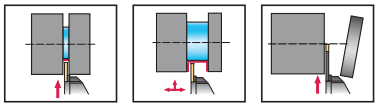
	Designation	s mm	T_{max} mm	D_{max} mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
 Square shank	G4011-2020R-2T10DX18	2	10		20	19,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525R-2T10DX18		10		25	24,2	125	28	1,6	
	G4011-2020R-3T10DX18	3	10		20	18,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
	G4011-2525R-3T10DX18		10		25	23,8	125	28	2,4	
	G4011-2020R-4T10DX18	4	10		20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2020R-4T17DX18		17		20	18,3	125	33,5	3,4	
	G4011-2525R-4T10DX18		10		25	23,2	125	33,5	3,4	
	G4011-2525R-4T17DX18		17		25	23,2	125	33,5	3,4	
 Square shank	G4011-2020L-2T10DX18	2	10		20	19,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525L-2T10DX18		10		25	24,2	125	28	1,6	
	G4011-2020L-3T10DX18	3	10		20	18,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
	G4011-2525L-3T10DX18		10		25	23,8	125	28	2,4	
	G4011-2020L-4T10DX18	4	10		20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2020L-4T17DX18		17		20	18,3	125	33,5	3,4	
	G4011-2525L-4T10DX18		10		25	23,2	125	33,5	3,4	
	G4011-2525L-4T17DX18		17		25	23,2	125	33,5	3,4	

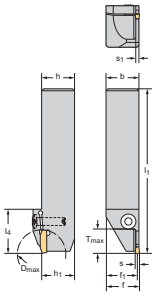
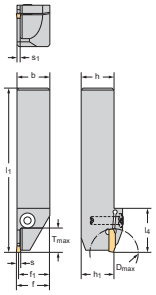
$f = f_1 + s/2$
If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
Bodies and assembly parts are included in the scope of delivery

Shank tool – Radial grooving

G4011 mm

Walter Cut



Tool	Designation	s mm	T_{max} mm	D_{max} mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
 Square shank	G4011-2525R-2T17DX18	2	17	35	25	24,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525R-2.5T17DX18	2,5	17	35	25	24	125	33,5	2,1	DX18-2E2.5 ..
	G4011-2525R-3T17DX18	3	17	35	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
 Square shank	G4011-2525L-2T17DX18	2	17	35	25	24,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525L-2.5T17DX18	2,5	17	35	25	24	125	33,5	2,1	DX18-2E2.5 ..
	G4011-2525L-3T17DX18	3	17	35	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$

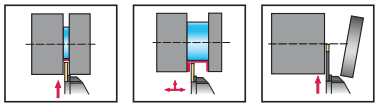
Bodies and assembly parts are included in the scope of delivery

Shank tool – Radial grooving

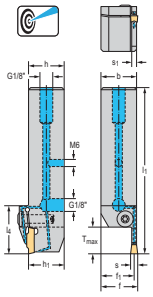
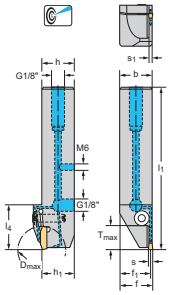
G4011...-P mm

Walter Cut

– Screw clamping
– Precision cooling



Tool

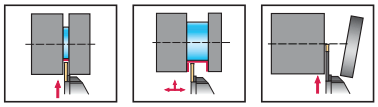
	Designation	s mm	T_{max} mm	D_{max} mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
 Square shank	G4011-2020R-4T17DX18-P	4	17		20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2525R-4T17DX18-P		17		25	23,3	125	33,5	3,4	
 Square shank	G4011-2020L-4T17DX18-P	4	17		20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2525L-4T17DX18-P		17		25	23,3	125	33,5	3,4	

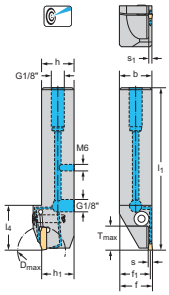
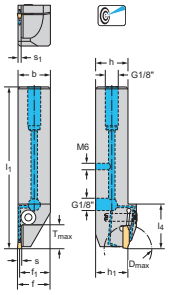
The maximum recommended coolant pressure is 150 bar (2175 psi)
If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
Bodies and assembly parts are included in the scope of delivery

Shank tool – Radial grooving

G4011...-P mm

Walter Cut



Tool	Designation	s mm	T_{max} mm	D_{max} mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
 Square shank	G4011-2525R-2T17DX18-P	2	17	35	25	24,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525R-2.5T17DX18-P	2,5	17	35	25	24	125	33,5	2,1	DX18-2E2.5 ..
	G4011-2525R-3T17DX18-P	3	17	35	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
 Square shank	G4011-2525L-2T17DX18-P	2	17	35	25	24,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525L-2.5T17DX18-P	2,5	17	35	25	24	125	33,5	2,1	DX18-2E2.5 ..
	G4011-2525L-3T17DX18-P	3	17	35	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..

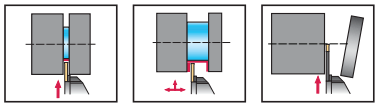
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

Shank tool – Radial grooving

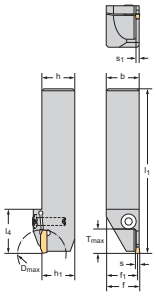
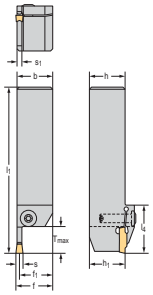
G4011 inch

Walter Cut

– Screw clamping



Tool

	Designation	s inch	T_{max} inch	D_{max} inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
 Square shank	G4011.12R-2T10DX18	0,079	0,394		0,750	0,717	4,921	1,102	0,063	DX18-2E2 ..
	G4011.16R-2T10DX18		0,394		1,000	0,969	4,921	1,102	0,063	
	G4011.16R-3T10DX18	0,118	0,394		1,000	0,953	4,921	1,102	0,094	DX18-3E3 .. DX18-3F3 ..
	G4011.12R-4T17DX18	0,157	0,669		0,750	0,685	4,921	1,319	0,134	DX18-4E4 .. DX18-4F4 ..
	G4011.16R-4T17DX18		0,669		1,000	0,933	4,921	1,319	0,134	
 Square shank	G4011.16L-2T10DX18	0,079	0,394		1,000	0,969	4,921	1,102	0,063	DX18-2E2 ..
	G4011.16L-3T10DX18	0,118	0,394		1,000	0,953	4,921	1,102	0,094	DX18-3E3 .. DX18-3F3 ..
	G4011.12L-4T17DX18	0,157	0,669		0,750	0,685	4,921	1,319	0,134	DX18-4E4 .. DX18-4F4 ..
	G4011.16L-4T17DX18		0,669		1,000	0,933	4,921	1,319	0,134	

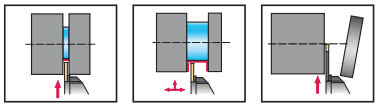
$f = f_1 + s/2$
If no D_2 or D_{max} is specified, there is no diameter limit on the tool.
Bodies and assembly parts are included in the scope of delivery

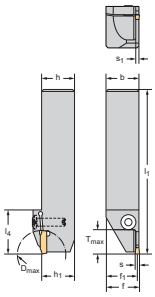
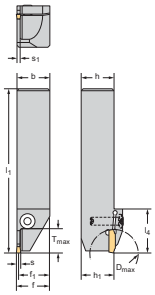
Shank tool – Radial grooving

G4011 inch

Walter Cut

– Screw clamping



Tool	Designation	s inch	T_{max} inch	D_{max} inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
 Square shank	G4011.16R-3T17DX18	0,118	0,669	1,378	1,000	0,953	4,921	1,319	0,094	DX18-3E3 .. DX18-3F3 ..
 Square shank	G4011.16L-3T17DX18	0,118	0,669	1,378	1,000	0,953	4,921	1,319	0,094	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$

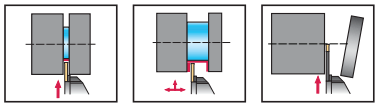
Bodies and assembly parts are included in the scope of delivery

Shank tool – Radial grooving

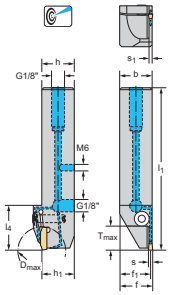
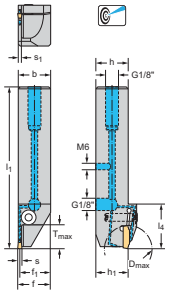
G4011...-P inch

Walter Cut

– Screw clamping
– Precision cooling



Tool

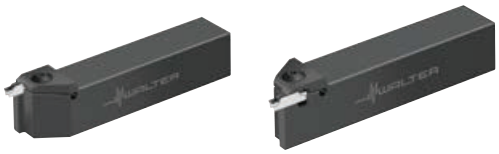
	Designation	s inch	T_{max} inch	D_{max} inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
 Square shank	G4011.16R-2T17DX18-P	0,079	0,669	1,378	1,000	0,969	4,921	1,319	0,063	DX18-2E2 ..
	G4011.16R-3T17DX18-P	0,118	0,669	1,378	1,000	0,953	4,921	1,319	0,094	DX18-3E3 .. DX18-3F3 ..
 Square shank	G4011.16L-2T17DX18-P	0,079	0,669	1,378	1,000	0,969	4,921	1,319	0,063	DX18-2E2 ..
	G4011.16L-3T17DX18-P	0,118	0,669	1,378	1,000	0,953	4,921	1,319	0,094	DX18-3E3 .. DX18-3F3 ..

The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

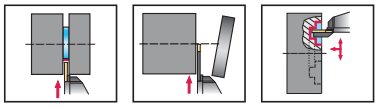
Shank tool – Universal

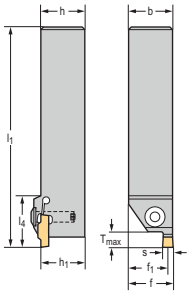
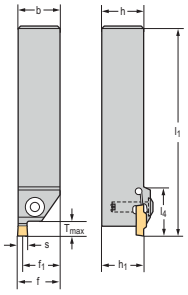
G4511 mm

Walter Cut



– Screw clamping
– Different grooving widths fit in one tool



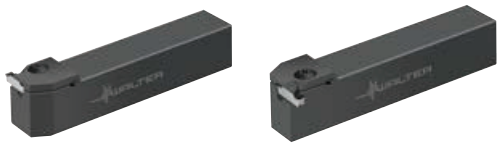
Tool	Designation	s mm	T_{max} mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
 Square shank	G4511-1212R-T5DX18	2–6	5	12	9,4	120	31,5	DX18- . E .. DX18- . F ..
	G4511-1616R-T5DX18		5	16	13,4	120	29	
	G4511-2020R-T5DX18		5	20	17,4	120	29	
	G4511-2525R-T5DX18		5	25	22,4	125	29	
 Square shank	G4511-2020L-T5DX18	2–6	5	20	17,4	120	29	DX18- . E .. DX18- . F ..
	G4511-2525L-T5DX18		5	25	22,4	125	29	

$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery

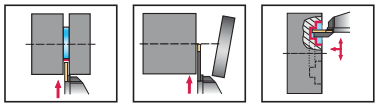
Shank tool – 90° universal

G4521 mm

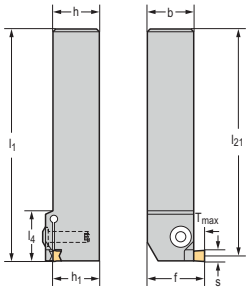
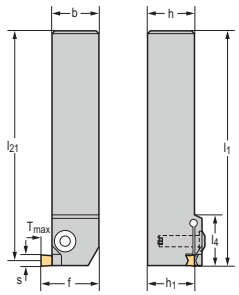
Walter Cut



– Screw clamping
– Different grooving widths fit in one tool



Tool

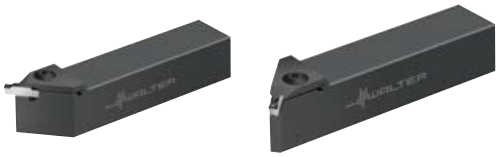
	Designation	s mm	T_{max} mm	b mm	f mm	l_1 mm	l_4 mm	Type
 Square shank	G4521-2020R-T5DX18	2–6	5	20	25,5	120,35	27	DX18- . E .. DX18- . F ..
	G4521-2525R-T5DX18		5	25	30,5	125,35	27	
 Square shank	G4521-2020L-T5DX18	2–6	5	20	25,5	120,35	27	DX18- . E .. DX18- . F ..
	G4521-2525L-T5DX18		5	25	30,5	125,35	27	

$l_1 = l_{21} + s/2$
Bodies and assembly parts are included in the scope of delivery

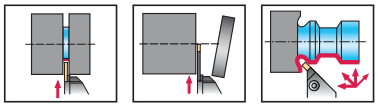
Shank tool – 45° universal

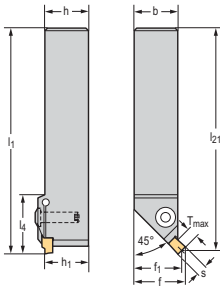
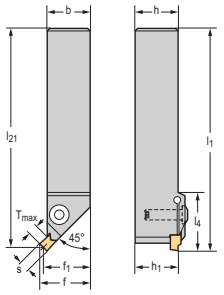
G4551 mm

Walter Cut



– Screw clamping
– Different grooving widths fit in one tool



Tool	Designation	s mm	T_{max} mm	b mm	f_1 mm	l_{21} mm	l_4 mm	Type
 Square shank	G4551-2020R-T5DX18	2–6	5	20	22,3	129,62	32	DX18- . E .. DX18- . F ..
	G4551-2525R-T5DX18		5	25	27,3	129,62	32	
 Square shank	G4551-2525L-T5DX18	2–6	5	25	27,3	129,62	32	DX18- . E .. DX18- . F ..

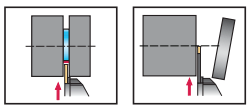
$f = f_1 + 0.707 \times s/2$
$l_1 = l_{21} + 0.707 \times s/2$
Bodies and assembly parts are included in the scope of delivery

Deep parting blade

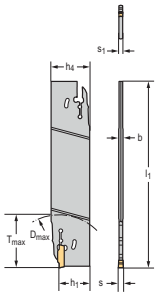
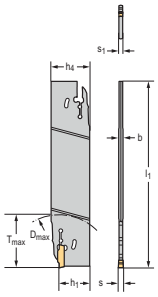
G4042...N mm

Walter Cut

– Self-clamping system



Tool

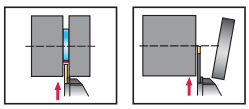
	Designation	s mm	T_{max} mm	b mm	l_1 mm	h_1 mm	s_1 mm	Type
	G4042-26N-1.5T17DX18	1,5	17	3,5	130	17,4	1,2	DX18-1E1.5 ..
	G4042-26N-2T25DX18	2	25	3,5	130	17,4	1,6	DX18-2E2 ..
	G4042-26N-3T40DX18	3	40	3,5	130	17,3	2,4	DX18-3E3 .. DX18-3F3 ..
	G4042-26N-4T40DX18	4	40	3,5	130	17,2	3,4	DX18-4E4 .. DX18-4F4 ..
	G4042-32N-1.5T17DX18	1,5	17	3,5	150	21,1	1,2	DX18-1E1.5 ..
	G4042-32N-2T25DX18	2	25	3,5	150	21,1	1,6	DX18-2E2 ..
	G4042-32N-3T40DX18	3	40	3,5	150	21	2,4	DX18-3E3 .. DX18-3F3 ..
	G4042-32N-4T40DX18	4	40	3,5	150	20,9	3,4	DX18-4E4 .. DX18-4F4 ..

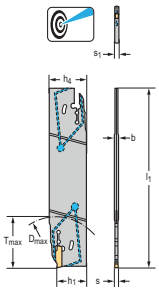
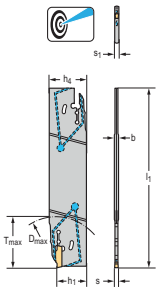
Deep parting blade

G4042...N...-P mm

Walter Cut

– Self-clamping system
– Precision cooling



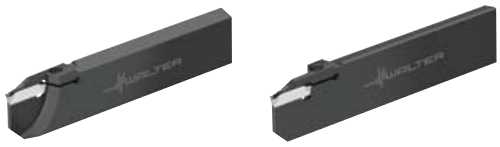
Tool	Designation	s mm	T_{max} mm	b mm	l_1 mm	h_1 mm	s_1 mm	Type
	G4042-26N-3T40DX18-P	3	40	3,5	130	17,3	2,4	DX18-3E3 .. DX18-3F3 ..
	G4042-32N-3T40DX18-P	3	40	3,5	150	21	2,4	DX18-3E3 .. DX18-3F3 ..

Bodies and assembly parts are included in the scope of delivery

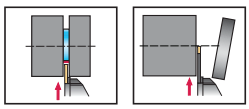
Reinforced parting blade

G4041 mm

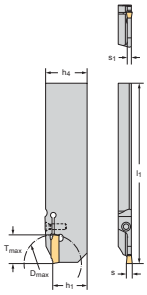
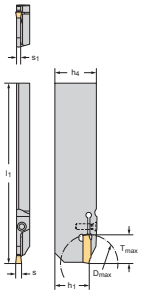
Walter Cut



– Screw clamping



Tool

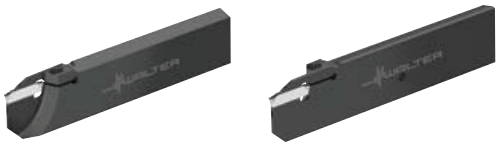
	Designation	s mm	T_{max} mm	D_{max} mm	l_1 mm	s_1 mm	Type
	G4041-26R-1.5T17DX18	1,5	17	35	110	1,2	DX18-1E1.5 ..
	G4041-26R-2T17DX18	2	17	35	110	1,6	DX18-2E2 ..
	G4041-26R-3T17DX18	3	17	35	110	2,5	DX18-3E3 .. DX18-3F3 ..
	G4041-32R-2T21DX18	2	21	42	110	2,5	DX18-2E2 ..
	G4041-26L-1.5T17DX18	1,5	17	35	110	1,2	DX18-1E1.5 ..
	G4041-26L-2T17DX18	2	17	35	110	1,6	DX18-2E2 ..
	G4041-26L-3T17DX18	3	17	35	110	2,5	DX18-3E3 .. DX18-3F3 ..

Bodies and assembly parts are included in the scope of delivery

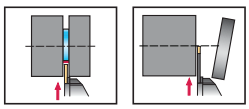
Reinforced parting blade

G4041...-P mm

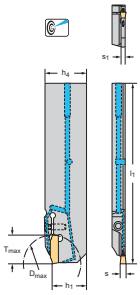
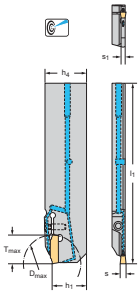
Walter Cut



– Screw clamping
– Precision cooling



Tool

	Designation	s mm	T_{max} mm	D_{max} mm	l_1 mm	s_1 mm	Type
	G4041-26R-2T17DX18-P	2	17	35	110	1,6	DX18-2E2 ..
	G4041-26R-3T17DX18-P	3	17	35	110	2,5	DX18-3E3 .. DX18-3F3 ..
	G4041-26L-2T17DX18-P	2	17	35	110	1,6	DX18-2E2 ..
	G4041-26L-3T17DX18-P	3	17	35	110	2,5	DX18-3E3 .. DX18-3F3 ..
	G4041-32L-2T21DX18-P	2	21	42	110	1,6	DX18-2E2 ..

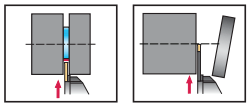
The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery

Reinforced parting blade – Contra

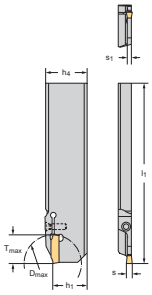
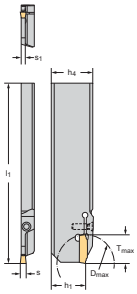
G4041...C mm

Walter Cut

– Screw clamping



Tool

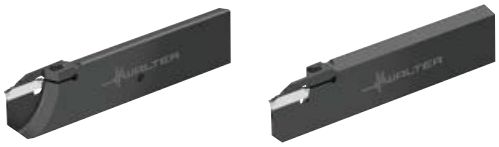
	Designation	s mm	T_{max} mm	D_{max} mm	l_1 mm	s_1 mm	Type
	G4041-26R-1.5T17DX18C	1,5	17	35	110	1,2	DX18-1E1.5 ..
	G4041-26R-2T17DX18C	2	17	35	110	1,6	DX18-2E2 ..
	G4041-26R-3T17DX18C	3	17	35	110	2,5	DX18-3E3 .. DX18-3F3 ..
	G4041-32R-2T21DX18C	2	21	42	110	1,6	DX18-2E2 ..
	G4041-26L-1.5T17DX18C	1,5	17	35	110	1,2	DX18-1E1.5 ..
	G4041-26L-2T17DX18C	2	17	35	110	1,6	DX18-2E2 ..
	G4041-26L-3T17DX18C	3	17	35	110	2,5	DX18-3E3 .. DX18-3F3 ..
	G4041-32L-2T21DX18C	2	21	42	110	1,6	DX18-2E2 ..

Bodies and assembly parts are included in the scope of delivery

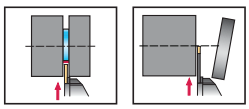
Reinforced parting blade – Contra

G4041...C-P mm

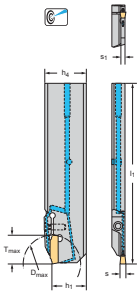
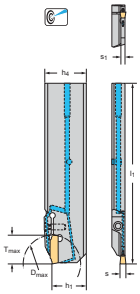
Walter Cut



– Screw clamping
– Precision cooling



Tool

	Designation	s mm	T_{max} mm	D_{max} mm	l_1 mm	s_1 mm	Type
	G4041-26R-2T17DX18C-P	2	17	35	110	1,6	DX18-2E2 ..
	G4041-32R-2T21DX18C-P		21	42	110	1,6	
	G4041-32R-3T21DX18C-P	3	21	42	110	2,5	DX18-3E3 .. DX18-3F3 ..
	G4041-26L-2T17DX18C-P	2	17	35	110	1,6	DX18-2E2 ..
	G4041-32L-2T21DX18C-P		21	42	110	1,6	
	G4041-32L-3T21DX18C-P	3	21	42	110	2,5	DX18-3E3 .. DX18-3F3 ..

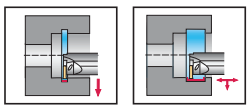
The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery

Boring bar – Internal grooving

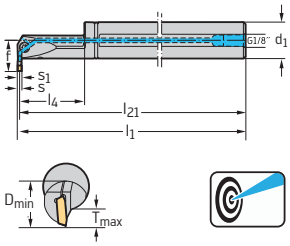
G4221...-P mm

Walter Cut

– Screw clamping
– Precision cooling

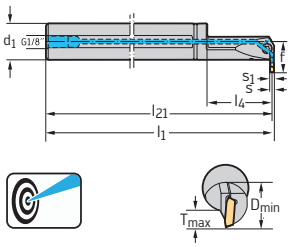


Tool



Cylindrical shank

Designation	s mm	T_{max} mm	D_{min} mm	d_1 mm	f mm	l_1 mm	l_4 mm	l_{21} mm	s_1 mm	Type
G4221-25RR-2T08-DX18-P	2	8	25	25	21,1	200,2	46,2	199,2	1,6	DX18-2E2 ..
G4221-25RR-3T08-DX18-P	3	8	25	25	21,1	200,25	46,3	198,8	2,5	DX18-3E3 .. DX18-3F3 ..
G4221-32SR-3T10-DX18-P		10	32	32	26,6	250,25	59,3	248,8	2,5	
G4221-32SR-4T10-DX18-P	4	10	32	32	26,6	250,3	59,3	248,3	3,4	DX18-4E4 .. DX18-4F4 ..



Cylindrical shank

Designation	s mm	T_{max} mm	D_{min} mm	d_1 mm	f mm	l_1 mm	l_4 mm	l_{21} mm	s_1 mm	Type
G4221-25RL-2T08-DX18-P	2	8	25	25	21,1	200,2	46,2	199,2	1,6	DX18-2E2 ..
G4221-25RL-3T08-DX18-P	3	8	25	25	21,1	200,25	46,3	198,8	2,5	DX18-3E3 .. DX18-3F3 ..
G4221-32SL-3T10-DX18-P		10	32	32	26,6	250,25	59,3	248,8	2,5	
G4221-32SL-4T10-DX18-P	4	10	32	32	26,6	250,3	59,3	248,3	3,4	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} [mm]	25	32
	Clamping screw for grooving insert Tightening torque	FS1495 (T20IP) 5 Nm	FS2089 (T25IP) 6 Nm
	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)

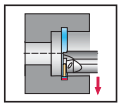
Accessories	D_{min} [mm]	25	32
	Torque screwdriver, analogue	FS2003	FS2003
	Interchangeable blade	FS2015 (T20IP)	FS2016 (T25IP)

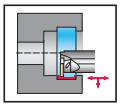
Boring bar – Internal grooving

G4221...-P inch

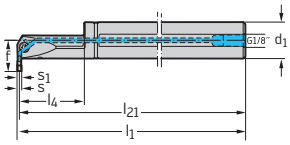
Walter Cut

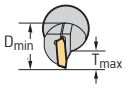
– Screw clamping
– Precision cooling





Tool

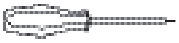




Cylindrical shank

Designation	s inch	T_{max} inch	D_{min} inch	d_1 inch	f inch	l_1 inch	l_4 inch	l_{21} inch	s_1 inch	Type
G4221.16RR-2T08-DX18-P	0,079	0,315	1,000	1,000	0,839	7,882	1,821	7,843	0,063	DX18-2E2 ..
G4221.16RR-3T08-DX18-P	0,118	0,315	1,000	1,000	0,839	7,884	1,821	7,825	0,098	DX18-3E3 .. DX18-3F3 ..
G4221.20SR-3T10-DX18-P		0,394	1,250	1,250	1,043	9,852	2,333	9,793	0,098	
G4221.20SR-4T10-DX18-P	0,157	0,394	1,250	1,250	1,043	9,854	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} [mm]	1	1,25
	Clamping screw for grooving insert Tightening torque	FS1495 (T20IP) 5 Nm	FS2089 (T25IP) 6 Nm
	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)

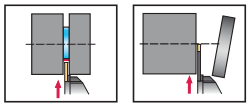
Accessories	D_{min} [mm]	1	1,25
	Torque screwdriver, analogue	FS2004	FS2004
	Interchangeable blade	FS2015 (T20IP)	FS2016 (T25IP)

Grooving module – Radial grooving

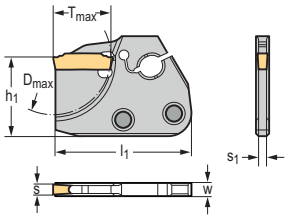
G4635 mm

Walter Cut

– Screw clamping
– Replacement module



Tool

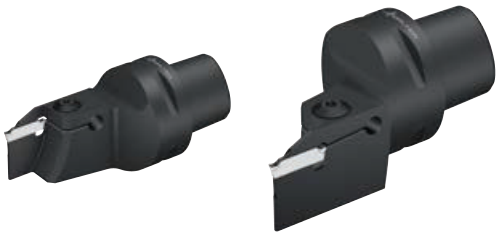


Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Type
G4635-30N-1.5T10DX18	1,5	10	35	24	4	42	1,2	DX18-1E1.5 ..
G4635-30N-2T17DX18	2	17	35	24	4	42	1,6	DX18-2E2 ..
G4635-30N-3T17DX18	3	17	35	24	4	42	2,4	DX18-3E3 .. DX18-3F3 ..

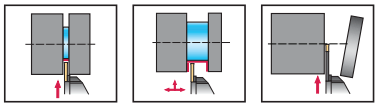
Groove turning holders – Radial grooving

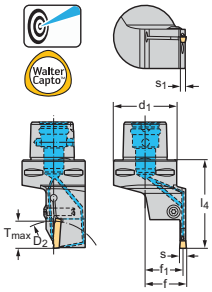
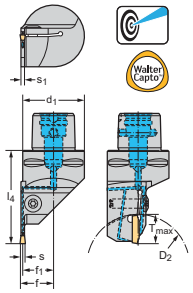
G4011-C...-P mm

Walter Cut

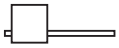


– Walter Capto™
– Screw clamping



Tool	Designation	s mm	T_{max} mm	D_2 mm	d_1	f_1 mm	l_4 mm	s_1 mm	Type
 Walter Capto in accordance with ISO 26623	G4011-C3R-2T17DX18-P	2	17	52	C3	20	55	1,6	DX18-2E2 ..
	G4011-C4R-2T17DX18-P		17	52	C4	20	60	1,6	
 Walter Capto in accordance with ISO 26623	G4011-C3L-2T17DX18-P	2	17	52	C3	20	55	1,6	DX18-2E2 ..
	G4011-C4L-2T17DX18-P		17	52	C4	20	60	1,6	

$f = f_1 + s/2$
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

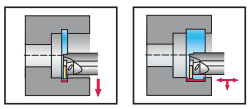
Assembly parts	d_1	C3–C4
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Exchangeable head – Internal grooving

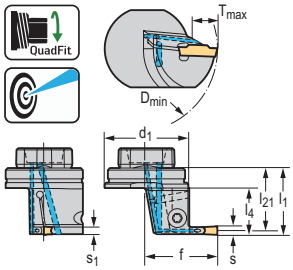
G4221-Q...-P mm

Walter Cut

– QuadFit
– For Accure·tec boring bars

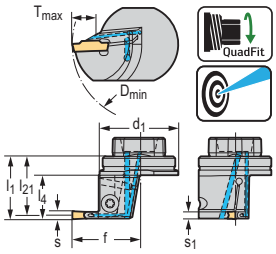


Tool



QuadFit

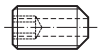
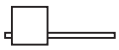
Designation	s mm	T_{max} mm	D_{min} mm	d_1 mm	f mm	l_4 mm	l_{21} mm	s_1 mm	Type
G4221-Q32R-3T12DX18-P	3	12	50	32	29,7	22,4	30,5	2,4	DX18-3E3 .. DX18-3F3 ..
G4221-Q40R-3T12DX18-P		12	55	40	33,7	22,4	30,5	2,4	
G4221-Q50R-3T12DX18-P		12	80	50	38,7	22,3	30,5	2,4	
G4221-Q32R-4T12DX18-P	4	12	50	32	29,7	22,4	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	



QuadFit

Designation	s mm	T_{max} mm	D_{min} mm	d_1 mm	f mm	l_4 mm	l_{21} mm	s_1 mm	Type
G4221-Q32L-3T12DX18-P	3	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	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	

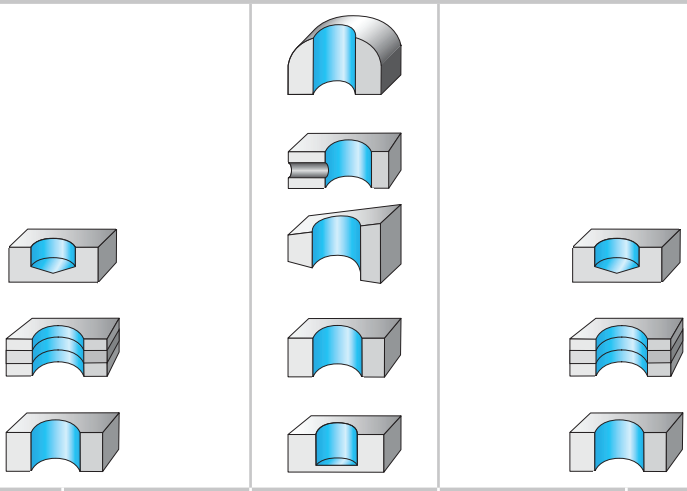
$l_1 = l_{21} + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery

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)

B – Holemaking

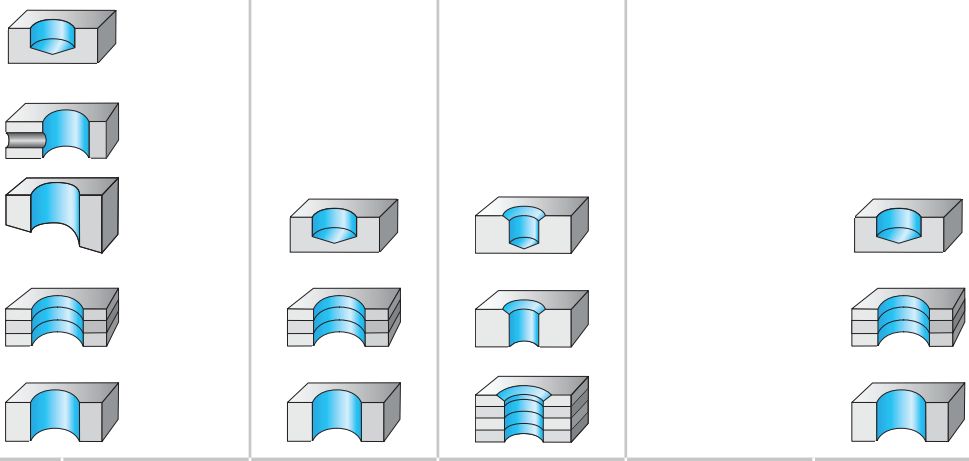
B1

Solid carbide drills – with internal coolant



Drilling depth	2 x D_C	2 x D_C	2 x D_C	3 x D_C	3 x D_C

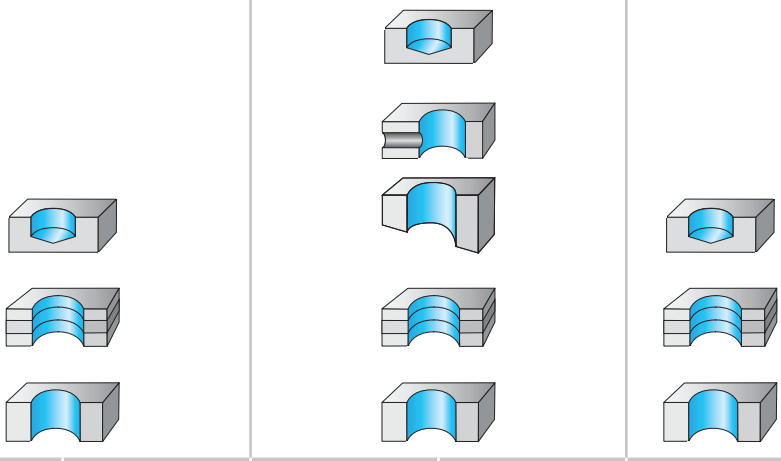
Designation	A6181AML X·treme Pilot 150	A6181TFT XD Pilot	A7191TFT X·treme Pilot 180	A3289DPL X·treme Plus	DC150 Perform
Additional services				Recon	Recon
Standard	Walter	Walter	Walter	DIN 6537 K	DIN 6537 K
Coating / grade	AML	TFT	TFT	DPL	WJ30RE
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA DIN 6535 HE, turned
Diameter range [mm]	2–2,95	3–16	3–20	3–20	3–20
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●●
H Hard materials	●	●	●	●●	●
O Other	●	●	●	●	●
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A6181AML	A6181TFT	A7191TFT	A3289DPL	DC150



	3 x D_C	3 x D_C	3 x D_C	3 x D_C	5 x D_C	5 x D_C	5 x D_C
			NEW				
							
	DC160 Advance X·treme Evo	DC170 Supreme	DC175 Supreme	DC260 Advance X·treme Evo	A3382XPL X·treme CI	A3389AML X·treme M	A3389DPL X·treme Plus
	Recon	Recon	Recon	Recon	Recon	Recon	Recon
	DIN 6537 K	DIN 6537 K	DIN 6537 K	Walter	DIN 6537 L	Walter	DIN 6537 L
	WJ30ET	WJ30EJ	WJ30RZ	WJ30ET	XPL	AML	DPL
	DIN 6535 HA DIN 6535 HE	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA DIN 6535 HE	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	3–20	3–20	3–20	3,3–14	3–20	2–2,95	3–20
	●●	●●	●	●●		●●	●●
	●		●●	●		●●	●●
	●●	●●		●●	●●	●●	●●
	●●		●	●●	●	●●	●●
	●●		●●	●●		●●	●●
	●	●		●		●	●●
	●		●	●		●	●
			154				
	DC160	DC170	DC175	DC260	A3382XPL	A3389AML	A3389DPL

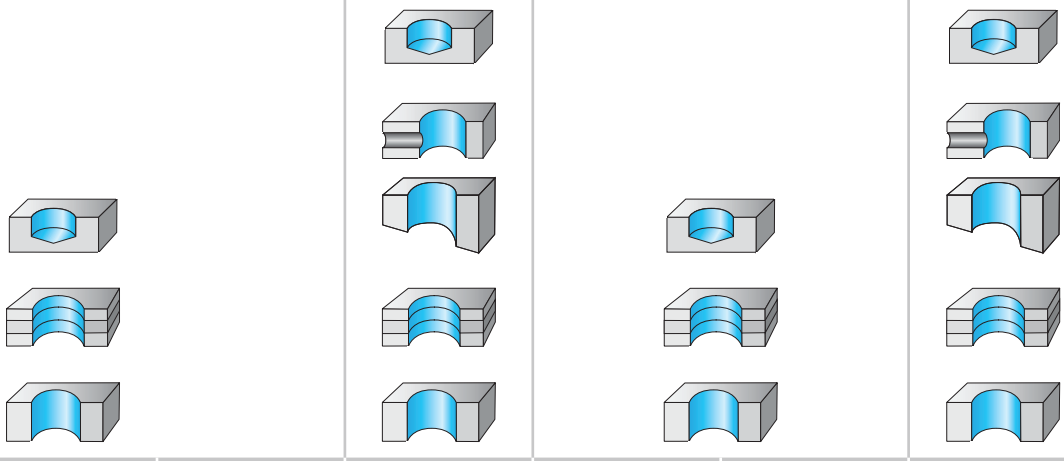
B1

Solid carbide drills – with internal coolant



NEW

Drilling depth	5 x D_C	5 x D_C	5 x D_C	5 x D_C	5 x D_C
Designation	DB133 Supreme	DC150 Perform	DC160 Advance X·treme Evo	DC170 Supreme	DC175 Supreme
Additional services		Recon	Recon	Recon	Recon
Standard	Walter	DIN 6537 L	DIN 6537 L	DIN 6537 L	Walter
Coating / grade	WJ30EL	WJ30RE	WJ30ET	WJ30EJ	WJ30RZ
Shank	DIN 6535 HA	DIN 6535 HA DIN 6535 HE, turned	DIN 6535 HA DIN 6535 HE	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	0,7–1,98	3–20	3–25	3–20	3–20
P Steel	●●	●●	●●	●●	●
M Stainless steel	●●	●	●		●●
K Cast iron	●●	●●	●●	●●	
N NF metals	●●	●●	●●		●
S Materials with difficult cutting properties	●	●●	●●		●●
H Hard materials	●	●	●	●	
O Other	●	●	●		●
Page in catalogue					158
QR code					
www.walter-tools.com/woc/	DB133	DC150	DC160	DC170	DC175

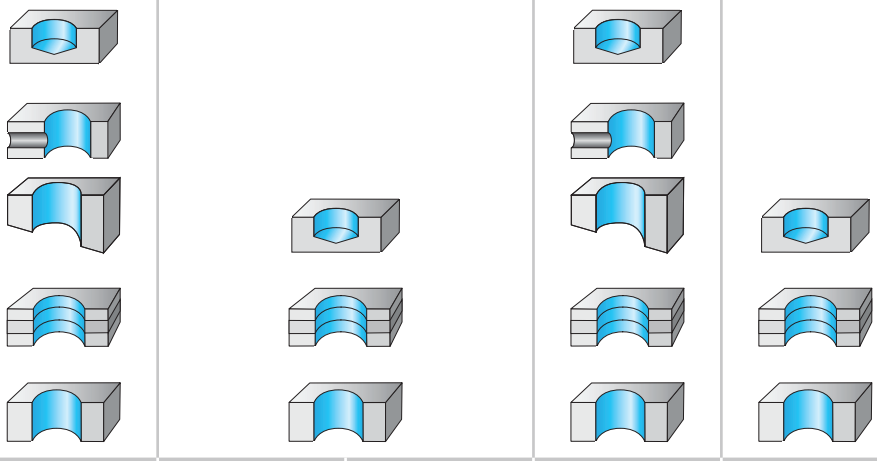


	8 x D_C	8 x D_C	8 x D_C	8 x D_C	8 x D_C	8 x D_C	8 x D_C

	A3486TIP Alpha® 44	A3586TIP Alpha® 44	A6489AMP X·treme DM8	A6489DPP X·treme D8	DB133 Supreme	DC150 Perform	DC160 Advance X·treme Evo
	Recon	Recon	Recon	Recon		Recon	Recon
	Walter	Walter	Walter	Walter	Walter	Walter	Walter
	TIP	TIP	AMP	DPP	WJ30ER	WJ30TA	WJ30ET
	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	5–12	5–12	2–2,95	3–20	0,7–1,98	3–20	3–20
	●●	●●	●●	●●	●●	●●	●●
	●	●	●●	●●	●●	●	●
	●	●	●●	●●	●●	●●	●●
	●●	●●	●●	●●	●●	●●	●●
	●	●	●●	●●	●	●●	●●
			●	●●	●	●	●
	●	●	●	●	●	●	●
	A3486TIP	A3586TIP	A6489AMP	A6489DPP	DB133	DC150	DC160

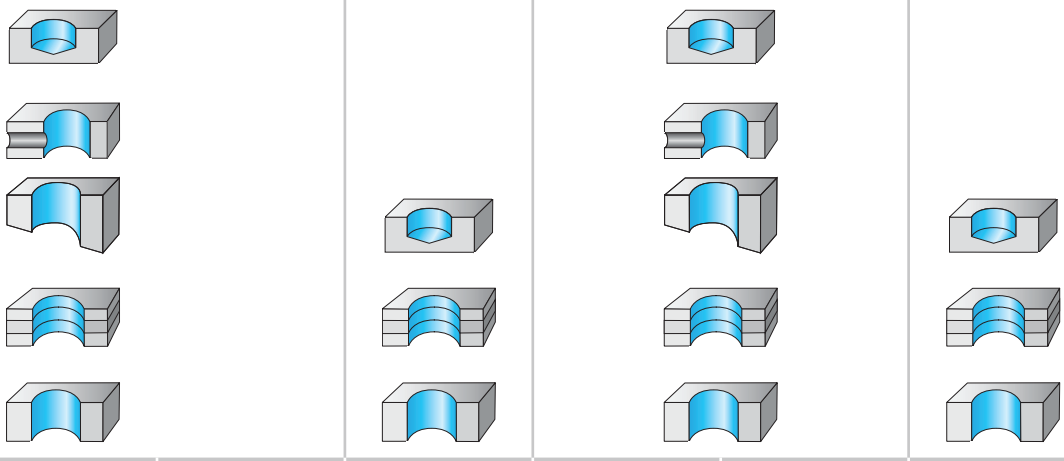
B1

Solid carbide drills – with internal coolant



Drilling depth	8 x D_C	8 x D_C	12 x D_C	12 x D_C	12 x D_C
		NEW			

Designation	DC170 Supreme	DC175 Supreme	A6589AMP X·treme DM12	A6589DPP X·treme D12	DB133 Supreme
Additional services	Recon	Recon	Recon	Recon	
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	WJ30EJ	WJ30RY	AMP	DPP	WJ30ER
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–20	3–16	2–2,9	3–20	0,7–1,98
P Steel	●●	●	●●	●●	●●
M Stainless steel		●●	●●	●●	●●
K Cast iron	●●		●●	●●	●●
N NF metals		●	●●	●●	●●
S Materials with difficult cutting properties		●●	●●	●●	●
H Hard materials	●		●	●●	●
O Other		●	●	●	●
Page in catalogue		162			
QR code					
www.walter-tools.com/woc/	DC170	DC175	A6589AMP	A6589DPP	DB133

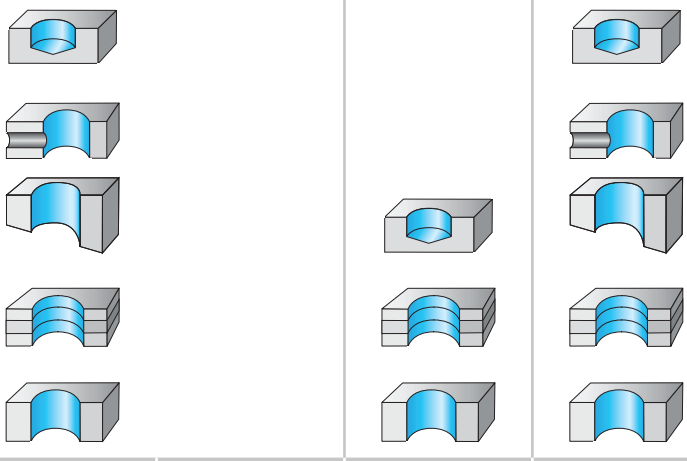


12 x D_C	12 x D_C	12 x D_C	16 x D_C	16 x D_C	16 x D_C	20 x D_C

DC150 Perform	DC160 Advance X·treme Evo	DC170 Supreme	A6689AMP X·treme DM16	DC160 Advance X·treme Evo	DC170 Supreme	A6789AMP X·treme DM20
Recon	Recon	Recon	Recon	Recon	Recon	Recon
Walter	Walter	Walter	Walter	Walter	Walter	Walter
WJ30TA	WJ30EU	WJ30EJ	AMP	WJ30EU	WJ30EJ	AMP
DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
3–20	3–20	3–20	2–2,9	3–16	3–16	2–2,9
●●	●●	●●	●●	●●	●●	●●
●	●		●●	●		●●
●●	●●	●●	●●	●●	●●	●●
●●	●●		●●	●●		●●
●●	●●		●●	●●		●●
●●	●	●	●	●	●	●
●	●		●	●		●
DC150	DC160	DC170	A6689AMP	DC160	DC170	A6789AMP

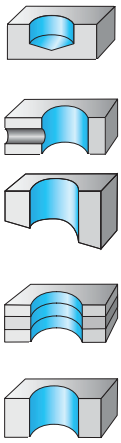
B1

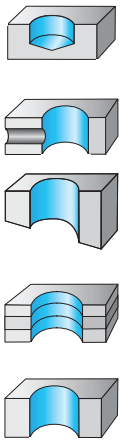
Solid carbide drills – with internal coolant



Drilling depth	20 x D_C	20 x D_C	20 x D_C	25 x D_C	25 x D_C

Designation	A6794TFP X·treme DH20	DC160 Advance X·treme Evo	DC170 Supreme	A6889AMP X·treme DM25	DC160 Advance X·treme Evo
Additional services	Recon	Recon	Recon	Recon	Recon
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	TFP	WJ30EU	WJ30EJ	AMP	WJ30EU
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–10	3–16	3–16	2–2,9	3–12
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●	●		●●	●
K Cast iron	●	●●	●●	●●	●●
N NF metals	●	●●		●●	●●
S Materials with difficult cutting properties	●	●●		●●	●●
H Hard materials	●	●	●	●	●
O Other		●		●	●
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A6794TFP	DC160	DC170	A6889AMP	DC160

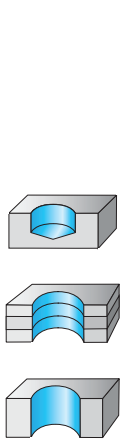


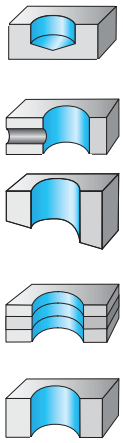


	25 x D_C	30 x D_C	30 x D_C	30 x D_C	30 x D_C	40 x D_C	50 x D_C
							
	DC170 Supreme	A6989AMP X·treme DM30	A6994TFP X·treme DH30	DC160 Advance X·treme Evo	DC170 Supreme	A7495TTP X·treme D40	A7595TTP X·treme D50
	Recon	Recon	Recon	Recon	Recon	Recon	Recon
	Walter	Walter	Walter	Walter	Walter	Walter	Walter
	WJ30EJ	AMP	TFP	WJ30EU	WJ30EJ	TTP	TTP
	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	3–12	2–2,9	3–10	3–12	3–12	3–11	3–9
	●●	●●	●●	●●	●●	●●	●●
		●●	●	●		●	●
	●●	●●	●	●●	●●	●●	●●
		●●	●	●●		●●	●●
		●●	●	●●			
	●	●	●	●	●		
		●		●			
	DC170	A6989AMP	A6994TFP	DC160	DC170	A7495TTP	A7595TTP

B1

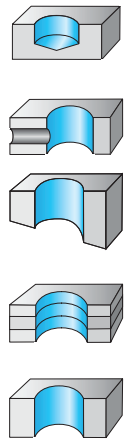
Solid carbide drills – without internal coolant

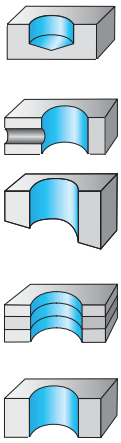
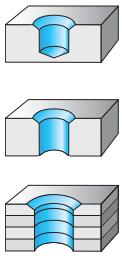




Drilling depth	2 x D_C	3 x D_C	3 x D_C	3 x D_C	3 x D_C	

Designation	DB131 Supreme	A1163	A1166	A1166TIN	A1167A	
Additional services			Recon	Recon	Recon	
Standard	Walter	DIN 6539	Walter	Walter	Walter	
Coating / grade	WJ30EL	uncoated	uncoated	TIN	uncoated	
Shank	DIN 6535 HA	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	
Diameter range [mm]	0,5–1,98	1–12	3–20	3–14	3–20	
P Steel	●●		●	●		
M Stainless steel	●●					
K Cast iron	●●	●			●	
N NF metals	●●	●●	●		●	
S Materials with difficult cutting properties	●	●	●			
H Hard materials	●		●	●		
O Other	●	●●				
Page in catalogue						
QR code						
www.walter-tools.com/woc/	DB131	A1163	A1166	A1166TIN	A1167A	




	3 x D_C	3 x D_C	3 x D_C	3 x D_C	5 x D_C	5 x D_C	5 x D_C



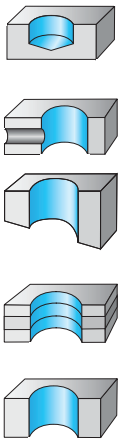




	A1167B	DC150 Perform	DC160 Advance X·treme Evo	DC260 Advance X·treme Evo	DB130 Supreme	DB133 Supreme	DC150 Perform
	Recon	Recon	Recon	Recon			Recon
	Walter	DIN 6537 K	DIN 6537 K	Walter	DIN 1899	Walter	DIN 6537 L
	uncoated	WJ30RE	WJ30ET	WJ30ET	WJ30UU	WJ30EL	WJ30TA
	Cylindrical shank	DIN 6535 HA DIN 6535 HE, turned 180° DIN 6535 HB Cylindrical shank	DIN 6535 HA DIN 6535 HE	DIN 6535 HA DIN 6535 HE	Cylindrical shank	DIN 6535 HA	DIN 6535 HA
	3–20	1,5–20	3–20	3,3–14,5	0,1–1,45	0,5–2,95	3–20
		●●	●●	●●	●●	●●	●●
		●			●●		●
		●●	●●	●●	●●	●●	●●
	●	●	●	●	●●	●●	●
		●	●	●	●●	●	●
		●	●	●		●	●
		●	●	●	●●	●	●
	A1167B	DC150	DC160	DC260	DB130	DB133	DC150

B1

Solid carbide drills – without internal coolant



Drilling depth	5 x D_C	8 x D_C	8 x D_C	8 x D_C

Designation	DC160 Advance X·treme Evo	A1263	A1276TFL Alpha® 22	DB133 Supreme
Additional services	Recon		Recon	
Standard	DIN 6537 L	DIN 338	DIN 338	Walter
Coating / grade	WJ30ET	uncoated	TFL	WJ30ER
Shank	DIN 6535 HA DIN 6535 HE	Cylindrical shank	Cylindrical shank	DIN 6535 HA
Diameter range [mm]	3–25	0,6–12	3–12	0,5–2,95
P Steel	●●		●●	●●
M Stainless steel				
K Cast iron	●●	●	●●	●●
N NF metals	●	●●	●●	●●
S Materials with difficult cutting properties	●	●	●	●
H Hard materials	●			●
O Other	●	●●		●
Page in catalogue				
QR code				
www.walter-tools.com/woc/	DC160	A1263	A1276TFL	DB133

B1

HSS drilling and reaming tools

Drilling depth	3 x D_C	3 x D_C	3 x D_C	5 x D_C	5 x D_C
					
Designation	A1148 UFL®	A1149XPL UFL®	A1154TFT VA Inox	A3143	A3153
Additional services			Recon		
Standard	DIN 1897	DIN 1897	DIN 1897	DIN 1899	DIN 1899
Coating / grade	uncoated	XPL	TFT	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range [mm]	1–20	1–20	2–16	0,05–1,45	0,15–1,4
P Steel	●●	●●	●	●●	●●
M Stainless steel	●●	●●	●●	●	●
K Cast iron	●●	●●		●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting	●●	●	●	●●	●●
H Hard materials					
O Other	●	●	●	●	●
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A1148	A1149XPL	A1154TFT	A3143	A3153

	8 x D_C	8 x D_C	8 x D_C	8 x D_C	8 x D_C	8 x D_C	8 x D_C
							
	A1211	A1211TIN	A1222 UFL®	A1244 VA	A1247 Alpha® XE	A1249XPL UFL®	A1254TFT VA Inox
							Recon
	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338
	uncoated	TIN	uncoated	uncoated	uncoated	XPL	TFT
	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
	0,2–22	0,5–16	1–16	0,3–15	1–16	1–20	3–16
	●●	●●	●●	●	●●	●●	●
	●	●	●	●●	●●	●●	●●
	●●	●●	●●		●●	●●	
	●	●	●●	●	●●	●●	●●
	●	●	●	●●	●●	●	●
	●	●	●		●	●	●
	A1211	A1211TIN	A1222	A1244	A1247	A1249XPL	A1254TFT

B1

HSS drilling and reaming tools

Drilling depth	8 x D_C	8 x D_C	8 x D_C	12 x D_C	12 x D_C
					
Designation	A4244 VA	A4247 Alpha® XE	DA110 Perform	A1511	A1522 UFL®
Additional services					
Standard	DIN 345	DIN 345	DIN 338	DIN 340	DIN 340
Coating / grade	uncoated	uncoated	WZ90AJ	uncoated	uncoated
Shank	Morse taper	Morse taper	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range [mm]	10–32	10–40	1–16	0,5–22	1–22,23
P Steel	●	●●	●●	●	●●
M Stainless steel	●●	●●	●	●	●
K Cast iron		●●	●●	●	●●
N NF metals	●	●●	●	●	●●
S Materials with difficult cutting properties	●●	●●		●	●
H Hard materials					
O Other		●	●	●	●
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A4244	A4247	DA110	A1511	A1522

	12 x D_C	12 x D_C	12 x D_C	12 x D_C	16 x D_C	16 x D_C	16 x D_C
							
	A1544 VA	A1547 Alpha® XE	A1549TFP UFL®	A4422 UFL®	A1622 UFL®	A4611	A4622 UFL®
				Recon	Recon		Recon
	DIN 340	DIN 340	DIN 340	DIN 341	DIN 1869 I	DIN 1870 I	DIN 1870 I
	uncoated	uncoated	TFP	uncoated	uncoated	uncoated	uncoated
	Cylindrical shank	Cylindrical shank	Cylindrical shank	Morse taper	Cylindrical shank	Morse taper	Morse taper
	1–12	1–12,7	1–12	10–31	2–12,7	8–40	12–30
	●	●	●●	●●	●●	●	●●
	●●	●●	●●	●	●	●	●
		●●	●●	●●	●●	●	●●
	●	●	●●	●●	●●	●	●●
	●●	●●	●	●	●	●	●
		●	●	●	●	●	●
	A1544	A1547	A1549TFP	A4422	A1622	A4611	A4622

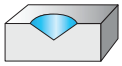
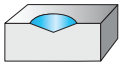
B1

HSS drilling and reaming tools

Drilling depth	22 x D_C	22 x D_C	30 x D_C	60 x D_C	85 x D_C
Designation	A1722 UFL®	A4722 UFL®	A1822 UFL®	A1922S UFL®	A1922L UFL®
Additional services	Recon	Recon	Recon	Recon	Recon
Standard	DIN 1869 II	DIN 1870 II	DIN 1869 III	Walter	Walter
Coating / grade	uncoated	uncoated	uncoated	uncoated	uncoated
Shank	Cylindrical shank	Morse taper	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range [mm]	3–12	8–40	3,5–12	6–14	8–12
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●	●	●	●	●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●	●	●	●	●
H Hard materials					
O Other	●	●	●	●	●
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A1722	A4722	A1822	A1922S	A1922L

B1

Solid carbide and HSS NC centre drills

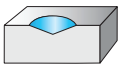



Countersink angle	90°	90°	90°	90°	120°





Designation	A1115	A1115L	A1115S	A1174	A1114
Additional services				Recon	
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	uncoated	uncoated	uncoated	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range [mm]	4–20	4–25,4	2–25,4	3–20	4–20
P Steel	●●	●●	●●		●●
M Stainless steel	●	●	●		●
K Cast iron	●●	●●	●●	●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting	●	●	●	●●	●
H Hard materials					
O Other	●●	●●	●●	●●	●●
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A1115	A1115L	A1115S	A1174	A1114



	120°	120°	120°
			
	A1114L	A1114S	A1174C
			Recon
	Walter	Walter	Walter
	uncoated	uncoated	uncoated
	Cylindrical shank	Cylindrical shank	Cylindrical shank
	4–12,7	2–25,4	3–20
	●●	●●	
	●	●	
	●●	●●	●
	●●	●●	●●
	●	●	●●
	●●	●●	●●
	A1114L	A1114S	A1174C

B1

Solid carbide and HSS centre drills

Shape	A	A	A	A	A

Designation	K1111	K1111TIN	K1112	K1131	K1161
Additional services					
Standard	DIN 333-A	DIN 333-A	DIN 333-A	DIN 333-A	DIN 333-A
Coating / grade	uncoated	TIN	uncoated	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank with flat	Cylindrical shank	Cylindrical shank
Diameter range [mm]	0,5–12,5	1–5	1,6–5	0,5–6,3	0,5–6,3
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●●
H Hard materials					●
O Other	●●	●●	●●	●●	●●
Page in catalogue					
QR code	K1111	K1111TIN	K1112	K1131	K1161

www.walter-tools.com/woc/

B1

A	A	A	A	A	A	A
						
K1161XPL	**K1311**	**K1411L**	**K1411M**	**K1411S**	**K1811**	**K1911**
DIN 333-A	WALTER STANDARD	WALTER STANDARD	WALTER STANDARD	WALTER STANDARD	ANSI B94.11	B.S. 328
XPL	uncoated	uncoated	uncoated	uncoated	uncoated	uncoated
Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
0,5–6,3	0,63–6	2–4	0,75–4	0,75–5	0,64–7,94	1,19–7,94
●●	●●	●●	●●	●●	●●	●●
●●	●●	●●	●●	●●	●●	●●
●●	●●	●●	●●	●●	●●	●●
●●	●●	●●	●●	●●	●●	●●
●●	●●	●●	●●	●●	●●	●●
●●						
●●	●●	●●	●●	●●	●●	●●
K1161XPL	K1311	K1411L	K1411M	K1411S	K1811	K1911

B1

Solid carbide and HSS centre drills

Shape	B	R	R	R	R
					
Designation	K1215	K1113	K1113TIN	K1114	K1313
Additional services					
Standard	DIN 333-B	DIN 333-R	DIN 333-R	DIN 333-R	WALTER STANDARD
Coating / grade	uncoated	uncoated	TIN	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank with flat	Cylindrical shank
Diameter range [mm]	1–10	0,5–10	1–5	1,6–5	1–4
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●●
H Hard materials					
O Other	●●	●●	●●	●●	●●
Page in catalogue					
QR code					
www.walter-tools.com/woc/	K1215	K1113	K1113TIN	K1114	K1313

Designation key for Walter Titex solid drills

D	C	1	75	–	05	–	03.000	A	1	–	W	J	30	RZ
1	2	3	4		5		6	7	8		9	Grade		

1 – Tool group

D	Drilling

2 – Generation

3 – Tool type

1	Cylindrical drill
2	Chamfer drill

4 – Tool type

10	Perform type N
50	Perform Universal
30	Advance micro drill
60	Advance Universal
31	Supreme micro pilot drill
33	Supreme micro drill
70	Supreme ISO P, ISO K
75	Supreme ISO M, ISO S

5 – 1. Delimiters

–	Metric
.	Inch

6 – Drilling depth

03	≈ 3 × D_c in accordance with DIN 6537 short	16	≈ 16 × D_c in accordance with Walter standard
05	≈ 5 × D_c in accordance with DIN 6537 long or in accordance with Walter standard	20	≈ 20 × D_c in accordance with Walter standard
08	≈ 8 × D_c in accordance with Walter standard in accordance with DIN 338	25	≈ 25 × D_c in accordance with Walter standard
12	≈ 12 × D_c in accordance with Walter standard	30	≈ 30 × D_c in accordance with Walter standard

7 – Cutting diameter

8 – Shank type

A	DIN 6535 HA cylindrical shank
F	DIN 6535 HE cylindrical shank
U	Cylindrical shank
D	DIN 6535 HB/ DIN 6535 HE cylindrical shank

9 – Cooling

0	External coolant
1	Axial internal coolant

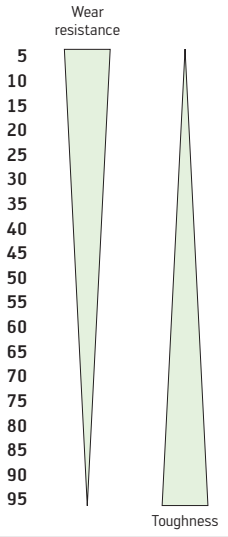
Grade designation key for solid carbide and HSS cutting tool materials

W	J	30	RZ
Walter	1	2	3

1 – Substrate

Solid carbide	J
HSS	Z

2 – Application range

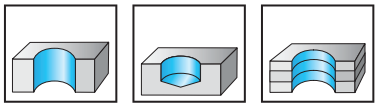


3 – Coating

UU	Uncoated
EJ	TiAlN (AlCrN)
RE	TiAlN
TA	TiAlN
EL	AlCrN
ER	AlCrN point coating
ET	TiSiAlCrN/AlTiN
EU	TiSiAlCrN/AlTiN – point coating
AJ	TiN – point coating
RZ	TiAlSiN – (HiPIMS)
RY	TiAlSiN – (HiPIMS) point coating

Solid carbide twist drill
DC175 Supreme

– Walter Precision cooling

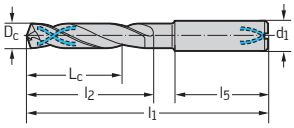


3×D_c | DIN 6537 K | 140°

	P	M	K	N	S	H	O
WJ30RZ	●	●●		●	●●		●

B1

Tool

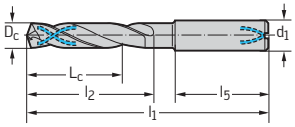


DIN 6535 HA

Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-03-03.000A1-	3	14	62	20	36	6	
★ DC175-03-03.100A1-	3,1	14	62	20	36	6	
★ DC175-03-03.175A1-	3,175	14	62	20	36	6	
★ DC175-03-03.200A1-	3,2	14	62	20	36	6	
★ DC175-03-03.250A1-	3,25	14	62	20	36	6	
★ DC175-03-03.300A1-	3,3	14	62	20	36	6	
★ DC175-03-03.400A1-	3,4	14	62	20	36	6	
★ DC175-03-03.500A1-	3,5	14	62	20	36	6	
★ DC175-03-03.572A1-	3,572	14	62	20	36	6	
★ DC175-03-03.600A1-	3,6	14	62	20	36	6	
★ DC175-03-03.700A1-	3,7	14	62	20	36	6	
★ DC175-03-03.800A1-	3,8	17	66	24	36	6	
★ DC175-03-03.900A1-	3,9	17	66	24	36	6	
★ DC175-03-03.969A1-	3,969	17	66	24	36	6	
★ DC175-03-04.000A1-	4	17	66	24	36	6	
★ DC175-03-04.100A1-	4,1	17	66	24	36	6	
★ DC175-03-04.200A1-	4,2	17	66	24	36	6	
★ DC175-03-04.300A1-	4,3	17	66	24	36	6	
★ DC175-03-04.366A1-	4,366	17	66	24	36	6	
★ DC175-03-04.400A1-	4,4	17	66	24	36	6	
★ DC175-03-04.500A1-	4,5	17	66	24	36	6	
★ DC175-03-04.600A1-	4,6	17	66	24	36	6	
★ DC175-03-04.650A1-	4,65	17	66	24	36	6	
★ DC175-03-04.700A1-	4,7	17	66	24	36	6	
★ DC175-03-04.763A1-	4,763	20	66	28	36	6	
★ DC175-03-04.800A1-	4,8	20	66	28	36	6	
★ DC175-03-04.900A1-	4,9	20	66	28	36	6	
★ DC175-03-05.000A1-	5	20	66	28	36	6	
★ DC175-03-05.100A1-	5,1	20	66	28	36	6	
★ DC175-03-05.159A1-	5,159	20	66	28	36	6	
★ DC175-03-05.200A1-	5,2	20	66	28	36	6	
★ DC175-03-05.300A1-	5,3	20	66	28	36	6	
★ DC175-03-05.400A1-	5,4	20	66	28	36	6	
★ DC175-03-05.500A1-	5,5	20	66	28	36	6	
★ DC175-03-05.550A1-	5,55	20	66	28	36	6	
★ DC175-03-05.556A1-	5,556	20	66	28	36	6	

Tool

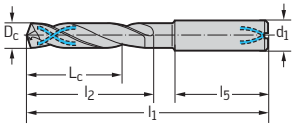
DIN 6535 HA



Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-03-05.600A1-	5,6	20	66	28	36	6	
★ DC175-03-05.700A1-	5,7	20	66	28	36	6	
★ DC175-03-05.800A1-	5,8	20	66	28	36	6	
★ DC175-03-05.900A1-	5,9	20	66	28	36	6	
★ DC175-03-05.953A1-	5,953	20	66	28	36	6	
★ DC175-03-06.000A1-	6	20	66	28	36	6	
★ DC175-03-06.100A1-	6,1	24	79	34	36	8	
★ DC175-03-06.200A1-	6,2	24	79	34	36	8	
★ DC175-03-06.300A1-	6,3	24	79	34	36	8	
★ DC175-03-06.350A1-	6,35	24	79	34	36	8	
★ DC175-03-06.400A1-	6,4	24	79	34	36	8	
★ DC175-03-06.500A1-	6,5	24	79	34	36	8	
★ DC175-03-06.600A1-	6,6	24	79	34	36	8	
★ DC175-03-06.700A1-	6,7	24	79	34	36	8	
★ DC175-03-06.747A1-	6,747	24	79	34	36	8	
★ DC175-03-06.800A1-	6,8	24	79	34	36	8	
★ DC175-03-06.900A1-	6,9	24	79	34	36	8	
★ DC175-03-07.000A1-	7	24	79	34	36	8	
★ DC175-03-07.100A1-	7,1	29	79	41	36	8	
★ DC175-03-07.144A1-	7,144	29	79	41	36	8	
★ DC175-03-07.200A1-	7,2	29	79	41	36	8	
★ DC175-03-07.300A1-	7,3	29	79	41	36	8	
★ DC175-03-07.400A1-	7,4	29	79	41	36	8	
★ DC175-03-07.500A1-	7,5	29	79	41	36	8	
★ DC175-03-07.541A1-	7,541	29	79	41	36	8	
★ DC175-03-07.600A1-	7,6	29	79	41	36	8	
★ DC175-03-07.700A1-	7,7	29	79	41	36	8	
★ DC175-03-07.800A1-	7,8	29	79	41	36	8	
★ DC175-03-07.900A1-	7,9	29	79	41	36	8	
★ DC175-03-07.938A1-	7,938	29	79	41	36	8	
★ DC175-03-08.000A1-	8	29	79	41	36	8	
★ DC175-03-08.100A1-	8,1	35	89	47	40	10	
★ DC175-03-08.200A1-	8,2	35	89	47	40	10	
★ DC175-03-08.300A1-	8,3	35	89	47	40	10	
★ DC175-03-08.334A1-	8,334	35	89	47	40	10	
★ DC175-03-08.400A1-	8,4	35	89	47	40	10	
★ DC175-03-08.500A1-	8,5	35	89	47	40	10	
★ DC175-03-08.600A1-	8,6	35	89	47	40	10	
★ DC175-03-08.700A1-	8,7	35	89	47	40	10	
★ DC175-03-08.731A1-	8,731	35	89	47	40	10	
★ DC175-03-08.800A1-	8,8	35	89	47	40	10	
★ DC175-03-08.900A1-	8,9	35	89	47	40	10	
★ DC175-03-09.000A1-	9	35	89	47	40	10	
★ DC175-03-09.100A1-	9,1	35	89	47	40	10	
★ DC175-03-09.128A1-	9,128	35	89	47	40	10	
★ DC175-03-09.200A1-	9,2	35	89	47	40	10	
★ DC175-03-09.300A1-	9,3	35	89	47	40	10	
★ DC175-03-09.400A1-	9,4	35	89	47	40	10	
★ DC175-03-09.500A1-	9,5	35	89	47	40	10	

Tool

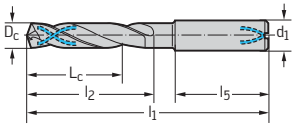
DIN 6535 HA



Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-03-09.525A1-	9,525	35	89	47	40	10	
★ DC175-03-09.600A1-	9,6	35	89	47	40	10	
★ DC175-03-09.700A1-	9,7	35	89	47	40	10	
★ DC175-03-09.800A1-	9,8	35	89	47	40	10	
★ DC175-03-09.900A1-	9,9	35	89	47	40	10	
★ DC175-03-09.922A1-	9,922	35	89	47	40	10	
★ DC175-03-10.000A1-	10	35	89	47	40	10	
★ DC175-03-10.100A1-	10,1	40	102	55	45	12	
★ DC175-03-10.200A1-	10,2	40	102	55	45	12	
★ DC175-03-10.300A1-	10,3	40	102	55	45	12	
★ DC175-03-10.319A1-	10,319	40	102	55	45	12	
★ DC175-03-10.400A1-	10,4	40	102	55	45	12	
★ DC175-03-10.500A1-	10,5	40	102	55	45	12	
★ DC175-03-10.600A1-	10,6	40	102	55	45	12	
★ DC175-03-10.700A1-	10,7	40	102	55	45	12	
★ DC175-03-10.716A1-	10,716	40	102	55	45	12	
★ DC175-03-10.800A1-	10,8	40	102	55	45	12	
★ DC175-03-10.900A1-	10,9	40	102	55	45	12	
★ DC175-03-11.000A1-	11	40	102	55	45	12	
★ DC175-03-11.100A1-	11,1	40	102	55	45	12	
★ DC175-03-11.113A1-	11,113	40	102	55	45	12	
★ DC175-03-11.200A1-	11,2	40	102	55	45	12	
★ DC175-03-11.300A1-	11,3	40	102	55	45	12	
★ DC175-03-11.400A1-	11,4	40	102	55	45	12	
★ DC175-03-11.500A1-	11,5	40	102	55	45	12	
★ DC175-03-11.509A1-	11,509	40	102	55	45	12	
★ DC175-03-11.600A1-	11,6	40	102	55	45	12	
★ DC175-03-11.700A1-	11,7	40	102	55	45	12	
★ DC175-03-11.800A1-	11,8	40	102	55	45	12	
★ DC175-03-11.900A1-	11,9	40	102	55	45	12	
★ DC175-03-12.000A1-	12	40	102	55	45	12	
★ DC175-03-12.100A1-	12,1	43	107	60	45	14	
★ DC175-03-12.200A1-	12,2	43	107	60	45	14	
★ DC175-03-12.300A1-	12,3	43	107	60	45	14	
★ DC175-03-12.303A1-	12,303	43	107	60	45	14	
★ DC175-03-12.500A1-	12,5	43	107	60	45	14	
★ DC175-03-12.600A1-	12,6	43	107	60	45	14	
★ DC175-03-12.700A1-	12,7	43	107	60	45	14	
★ DC175-03-12.900A1-	12,9	43	107	60	45	14	
★ DC175-03-13.000A1-	13	43	107	60	45	14	
★ DC175-03-13.100A1-	13,1	43	107	60	45	14	
★ DC175-03-13.300A1-	13,3	43	107	60	45	14	
★ DC175-03-13.494A1-	13,494	43	107	60	45	14	
★ DC175-03-13.500A1-	13,5	43	107	60	45	14	
★ DC175-03-13.800A1-	13,8	43	107	60	45	14	
★ DC175-03-14.000A1-	14	43	107	60	45	14	
★ DC175-03-14.200A1-	14,2	45	115	65	48	16	
★ DC175-03-14.288A1-	14,288	45	115	65	48	16	
★ DC175-03-14.500A1-	14,5	45	115	65	48	16	

Tool

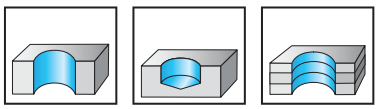
DIN 6535 HA



Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-03-14.750A1-	14,75	45	115	65	48	16	
★ DC175-03-15.000A1-	15	45	115	65	48	16	
★ DC175-03-15.100A1-	15,1	45	115	65	48	16	
★ DC175-03-15.200A1-	15,2	45	115	65	48	16	
★ DC175-03-15.300A1-	15,3	45	115	65	48	16	
★ DC175-03-15.500A1-	15,5	45	115	65	48	16	
★ DC175-03-15.800A1-	15,8	45	115	65	48	16	
★ DC175-03-16.000A1-	16	45	115	65	48	16	
★ DC175-03-16.500A1-	16,5	51	123	73	48	18	
★ DC175-03-17.500A1-	17,5	51	123	73	48	18	
★ DC175-03-18.000A1-	18	51	123	73	48	18	
★ DC175-03-18.500A1-	18,5	55	131	79	50	20	
★ DC175-03-19.000A1-	19	55	131	79	50	20	
★ DC175-03-19.500A1-	19,5	55	131	79	50	20	
★ DC175-03-20.000A1-	20	55	131	79	50	20	

Solid carbide twist drill
DC175 Supreme

– Walter Precision cooling

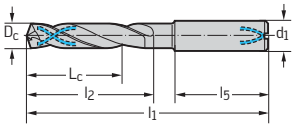


5×D_c | DIN 6537 L | 140°

B1

	P	M	K	N	S	H	O
WJ30RZ	●	●●		●	●●		●

Tool



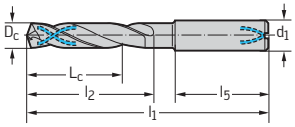
DIN 6535 HA

Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-05-03.000A1-	3	19	66	24	36	6	
★ DC175-05-03.100A1-	3,1	19	66	24	36	6	
★ DC175-05-03.175A1-	3,175	19	66	24	36	6	
★ DC175-05-03.200A1-	3,2	19	66	24	36	6	
★ DC175-05-03.250A1-	3,25	19	66	24	36	6	
★ DC175-05-03.300A1-	3,3	19	66	24	36	6	
★ DC175-05-03.400A1-	3,4	19	66	24	36	6	
★ DC175-05-03.500A1-	3,5	19	66	24	36	6	
★ DC175-05-03.572A1-	3,572	19	66	24	36	6	
★ DC175-05-03.600A1-	3,6	19	66	24	36	6	
★ DC175-05-03.700A1-	3,7	19	66	24	36	6	
★ DC175-05-03.800A1-	3,8	29	74	36	36	6	
★ DC175-05-03.900A1-	3,9	29	74	36	36	6	
★ DC175-05-03.969A1-	3,969	29	74	36	36	6	
★ DC175-05-04.000A1-	4	29	74	36	36	6	
★ DC175-05-04.100A1-	4,1	29	74	36	36	6	
★ DC175-05-04.200A1-	4,2	29	74	36	36	6	
★ DC175-05-04.300A1-	4,3	29	74	36	36	6	
★ DC175-05-04.366A1-	4,366	29	74	36	36	6	
★ DC175-05-04.400A1-	4,4	29	74	36	36	6	
★ DC175-05-04.500A1-	4,5	29	74	36	36	6	
★ DC175-05-04.600A1-	4,6	29	74	36	36	6	
★ DC175-05-04.650A1-	4,65	29	74	36	36	6	
★ DC175-05-04.700A1-	4,7	29	74	36	36	6	
★ DC175-05-04.763A1-	4,763	35	82	44	36	6	
★ DC175-05-04.800A1-	4,8	35	82	44	36	6	
★ DC175-05-04.900A1-	4,9	35	82	44	36	6	
★ DC175-05-05.000A1-	5	35	82	44	36	6	
★ DC175-05-05.100A1-	5,1	35	82	44	36	6	
★ DC175-05-05.159A1-	5,159	35	82	44	36	6	
★ DC175-05-05.200A1-	5,2	35	82	44	36	6	
★ DC175-05-05.300A1-	5,3	35	82	44	36	6	
★ DC175-05-05.400A1-	5,4	35	82	44	36	6	
★ DC175-05-05.500A1-	5,5	35	82	44	36	6	
★ DC175-05-05.550A1-	5,55	35	82	44	36	6	
★ DC175-05-05.556A1-	5,556	35	82	44	36	6	

With diameters of 3–3.75, overall length in accordance with DIN 6537 L, flutes shortened compared to DIN 6537 L

Tool

DIN 6535 HA

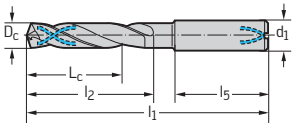


Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-05-05.600A1-	5,6	35	82	44	36	6	
★ DC175-05-05.700A1-	5,7	35	82	44	36	6	
★ DC175-05-05.800A1-	5,8	35	82	44	36	6	
★ DC175-05-05.900A1-	5,9	35	82	44	36	6	
★ DC175-05-05.953A1-	5,953	35	82	44	36	6	
★ DC175-05-06.000A1-	6	35	82	44	36	6	
★ DC175-05-06.100A1-	6,1	43	91	53	36	8	
★ DC175-05-06.200A1-	6,2	43	91	53	36	8	
★ DC175-05-06.300A1-	6,3	43	91	53	36	8	
★ DC175-05-06.350A1-	6,35	43	91	53	36	8	
★ DC175-05-06.400A1-	6,4	43	91	53	36	8	
★ DC175-05-06.500A1-	6,5	43	91	53	36	8	
★ DC175-05-06.600A1-	6,6	43	91	53	36	8	
★ DC175-05-06.700A1-	6,7	43	91	53	36	8	
★ DC175-05-06.747A1-	6,747	43	91	53	36	8	
★ DC175-05-06.800A1-	6,8	43	91	53	36	8	
★ DC175-05-06.900A1-	6,9	43	91	53	36	8	
★ DC175-05-07.000A1-	7	43	91	53	36	8	
★ DC175-05-07.100A1-	7,1	43	91	53	36	8	
★ DC175-05-07.144A1-	7,144	43	91	53	36	8	
★ DC175-05-07.200A1-	7,2	43	91	53	36	8	
★ DC175-05-07.300A1-	7,3	43	91	53	36	8	
★ DC175-05-07.400A1-	7,4	43	91	53	36	8	
★ DC175-05-07.500A1-	7,5	43	91	53	36	8	
★ DC175-05-07.541A1-	7,541	43	91	53	36	8	
★ DC175-05-07.600A1-	7,6	43	91	53	36	8	
★ DC175-05-07.700A1-	7,7	43	91	53	36	8	
★ DC175-05-07.800A1-	7,8	43	91	53	36	8	
★ DC175-05-07.900A1-	7,9	43	91	53	36	8	
★ DC175-05-07.938A1-	7,938	43	91	53	36	8	
★ DC175-05-08.000A1-	8	43	91	53	36	8	
★ DC175-05-08.100A1-	8,1	49	103	61	40	10	
★ DC175-05-08.200A1-	8,2	49	103	61	40	10	
★ DC175-05-08.300A1-	8,3	49	103	61	40	10	
★ DC175-05-08.334A1-	8,334	49	103	61	40	10	
★ DC175-05-08.400A1-	8,4	49	103	61	40	10	
★ DC175-05-08.500A1-	8,5	49	103	61	40	10	
★ DC175-05-08.600A1-	8,6	49	103	61	40	10	
★ DC175-05-08.700A1-	8,7	49	103	61	40	10	
★ DC175-05-08.731A1-	8,731	49	103	61	40	10	
★ DC175-05-08.800A1-	8,8	49	103	61	40	10	
★ DC175-05-08.900A1-	8,9	49	103	61	40	10	
★ DC175-05-09.000A1-	9	49	103	61	40	10	
★ DC175-05-09.100A1-	9,1	49	103	61	40	10	
★ DC175-05-09.128A1-	9,128	49	103	61	40	10	
★ DC175-05-09.200A1-	9,2	49	103	61	40	10	
★ DC175-05-09.300A1-	9,3	49	103	61	40	10	
★ DC175-05-09.400A1-	9,4	49	103	61	40	10	
★ DC175-05-09.500A1-	9,5	49	103	61	40	10	

With diameters of 3–3.75, overall length in accordance with DIN 6537 L, flutes shortened compared to DIN 6537 L

Tool

DIN 6535 HA

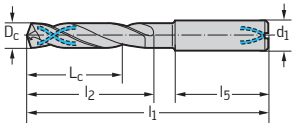


Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-05-09.525A1-	9,525	49	103	61	40	10	
★ DC175-05-09.600A1-	9,6	49	103	61	40	10	
★ DC175-05-09.700A1-	9,7	49	103	61	40	10	
★ DC175-05-09.800A1-	9,8	49	103	61	40	10	
★ DC175-05-09.900A1-	9,9	49	103	61	40	10	
★ DC175-05-09.922A1-	9,922	49	103	61	40	10	
★ DC175-05-10.000A1-	10	49	103	61	40	10	
★ DC175-05-10.100A1-	10,1	56	118	71	45	12	
★ DC175-05-10.200A1-	10,2	56	118	71	45	12	
★ DC175-05-10.300A1-	10,3	56	118	71	45	12	
★ DC175-05-10.319A1-	10,319	56	118	71	45	12	
★ DC175-05-10.400A1-	10,4	56	118	71	45	12	
★ DC175-05-10.500A1-	10,5	56	118	71	45	12	
★ DC175-05-10.600A1-	10,6	56	118	71	45	12	
★ DC175-05-10.700A1-	10,7	56	118	71	45	12	
★ DC175-05-10.716A1-	10,716	56	118	71	45	12	
★ DC175-05-10.800A1-	10,8	56	118	71	45	12	
★ DC175-05-10.900A1-	10,9	56	118	71	45	12	
★ DC175-05-11.000A1-	11	56	118	71	45	12	
★ DC175-05-11.100A1-	11,1	56	118	71	45	12	
★ DC175-05-11.113A1-	11,113	56	118	71	45	12	
★ DC175-05-11.200A1-	11,2	56	118	71	45	12	
★ DC175-05-11.300A1-	11,3	56	118	71	45	12	
★ DC175-05-11.400A1-	11,4	56	118	71	45	12	
★ DC175-05-11.500A1-	11,5	56	118	71	45	12	
★ DC175-05-11.509A1-	11,509	56	118	71	45	12	
★ DC175-05-11.600A1-	11,6	56	118	71	45	12	
★ DC175-05-11.700A1-	11,7	56	118	71	45	12	
★ DC175-05-11.800A1-	11,8	56	118	71	45	12	
★ DC175-05-11.900A1-	11,9	56	118	71	45	12	
★ DC175-05-12.000A1-	12	56	118	71	45	12	
★ DC175-05-12.100A1-	12,1	60	124	77	45	14	
★ DC175-05-12.200A1-	12,2	60	124	77	45	14	
★ DC175-05-12.300A1-	12,3	60	124	77	45	14	
★ DC175-05-12.303A1-	12,303	60	124	77	45	14	
★ DC175-05-12.500A1-	12,5	60	124	77	45	14	
★ DC175-05-12.600A1-	12,6	60	124	77	45	14	
★ DC175-05-12.700A1-	12,7	60	124	77	45	14	
★ DC175-05-12.800A1-	12,8	60	124	77	45	14	
★ DC175-05-13.000A1-	13	60	124	77	45	14	
★ DC175-05-13.100A1-	13,1	60	124	77	45	14	
★ DC175-05-13.300A1-	13,3	60	124	77	45	14	
★ DC175-05-13.494A1-	13,494	60	124	77	45	14	
★ DC175-05-13.500A1-	13,5	60	124	77	45	14	
★ DC175-05-13.800A1-	13,8	60	124	77	45	14	
★ DC175-05-14.000A1-	14	60	124	77	45	14	
★ DC175-05-14.200A1-	14,2	63	133	83	48	16	
★ DC175-05-14.288A1-	14,288	63	133	83	48	16	
★ DC175-05-14.400A1-	14,4	63	133	83	48	16	

With diameters of 3–3.75, overall length in accordance with DIN 6537 L, flutes shortened compared to DIN 6537 L

Tool

DIN 6535 HA

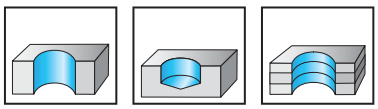


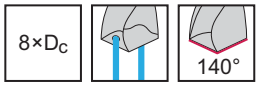
Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-05-14.500A1-	14,5	63	133	83	48	16	
★ DC175-05-14.800A1-	14,8	63	133	83	48	16	
★ DC175-05-15.000A1-	15	63	133	83	48	16	
★ DC175-05-15.100A1-	15,1	63	133	83	48	16	
★ DC175-05-15.300A1-	15,3	63	133	83	48	16	
★ DC175-05-15.500A1-	15,5	63	133	83	48	16	
★ DC175-05-15.800A1-	15,8	63	133	83	48	16	
★ DC175-05-15.875A1-	15,875	63	133	83	48	16	
★ DC175-05-16.000A1-	16	63	133	83	48	16	
★ DC175-05-16.500A1-	16,5	71	143	93	48	18	
★ DC175-05-17.000A1-	17	71	143	93	48	18	
★ DC175-05-17.500A1-	17,5	71	143	93	48	18	
★ DC175-05-18.000A1-	18	71	143	93	48	18	
★ DC175-05-18.500A1-	18,5	77	153	101	50	20	
★ DC175-05-19.000A1-	19	77	153	101	50	20	
★ DC175-05-19.500A1-	19,5	77	153	101	50	20	
★ DC175-05-20.000A1-	20	77	153	101	50	20	

With diameters of 3–3.75, overall length in accordance with DIN 6537 L, flutes shortened compared to DIN 6537 L

Solid carbide twist drill
DC175 Supreme

– Walter Precision cooling

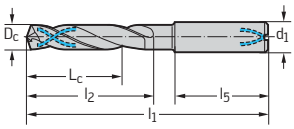




B1

	P	M	K	N	S	H	O
WJ30RY	●	●●		●	●●		●

Tool

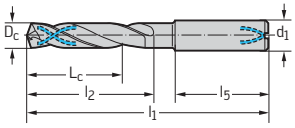


DIN 6535 HA

Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RY
★ DC175-08-03.000A1-	3	28	74	34	36	6	●
★ DC175-08-03.100A1-	3,1	28	74	34	36	6	●
★ DC175-08-03.175A1-	3,175	28	74	34	36	6	●
★ DC175-08-03.200A1-	3,2	28	74	34	36	6	●
★ DC175-08-03.300A1-	3,3	28	74	34	36	6	●
★ DC175-08-03.400A1-	3,4	28	74	34	36	6	●
★ DC175-08-03.500A1-	3,5	28	74	34	36	6	●
★ DC175-08-03.700A1-	3,7	28	74	34	36	6	●
★ DC175-08-03.800A1-	3,8	37	85	45	36	6	●
★ DC175-08-03.900A1-	3,9	37	85	45	36	6	●
★ DC175-08-04.000A1-	4	37	85	45	36	6	●
★ DC175-08-04.100A1-	4,1	37	85	45	36	6	●
★ DC175-08-04.200A1-	4,2	37	85	45	36	6	●
★ DC175-08-04.300A1-	4,3	37	85	45	36	6	●
★ DC175-08-04.500A1-	4,5	37	85	45	36	6	●
★ DC175-08-04.700A1-	4,7	37	85	45	36	6	●
★ DC175-08-04.763A1-	4,763	48	97	57	36	6	●
★ DC175-08-04.800A1-	4,8	48	97	57	36	6	●
★ DC175-08-05.000A1-	5	48	97	57	36	6	●
★ DC175-08-05.100A1-	5,1	48	97	57	36	6	●
★ DC175-08-05.200A1-	5,2	48	97	57	36	6	●
★ DC175-08-05.500A1-	5,5	48	97	57	36	6	●
★ DC175-08-05.600A1-	5,6	48	97	57	36	6	●
★ DC175-08-05.800A1-	5,8	48	97	57	36	6	●
★ DC175-08-06.000A1-	6	48	97	57	36	6	●
★ DC175-08-06.100A1-	6,1	55	106	66	36	8	●
★ DC175-08-06.200A1-	6,2	55	106	66	36	8	●
★ DC175-08-06.300A1-	6,3	55	106	66	36	8	●
★ DC175-08-06.350A1-	6,35	55	106	66	36	8	●
★ DC175-08-06.400A1-	6,4	55	106	66	36	8	●
★ DC175-08-06.500A1-	6,5	55	106	66	36	8	●
★ DC175-08-06.600A1-	6,6	55	106	66	36	8	●
★ DC175-08-06.700A1-	6,7	55	106	66	36	8	●
★ DC175-08-06.800A1-	6,8	55	106	66	36	8	●
★ DC175-08-06.900A1-	6,9	55	106	66	36	8	●
★ DC175-08-07.000A1-	7	55	106	66	36	8	●

Tool

DIN 6535 HA



Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RY
★ DC175-08-07.144A1-	7,144	64	116	76	36	8	
★ DC175-08-07.500A1-	7,5	64	116	76	36	8	
★ DC175-08-07.600A1-	7,6	64	116	76	36	8	
★ DC175-08-07.700A1-	7,7	64	116	76	36	8	
★ DC175-08-08.000A1-	8	64	116	76	36	8	
★ DC175-08-08.100A1-	8,1	80	139	95	40	10	
★ DC175-08-08.200A1-	8,2	80	139	95	40	10	
★ DC175-08-08.400A1-	8,4	80	139	95	40	10	
★ DC175-08-08.500A1-	8,5	80	139	95	40	10	
★ DC175-08-08.600A1-	8,6	80	139	95	40	10	
★ DC175-08-08.700A1-	8,7	80	139	95	40	10	
★ DC175-08-08.800A1-	8,8	80	139	95	40	10	
★ DC175-08-09.000A1-	9	80	139	95	40	10	
★ DC175-08-09.200A1-	9,2	80	139	95	40	10	
★ DC175-08-09.300A1-	9,3	80	139	95	40	10	
★ DC175-08-09.500A1-	9,5	80	139	95	40	10	
★ DC175-08-09.800A1-	9,8	80	139	95	40	10	
★ DC175-08-10.000A1-	10	80	139	95	40	10	
★ DC175-08-10.200A1-	10,2	96	163	114	45	12	
★ DC175-08-10.500A1-	10,5	96	163	114	45	12	
★ DC175-08-11.000A1-	11	96	163	114	45	12	
★ DC175-08-11.500A1-	11,5	96	163	114	45	12	
★ DC175-08-12.000A1-	12	96	163	114	45	12	
★ DC175-08-12.500A1-	12,5	119	182	133	45	14	
★ DC175-08-13.000A1-	13	119	182	133	45	14	
★ DC175-08-14.000A1-	14	119	182	133	45	14	
★ DC175-08-15.000A1-	15	136	204	152	48	16	
★ DC175-08-16.000A1-	16	136	204	152	48	16	

Designation key
for square indexable inserts for drilling from solid

P484	0	C	–	2	R	–	E77
1	2	3		4	5		6

1	
Walter indexable insert designation	
P284	For D3120
P484	For D4120, D4170 and B421 .

2	
Version	
0	Fully ground circumference
1	Fully sintered circumference

3	
Position	
C	Centre insert
P	Outer insert
S	Centre insert and outer insert identical

4	
Insert size	
P284	
1	D_c = 16.00–20.00
2	D_c = 21.00–25.00
3	D_c = 26.00–30.00
4	D_c = 31.00–36.00
5	D_c = 37.00–42.00
6	D_c = 43.00–50.00
7	D_c = 50.50–58.00
P484	
1	D_c = 13.50–16.00
2	D_c = 16.50–20.00
3	D_c = 20.50–24.00
4	D_c = 24.50–29.00
5	D_c = 29.50–35.00
6	D_c = 36.00–42.00
7	D_c = 43.00–50.00
8	D_c = 51.00–59.00

5	
Cutting direction	
R	RH-cutting
N	Neutral

6	
Walter geometry	
A57	The stable one
E57	The universal one
E67	The positive one
E77	The sharp one

Designation key
for indexable drill inserts for drilling from solid

P600	6	–	D 37.99	R	WPP25
1	2		3	4	5

1	
Walter exchangeable-tip drill designation	
P600x	For D4140/ D4240/ B401 . .

2	
Walter geometry	
1	For ISO P
3	For ISO M, ISO S
4	For ISO N
5	For ISO K
6	For ISO P

3	
Insert diameter	
D	In mm

4	
Cutting direction	
R	RH-cutting

5
Coating

B1

Designation key in accordance with ISO 1832 for indexable inserts for drilling from solid

L	C	G	X	06	T2	04	–	E77
1	2	3	4	5	6	7		8

1 Insert shape

L

W

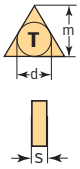
T

2 Clearance angle

C

O

3 Tolerances



Permissible deviation in mm for

	d	m	s
E	± 0,025	± 0,025	± 0,025
M	± 0,05–0,15[1]	± 0,08–0,20[1]	± 0,130

[1] Depending on the insert size (see ISO standard 1832)

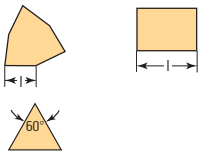
4 Machining and fastening features

A

B

X Drawing or precise description of the indexable insert is required

5 Cutting edge length



6 Insert thickness

02	s = 2,38
T2	s = 2,78
03	s = 3,18
T3	s = 3,97
04	s = 4,76
05	s = 5,56
06	s = 6,35

7 Corner radius

02	r = 0,2 mm
04	r = 0,4 mm
08	r = 0,8 mm

8 Walter geometry

A57	The stable one
E57	The universal one
E67	The positive one
E77	The sharp one

B1

Designation key
for cutting material grades – Holemaking

W	N	N	15	
Walter	1	2	3	4

1 – 1. Primary application or coating type

P	Steel
M	Stainless steel
K	Cast iron
N	NF metals
S	Materials with difficult cutting properties
H	Hard materials
A	CVD aluminium coating
X	PVD coating

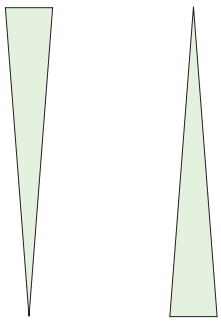
2 – 2. Primary application

P	Steel
M	Stainless steel
K	Cast iron
N	NF metals
S	Materials with difficult cutting properties
H	Hard materials

3 – ISO application range

Wear resistance

01
10
15
20
25
30
35
45



Toughness

4 – Generation

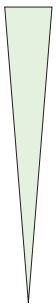
S	Tiger·tec® Silver
C	Color Select
G	Tiger·tec® Gold

Geometry designation key
for indexable inserts for drilling from solid

E	7	7
1	2	3

1 – Chip breaker groove

Smaller

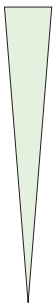


A = 0°
B = 6°
D = 10°
E = 15°
F = 16°
G = 20°
K = 25°

Larger

2 – Cutting edge

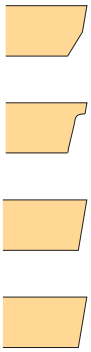
Reinforced



2
5
8

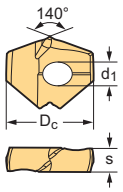
Sharp

3 – Flank face design



5
6
7
8

Exchangeable tip
P6006



Drill inserts

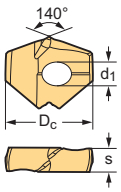
B1

Designation	Number of cutting edges	D_c mm	Seat size	d_1 mm	s mm	P HC WPP25
P6006-D12,00R	2	12	A	3	3,6	
P6006-D12,50R	2	12,5	A	3	3,6	
P6006-D12,70R	2	12,7	A	3	3,6	☺
P6006-D13,00R	2	13	A	3	3,6	☺
P6006-D13,50R	2	13,5	A	3	3,6	
P6006-D13,70R	2	13,7	A	3	3,6	☺
P6006-D14,00R	2	14	B	3	4	☺
P6006-D14,10R	2	14,1	B	3	4	☺
P6006-D14,20R	2	14,2	B	3	4	
P6006-D14,30R	2	14,3	B	3	4	☺
P6006-D14,50R	2	14,5	B	3	4	☺
P6006-D14,68R	2	14,68	B	3	4	☺
P6006-D15,00R	2	15	B	3	4	☺
P6006-D15,09R	2	15,09	B	3	4	☺
P6006-D15,20R	2	15,2	B	3	4	☺
P6006-D15,30R	2	15,3	B	3	4	
P6006-D15,50R	2	15,5	B	3	4	☺
P6006-D15,70R	2	15,7	B	3	4	☺
P6006-D15,87R	2	15,87	B	3	4	☺
P6006-D16,00R	2	16	C	4	4,5	☺
P6006-D16,26R	2	16,26	C	4	4,5	☺
P6006-D16,50R	2	16,5	C	4	4,5	☺
P6006-D16,66R	2	16,66	C	4	4,5	☺
P6006-D16,70R	2	16,7	C	4	4,5	☺
P6006-D17,00R	2	17	C	4	4,5	☺
P6006-D17,07R	2	17,07	C	4	4,5	☺
P6006-D17,45R	2	17,45	C	4	4,5	
P6006-D17,50R	2	17,5	C	4	4,5	☺
P6006-D17,70R	2	17,7	C	4	4,5	☺
P6006-D17,86R	2	17,86	C	4	4,5	
P6006-D18,00R	2	18	D	4	5	☺
P6006-D18,24R	2	18,24	D	4	5	
P6006-D18,50R	2	18,5	D	4	5	☺
P6006-D18,65R	2	18,65	D	4	5	
P6006-D18,70R	2	18,7	D	4	5	☺
P6006-D19,00R	2	19	D	4	5	☺
P6006-D19,05R	2	19,05	D	4	5	☺
P6006-D19,25R	2	19,25	D	4	5	☺
P6006-D19,50R	2	19,5	D	4	5	☺
P6006-D19,70R	2	19,7	D	4	5	
P6006-D19,84R	2	19,84	D	4	5	☺
P6006-D20,00R	2	20	E	5	5,5	
P6006-D20,24R	2	20,24	E	5	5,5	☺

Ordering example: P60.. -D13.00R is available as
P6006 in grade WPP25 (ISO P, unalloyed steel): P6006-D13,00R WPP25

HC = Coated carbide

Exchangeable tip
P6006



Drill inserts

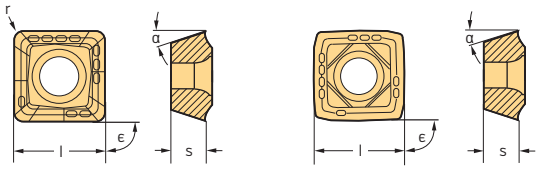
Designation	Number of cutting edges	D_c mm	Seat size	d_1 mm	s mm	P HC WPP25
P6006-D20,50R	2	20,5	E	5	5,5	☺
P6006-D20,62R	2	20,62	E	5	5,5	
P6006-D20,70R	2	20,7	E	5	5,5	☺
P6006-D21,00R	2	21	E	5	5,5	☺
P6006-D21,50R	2	21,5	E	5	5,5	☺
P6006-D21,70R	2	21,7	E	5	5,5	☺
P6006-D22,00R	2	22	F	5	6	☺
P6006-D22,22R	2	22,22	F	5	6	
P6006-D22,50R	2	22,5	F	5	6	
P6006-D22,70R	2	22,7	F	5	6	☺
P6006-D23,00R	2	23	F	5	6	☺
P6006-D23,50R	2	23,5	F	5	6	☺
P6006-D23,80R	2	23,8	F	5	6	
P6006-D24,00R	2	24	G	5	6,5	☺
P6006-D24,50R	2	24,5	G	5	6,5	
P6006-D24,70R	2	24,7	G	5	6,5	☺
P6006-D25,00R	2	25	G	5	6,5	
P6006-D25,25R	2	25,25	G	5	6,5	☺
P6006-D25,40R	2	25,4	G	5	6,5	
P6006-D25,50R	2	25,5	G	5	6,5	☺
P6006-D25,65R	2	25,65	G	5	6,5	☺
P6006-D25,70R	2	25,7	G	5	6,5	☺
P6006-D25,80R	2	25,8	G	5	6,5	☺
P6006-D26,00R	2	26	H	6	7,1	☺
P6006-D26,25R	2	26,25	H	6	7,1	
P6006-D26,50R	2	26,5	H	6	7,1	☺
P6006-D27,00R	2	27	H	6	7,1	☺
P6006-D27,50R	2	27,5	H	6	7,1	☺
P6006-D28,00R	2	28	J	6	7,7	
P6006-D28,50R	2	28,5	J	6	7,7	☺
P6006-D28,57R	2	28,57	J	6	7,7	☺
P6006-D29,00R	2	29	J	6	7,7	☺
P6006-D29,50R	2	29,5	J	6	7,7	
P6006-D30,00R	2	30	K	6	8	
P6006-D30,50R	2	30,5	K	6	8	☺
P6006-D31,00R	2	31	K	6	8	☺
P6006-D31,50R	2	31,5	K	6	8	☺
P6006-D31,75R	2	31,75	K	6	8	
P6006-D31,99R	2	31,99	K	6	8	
P6006-D32,00R	2	32	M	6	8,3	☺
P6006-D33,00R	2	33	M	6	8,3	☺
P6006-D34,00R	2	34	N	6	8,6	☺
P6006-D35,00R	2	35	N	6	8,6	☺
P6006-D36,00R	2	36	P	6	8,9	☺
P6006-D37,00R	2	37	P	6	8,9	☺
P6006-D37,99R	2	37,99	P	6	8,9	☺

Ordering example: P60.. -D13.00R is available as
P6006 in grade WPP25 (ISO P, unalloyed steel): P6006-D13,00R WPP25

HC = Coated carbide

B1

Square
P484 .

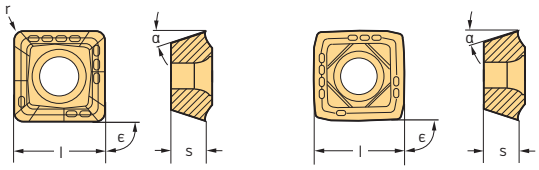


Indexable inserts

	Designation	Number of cutting edges	l mm	r mm	α	ε	mm	N HC WNN15
	P4840C-1R-E77	4	4,9	0,29	11°	90°		
	P4840C-2R-E77	4	5,95	0,34	11°	90°		
	P4840C-3R-E77	4	7	0,4	11°	90°		
	P4840C-4R-E77	4	8,4	0,48	11°	90°		
	P4840C-5R-E77	4	10,29	0,59	11°	90°		
	P4840C-6R-E77	4	12,24	0,7	11°	90°		
	P4840C-7R-E77	4	14,69	0,8	11°	90°		
	P4840C-8R-E77	4	17,49	1	11°	90°		

=
HC = Coated carbide

Square
P484 .

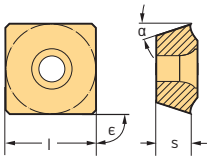


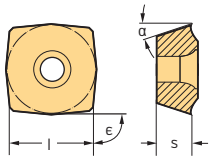
Indexable inserts

	Designation	Number of cutting edges	l mm	r mm	α	ε	mm	N HC WNN15
	P4840P-1R-E77	4	4,55	0,29	11°	90°		
	P4840P-2R-E77	4	5,52	0,34	11°	90°		
	P4840P-3R-E77	4	6,5	0,4	11°	90°		
	P4840P-4R-E77	4	7,8	0,48	11°	90°		
	P4840P-5R-E77	4	9,56	0,59	11°	90°		
	P4840P-6R-E77	4	11,75	0,7	11°	90°		
	P4840P-7R-E77	4	14,03	0,8	11°	90°		
	P4840P-8R-E77	4	16,5	1	11°	90°		

=
HC = Coated carbide

Square
P284..



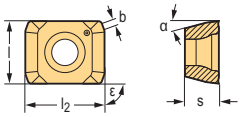


Indexable inserts

	Designation	Number of cutting edges	l mm	α	ε	mm	N HC WNN15
	P2840S-1N-E77	4	6,35	14°	90°	2.38000000000000	●
	P2840S-2N-E77	4	7,8	14°	90°	3.18000000000000	●
	P2840S-3N-E77	4	9,52	11°	96°	3.97000000000000	●
	P2840S-4N-E77	4	11	11°	96°	3.97000000000000	●
	P2840S-5N-E77	4	12,7	11°	96°	4.76000000000000	●
	P2840S-6N-E77	4	15	11°	96°	4.76000000000000	●
	P2840S-7N-E77	4	17,6	11°	96°	5.56000000000000	●

=
HC = beschichtetes Hartmetall

Rectangular
LCGX



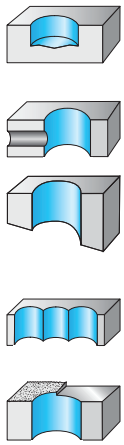
Indexable inserts

	Designation	Number of cutting edges	l mm	l_2 mm	α	ε	b mm	mm	N HC WNN15
	LCGX050203-E77	2	4	5,2	7°	90°	0,6		●
	LCGX06T204-E77	2	5,2	6,6	7°	90°	0,8		●

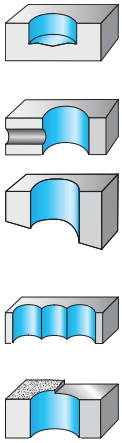
=
HC = Coated carbide

B1

Boring tools with indexable inserts



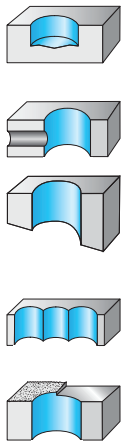
Drilling depth	2 x D_C	2 x D_C	2 x D_C	2 x D_C	2 x D_C
	Selection	Selection			
					
Designation	D4120	D4120	D3120	B3212	B3212
Diameter range					
[mm]	13,5–59		16–42	10–18	
[inch]		0,531–2,250			0,391–0,625
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting	●●	●●	●●	●●	●●
H Hard materials					
O Other					
Page in catalogue	190	212			
QR code					
www.walter-tools.com/woc/	D4120-02	D4120-02	D3120-02	B3212	B3212



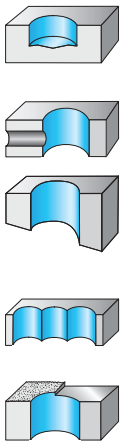
3 x D_C	3 x D_C	3 x D_C	3 x D_C	3 x D_C	3 x D_C	3 x D_C
Selection	Selection	Selection	NEW			
						
D4170	D4120	D4120	D3120	D3120	B3213	B3213
65–80	13,5–59		16–58		10–18	
		0,531–2,250		0,750–1,500		0,391–0,64
●●	●●	●●	●●	●●	●●	●●
●●	●●	●●	●●	●●	●●	●●
●●	●●	●●	●●	●●	●●	●●
●●	●●	●●	●●	●●	●●	●●
●●	●●	●●	●●	●●	●●	●●
228	198	218	182			
D4170-03	D4120-03	D4120-03	D3120-03	D3120-03	B3213	B3213

B1

Boring tools with indexable inserts



Drilling depth	4 x D_C	4 x D_C	4 x D_C	4 x D_C	4 x D_C	
	Selection	Selection				
						
Designation	D4120	D4120	D3120	D3120	B3214	
Diameter range						
[mm]	17–59		16–42		10–18	
[inch]		0,656–2,250		0,750–1,500		
P Steel	●●	●●	●●	●●		
M Stainless steel	●	●	●	●		
K Cast iron	●●	●●	●●	●●	●●	
N NF metals	●●	●●	●●	●●	●●	
S Materials with difficult cutting	●	●	●	●		
H Hard materials						
O Other						
Page in catalogue	202	222				
QR code						
www.walter-tools.com/woc/	D4120-04	D4120-04	D3120-04	D3120-04	B3214	

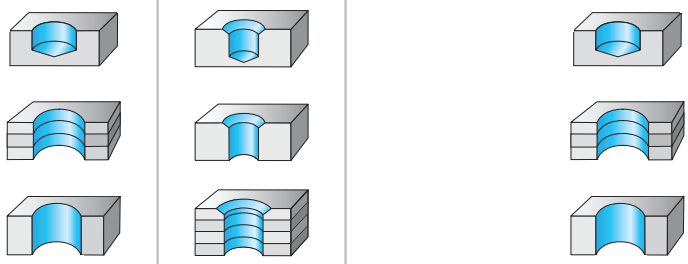


	5 x D_C	5 x D_C
	Selection	Selection
		
	D4120	D4120
	17–59	
		0,656–2,250
	●●	●●
	●●	●●
	●●	●●
	206	226
	D4120-05	D4120-05

B1

B1

Boring tools with indexable inserts



Drilling depth	1,3 x D_C	2,5 x D_C	3 x D_C	3 x D_C	5 x D_C	

Designation	D4140	D4240	D4140	D4140	D4140	
Diameter range						
[mm]	12–25,99	12–29,99	12–37,99		12–37,99	
[inch]				0,472–1,496		
P Steel	●●	●●	●●	●●	●●	
M Stainless steel	●●	●●	●●	●●	●●	
K Cast iron	●●	●●	●●	●●	●●	
N NF metals	●●	●●	●●	●●	●●	
S Materials with difficult cutting	●●	●●	●●	●●	●	
H Hard materials						
O Other						
Page in catalogue						
QR code						
www.walter-tools.com/woc/	D4140-01	D4240-02	D4140-03	D4140-03	D4140-05	

	5 x D_C	7 x D_C	7 x D_C	10 x D_C	10 x D_C
					
	D4140	D4140	D4140	D4140	D4140
		12–37,99		12–25,99	
	0,472–1,496		0,472–1,496		0,472–1,023
	●●	●●	●●	●●	●●
	●●	●	●	●	●
	●●	●●	●●	●●	●●
	●●	●●	●●	●●	●●
	●	●	●	●	●
	D4140-05	D4140-07	D4140-07	D4140-10	D4140-10

B1

B1

Designation key for Walter drilling tools with indexable inserts

Example:

D	3	1	20	–	03	–	58.00	F40	–	P27
1	2	3	4	5	6		7	8		9

1	Tool group
D	Drilling

2	Generation

3	Tool type
1	Cylindrical drill
2	Chamfer drill
5	Chamfering tool

4	Tool type
20	Indexable insert drill with square indexable insert
40	Exchangeable-tip drill with P600x indexable insert
70	Indexable insert drill with cartridges
80	Compact chamfering tool

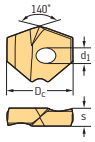
5	1. Delimiters
–	Metric
.	Inch

6	Drilling depth/ chamfer angle
01	$1.3 \times D_c$
02	$2 \times D_c / 2.5 \times D_c$
03	$3 \times D_c$
04	$4 \times D_c$
05	$5 \times D_c$
07	$7 \times D_c$
10	$10 \times D_c$
45	45° chamfer angle

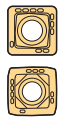
7	Cutting diameter/ clamping diameter of the chamfering tool

8	Shank type and size, parallel
F16	16 mm
F20	20 mm
F25	25 mm
F32	32 mm
F40	40 mm
A12	12 mm
A16	16 mm
A20	20 mm
A25	25 mm
A13	0.500 inches
A15	0.625 inches
A19	0.750 inches
A26	1.000 inch

9 — Insert size/interface size



Seat size	d_1 [mm]	s [mm]
A	3.0	3.6
B	3.0	4.0
C	4.0	4.5
D	4.0	5.0
E	5.0	5.5
F	5.0	6.0
G	5.0	6.5
H	6.0	7.1
J	6.0	7.7
K	6.0	8.0
M	6.0	8.3
N	6.0	8.6
P	6.0	8.9



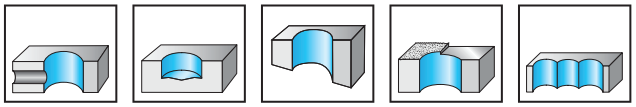
P41	P484	Size 1
.	.	.
.	.	.
.	.	.
P48	P484	Size 8

P21	P284	Size 1
.	.	.
.	.	.
.	.	.
P27	P284	Size 7

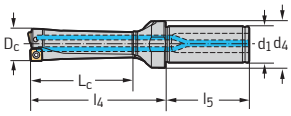
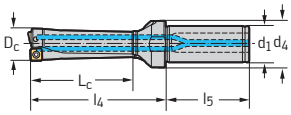
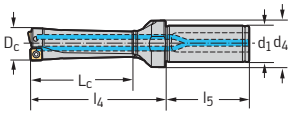
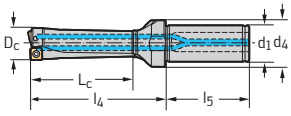
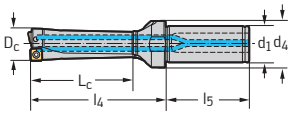
Indexable insert drills
D3120-03

3×Dc | Z=1

B1

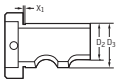


	P	M	K	N	S	H	O
D3120-03	●●	●●	●●	●●	●●		

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
 Cylindrical shank with flat	D3120-03-16.00F25-P21	16	48	73	56	25	32	0,31	2	P284 . S-1N- ..
	D3120-03-17.00F25-P21	17	51	76	56	25	32	0,32	2	
	★ D3120-03-17.50F25-P21	17,5	52,5	77,5	56	25	32	0,33	2	
	D3120-03-18.00F25-P21	18	54	79	56	25	32	0,33	2	
	D3120-03-19.00F25-P21	19	57	82	56	25	32	0,34	2	
	★ D3120-03-19.50F25-P21	19,5	58,5	83,5	56	25	32	0,35	2	
	D3120-03-20.00F25-P21	20	60	85	56	25	32	0,4	2	
 Cylindrical shank with flat	D3120-03-26.00F32-P23	26	78	110	60	32	40	0,67	2	P284 . S-3N- ..
	★ D3120-03-26.50F32-P23	26,5	79,5	111,5	60	32	40	0,69	2	
	D3120-03-27.00F32-P23	27	81	113	60	32	40	0,74	2	
	D3120-03-28.00F32-P23	28	84	116	60	32	40	0,73	2	
	D3120-03-29.00F32-P23	29	87	119	60	32	40	0,76	2	
	★ D3120-03-29.50F32-P23	29,5	88,5	120,5	60	32	40	0,78	2	
	D3120-03-30.00F32-P23	30	90	122	60	32	40	0,84	2	
 Cylindrical shank with flat	D3120-03-37.00F40-P25	37	111	151	70	40	50	1,43	2	P284 . S-5N- ..
	★ D3120-03-37.50F40-P25	37,5	112,5	152,5	70	40	50	1,46	2	
	D3120-03-38.00F40-P25	38	114	154	70	40	50	1,49	2	
	D3120-03-39.00F40-P25	39	117	157	70	40	50	1,64	2	
	D3120-03-40.00F40-P25	40	120	160	70	40	50	1,6	2	
	★ D3120-03-40.50F40-P25	40,5	121,5	161,5	70	40	50	1,64	2	
	D3120-03-41.00F40-P25	41	123	163	70	40	50	1,67	2	
	D3120-03-42.00F40-P25	42	126	166	70	40	50	1,83	2	
 Cylindrical shank with flat	★ D3120-03-43.00F40-P26	43	129	169	70	40	50	1,74	2	P284 . S-6N- ..
	★ D3120-03-44.00F40-P26	44	132	172	70	40	50	1,81	2	
	★ D3120-03-45.00F40-P26	45	135	175	70	40	50	1,89	2	
	★ D3120-03-46.00F40-P26	46	138	178	70	40	50	1,98	2	
	★ D3120-03-47.00F40-P26	47	141	181	70	40	50	2,05	2	
	★ D3120-03-48.00F40-P26	48	144	184	70	40	50	2,14	2	
	★ D3120-03-49.00F40-P26	49	147	187	70	40	50	2,23	2	
	★ D3120-03-50.00F40-P26	50	150	190	70	40	50	2,33	2	
 Cylindrical shank with flat	★ D3120-03-50.50F40-P27	50,5	151,5	191,5	70	40	50	2,29	2	P284 . S-7N- ..
	★ D3120-03-51.00F40-P27	51	153	193	70	40	50	2,34	2	
	★ D3120-03-52.00F40-P27	52	156	196	70	40	50	2,44	2	
	★ D3120-03-53.00F40-P27	53	159	199	70	40	50	2,55	2	
	★ D3120-03-54.00F40-P27	54	162	202	70	40	50	2,67	2	
	★ D3120-03-54.50F40-P27	54,5	163,5	203,5	70	40	50	2,73	2	

Bodies and assembly parts are included in the scope of delivery

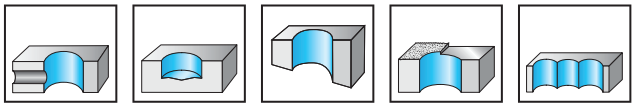
Assembly parts	D_c [mm]	16–20	26–30	37–42	43–58
	Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 1,2 Nm	FS2181 (T15IP) 3 Nm	FS2139 (T20IP) 5 Nm	FS2281 (T20IP) 5 Nm

Accessories	D_c [mm]	16–20	26–30	37–58
	Eccentric sleeve, adj. range dia. -0.2 to +0.55 mm	FS722	FS723	FS724
	Torque screwdriver, analogue	FS2001	FS2003	FS2003
	Torque screwdriver, digital	FS2248	FS2248	FS2248
	Interchangeable blade	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)

B1

Indexable insert drills
D3120-03

B1

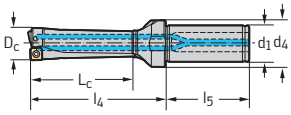


3×D_c | Z=1

	P	M	K	N	S	H	O
D3120-03	●●	●●	●●	●●	●●		

Tool

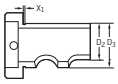
Cylindrical shank with flat



Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
★ D3120-03-55.00F40-P27	55	165	205	70	40	50	2,79	2	P284 . S-7N- ..
★ D3120-03-56.00F40-P27	56	168	208	70	40	50	2,91	2	
★ D3120-03-57.00F40-P27	57	171	211	70	40	50	3,04	2	
★ D3120-03-58.00F40-P27	58	174	214	70	40	50	3,17	2	

Bodies and assembly parts are included in the scope of delivery

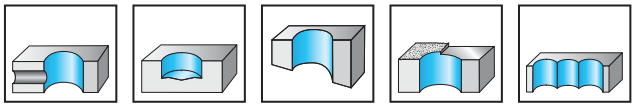
Assembly parts	D_c [mm]	16–20	26–30	37–42	43–58
	Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 1,2 Nm	FS2181 (T15IP) 3 Nm	FS2139 (T20IP) 5 Nm	FS2281 (T20IP) 5 Nm

Accessories	D_c [mm]	16–20	26–30	37–58
	Eccentric sleeve, adj. range dia. -0.2 to +0.55 mm	FS722	FS723	FS724
	Torque screwdriver, analogue	FS2001	FS2003	FS2003
	Torque screwdriver, digital	FS2248	FS2248	FS2248
	Interchangeable blade	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)

B1

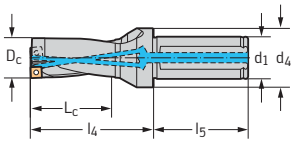
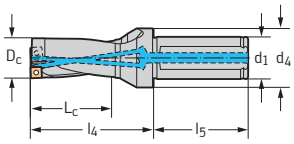
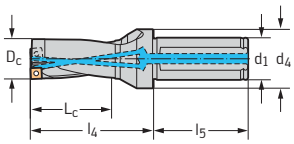
Indexable insert drills
D4120-02

B1



2×Dc | Z=1

	P	M	K	N	S	H	O
D4120-02	●●	●●	●●	●●	●●		

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
 Cylindrical shank with flat	D4120-02-13.50F20-P41	13,5	27	47	50	20	25	0,23	1 1	P484 . P-1R- .. P484 . C-1R- ..
	D4120-02-14.00F20-P41	14	28	48	50	20	25	0,19	1 1	
	D4120-02-14.50F20-P41	14,5	29	49	50	20	25	0,24	1 1	
	D4120-02-15.00F20-P41	15	30	50	50	20	25	0,24	1 1	
	D4120-02-15.50F20-P41	15,5	31	51	50	20	25	0,23	1 1	
	D4120-02-16.00F25-P41	16	32	57	56	25	35	0,4	1 1	
 Cylindrical shank with flat	D4120-02-16.50F25-P42	16,5	33	58	56	25	35	0,41	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120-02-17.00F25-P42	17	34	59	56	25	35	0,41	1 1	
	D4120-02-17.50F25-P42	17,5	35	60	56	25	35	0,4	1 1	
	D4120-02-18.00F25-P42	18	36	61	56	25	35	0,42	1 1	
	D4120-02-18.50F25-P42	18,5	37	62	56	25	35	0,32	1 1	
	D4120-02-19.00F25-P42	19	38	63	56	25	35	0,42	1 1	
	D4120-02-19.50F25-P42	19,5	39	64	56	25	35	0,43	1 1	
	D4120-02-20.00F25-P42	20	40	65	56	25	35	0,43	1 1	
 Cylindrical shank with flat	D4120-02-20.50F25-P43	20,5	41	66	56	25	35	0,43	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120-02-21.00F25-P43	21	42	67	56	25	35	0,45	1 1	
	D4120-02-21.50F25-P43	21,5	43	68	56	25	35	0,44	1 1	
	D4120-02-22.00F25-P43	22	44	69	56	25	35	0,44	1 1	
	D4120-02-22.50F25-P43	22,5	45	70	56	25	35	0,45	1 1	
	D4120-02-23.00F25-P43	23	46	71	56	25	35	0,48	1 1	
	D4120-02-23.50F25-P43	23,5	47	72	56	25	35	0,46	1 1	
	D4120-02-24.00F25-P43	24	48	73	56	25	35	0,48	1 1	

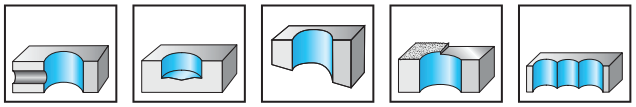
Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

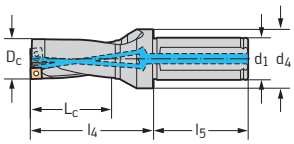
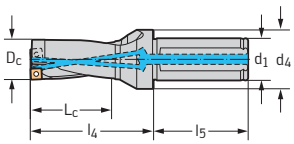
Indexable insert drills
D4120-02

B1



2×Dc | Z=1

	P	M	K	N	S	H	O
D4120-02	●●	●●	●●	●●	●●		

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
 Cylindrical shank with flat	D4120-02-24.50F25-P44	24,5	49	74	56	25	35	0,47	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120-02-25.00F25-P44	25	50	75	56	25	35	0,48	1 1	
	D4120-02-25.50F32-P44	25,5	51	83	60	32	42	0,76	1 1	
	D4120-02-26.00F32-P44	26	52	84	60	32	42	0,72	1 1	
	D4120-02-26.50F32-P44	26,5	53	85	60	32	42	0,78	1 1	
	D4120-02-27.00F32-P44	27	54	86	60	32	42	0,77	1 1	
	D4120-02-27.50F32-P44	27,5	55	87	60	32	42	0,8	1 1	
	D4120-02-28.00F32-P44	28	56	88	60	32	42	0,81	1 1	
	D4120-02-28.50F32-P44	28,5	57	89	60	32	42	0,74	1 1	
	D4120-02-29.00F32-P44	29	58	90	60	32	42	0,81	1 1	
 Cylindrical shank with flat	D4120-02-29.50F32-P45	29,5	59	91	60	32	42	0,83	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120-02-30.00F32-P45	30	60	92	60	32	42	0,84	1 1	
	D4120-02-31.00F32-P45	31	62	94	60	32	42	0,87	1 1	
	D4120-02-32.00F32-P45	32	64	96	60	32	42	0,82	1 1	
	D4120-02-33.00F32-P45	33	66	98	60	32	42	0,91	1 1	
	D4120-02-34.00F32-P45	34	68	100	60	32	42	0,94	1 1	
	D4120-02-35.00F32-P45	35	70	102	60	32	42	0,97	1 1	

Bodies and assembly parts are included in the scope of delivery

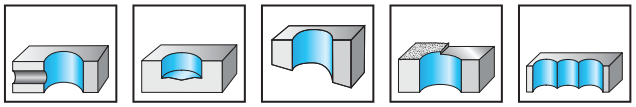
Assembly parts	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

B1

Indexable insert drills
D4120-02

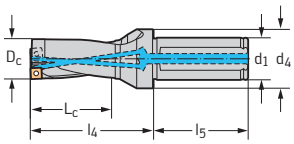
B1



2×Dc | Z=1

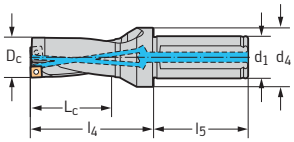
	P	M	K	N	S	H	O
D4120-02	●●	●●	●●	●●	●●		

Tool



Cylindrical shank with flat

Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
D4120-02-36.00F32-P46	36	72	104	60	32	42	0,96	1 1	P484 . P-6R- .. P484 . C-6R- ..
D4120-02-37.00F40-P46	37	74	114	70	40	50	1,48	1 1	
D4120-02-38.00F40-P46	38	76	116	70	40	50	1,52	1 1	
D4120-02-39.00F40-P46	39	78	118	70	40	50	1,55	1 1	
D4120-02-40.00F40-P46	40	80	120	70	40	50	1,45	1 1	
D4120-02-41.00F40-P46	41	82	122	70	40	50	1,64	1 1	
D4120-02-42.00F40-P46	42	84	124	70	40	50	1,67	1 1	



Cylindrical shank with flat

Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
D4120-02-43.00F40-P47	43	86	126	70	40	50	1,67	1 1	P484 . P-7R- .. P484 . C-7R- ..
D4120-02-44.00F40-P47	44	88	128	70	40	50	1,71	1 1	
D4120-02-45.00F40-P47	45	90	130	70	40	50	1,76	1 1	
D4120-02-46.00F40-P47	46	92	132	70	40	50	1,81	1 1	
D4120-02-47.00F40-P47	47	94	134	70	40	50	1,84	1 1	
D4120-02-48.00F40-P47	48	96	136	70	40	50	1,91	1 1	
D4120-02-49.00F40-P47	49	98	138	70	40	50	1,9	1 1	
D4120-02-50.00F40-P47	50	100	140	70	40	50	2,01	1 1	

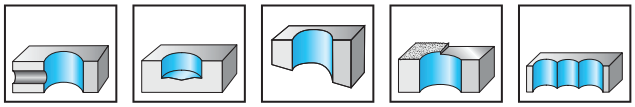
Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

Indexable insert drills
D4120-02

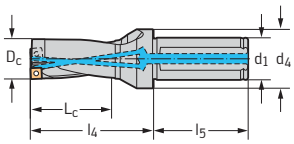
B1



2×Dc | Z=1

	P	M	K	N	S	H	O
D4120-02	●●	●●	●●	●●	●●		

Tool



Cylindrical shank with flat

Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
D4120-02-51.00F40-P48	51	102	142	70	40	50	2,09	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120-02-52.00F40-P48	52	104	144	70	40	50	2,04	1 1	
D4120-02-53.00F40-P48	53	106	146	70	40	50	2,21	1 1	
D4120-02-54.00F40-P48	54	108	148	70	40	50	2,28	1 1	
D4120-02-55.00F40-P48	55	110	150	70	40	50	2,35	1 1	
D4120-02-56.00F40-P48	56	112	152	70	40	50	2,42	1 1	
D4120-02-57.00F40-P48	57	114	154	70	40	50	2,5	1 1	
D4120-02-58.00F40-P48	58	116	156	70	40	50	2,57	1 1	
D4120-02-59.00F40-P48	59	118	158	70	40	50	2,65	1 1	

Bodies and assembly parts are included in the scope of delivery

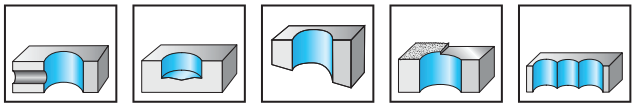
Assembly parts	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

B1

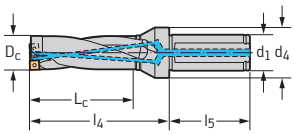
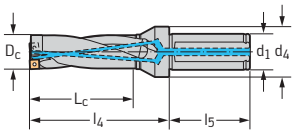
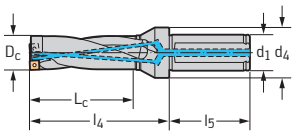
Indexable insert drills
D4120-03

B1



3×D_c | Z=1

	P	M	K	N	S	H	O
D4120-03	●●	●●	●●	●●	●●		

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
 Cylindrical shank with flat	D4120-03-13.50F20-P41	13,5	40,5	60,5	50	20	25	0,16	1 1	P484 . P-1R- .. P484 . C-1R- ..
	D4120-03-14.00F20-P41	14	42	62	50	20	25	0,17	1 1	
	D4120-03-14.50F20-P41	14,5	43,5	63,5	50	20	25	0,24	1 1	
	D4120-03-15.00F20-P41	15	45	65	50	20	25	0,2	1 1	
	D4120-03-15.50F20-P41	15,5	46,5	66,5	50	20	25	0,25	1 1	
	D4120-03-16.00F25-P41	16	48	73	56	25	35	0,38	1 1	
 Cylindrical shank with flat	D4120-03-16.50F25-P42	16,5	49,5	75	56	25	35	0,42	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120-03-17.00F25-P42	17	51	76	56	25	35	0,35	1 1	
	D4120-03-17.50F25-P42	17,5	52,5	77,5	56	25	35	0,43	1 1	
	D4120-03-18.00F25-P42	18	54	79	56	25	35	0,44	1 1	
	D4120-03-18.50F25-P42	18,5	55,5	80,5	56	25	35	0,39	1 1	
	D4120-03-19.00F25-P42	19	57	82	56	25	35	0,45	1 1	
	D4120-03-19.50F25-P42	19,5	58,5	84	56	25	35	0,46	1 1	
	D4120-03-20.00F25-P42	20	60	85	56	25	35	0,46	1 1	
 Cylindrical shank with flat	D4120-03-20.50F25-P43	20,5	61,5	87	56	25	35	0,45	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120-03-21.00F25-P43	21	63	88	56	25	35	0,39	1 1	
	D4120-03-21.50F25-P43	21,5	64,5	90	56	25	35	0,48	1 1	
	D4120-03-22.00F25-P43	22	66	91	56	25	35	0,48	1 1	
	D4120-03-22.50F25-P43	22,5	67,5	93	56	25	35	0,49	1 1	
	D4120-03-23.00F25-P43	23	69	94	56	25	35	0,52	1 1	
	D4120-03-23.50F25-P43	23,5	70,5	96	56	25	35	0,51	1 1	
	D4120-03-24.00F25-P43	24	72	97	56	25	35	0,52	1 1	

Bodies and assembly parts are included in the scope of delivery

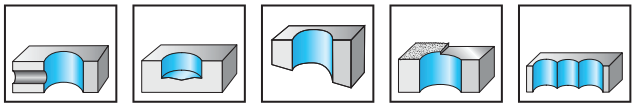
Assembly parts	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

B1

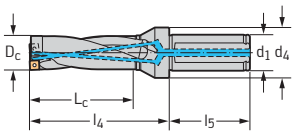
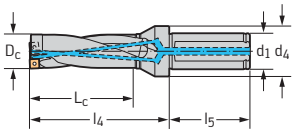
Indexable insert drills
D4120-03

B1



3×Dc | Z=1

	P	M	K	N	S	H	O
D4120-03	●●	●●	●●	●●	●●		

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
 Cylindrical shank with flat	D4120-03-24.50F25-P44	24,5	73,5	99	56	25	35	0,52	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120-03-25.00F25-P44	25	75	100	56	25	35	0,43	1 1	
	D4120-03-25.50F32-P44	25,5	76,5	109	60	32	42	0,83	1 1	
	D4120-03-26.00F32-P44	26	78	110	60	32	42	0,84	1 1	
	D4120-03-26.50F32-P44	26,5	79,5	112	60	32	42	0,84	1 1	
	D4120-03-27.00F32-P44	27	81	113	60	32	42	0,85	1 1	
	D4120-03-27.50F32-P44	27,5	82,5	115	60	32	42	0,87	1 1	
	D4120-03-28.00F32-P44	28	84	116	60	32	42	0,89	1 1	
	D4120-03-28.50F32-P44	28,5	85,5	118	60	32	42	0,91	1 1	
	D4120-03-29.00F32-P44	29	87	119	60	32	42	0,92	1 1	
 Cylindrical shank with flat	D4120-03-29.50F32-P45	29,5	88,5	121	60	32	42	0,93	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120-03-30.00F32-P45	30	90	122	60	32	42	0,94	1 1	
	D4120-03-31.00F32-P45	31	93	125	60	32	42	0,95	1 1	
	D4120-03-32.00F32-P45	32	96	128	60	32	42	1	1 1	
	D4120-03-33.00F32-P45	33	99	131	60	32	42	1,03	1 1	
	D4120-03-34.00F32-P45	34	102	134	60	32	42	1,07	1 1	
	D4120-03-35.00F32-P45	35	105	137	60	32	42	1,12	1 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

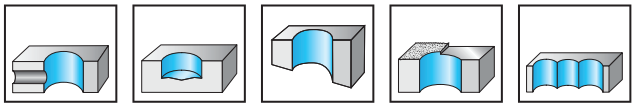
Accessories	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

B1

Indexable insert drills
D4120-03

3×Dc | Z=1

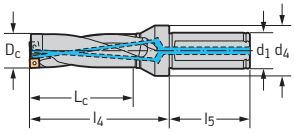
B1



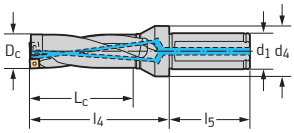
	P	M	K	N	S	H	O
D4120-03	●●	●●	●●	●●	●●		

Tool

Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
D4120-03-36.00F32-P46	36	108	140	60	32	42	1,02	1 1	P484 . P-6R- .. P484 . C-6R- ..
D4120-03-37.00F40-P46	37	111	151	70	40	50	1,68	1 1	
D4120-03-38.00F40-P46	38	114	154	70	40	50	1,17	1 1	
D4120-03-39.00F40-P46	39	117	157	70	40	50	1,76	1 1	
D4120-03-40.00F40-P46	40	120	160	70	40	50	1,82	1 1	
D4120-03-41.00F40-P46	41	123	163	70	40	50	1,88	1 1	
D4120-03-42.00F40-P46	42	126	166	70	40	50	1,94	1 1	
D4120-03-43.00F40-P47	43	129	169	70	40	50	1,98	1 1	P484 . P-7R- .. P484 . C-7R- ..
D4120-03-44.00F40-P47	44	132	172	70	40	50	2,03	1 1	
D4120-03-45.00F40-P47	45	135	175	70	40	50	2,11	1 1	
D4120-03-46.00F40-P47	46	138	178	70	40	50	2,17	1 1	
D4120-03-47.00F40-P47	47	141	181	70	40	50	2,25	1 1	
D4120-03-48.00F40-P47	48	144	184	70	40	50	2,34	1 1	
D4120-03-49.00F40-P47	49	147	187	70	40	50	2,41	1 1	
D4120-03-50.00F40-P47	50	150	190	70	40	50	2,5	1 1	



Cylindrical shank with flat



Cylindrical shank with flat

Bodies and assembly parts are included in the scope of delivery

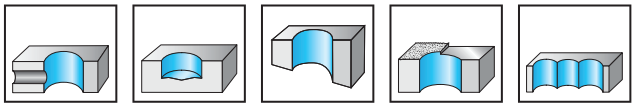
Assembly parts	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

B1

Indexable insert drills
D4120-03

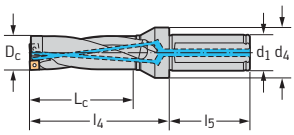
B1



3×Dc | Z=1

	P	M	K	N	S	H	O
D4120-03	●●	●●	●●	●●	●●		

Tool



Cylindrical shank with flat

Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
D4120-03-51.00F40-P48	51	153	193	70	40	50	2,53	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120-03-52.00F40-P48	52	156	196	70	40	50	2,6	1 1	
D4120-03-53.00F40-P48	53	159	199	70	40	50	2,7	1 1	
D4120-03-54.00F40-P48	54	162	202	70	40	50	2,8	1 1	
D4120-03-55.00F40-P48	55	165	205	70	40	50	2,9	1 1	
D4120-03-56.00F40-P48	56	168	208	70	40	50	3	1 1	
D4120-03-57.00F40-P48	57	171	211	70	40	50	3,12	1 1	
D4120-03-58.00F40-P48	58	174	214	70	40	50	3,23	1 1	
D4120-03-59.00F40-P48	59	177	217	70	40	50	3,36	1 1	

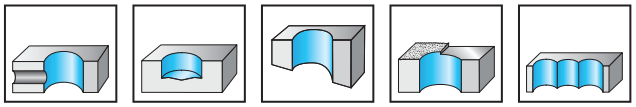
Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

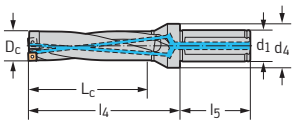
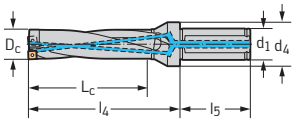
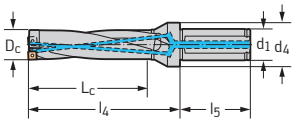
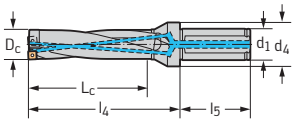
Indexable insert drills
D4120-04

B1



4×Dc | Z=1

	P	M	K	N	S	H	O
D4120-04	●●	●	●●	●●	●		

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
 Cylindrical shank with flat	D4120-04-17.00F25-P42	17	68	93	56	25	35	0,45	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120-04-18.00F25-P42	18	72	97	56	25	35	0,46	1 1	
	D4120-04-19.00F25-P42	19	76	101	56	25	35	0,47	1 1	
	D4120-04-20.00F25-P42	20	80	105	56	25	35	0,49	1 1	
 Cylindrical shank with flat	D4120-04-21.00F25-P43	21	84	109	56	25	35	0,49	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120-04-22.00F25-P43	22	88	113	56	25	35	0,53	1 1	
	D4120-04-23.00F25-P43	23	92	117	56	25	35	0,55	1 1	
	D4120-04-24.00F25-P43	24	96	121	56	25	35	0,57	1 1	
 Cylindrical shank with flat	D4120-04-25.00F25-P44	25	100	125	56	25	35	0,58	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120-04-26.00F32-P44	26	104	136	60	32	42	0,89	1 1	
	D4120-04-27.00F32-P44	27	108	140	60	32	42	0,93	1 1	
	D4120-04-28.00F32-P44	28	112	144	60	32	42	0,96	1 1	
	D4120-04-29.00F32-P44	29	116	148	60	32	42	1	1 1	
 Cylindrical shank with flat	D4120-04-30.00F32-P45	30	120	152	60	32	42	1,02	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120-04-31.00F32-P45	31	124	156	60	32	42	1,07	1 1	
	D4120-04-32.00F32-P45	32	128	160	60	32	42	1,1	1 1	
	D4120-04-33.00F32-P45	33	132	164	60	32	42	1,17	1 1	
	D4120-04-34.00F32-P45	34	136	168	60	32	42	1,18	1 1	
	D4120-04-35.00F32-P45	35	140	172	60	32	42	1,28	1 1	

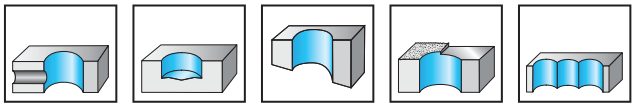
Assembly parts	D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	17–20	21–24	25–29	30–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

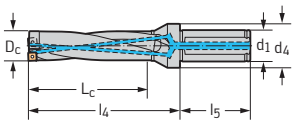
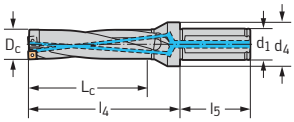
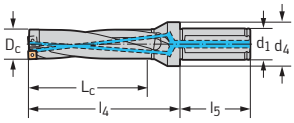
Indexable insert drills
D4120-04

4×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120-04	●●	●	●●	●●	●		

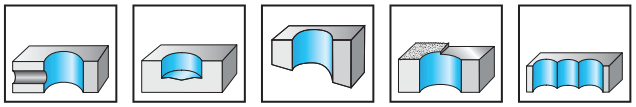
Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
 Cylindrical shank with flat	D4120-04-36.00F32-P46	36	144	176	60	32	42	1,26	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120-04-37.00F40-P46	37	148	188	70	40	50	1,82	1 1	
	D4120-04-38.00F40-P46	38	152	192	70	40	50	1,19	1 1	
	D4120-04-39.00F40-P46	39	156	196	70	40	50	1,96	1 1	
	D4120-04-40.00F40-P46	40	160	200	70	40	50	2,04	1 1	
	D4120-04-41.00F40-P46	41	164	204	70	40	50	2,21	1 1	
	D4120-04-42.00F40-P46	42	168	208	70	40	50	2,2	1 1	
 Cylindrical shank with flat	D4120-04-43.00F40-P47	43	172	212	70	40	50	2,23	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120-04-44.00F40-P47	44	176	216	70	40	50	2,32	1 1	
	D4120-04-45.00F40-P47	45	180	220	70	40	50	2,4	1 1	
	D4120-04-46.00F40-P47	46	184	224	70	40	50	2,5	1 1	
	D4120-04-47.00F40-P47	47	188	228	70	40	50	2,62	1 1	
	D4120-04-48.00F40-P47	48	192	232	70	40	50	2,7	1 1	
	D4120-04-49.00F40-P47	49	196	236	70	40	50	2,84	1 1	
	D4120-04-50.00F40-P47	50	200	240	70	40	50	2,95	1 1	
 Cylindrical shank with flat	D4120-04-51.00F40-P48	51	204	244	70	40	50	2,98	1 1	P484 . P-8R- .. P484 . C-8R- ..
	D4120-04-52.00F40-P48	52	208	248	70	40	50	3,11	1 1	
	D4120-04-53.00F40-P48	53	212	252	70	40	50	3,25	1 1	
	D4120-04-54.00F40-P48	54	216	256	70	40	50	3,32	1 1	
	D4120-04-55.00F40-P48	55	220	260	70	40	50	3,44	1 1	
	D4120-04-56.00F40-P48	56	224	264	70	40	50	3,6	1 1	
	D4120-04-57.00F40-P48	57	228	268	70	40	50	3,8	1 1	
	D4120-04-58.00F40-P48	58	232	272	70	40	50	3,97	1 1	
	D4120-04-59.00F40-P48	59	236	276	70	40	50	4,09	1 1	

Assembly parts	D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	17–20	21–24	25–29	30–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

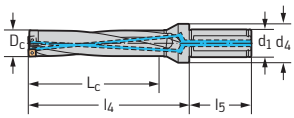
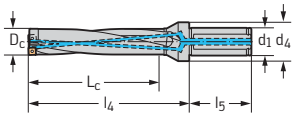
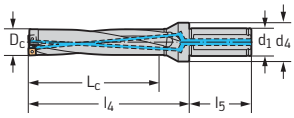
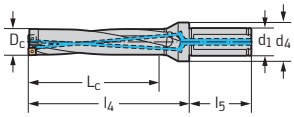
Indexable insert drills
D4120-05

B1



5×Dc | Z=1

	P	M	K	N	S	H	O
D4120-05	●●		●●	●●			

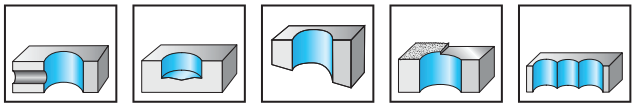
Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
 Cylindrical shank with flat	D4120-05-17.00F25-P42	17	85	110	56	25	35	0,39	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120-05-18.00F25-P42	18	90	115	56	25	35	0,47	1 1	
	D4120-05-19.00F25-P42	19	95	120	56	25	35	0,49	1 1	
	D4120-05-20.00F25-P42	20	100	125	56	25	35	0,51	1 1	
 Cylindrical shank with flat	D4120-05-21.00F25-P43	21	105	130	56	25	35	0,45	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120-05-22.00F25-P43	22	110	135	56	25	35	0,58	1 1	
	D4120-05-23.00F25-P43	23	115	140	56	25	35	0,62	1 1	
	D4120-05-24.00F25-P43	24	120	145	56	25	35	0,63	1 1	
 Cylindrical shank with flat	D4120-05-25.00F25-P44	25	125	150	56	25	35	0,54	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120-05-26.00F32-P44	26	130	162	60	32	42	0,95	1 1	
	D4120-05-27.00F32-P44	27	135	167	60	32	42	1	1 1	
	D4120-05-28.00F32-P44	28	140	172	60	32	42	1,03	1 1	
	D4120-05-29.00F32-P44	29	145	177	60	32	42	1,1	1 1	
 Cylindrical shank with flat	D4120-05-30.00F32-P45	30	150	182	60	32	42	1,01	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120-05-31.00F32-P45	31	155	187	60	32	42	1,18	1 1	
	D4120-05-32.00F32-P45	32	160	192	60	32	42	1,23	1 1	
	D4120-05-33.00F32-P45	33	165	197	60	32	42	1,3	1 1	
	D4120-05-34.00F32-P45	34	170	202	60	32	42	1,37	1 1	
	D4120-05-35.00F32-P45	35	175	207	60	32	42	1,45	1 1	

Assembly parts	D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	17–20	21–24	25–29	30–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

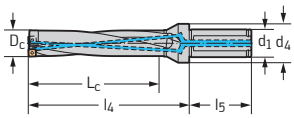
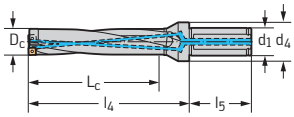
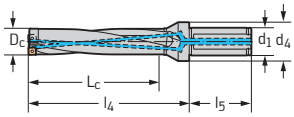
Indexable insert drills
D4120-05

B1



5×Dc | Z=1

	P	M	K	N	S	H	O
D4120-05	●●		●●	●●			

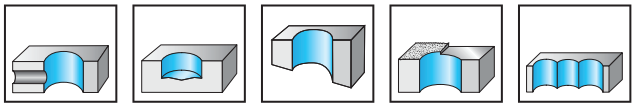
Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm		No. of inserts	Type
 Cylindrical shank with flat	D4120-05-36.00F32-P46	36	180	212	60	32	42	1,32	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120-05-37.00F40-P46	37	185	225	70	40	50	1,45	1 1	
	D4120-05-38.00F40-P46	38	190	230	70	40	50	2,02	1 1	
	D4120-05-39.00F40-P46	39	195	235	70	40	50	2,09	1 1	
	D4120-05-40.00F40-P46	40	200	240	70	40	50	2,17	1 1	
	D4120-05-41.00F40-P46	41	205	245	70	40	50	2,35	1 1	
	D4120-05-42.00F40-P46	42	210	250	70	40	50	2,45	1 1	
 Cylindrical shank with flat	D4120-05-43.00F40-P47	43	215	255	70	40	50	2,54	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120-05-44.00F40-P47	44	220	260	70	40	50	2,65	1 1	
	D4120-05-45.00F40-P47	45	225	265	70	40	50	2,75	1 1	
	D4120-05-46.00F40-P47	46	230	270	70	40	50	2,87	1 1	
	D4120-05-47.00F40-P47	47	235	275	70	40	50	2,99	1 1	
	D4120-05-48.00F40-P47	48	240	280	70	40	50	3,08	1 1	
	D4120-05-49.00F40-P47	49	245	285	70	40	50	3,26	1 1	
	D4120-05-50.00F40-P47	50	250	290	70	40	50	3,39	1 1	
 Cylindrical shank with flat	D4120-05-51.00F40-P48	51	255	295	70	40	50	3,45	1 1	P484 . P-8R- .. P484 . C-8R- ..
	D4120-05-52.00F40-P48	52	260	300	70	40	50	3,61	1 1	
	D4120-05-53.00F40-P48	53	265	305	70	40	50	3,74	1 1	
	D4120-05-54.00F40-P48	54	270	310	70	40	50	3,86	1 1	
	D4120-05-55.00F40-P48	55	275	315	70	40	50	4,07	1 1	
	D4120-05-56.00F40-P48	56	280	320	70	40	50	4,22	1 1	
	D4120-05-57.00F40-P48	57	285	325	70	40	50	4,2	1 1	
	D4120-05-58.00F40-P48	58	290	330	70	40	50	4,39	1 1	
	D4120-05-59.00F40-P48	59	295	335	70	40	50	4,8	1 1	

Assembly parts	D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	17–20	21–24	25–29	30–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003	FS2003
	Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

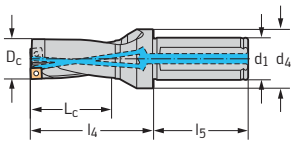
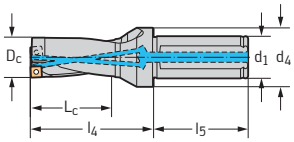
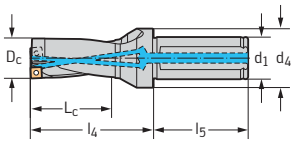
Indexable insert drills
D4120.02

B1



2×Dc | Z=1

	P	M	K	N	S	H	O
D4120.02	●●	●●	●●	●●	●●		

Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch		No. of inserts	Type
 Cylindrical shank with flat	D4120.02-13.49F19-P41	0,531	1,062	1,849	2,031	0,750	1,125	0,009	1 1	P484 . P-1R- .. P484 . C-1R- ..
	D4120.02-13.89F19-P41	0,547	1,094	1,881	2,031	0,750	1,125	0,009	1 1	
	D4120.02-14.27F19-P41	0,562	1,124	1,911	2,031	0,750	1,125	0,009	1 1	
	D4120.02-14.68F19-P41	0,578	1,156	1,943	2,031	0,750	1,125	0,009	1 1	
	D4120.02-15.09F19-P41	0,594	1,188	1,975	2,031	0,750	1,125	0,009	1 1	
	D4120.02-15.47F19-P41	0,609	1,218	2,005	2,031	0,750	1,125	0,009	1 1	
	D4120.02-15.88F19-P41	0,625	1,250	2,037	2,031	0,750	1,125	0,010	1 1	
 Cylindrical shank with flat	D4120.02-16.66F26-P42	0,656	1,312	2,310	2,281	1,000	1,375	0,016	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120.02-17.04F26-P42	0,671	1,342	2,34	2,281	1,000	1,375	0,017	1 1	
	D4120.02-17.45F26-P42	0,687	1,374	2,37	2,281	1,000	1,375	0,014	1 1	
	D4120.02-17.86F26-P42	0,703	1,406	2,410	2,281	1,000	1,375	0,017	1 1	
	D4120.02-18.24F26-P42	0,718	1,436	2,44	2,281	1,000	1,375	0,017	1 1	
	D4120.02-19.05F26-P42	0,750	1,500	2,500	2,281	1,000	1,375	0,018	1 1	
	D4120.02-19.43F26-P42	0,765	1,530	2,530	2,281	1,000	1,375	0,017	1 1	
	D4120.02-19.84F26-P42	0,781	1,562	2,560	2,281	1,000	1,375	0,016	1 1	
 Cylindrical shank with flat	D4120.02-20.62F26-P43	0,812	1,624	2,62	2,281	1,000	1,375	0,002	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120.02-21.41F26-P43	0,843	1,686	2,69	2,281	1,000	1,375	0,018	1 1	
	D4120.02-22.23F31-P43	0,875	1,750	2,880	2,281	1,250	1,625	0,026	1 1	
	D4120.02-23.01F31-P43	0,906	1,812	2,94	2,281	1,250	1,625	0,026	1 1	
	D4120.02-23.39F31-P43	0,921	1,842	2,97	2,281	1,250	1,625	0,026	1 1	
	D4120.02-23.80F31-P43	0,937	1,874	3,000	2,281	1,250	1,625	0,026	1 1	

Bodies and assembly parts are included in the scope of delivery

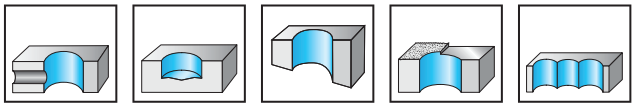
Assembly parts	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

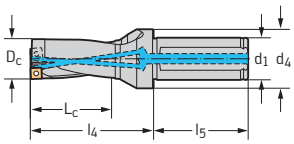
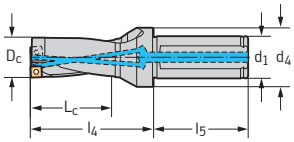
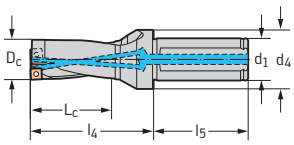
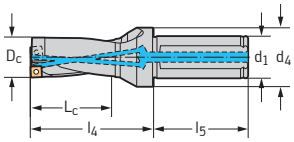
Indexable insert drills
D4120.02

2×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120.02	●●	●●	●●	●●	●●		

Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch		No. of inserts	Type
 Cylindrical shank with flat	D4120.02-24.59F31-P44	0,968	1,936	3,07	2,281	1,250	1,625	0,028	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120.02-24.99F31-P44	0,984	1,968	3,100	2,281	1,250	1,625	0,028	1 1	
	D4120.02-25.40F31-P44	1,000	2,000	3,130	2,281	1,250	1,625	0,028	1 1	
	D4120.02-26.57F31-P44	1,046	2,092	3,22	2,281	1,250	1,625	0,028	1 1	
	D4120.02-26.97F31-P44	1,062	2,124	3,250	2,281	1,250	1,625	0,029	1 1	
	D4120.02-28.17F31-P44	1,109	2,218	3,350	2,281	1,250	1,625	0,030	1 1	
	D4120.02-28.58F31-P44	1,125	2,250	3,380	2,281	1,250	1,625	0,03	1 1	
 Cylindrical shank with flat	D4120.02-29.74F31-P45	1,171	2,342	3,47	2,281	1,250	1,625	0,03	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120.02-30.15F31-P45	1,187	2,374	3,500	2,281	1,250	1,625	0,031	1 1	
	D4120.02-31.75F31-P45	1,250	2,500	3,630	2,281	1,250	1,625	0,032	1 1	
	D4120.02-33.32F31-P45	1,312	2,624	3,750	2,281	1,250	1,625	0,034	1 1	
	D4120.02-34.11F31-P45	1,343	2,686	3,82	2,281	1,250	1,625	0,035	1 1	
	D4120.02-34.93F31-P45	1,375	2,750	3,880	2,281	1,250	1,625	0,036	1 1	
 Cylindrical shank with flat	D4120.02-36.09F31-P46	1,421	2,842	3,97	2,281	1,250	1,625	0,035	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120.02-36.50F38-P46	1,437	2,874	4,250	2,688	1,500	1,940	0,051	1 1	
	D4120.02-38.10F38-P46	1,500	3,000	4,380	2,688	1,500	1,940	0,052	1 1	
	D4120.02-39.67F38-P46	1,562	3,124	4,500	2,688	1,500	1,940	0,053	1 1	
	D4120.02-41.28F38-P46	1,625	3,250	4,630	2,688	1,500	1,940	0,055	1 1	
 Cylindrical shank with flat	D4120.02-42.85F38-P47	1,687	3,374	4,750	2,688	1,500	1,940	0,054	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120.02-44.45F38-P47	1,750	3,500	4,880	2,688	1,500	1,940	0,057	1 1	
	D4120.02-46.02F38-P47	1,812	3,624	5,000	2,688	1,500	1,940	0,059	1 1	
	D4120.02-47.63F38-P47	1,875	3,750	5,130	2,688	1,500	1,940	0,062	1 1	
	D4120.02-49.20F38-P47	1,937	3,874	5,250	2,688	1,500	1,940	0,066	1 1	

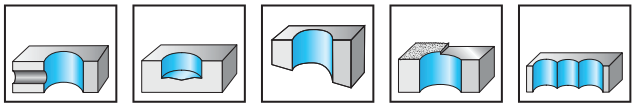
Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

Indexable insert drills
D4120.02

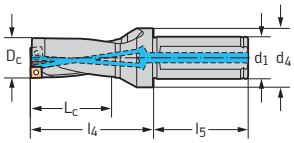
B1



2×Dc | Z=1

	P	M	K	N	S	H	O
D4120.02	●●	●●	●●	●●	●●		

Tool



Cylindrical shank with flat

Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch		No. of inserts	Type
D4120.02-50.80F51-P48	2,000	4,000	5,62	3,250	2,000	2,440	0,106	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120.02-52.37F51-P48	2,062	4,124	5,74	3,250	2,000	2,440	0,11	1 1	
D4120.02-53.98F51-P48	2,125	4,250	5,87	3,250	2,000	2,440	0,115	1 1	
D4120.02-55.55F51-P48	2,187	4,374	5,99	3,250	2,000	2,440	0,119	1 1	
D4120.02-57.15F51-P48	2,250	4,500	6,12	3,250	2,000	2,440	0,124	1 1	

Bodies and assembly parts are included in the scope of delivery

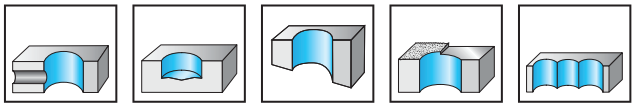
Assembly parts	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

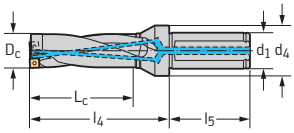
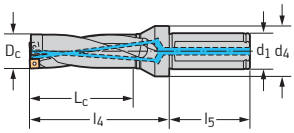
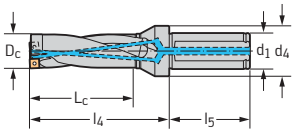
Indexable insert drills
D4120.03

3×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120.03	●●	●●	●●	●●	●●		

Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch		No. of inserts	Type
 Cylindrical shank with flat	D4120.03-13.49F19-P41	0,531	1,593	2,380	2,031	0,750	1,125	0,007	1 1	P484 . P-1R- .. P484 . C-1R- ..
	D4120.03-13.89F19-P41	0,547	1,641	2,428	2,031	0,750	1,125	0,007	1 1	
	D4120.03-14.27F19-P41	0,562	1,686	2,473	2,031	0,750	1,125	0,009	1 1	
	D4120.03-14.68F19-P41	0,578	1,734	2,521	2,031	0,750	1,125	0,010	1 1	
	D4120.03-15.09F19-P41	0,594	1,782	2,569	2,031	0,750	1,125	0,008	1 1	
	D4120.03-15.47F19-P41	0,609	1,827	2,614	2,031	0,750	1,125	0,008	1 1	
	D4120.03-15.88F19-P41	0,625	1,875	2,662	2,031	0,750	1,125	0,01	1 1	
 Cylindrical shank with flat	D4120.03-16.66F26-P42	0,656	1,968	2,97	2,281	1,000	1,375	0,017	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120.03-17.04F26-P42	0,671	2,013	3,010	2,281	1,000	1,375	0,016	1 1	
	D4120.03-17.45F26-P42	0,687	2,061	3,060	2,281	1,000	1,375	0,016	1 1	
	D4120.03-17.86F26-P42	0,703	2,109	3,110	2,281	1,000	1,375	0,016	1 1	
	D4120.03-18.24F26-P42	0,718	2,154	3,150	2,281	1,000	1,375	0,017	1 1	
	D4120.03-19.05F26-P42	0,750	2,250	3,250	2,281	1,000	1,375	0,018	1 1	
	D4120.03-19.43F26-P42	0,765	2,295	3,300	2,281	1,000	1,375	0,017	1 1	
	D4120.03-19.84F26-P42	0,781	2,343	3,34	2,281	1,000	1,375	0,019	1 1	
 Cylindrical shank with flat	D4120.03-20.62F26-P43	0,812	2,436	3,44	2,281	1,000	1,375	0,019	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120.03-21.41F26-P43	0,843	2,529	3,530	2,281	1,000	1,375	0,019	1 1	
	D4120.03-22.23F31-P43	0,875	2,625	3,760	2,281	1,250	1,625	0,028	1 1	
	D4120.03-23.01F31-P43	0,906	2,718	3,850	2,281	1,250	1,625	0,028	1 1	
	D4120.03-23.39F31-P43	0,921	2,763	3,89	2,281	1,250	1,625	0,027	1 1	
	D4120.03-23.80F31-P43	0,937	2,811	3,94	2,281	1,250	1,625	0,027	1 1	

Bodies and assembly parts are included in the scope of delivery

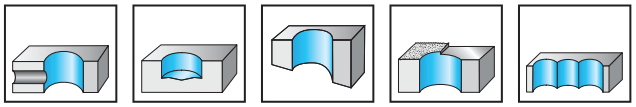
Assembly parts	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

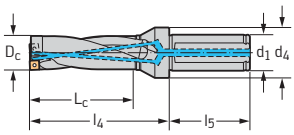
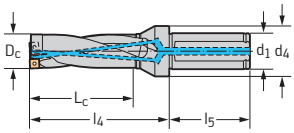
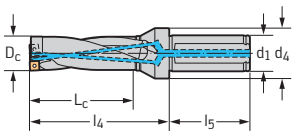
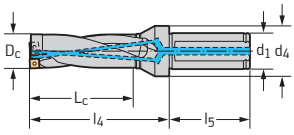
Indexable insert drills
D4120.03

3×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120.03	●●	●●	●●	●●	●●		

Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch		No. of inserts	Type
 Cylindrical shank with flat	D4120.03-24.59F31-P44	0,968	2,904	4,030	2,281	1,250	1,625	0,026	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120.03-24.99F31-P44	0,984	2,952	4,080	2,281	1,250	1,625	0,027	1 1	
	D4120.03-25.40F31-P44	1,000	3,000	4,130	2,281	1,250	1,625	0,030	1 1	
	D4120.03-26.57F31-P44	1,046	3,138	4,27	2,281	1,250	1,625	0,028	1 1	
	D4120.03-26.97F31-P44	1,062	3,186	4,32	2,281	1,250	1,625	0,031	1 1	
	D4120.03-28.17F31-P44	1,109	3,327	4,460	2,281	1,250	1,625	0,031	1 1	
	D4120.03-28.58F31-P44	1,125	3,375	4,510	2,281	1,250	1,625	0,033	1 1	
 Cylindrical shank with flat	D4120.03-29.74F31-P45	1,171	3,513	4,64	2,281	1,250	1,625	0,031	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120.03-30.15F31-P45	1,187	3,561	4,69	2,281	1,250	1,625	0,033	1 1	
	D4120.03-31.75F31-P45	1,250	3,750	4,880	2,281	1,250	1,625	0,037	1 1	
	D4120.03-33.32F31-P45	1,312	3,936	5,07	2,281	1,250	1,625	0,039	1 1	
	D4120.03-34.11F31-P45	1,343	4,029	5,160	2,281	1,250	1,625	0,039	1 1	
	D4120.03-34.93F31-P45	1,375	4,125	5,260	2,281	1,250	1,625	0,042	1 1	
 Cylindrical shank with flat	D4120.03-36.09F31-P46	1,421	4,263	5,39	2,281	1,250	1,625	0,041	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120.03-36.50F38-P46	1,437	4,311	5,69	2,688	1,500	1,940	0,055	1 1	
	D4120.03-38.10F38-P46	1,500	4,500	5,880	2,688	1,500	1,940	0,06	1 1	
	D4120.03-39.67F38-P46	1,562	4,686	6,07	2,688	1,500	1,940	0,062	1 1	
	D4120.03-41.28F38-P46	1,625	4,875	6,260	2,688	1,500	1,940	0,069	1 1	
 Cylindrical shank with flat	D4120.03-42.85F38-P47	1,687	5,061	6,44	2,688	1,500	1,940	0,066	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120.03-44.45F38-P47	1,750	5,250	6,630	2,688	1,500	1,940	0,070	1 1	
	D4120.03-46.02F38-P47	1,812	5,436	6,82	2,688	1,500	1,940	0,074	1 1	
	D4120.03-47.63F38-P47	1,875	5,625	7,010	2,688	1,500	1,940	0,079	1 1	
	D4120.03-49.20F38-P47	1,937	5,811	7,19	2,688	1,500	1,940	0,084	1 1	

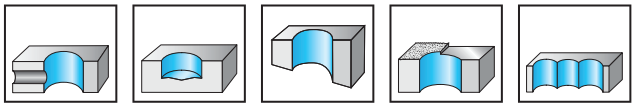
Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

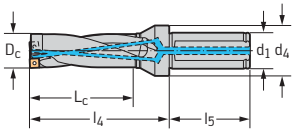
Indexable insert drills
D4120.03

3×Dc | Z=1



	P	M	K	N	S	H	O
D4120.03	●●	●●	●●	●●	●●		

Tool



Cylindrical shank with flat

Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch		No. of inserts	Type
D4120.03-50.80F51-P48	2,000	6,000	7,62	3,250	2,000	2,440	0,125	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120.03-52.37F51-P48	2,062	6,186	7,810	3,250	2,000	2,440	0,131	1 1	
D4120.03-53.98F51-P48	2,125	6,375	8,000	3,250	2,000	2,440	0,137	1 1	
D4120.03-55.55F51-P48	2,187	6,561	8,180	3,250	2,000	2,440	0,144	1 1	
D4120.03-57.15F51-P48	2,250	6,750	8,37	3,250	2,000	2,440	0,152	1 1	

Bodies and assembly parts are included in the scope of delivery

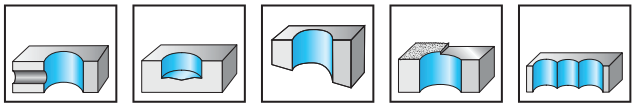
Assembly parts	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

Indexable insert drills
D4120.04

4×Dc | Z=1

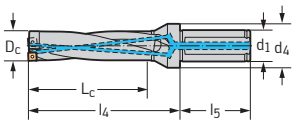
B1



	P	M	K	N	S	H	O
D4120.04	●●	●	●●	●●	●		

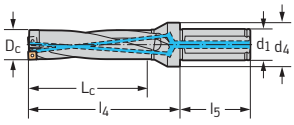
Tool

Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	Dc	No. of inserts	Type
D4120.04-16.66F26-P42	0,656	2,624	3,62	2,281	1,000	1,375	0,016	1 1	P484 . P-2R- .. P484 . C-2R- ..
D4120.04-17.04F26-P42	0,671	2,684	3,680	2,281	1,000	1,375	0,017	1 1	
D4120.04-17.45F26-P42	0,687	2,748	3,750	2,281	1,000	1,375	0,017	1 1	
D4120.04-17.86F26-P42	0,703	2,812	3,810	2,281	1,000	1,375	0,017	1 1	
D4120.04-18.24F26-P42	0,718	2,872	3,87	2,281	1,000	1,375	0,017	1 1	
D4120.04-19.05F26-P42	0,750	3,000	4,000	2,281	1,000	1,375	0,018	1 1	
D4120.04-19.43F26-P42	0,765	3,060	4,060	2,281	1,000	1,375	0,018	1 1	
D4120.04-19.84F26-P42	0,781	3,124	4,12	2,281	1,000	1,375	0,018	1 1	



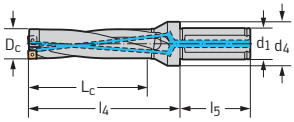
Cylindrical shank with flat

Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	Dc	No. of inserts	Type
D4120.04-20.62F26-P43	0,812	3,248	4,250	2,281	1,000	1,375	0,019	1 1	P484 . P-3R- .. P484 . C-3R- ..
D4120.04-21.41F26-P43	0,843	3,372	4,37	2,281	1,000	1,375	0,019	1 1	
D4120.04-22.23F31-P43	0,875	3,500	4,630	2,281	1,250	1,625	0,030	1 1	
D4120.04-23.01F31-P43	0,906	3,624	4,750	2,281	1,250	1,625	0,029	1 1	
D4120.04-23.39F31-P43	0,921	3,684	4,810	2,281	1,250	1,625	0,027	1 1	
D4120.04-23.80F31-P43	0,937	3,748	4,880	2,281	1,250	1,625	0,031	1 1	



Cylindrical shank with flat

Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	Dc	No. of inserts	Type
D4120.04-24.59F31-P44	0,968	3,872	5,000	2,281	1,250	1,625	0,028	1 1	P484 . P-4R- .. P484 . C-4R- ..
D4120.04-24.99F31-P44	0,984	3,936	5,07	2,281	1,250	1,625	0,032	1 1	
D4120.04-25.40F31-P44	1,000	4,000	5,130	2,281	1,250	1,625	0,032	1 1	
D4120.04-26.57F31-P44	1,046	4,184	5,310	2,281	1,250	1,625	0,031	1 1	
D4120.04-26.97F31-P44	1,062	4,248	5,380	2,281	1,250	1,625	0,034	1 1	
D4120.04-28.17F31-P44	1,109	4,436	5,57	2,281	1,250	1,625	0,034	1 1	
D4120.04-28.58F31-P44	1,125	4,500	5,630	2,281	1,250	1,625	0,035	1 1	



Cylindrical shank with flat

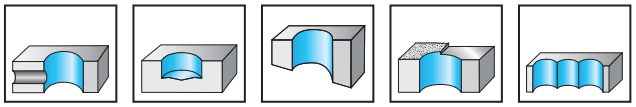
Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

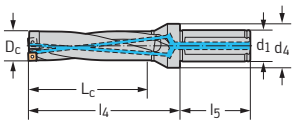
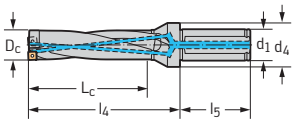
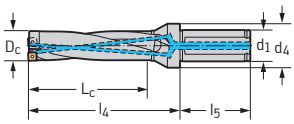
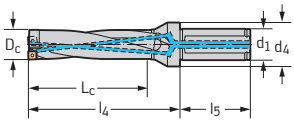
Indexable insert drills
D4120.04

B1



4×Dc | Z=1

	P	M	K	N	S	H	O
D4120.04	●●	●	●●	●●	●		

Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch		No. of inserts	Type
 Cylindrical shank with flat	D4120.04-29.74F31-P45	1,171	4,684	5,810	2,281	1,250	1,625	0,036	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120.04-30.15F31-P45	1,187	4,748	5,880	2,281	1,250	1,625	0,039	1 1	
	D4120.04-31.75F31-P45	1,250	5,000	6,130	2,281	1,250	1,625	0,041	1 1	
	D4120.04-33.32F31-P45	1,312	5,248	6,380	2,281	1,250	1,625	0,043	1 1	
	D4120.04-34.11F31-P45	1,343	5,372	6,496	2,281	1,250	1,625	0,042	1 1	
	D4120.04-34.93F31-P45	1,375	5,500	6,630	2,281	1,250	1,625	0,048	1 1	
 Cylindrical shank with flat	D4120.04-36.09F31-P46	1,421	5,684	6,810	2,281	1,250	1,625	0,043	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120.04-36.50F38-P46	1,437	5,748	7,130	2,688	1,500	1,940	0,059	1 1	
	D4120.04-38.10F38-P46	1,500	6,000	7,380	2,688	1,500	1,940	0,066	1 1	
	D4120.04-39.67F38-P46	1,562	6,248	7,630	2,688	1,500	1,940	0,07	1 1	
	D4120.04-41.28F38-P46	1,625	6,500	7,880	2,688	1,500	1,940	0,072	1 1	
 Cylindrical shank with flat	D4120.04-42.85F38-P47	1,687	6,748	8,128	2,688	1,500	1,940	0,076	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120.04-44.45F38-P47	1,750	7,000	8,380	2,688	1,500	1,940	0,081	1 1	
	D4120.04-46.02F38-P47	1,812	7,248	8,628	2,688	1,500	1,940	0,087	1 1	
	D4120.04-47.63F38-P47	1,875	7,500	8,880	2,688	1,500	1,940	0,093	1 1	
	D4120.04-49.20F38-P47	1,937	7,748	9,128	2,688	1,500	1,940	0,1	1 1	
 Cylindrical shank with flat	D4120.04-50.80F51-P48	2,000	8,000	9,62	3,250	2,000	2,440	0,145	1 1	P484 . P-8R- .. P484 . C-8R- ..
	D4120.04-52.37F51-P48	2,062	8,248	9,868	3,250	2,000	2,440	0,153	1 1	
	D4120.04-53.98F51-P48	2,125	8,500	10,12	3,250	2,000	2,440	0,168	1 1	
	D4120.04-55.55F51-P48	2,187	8,748	10,368	3,250	2,000	2,440	0,171	1 1	
	D4120.04-57.15F51-P48	2,250	9,000	10,62	3,250	2,000	2,440	0,18	1 1	

Bodies and assembly parts are included in the scope of delivery

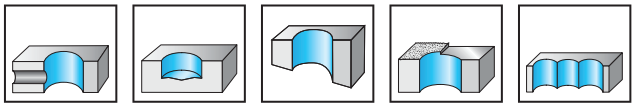
Assembly parts	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

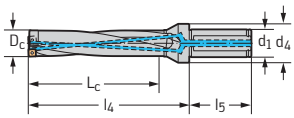
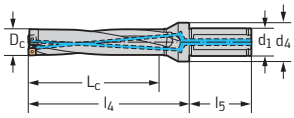
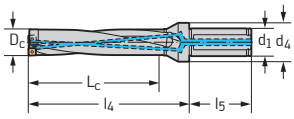
Indexable insert drills
D4120.05

5×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120.05	●●		●●	●●			

Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch		No. of inserts	Type
 Cylindrical shank with flat	D4120.05-16.66F26-P42	0,656	3,280	4,280	2,281	1,000	1,375	0,018	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120.05-17.04F26-P42	0,671	3,355	4,355	2,281	1,000	1,375	0,019	1 1	
	D4120.05-17.45F26-P42	0,687	3,435	4,435	2,281	1,000	1,375	0,019	1 1	
	D4120.05-17.86F26-P42	0,703	3,515	4,515	2,281	1,000	1,375	0,019	1 1	
	D4120.05-18.24F26-P42	0,718	3,590	4,59	2,281	1,000	1,375	0,020	1 1	
	D4120.05-19.05F26-P42	0,750	3,750	4,750	2,281	1,000	1,375	0,021	1 1	
	D4120.05-19.43F26-P42	0,765	3,825	4,825	2,281	1,000	1,375	0,020	1 1	
	D4120.05-19.84F26-P42	0,781	3,905	4,905	2,281	1,000	1,375	0,02	1 1	
 Cylindrical shank with flat	D4120.05-20.62F26-P43	0,812	4,06	5,060	2,281	1,000	1,375	0,021	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120.05-21.41F26-P43	0,843	4,215	5,215	2,281	1,000	1,375	0,022	1 1	
	D4120.05-22.23F31-P43	0,875	4,375	5,505	2,281	1,250	1,625	0,031	1 1	
	D4120.05-23.01F31-P43	0,906	4,530	5,660	2,281	1,250	1,625	0,032	1 1	
	D4120.05-23.39F31-P43	0,921	4,605	5,735	2,281	1,250	1,625	0,032	1 1	
	D4120.05-23.80F31-P43	0,937	4,685	5,815	2,281	1,250	1,625	0,033	1 1	
 Cylindrical shank with flat	D4120.05-24.59F31-P44	0,968	4,840	5,97	2,281	1,250	1,625	0,033	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120.05-24.99F31-P44	0,984	4,92	6,050	2,281	1,250	1,625	0,035	1 1	
	D4120.05-25.40F31-P44	1,000	5,000	6,130	2,362	1,250	1,625	0,035	1 1	
	D4120.05-26.57F31-P44	1,046	5,230	6,360	2,281	1,250	1,625	0,037	1 1	
	D4120.05-26.97F31-P44	1,062	5,31	6,44	2,281	1,250	1,625	0,037	1 1	
	D4120.05-28.17F31-P44	1,109	5,545	6,675	2,281	1,250	1,625	0,040	1 1	
	D4120.05-28.58F31-P44	1,125	5,625	6,755	2,281	1,250	1,625	0,040	1 1	

Bodies and assembly parts are included in the scope of delivery

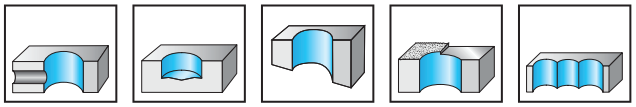
Assembly parts	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

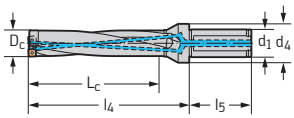
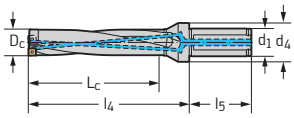
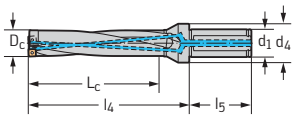
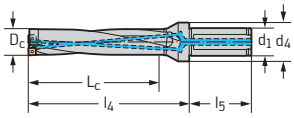
Indexable insert drills
D4120.05

5×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120.05	●●		●●	●●			

Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch		No. of inserts	Type
 Cylindrical shank with flat	D4120.05-29.74F31-P45	1,171	5,855	6,985	2,281	1,250	1,625	0,042	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120.05-30.15F31-P45	1,187	5,935	7,065	2,281	1,250	1,625	0,042	1 1	
	D4120.05-31.75F31-P45	1,250	6,250	7,380	2,281	1,250	1,625	0,046	1 1	
	D4120.05-33.32F31-P45	1,312	6,56	7,69	2,281	1,250	1,625	0,050	1 1	
	D4120.05-34.11F31-P45	1,343	6,715	7,845	2,281	1,250	1,625	0,052	1 1	
	D4120.05-34.93F31-P45	1,375	6,875	8,005	2,281	1,250	1,625	0,054	1 1	
 Cylindrical shank with flat	D4120.05-36.09F31-P46	1,421	7,105	8,235	2,281	1,250	1,625	0,052	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120.05-36.50F38-P46	1,437	7,185	8,565	2,688	1,500	1,940	0,068	1 1	
	D4120.05-38.10F38-P46	1,500	7,500	8,880	2,688	1,500	1,940	0,073	1 1	
	D4120.05-39.67F38-P46	1,562	7,81	9,19	2,688	1,500	1,940	0,082	1 1	
	D4120.05-41.28F38-P46	1,625	8,125	9,505	2,688	1,500	1,940	0,082	1 1	
 Cylindrical shank with flat	D4120.05-42.85F38-P47	1,687	8,435	9,815	2,688	1,500	1,940	0,083	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120.05-44.45F38-P47	1,750	8,750	10,130	2,688	1,500	1,940	0,092	1 1	
	D4120.05-46.02F38-P47	1,812	9,06	10,44	2,688	1,500	1,940	0,099	1 1	
	D4120.05-47.63F38-P47	1,875	9,375	10,755	2,688	1,500	1,940	0,107	1 1	
	D4120.05-49.20F38-P47	1,937	9,685	11,065	2,688	1,500	1,940	0,115	1 1	
 Cylindrical shank with flat	D4120.05-50.80F51-P48	2,000	10,000	11,62	3,250	2,000	2,440	0,163	1 1	P484 . P-8R- .. P484 . C-8R- ..
	D4120.05-52.37F51-P48	2,062	10,31	11,930	3,250	2,000	2,440	0,173	1 1	
	D4120.05-53.98F51-P48	2,125	10,625	12,245	3,250	2,000	2,440	0,184	1 1	
	D4120.05-55.55F51-P48	2,187	10,935	12,555	3,250	2,000	2,440	0,195	1 1	
	D4120.05-57.15F51-P48	2,250	11,250	12,87	3,250	2,000	2,440	0,206	1 1	

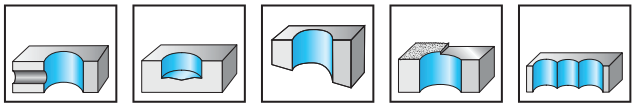
Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

Accessories	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	Torque screwdriver, analogue	FS2002	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

Indexable insert drill with cartridge
D4170-03

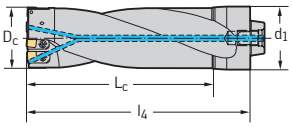
B1



D_c 65–80	3×D_c	Z=1

	P	M	K	N	S	H	O
D4170-03	●●	●●	●●	●●	●●		

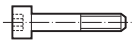
Tool



Modular NCT adaptor

Designation	D_c mm	L_c mm	l_4 mm	d_1 mm	d_1		No. of inserts	Type
D4170-03-65.00N8-P45	65	195	245	80	NCT 80	4,32	3 1	P484 . P-5R- .. P484 . C-5R- ..
D4170-03-68.00N8-P46	68	204	254	80	NCT 80	4,68	3 1	P484 . P-6R- .. P484 . C-6R- ..
D4170-03-70.00N8-P46	70	210	260	80	NCT 80	4,94	3 1	
D4170-03-78.00N8-P46	78	234	284	80	NCT 80	6,13	3 1	
D4170-03-80.00N8-P45	80	240	290	80	NCT 80	6,33	5 1	P484 . P-5R- .. P484 . C-5R- ..

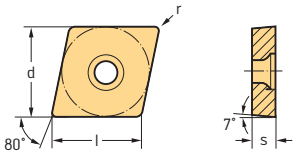
Important: A disc forms where through-holes are created by a rotating tool. This disc might then be ejected. Please take precautionary measures.
Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	65	68	70	78	80
	Clamping screw for indexable insert Tightening torque	FS1453 (T15IP) 3,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1453 (T15IP) 3,5 Nm
	Adjusting screw, radial	FS334 (SW 2)	FS334 (SW 2)	FS334 (SW 2)	FS334 (SW 2)	FS334 (SW 2)
	Internal cartridge	FR737C-5	FR743C-6	FR743C-6	FR743C-6	FR737C-5
	External cartridge 1	FR738P-5	FR744P-6	FR744P-6	FR744P-6	FR738P-5
	External cartridge 2	FR741P-5	FR745P-6	FR746P-6	FR748P-6	FR739P-5
	Clamping screw for Tightening torque	FS1149 (SW 4) 5 Nm	FS1149 (SW 4) 5 Nm	FS1149 (SW 4) 5 Nm	FS1149 (SW 4) 5 Nm	FS1149 (SW 4) 5 Nm

Accessories	D_c [mm]	65–80
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)
	ISO 2936 key for	ISO2936-4 (SW 4)
	Screwdriver	FS1485 (T15IP)
Three external cartridges 1 (FR738P-5) are fitted in tools with the diameter Dc = 80 mm		

B1

Positive rhombic 80°
CCGT



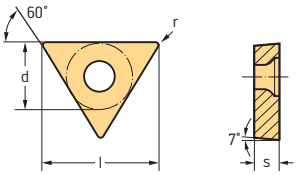
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	CCGT060201-FN2	6,45	0,1	0,02–0,06	0,1–1,5		☹		
	CCGT060202-FN2	6,45	0,2	0,05–0,12	0,2–2,0		☹	☺	
	CCGT060204-FN2	6,45	0,4	0,08–0,25	0,2–2,5		☹	☺	
	CCGT09T301-FN2	9,67	0,1	0,02–0,06	0,1–1,5		☹		
	CCGT09T302-FN2	9,67	0,2	0,05–0,12	0,2–2,0		☹	☺	
	CCGT09T304-FN2	9,67	0,4	0,08–0,25	0,2–2,5		☹	☺	
	CCGT09T308-FN2	9,67	0,8	0,10–0,30	0,3–3,0		☹	☺	
	CCGT120404-FN2	12,9	0,4	0,08–0,25	0,2–3,0		☹	☺	
	CCGT120408-FN2	12,9	0,8	0,10–0,30	0,3–3,5		☹	☺	
	CCGT060201-MN2	6,45	0,1	0,02–0,06	0,5–1,5		☹	☺	
	CCGT060202-MN2	6,45	0,2	0,05–0,12	0,5–2,0	☺	☹	☺	☹
	CCGT060204-MN2	6,45	0,4	0,08–0,25	0,6–3,0	☺	☹	☺	☹
	CCGT09T301-MN2	9,67	0,1	0,02–0,06	0,5–1,5		☹	☺	
	CCGT09T302-MN2	9,67	0,2	0,05–0,12	0,5–2,0	☺	☹	☺	☹
	CCGT09T304-MN2	9,67	0,4	0,08–0,25	0,6–4,0	☺	☹	☺	☹
	CCGT09T308-MN2	9,67	0,8	0,10–0,35	0,8–4,0	☺	☹	☺	☹
	CCGT120402-MN2	12,9	0,2	0,05–0,12	0,5–2,0		☹	☺	
	CCGT120404-MN2	12,9	0,4	0,08–0,25	0,6–5,0		☹	☺	
	CCGT120408-MN2	12,9	0,8	0,10–0,35	0,8–5,0		☹	☺	

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Positive triangular 60°
TCGT



Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	TCGT06T101-FN2	6,87	0,1	0,02–0,06	0,1–1,5		☹		
	TCGT06T102-FN2	6,87	0,2	0,05–0,12	0,2–2,0		☹		
	TCGT06T104-FN2	6,87	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT090202-FN2	9,62	0,2	0,05–0,12	0,2–2,0		☹		
	TCGT090204-FN2	9,62	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT110202-FN2	11	0,2	0,05–0,12	0,2–2,0		☹		
	TCGT110204-FN2	11	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT16T304-FN2	16,5	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT16T308-FN2	16,5	0,8	0,10–0,30	0,3–3,0		☹	☺	
	TCGT110201-MN2	11	0,1	0,02–0,06	0,5–1,5		☹		
	TCGT110202-MN2	11	0,2	0,05–0,12	0,6–2,0		☹	☺	
	TCGT110204-MN2	11	0,4	0,08–0,25	0,6–3,0	☺	☹	☺	☹
	TCGT16T302-MN2	16,5	0,2	0,05–0,12	0,5–2,0		☹	☺	
	TCGT16T304-MN2	16,5	0,4	0,08–0,25	0,6–4,0	☺	☹	☺	☹
	TCGT16T308-MN2	16,5	0,8	0,10–0,35	0,8–4,0	☺	☹	☺	☹

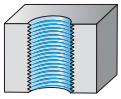
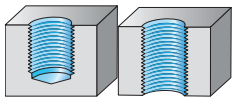
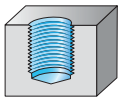
See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

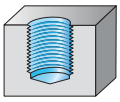
B 2

B – Threading

Tapping

Machining					
Thread depth	2 x D_N	2 x D_N	2 x D_N	3 x D_N	1,5 x D_N
					
Designation	Prototex® HSC	TC388 Supreme	TC389 Supreme	Paradur® HS	Paradur® N
Thread type					
M	✔	✔	✔	✔	✔
MF	✔			✔	
UNC / UNF / UN-8				✔	
G / Rc / Rp		✔			
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Thread insert					
Tolerance	6HX	6HX / NORMAL	6HX	2B / 6H	6H
Coolant supply	axial	External	External	External	External
Chamfer form	B	C	D	C	C
Coating / grade	TICN	WJ30BA	WE10BA	TICN	TICN
Cutting tool material	Carbide	Carbide	Carbide	Carbide	Carbide
P Steel	●●				
M Stainless steel					
K Cast iron	●●			●	●●
N NF metals				●●	●●
S Materials with difficult cutting properties		●	●	●	
H Hard materials		●●	●●	●	
O Other				●●	●
Page in catalogue					
QR code					
www.walter-tools.com/woc/	prototex-hsc	TC388	TC389	paradur-hs	paradur-n

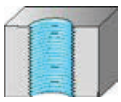
B 4



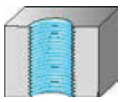
	2 x D_N	3 x D_N	3 x D_N	3,5 x D_N	3,5 x D_N
					
	Paradur® HSC	Paradur® Engine	Paradur® HS	Paradur® GG	Paradur® N
	✔	✔	✔	✔	✔
	✔	✔		✔	
	6HX	6HX	6H	6HX	6H
	axial	axial	axial	axial	axial
	C	E	C	C	C
	TICN		TICN	TAFT	
	Carbide	Carbide	Carbide	Carbide	Carbide
	●●				
	●●	●●	●	●●	●●
		●●	●●	●	●●
			●		
	●●		●		
			●●	●	●
	paradur-hsc	paradur-engine	paradur-hs	paradur-gg	paradur-n

B 4

Tapping

Machining						
Thread depth	1 x D_N	1 x D_N	1 x D_N	1 x D_N	1 x D_N	
						
Designation	AMB	AMB Inox	MMB	Protostep Inox	Prototex® OS	
Thread type						
M	✔	✔	✔	✔	✔	
MF						
UNC / UNF / UN-8						
G / Rc / Rp						
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr						
Thread insert						
Tolerance	6G / 7G	6HX	6H	6HX	6H	
Coolant supply	External	External	External	External	External	
Chamfer form	18 P	18 P	20 P / 21 P / 22 P / 25 P / 26 P / 30 P / 32 P / 36 P	NA	B	
Coating / grade	NID / TIN	NID		VAP		
Cutting tool material	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	
P Steel	●●		●●		●●	
M Stainless steel		●●		●●		
K Cast iron						
N NF metals					●	
S Materials with difficult cutting properties						
H Hard materials						
O Other						
Page in catalogue						
QR code						
www.walter-tools.com/woc/	amb	amb-inox	mmb	protostep-inox	prototex-os	

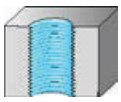
B 4



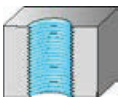
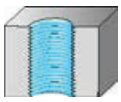
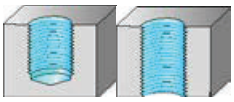
	2 x D_N	2 x D_N	2 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N
							
	Prototex® TiNi	Prototex® TiNi Plus	TMB	KMB H	Paradur® N	Prototex® Megasprint	Prototex® Sprint
	✔	✔		✔	✔	✔	✔
	✔	✔					✔
	✔						
		✔					
	2B / 3B / 4H / 4HX / 6HX	3B / 6HX	7H	6H / NORMAL	6H	6H	6H
	External	External	External	External	External	axial	External
	B	B	24 P	B	D	B	B
	TICN	ACN				TIN	TICN / TIN
	HSS-E-PM	HSS-E-PM	HSS-E	HSS-E	HSS-E	HSS-E-PM	HSS-E-PM
	●●		●●	●●	●●	●	●
	●●					●	●
			●●	●●	●●		
	●		●●	●●	●●	●	●
	●●	●●					
			●	●			
	prototex-tini	prototex-tini-plus	tmb	kmb-h	paradur-n	prototex-megasprint	prototex-sprint

B 4

Tapping

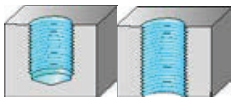
Machining						
Thread depth	3 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N	
						
Designation	Prototex® Synchrospeed	Prototex® X·pert M	Prototex® X·pert N	Prototex® X·pert P	Prototex® X·pert P AZ	
Thread type						
M	✔	✔	✔	✔	✔	
MF	✔	✔		✔		
UNC / UNF / UN-8	✔	✔		✔		
G / Rc / Rp		✔		✔		
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr				✔		
Thread insert						
Tolerance	2B / 6HX	2B / 3B / 5HX / 6GX / 6HMOD / 6HX /	6H	2B / 3B / 4H / 6G / 6H / 6HMOD / 7G /	6H	
Coolant supply	External	External	External	External	External	
Chamfer form	B	B	B	B	B	
Coating / grade	THL / TIN	TICN / TIN / VAP		TICN / TIN		
Cutting tool material	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	
P Steel	●●	●		●●	●●	
M Stainless steel	●●	●●				
K Cast iron	●●				●●	
N NF metals	●●		●●	●	●●	
S Materials with difficult cutting properties	●●		●			
H Hard materials						
O Other	●●		●	●	●	
Page in catalogue						
QR code						
www.walter-tools.com/woc/	prototex-synchrospeed	prototex-xpert-m	prototex-xpert-n	prototex-xpert-p	prototex-xpert-p-az	

B 4

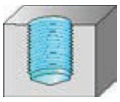
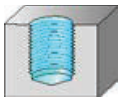
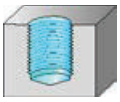
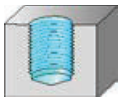
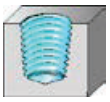
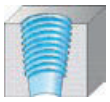
							
	3 x D_N	3,5 x D_N	3,5 x D_N	1,5 x D_N	1,5 x D_N	2 x D_N	2 x D_N
		Selection					
							
	TC217 Advance	Prototex® Eco Plus	TC216 Perform	Paradur® H	Paradur® H AZ	HGB	HGB Inox
	✔	✔	✔	✔	✔	✔	✔
		✔	✔	✔			
	✔	✔	✔				
		✔		✔			
	2B/3B / 6HX / H11 / H7	2B / 6GX / 6HX / NORMAL	2B / 6H	6H / NORMAL	6H	6H	6HX
	External	External / axial	External	External	External	External	External
	B	B	B	C	C	C	C
	WY80FC / WY80RG	THL / TIN	WY80AA / WY80FC	TIN			VAP
	HSS-E	HSS-E-PM	HSS-E	HSS-E	HSS-E	BMC_4 _x_	HSS-E
	●●	●●	●●			●	●
	●●	●●	●●				●
	●●	●●	●●	●	●●	●	
	●●	●●	●●	●●	●●	●	
				●	●		
		274					
	TC217	prototex-eco-plus	TC216	paradur-h	paradur-h-az	hgb	hgb-inox

B 4

Tapping

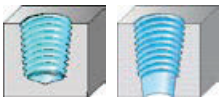
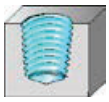
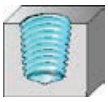
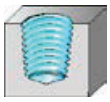
Machining						
Thread depth	2 x D_N	2 x D_N	2 x D_N	3 x D_N	3 x D_N	
						
Designation	HGB Ti	Paradur® AP	Paradur® FT	KMB Ms	Paradur® Eco CI	
Thread type						
M	✔	✔	✔	✔	✔	
MF					✔	
UNC / UNF / UN-8					✔	
G / Rc / Rp				✔	✔	
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr						
Thread insert						
Tolerance	6HX	6HX	6H	6H / NORMAL	2B / 6HX / NORMAL	
Coolant supply	External	External	External	External	External	
Chamfer form	C	C	D	E / F	C / E	
Coating / grade	NID	NIT			NID / TICN	
Cutting tool material	HSS-E	HSS-E	HSS-E-PM	HSS-E	HSS-E-PM	
P Steel						
M Stainless steel						
K Cast iron					●●	
N NF metals		●●		●●	●●	
S Materials with difficult cutting properties	●	●	●			
H Hard materials						
O Other			●	●	●●	
Page in catalogue						
QR code						
www.walter-tools.com/woc/	hgb-ti	paradur-ap	paradur-ft	kmb-ms	paradur-eco-ci	

B 4

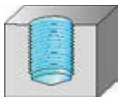
						 	
	3 x D_N	3 x D_N	3 x D_N	3 x D_N			
							
	Paradur® X·pert K	Paradur® X·pert N	TC115 Perform	TC117 Advance	Paradur Inox®	Paradur Inox® 40	Paradur® H
	✔	✔		✔			
			✔	✔			
					✔	✔	
	2B / 6HX	2B / 3B / 6H	2B	2B/3B / 3B / 6HX / H11 / H7	NORMAL	NORMAL	NORMAL
	External	External	External	External	External	External	External
	C	C	C	C / E	C	C	C
	TAFT		WY80AA	WY80FC / WY80RG	THL / VAP		
	HSS-E-PM	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E
			●●	●●	●●	●●	
			●●	●●	●●	●●	
	●●		●●	●●	●	●	●
	●	●●	●	●●		●	●●
		●					
		●					●
	paradur-xpert-k	paradur-xpert-n	TC115	TC117	paradur-inox	paradur-inox-40	paradur-h

B 4

Tapping

Machining						
Thread depth						
						
Designation	**Paradur® N**	**Paradur® Ni**	**Paradur Inox®**	**Paradur® H**	**Paradur® Ni**	
Thread type						
M						
MF						
UNC / UNF / UN-8						
G / Rc / Rp						
MJ / UNJC / UNJF						
NPT / NPTF	✔	✔	✔	✔	✔	
Pg / BSW / Tr						
Thread insert						
Tolerance	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	
Coolant supply	External	External	External	External	External	
Chamfer form	C	C	C	C	C	
Coating / grade	VAP	TICN	VAP		VAP	
Cutting tool material	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	
P Steel	●●	●	●●		●●	
M Stainless steel			●●			
K Cast iron	●●		●	●	●●	
N NF metals	●●			●●	●●	
S Materials with difficult cutting properties		●●				
H Hard materials						
O Other				●		
Page in catalogue						
QR code						
www.walter-tools.com/woc/	paradur-n	paradur-ni	paradur-inox	paradur-h	paradur-ni	

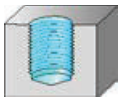
B 4



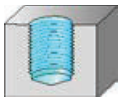
	1,5 x D_N	1,5 x D_N	1,5 x D_N	1,5 x D_N	1,5 x D_N	1,5 x D_N	2 x D_N
							
	Paradur Inox® 25	Paradur® HN	Paradur® N	Paradur® Ni	Paradur® Ni 10	TC122 Supreme	Paradur® Ti
	✔		✔	✔	✔	✔	✔
	✔	✔	✔		✔		✔
			✔	✔	✔		✔
	✔		✔				
					✔		✔
	6HX / NORMAL	6HX	2B / 3B / 6G / 6H / NORMAL	2B / 3B / 4H / 4HX / 6HX	3B / 4H / 6HX	6HX	2B / 3B / 4H / 6HX
	External	External	External	External	External	External	External
	E	E	C	C / E	C	C	C / E
	TIN		TICN / TIN	TICN / VAP	TICN / TIN	WW60BC	TICN / VAP
	HSS-E	HSS-E	HSS-E	HSS-E-PM / HSS-E	HSS-E-PM	HSS-E-PM	HSS-E-PM
	●●	●●	●●	●●	●●	●●	●●
	●●						
		●●	●●	●●		●	
		●●	●●	●	●		●
				●●	●●		●●
	paradur-inox-25	paradur-hn	paradur-n	paradur-ni	paradur-ni-10	TC122	paradur-ti

B 4

Tapping

Machining						
Thread depth	2 x D_N	2,5 x D_N	2,5 x D_N	2,5 x D_N	2,5 x D_N	
						
Designation	Paradur® Ti Plus	Paradur® H 24	Paradur® STE	Paradur® Synchrospeed	Paradur® X·pert M	
Thread type						
M	✔	✔	✔	✔	✔	
MF	✔		✔	✔	✔	
UNC / UNF / UN-8				✔	✔	
G / Rc / Rp			✔	✔	✔	
MJ / UNJC / UNJF	✔					
NPT / NPTF						
Pg / BSW / Tr						
Thread insert						
Tolerance	3B / 6HX	6HX	6HX / NORMAL	2B / 6HX / NORMAL	2B / 3B / 6GX / 6HMOD / 6HX / NORMAL	
Coolant supply	External	External	External	External / axial	External	
Chamfer form	C	C	E	C	C	
Coating / grade	ACN		THL	THL / TIN/VAP	THL / TICN / TIN / VAP	
Cutting tool material	HSS-E-PM	HSS-E-PM	HSS-E	HSS-E	HSS-E	
P Steel		●	●	●●	●	
M Stainless steel			●	●●	●●	
K Cast iron		●	●	●●		
N NF metals			●	●		
S Materials with difficult cutting properties	●●			●		
H Hard materials						
O Other				●		
Page in catalogue						
QR code						
www.walter-tools.com/woc/	paradur-ti-plus	paradur-h-24	paradur-ste	paradur-synchrospeed	paradur-xpert-m	

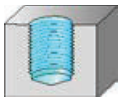
B 4



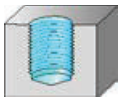
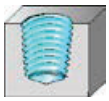
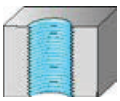
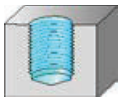
	2,5 x D_N	2,5 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N
					Selection		
							
	TC121 Supreme	TC122 Supreme	KMB WST	Paradur® Eco CI	Paradur® Eco Plus	Paradur® Uni	Paradur® WLM Synchrospeed
	✔	✔	✔	✔	✔	✔	✔
				✔	✔	✔	
				✔	✔		
					✔	✔	
	6HX	6HX	6H	2B / 6HX	2B / 6GX / 6HX / NORMAL	6G / 6H / NORMAL	6H
	External / axial	axial	External	axial / axial	External / axial / axial	External	External
	C	C	C	C / E	C / E	C	C
	WW60RG / WY80BD	WW60BC		TICN	THL / TIN	TIN / VAP	CRN
	HSS-E-PM	HSS-E-PM	HSS-E	HSS-E-PM	HSS-E-PM	HSS-E	HSS-E
	●●	●●	●●		●●	●●	●
	●				●●		
	●	●	●	●●	●●	●	
	●		●	●●	●●	●	●●
							●●
				●●			●●
					275		
	TC121	TC122	kmb-wst	paradur-eco-ci	paradur-eco-plus	paradur-uni	paradur-wlm-synchrospeed

B 4

Tapping

Machining					
Thread depth	3 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N
					
Designation	Paradur® X·pert N	Paradur® X·pert P	Paradur® X·pert P AZ	TC115 Perform	TC120 Supreme
Thread type					
M	✔	✔	✔	✔	✔
MF	✔	✔		✔	
UNC / UNF / UN-8		✔		✔	
G / Rc / Rp	✔	✔			
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr		✔			
Thread insert					
Tolerance	2B / 3B / 6G / 6H / 6HMOD / NORMAL	2B / 3B / 4H / 6G / 6H / 6HMOD / 7G / MEDIUM / NORMAL	6H	2B / 6H	6HX
Coolant supply	External	External	External	External	External / axial
Chamfer form	C	C	C	C / E	C
Coating / grade		THL / TIN		WY80AA / WY80FC	WW60AG
Cutting tool material	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E-PM
P Steel		●●	●●	●●	●●
M Stainless steel				●●	
K Cast iron				●●	
N NF metals	●●	●	●	●	●
S Materials with difficult cutting properties	●				
H Hard materials					
O Other	●	●	●		
Page in catalogue					
QR code					
www.walter-tools.com/woc/	paradur-xpert-n	paradur-xpert-p	paradur-xpert-p-az	TC115	TC120

B 4

							
3 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N		1,5 x D_N	2,5 x D_N	
							
TC142 Supreme	Paradur® HT	Paradur® NH	Paradur® Short Chip HT	Paradur Inox®	Paradur® Combi	Paradur® X·pert M	
✔	✔	✔	✔				
✔	✔		✔				
✔							
✔							
				✔			
2BX / 6HX / NORMAL	2B / 6H	6H	2BX / 6HX	NORMAL	6H	3B	
External	axial	axial	axial	External	External	External	
C	C	C	C	C	C	C	
WW60RB / WY80FC	TIN	TIN	THL	VAP		VAP	
HSS-E / HSS-E-PM	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	
●	●●	●●	●●	●●	●●	●	
●●				●●		●●	
	●●	●●	●	●	●		
	●	●	●		●		
	●	●					
TC142	paradur-ht	paradur-nh	paradur-short-chip-ht	paradur-inox	paradur-combi	paradur-xpert-m	

B 4

HSS-E PM machine taps

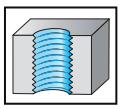
mm

Prototex® Eco Plus

≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 ~500 N/mm²

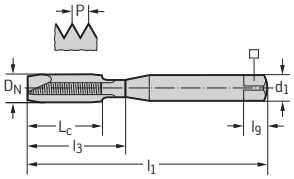
– For long-chipping materials

M DIN 13 | 6HX

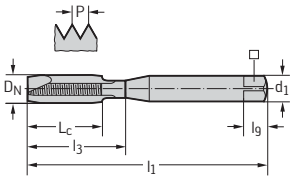


	P	M	K	N	S	H	O
THL EP2021302	●●	●●	●●	●●			
TIN EP2021305	●●	●●	●●	●●			

DIN 371



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2021302-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2021302-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2021302-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2021302-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2021302-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2021302-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021302-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021302-M10	M 10	1,5	100	20	39	10	8	11	3



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2021305-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2021305-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2021305-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2021305-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2021305-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2021305-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021305-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021305-M10	M 10	1,5	100	20	39	10	8	11	3

HSS-E PM machine taps

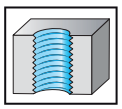
mm

Prototex® Eco Plus

≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 –500 N/mm²

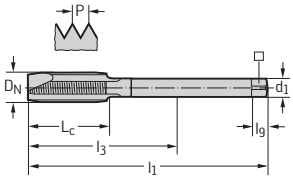
– For long-chipping materials

M DIN 13 | 6HX

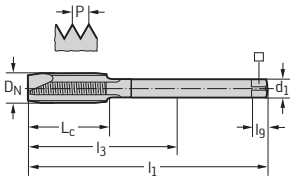


	P	M	K	N	S	H	O
THL EP2026302	●●	●●	●●	●●			
TIN EP2026305	●●	●●	●●	●●			

DIN 376



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2026302-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026302-M14	M 14	2	110	25	81	11	9	12	4
EP2026302-M16	M 16	2	110	25	68	12	9	12	4
EP2026302-M18	M 18	2,5	125	30	81	14	11	14	4
EP2026302-M20	M 20	2,5	140	30	95	16	12	15	4
EP2026302-M24	M 24	3	160	36	113	18	14,5	17	4
EP2026302-M27	M 27	3	160	36	97	20	16	19	4
EP2026302-M30	M 30	3,5	180	42	115	22	18	21	4



EP2026305-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026305-M14	M 14	2	110	25	81	11	9	12	4
EP2026305-M16	M 16	2	110	25	68	12	9	12	4
EP2026305-M18	M 18	2,5	125	30	81	14	11	14	4
EP2026305-M20	M 20	2,5	140	30	95	16	12	15	4
EP2026305-M24	M 24	3	160	36	113	18	14,5	17	4

HSS-E PM machine taps

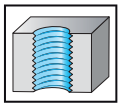
mm

Prototex® Eco Plus

– For long-chipping materials

M
DIN 13

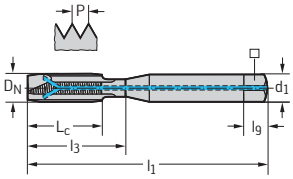
6HX

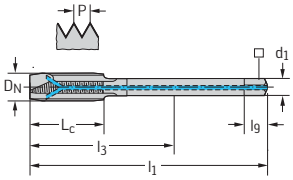


≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2021342-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021342-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021342-M10	M 10	1,5	100	20	39	10	8	11	3
EP2026342-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026342-M16	M 16	2	110	25	68	12	9	12	4

B 4

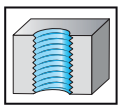
HSS-E PM machine taps

mm

Prototex® Eco Plus

– For long-chipping materials

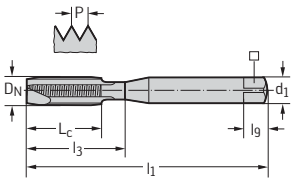
M DIN 13 | 6HX

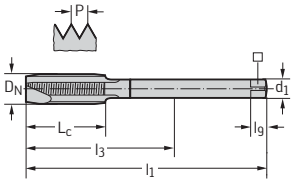


≤ 3,5×D_N | B=3,5-5 | LH | 42HRC 1350 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2021382-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2021382-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2021382-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2021382-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021382-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021382-M10	M 10	1,5	100	20	39	10	8	11	3
EP2026382-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026382-M16	M 16	2	110	25	68	12	9	12	4
EP2026382-M20	M 20	2,5	140	30	95	16	12	15	4

B 4

HSS-E PM machine taps

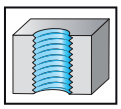
mm

Prototex® Eco Plus

≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 ~500 N/mm²

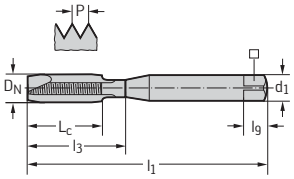
– For long-chipping materials

M DIN 13 | 6GX

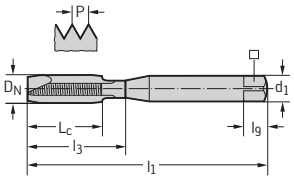


	P	M	K	N	S	H	O
THL EP2023302	●●	●●	●●	●●			
TIN EP2023305	●●	●●	●●	●●			

DIN 371



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2023302-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2023302-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2023302-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2023302-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2023302-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2023302-M6	M 6	1	80	15	30	6	4,9	8	3
EP2023302-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2023302-M10	M 10	1,5	100	20	39	10	8	11	3



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2023305-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2023305-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2023305-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2023305-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2023305-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2023305-M6	M 6	1	80	15	30	6	4,9	8	3
EP2023305-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2023305-M10	M 10	1,5	100	20	39	10	8	11	3

HSS-E PM machine taps

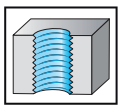
mm

Prototex® Eco Plus

≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 –500 N/mm²

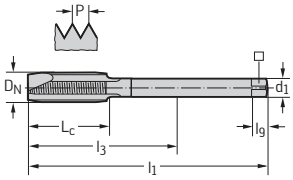
– For long-chipping materials

M DIN 13 | 6GX

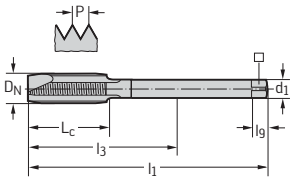


	P	M	K	N	S	H	O
THL EP2028302		●●	●●	●●			
TIN EP2028305	●●	●●	●●	●●			

DIN 376



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2028302-M12	M 12	1,75	110	23	83	9	7	10	4
EP2028302-M14	M 14	2	110	25	81	11	9	12	4
EP2028302-M16	M 16	2	110	25	68	12	9	12	4



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2028305-M12	M 12	1,75	110	23	83	9	7	10	4
EP2028305-M14	M 14	2	110	25	81	11	9	12	4
EP2028305-M16	M 16	2	110	25	68	12	9	12	4

HSS-E PM machine taps

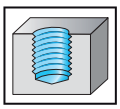
mm

Paradur® Eco Plus

≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 ~500 N/mm²

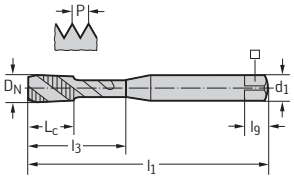
– For long-chipping materials

M
DIN 13

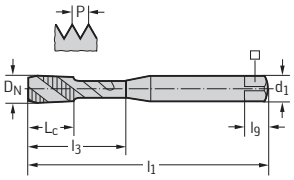


	P	M	K	N	S	H	O
THL EP2051302	●●	●●	●●	●●			
TIN EP2051305	●●	●●	●●	●●			

~DIN 371



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2051302-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2051302-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2051302-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2051302-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051302-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051302-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051302-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051302-M10	M 10	1,5	100	15	39	10	8	11	3



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2051305-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2051305-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2051305-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2051305-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051305-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051305-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051305-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051305-M10	M 10	1,5	100	15	39	10	8	11	3

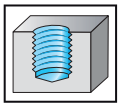
HSS-E PM machine taps

mm

Paradur® Eco Plus


– For long-chipping materials

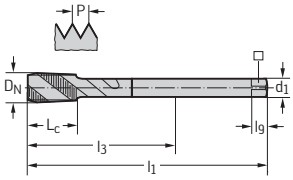
M
DIN 13



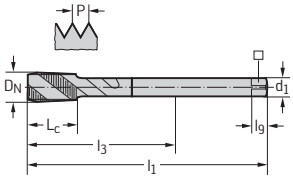
≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL EP2056302	●●	●●	●●	●●			
TIN EP2056305	●●	●●	●●	●●			

DIN 376



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2056302-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056302-M14	M 14	2	110	20	81	11	9	12	4
EP2056302-M16	M 16	2	110	20	68	12	9	12	4
EP2056302-M18	M 18	2,5	125	25	81	14	11	14	4
EP2056302-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056302-M24	M 24	3	160	30	113	18	14,5	17	4
EP2056302-M27	M 27	3	160	30	97	20	16	19	4
EP2056302-M30	M 30	3,5	180	35	115	22	18	21	4
EP2056302-M36	M 36	4	200	40	131	28	22	25	4
EP2056302-M42	M 42	4,5	200	45	102	32	24	27	5
EP2056302-M48	M 48	5	250	50	147	36	29	32	5
EP2056302-M56	M 56	5,5	250	55	120	40	32	35	5
EP2056302-M64	M 64	6	315	60	178	50	39	42	6



EP2056305-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056305-M14	M 14	2	110	20	81	11	9	12	4
EP2056305-M16	M 16	2	110	20	68	12	9	12	4
EP2056305-M18	M 18	2,5	125	25	81	14	11	14	4
EP2056305-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056305-M24	M 24	3	160	30	113	18	14,5	17	4

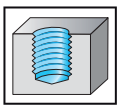
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

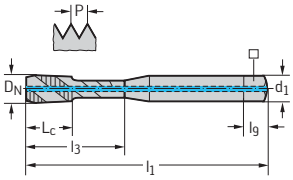
M
DIN 13

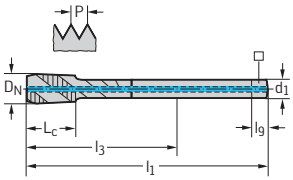


≤ 3×DN | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2051312-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051312-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051312-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051312-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051312-M10	M 10	1,5	100	15	39	10	8	11	3
EP2056312-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056312-M16	M 16	2	110	20	68	12	9	12	4
EP2056312-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056312-M24	M 24	3	160	30	113	18	14,5	17	4

B 4

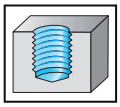
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

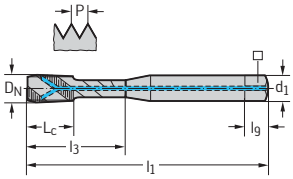
M
DIN 13

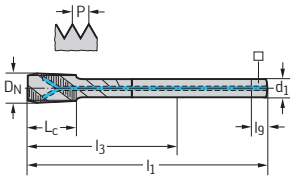


≤ 3×DN | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2051342-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051342-M10	M 10	1,5	100	15	39	10	8	11	3
EP2056342-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056342-M16	M 16	2	110	20	68	12	9	12	4

B 4

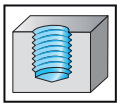
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

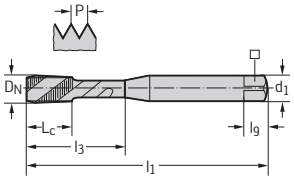
M
DIN 13

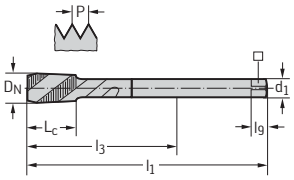


≤ 3×DN | C=2-3 | LH | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2051382-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2051382-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051382-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051382-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051382-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051382-M10	M 10	1,5	100	15	39	10	8	11	3
EP2056382-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056382-M14	M 14	2	110	20	81	11	9	12	4
EP2056382-M16	M 16	2	110	20	68	12	9	12	4
EP2056382-M18	M 18	2,5	125	25	81	14	11	14	4
EP2056382-M20	M 20	2,5	140	25	95	16	12	15	4

B 4

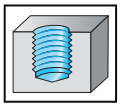
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

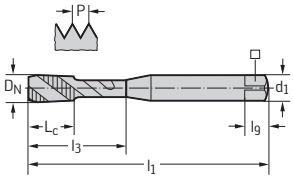
M
DIN 13

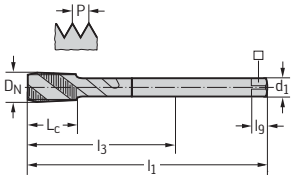


≤ 3×D_N | E=1,5-2 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2051362-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051362-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051362-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051362-M8	M 8	1,25	90	12	35	8	6,2	9	4
EP2051362-M10	M 10	1,5	100	15	39	10	8	11	4
EP2056362-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056362-M16	M 16	2	110	20	68	12	9	12	4
EP2056362-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056362-M24	M 24	3	160	30	113	18	14,5	17	5

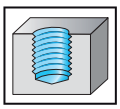
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

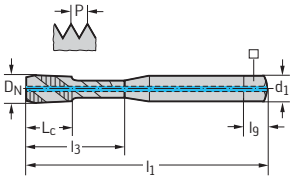
M
DIN 13

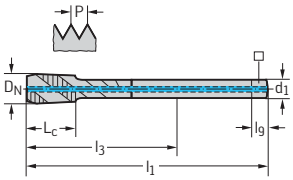


≤ 3×DN | E=1,5-2 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2051352-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051352-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051352-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051352-M8	M 8	1,25	90	12	35	8	6,2	9	4
EP2051352-M10	M 10	1,5	100	15	39	10	8	11	4
EP2056352-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056352-M16	M 16	2	110	20	68	12	9	12	4
EP2056352-M20	M 20	2,5	140	25	95	16	12	15	4

B 4

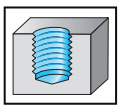
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

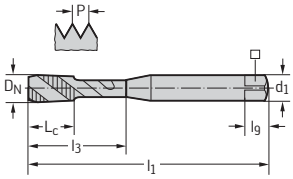
M
DIN 13

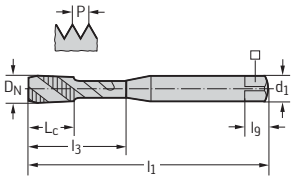


≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL EP2053302	●●	●●	●●	●●			
TIN EP2053305	●●	●●	●●	●●			

~DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2053302-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2053302-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2053302-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2053302-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2053302-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2053302-M6	M 6	1	80	10	25	6	4,9	8	3
EP2053302-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2053302-M10	M 10	1,5	100	15	39	10	8	11	3
EP2053305-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2053305-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2053305-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2053305-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2053305-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2053305-M6	M 6	1	80	10	25	6	4,9	8	3
EP2053305-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2053305-M10	M 10	1,5	100	15	39	10	8	11	3

≤ M 2.5: Without thread taper

HSS-E PM machine taps

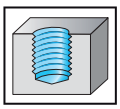
mm

Paradur® Eco Plus


≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 ~500 N/mm²

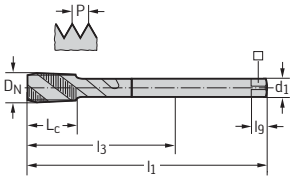
– For long-chipping materials

M
DIN 13

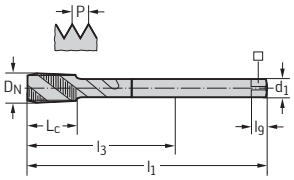


	P	M	K	N	S	H	O
THL EP2058302	●●	●●	●●	●●			
TIN EP2058305	●●	●●	●●	●●			

DIN 376



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2058302-M12	M 12	1,75	110	16	83	9	7	10	4
EP2058302-M14	M 14	2	110	20	81	11	9	12	4
EP2058302-M16	M 16	2	110	20	68	12	9	12	4



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2058305-M12	M 12	1,75	110	16	83	9	7	10	4
EP2058305-M14	M 14	2	110	20	81	11	9	12	4
EP2058305-M16	M 16	2	110	20	68	12	9	12	4

B 4

HSS-E PM machine taps

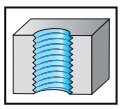
mm

Prototex® Eco Plus

– For long-chipping materials

MF
DIN 13

6HX



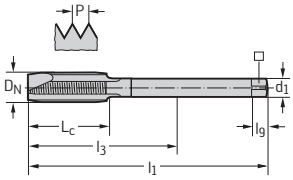
≤ 3,5×DN

B=3,5-5

42HRC
1350
–500
N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2126302-M6X0.75	MF 6x0.75	0,75	80	15	59	4,5	3,4	6	3
EP2126302-M8X1	MF 8x1	1	90	18	67	6	4,9	8	3
EP2126302-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
EP2126302-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
EP2126302-M12X1	MF 12x1	1	100	21	73	9	7	10	4
EP2126302-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
EP2126302-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
EP2126302-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
EP2126302-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
EP2126302-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
EP2126302-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
EP2126302-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4

HSS-E PM machine taps

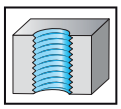
mm

Prototex® Eco Plus

– For long-chipping materials

MF
DIN 13

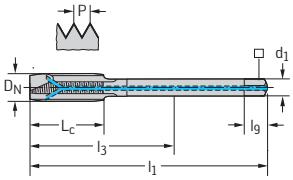
6HX



≤ 3,5×DN | B=3,5-5 | 42HRC 1350 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2126342-M8X1	MF 8x1	1	90	18	67	6	4,9	5	3
EP2126342-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
EP2126342-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
EP2126342-M12X1	MF 12x1	1	100	21	73	9	7	10	4
EP2126342-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
EP2126342-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
EP2126342-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
EP2126342-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
EP2126342-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
EP2126342-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	12	4

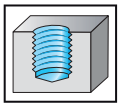
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

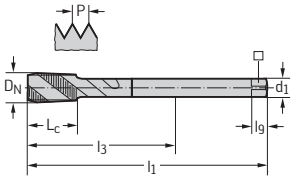
MF
DIN 13



≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2156302-M6X0.75	MF 6x0.75	0,75	80	10	59	4,5	3,4	6	3
EP2156302-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
EP2156302-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
EP2156302-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
EP2156302-M12X1	MF 12x1	1	100	13	73	9	7	10	4
EP2156302-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
EP2156302-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
EP2156302-M14X1.25	MF 14x1.25	1,25	100	15	71	11	9	12	4
EP2156302-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
EP2156302-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
EP2156302-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
EP2156302-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4
EP2156302-M22X1.5	MF 22x1.5	1,5	125	18	78	18	14,5	17	4

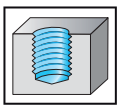
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

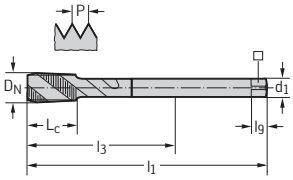
MF
DIN 13



≤ 3×DN | E=1,5-2 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2156362-M8X1	MF 8x1	1	90	12	67	6	4,9	8	4
EP2156362-M10X1	MF 10x1	1	90	12	67	7	5,5	8	4
EP2156362-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
EP2156362-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4

B 4

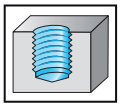
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

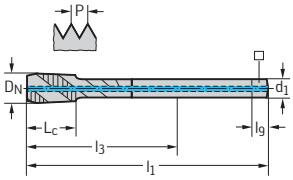
MF
DIN 13



≤ 3×DN | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2156312-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
EP2156312-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
EP2156312-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
EP2156312-M12X1	MF 12x1	1	100	13	73	9	7	10	4
EP2156312-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
EP2156312-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
EP2156312-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
EP2156312-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
EP2156312-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
EP2156312-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4

HSS-E PM machine taps

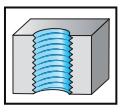
mm

Prototex® Eco Plus

– For long-chipping materials

UNC
ASME B1.1

2B



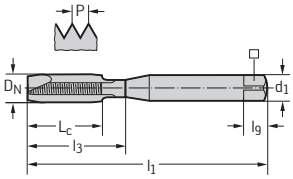
≤ 3,5×D_N

B=3,5-5

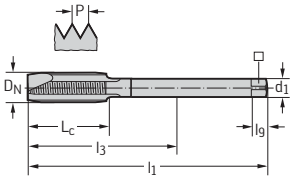
42HRC
1350
–500
N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 2184-1



Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2221302-UNC2	UNC #2-56	2,184	45	7	12	2,8	2,1	5	3
EP2221302-UNC4	UNC #4-40	2,845	56	9	18	3,5	2,7	6	3
EP2221302-UNC6	UNC #6-32	3,505	56	11	20	4	3	6	3
EP2221302-UNC8	UNC #8-32	4,166	63	12	21	4,5	3,4	6	3
EP2221302-UNC10	UNC #10-24	4,826	70	13	25	6	4,9	8	3
EP2221302-UNC1/4	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3



Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2226302-UNC5/16	UNC 5/16-18	7,938	90	18	67	6	4,9	8	3
EP2226302-UNC3/8	UNC 3/8-16	9,525	100	20	77	7	5,5	8	3
EP2226302-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4
EP2226302-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	4

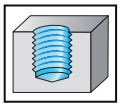
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

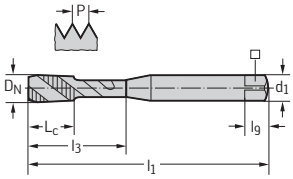
UNC
ASME B1.1



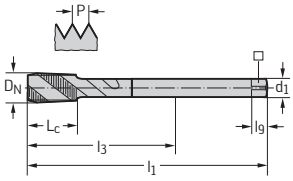
≤ 3×DN | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1



Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2251302-UNC2	UNC #2-56	2,184	45	4	8,4	2,8	2,1	5	3
EP2251302-UNC4	UNC #4-40	2,845	56	6	11	3,5	2,7	6	3
EP2251302-UNC6	UNC #6-32	3,505	56	6,5	13,7	4	3	6	3
EP2251302-UNC8	UNC #8-32	4,166	63	7	17,8	4,5	3,4	6	3
EP2251302-UNC10	UNC #10-24	4,826	70	8	20,7	6	4,9	8	3
EP2251302-UNC1/4	UNC 1/4-20	6,35	80	10	27,3	7	5,5	8	3



Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2256302-UNC5/16	UNC 5/16-18	7,938	90	12	67	6	4,9	8	3
EP2256302-UNC3/8	UNC 3/8-16	9,525	100	15	77	7	5,5	8	3
EP2256302-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	4
EP2256302-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	4

UNC 2: Without thread taper

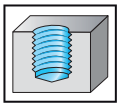
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

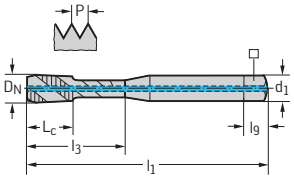
UNC
ASME B1.1

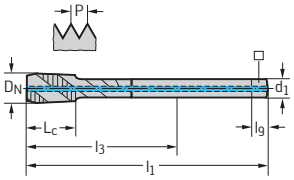


≤ 3×DN | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1





Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2251312-UNC1/4	UNC 1/4-20	6,35	80	10	27,3	7	5,5	8	3
EP2256312-UNC5/16	UNC 5/16-18	7,938	90	12	67	6	4,9	8	3
EP2256312-UNC3/8	UNC 3/8-16	9,525	100	15	77	7	5,5	8	3
EP2256312-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	4
EP2256312-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	4
EP2256312-UNC3/4	UNC 3/4-10	19,05	125	25	81	14	11	14	4

B 4

HSS-E PM machine taps

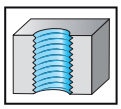
mm

Prototex® Eco Plus

– For long-chipping materials

UNF
ASME B1.1

2B



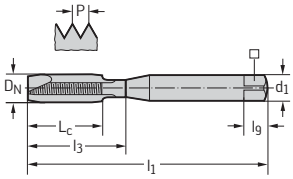
≤ 3,5×DN

B=3,5-5

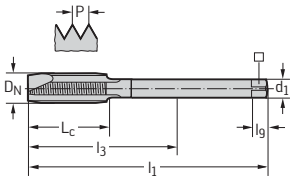
42HRC
1350
–500
N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 2184-1



Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2321302-UNF4	UNF #4-48	2,845	56	9	18	3,5	2,7	6	3
EP2321302-UNF6	UNF #6-40	3,505	56	11	20	4	3	6	3
EP2321302-UNF8	UNF #8-36	4,166	63	12	21	4,5	3,4	6	3
EP2321302-UNF10	UNF #10-32	4,826	70	13	25	6	4,9	8	3
EP2321302-UNF1/4	UNF 1/4-28	6,35	80	15	30	7	5,5	8	3



Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2326302-UNF5/16	UNF 5/16-24	7,938	90	18	67	6	4,9	8	3
EP2326302-UNF3/8	UNF 3/8-24	9,525	100	20	77	7	5,5	8	3
EP2326302-UNF1/2	UNF 1/2-20	12,7	100	21	73	9	7	10	4
EP2326302-UNF5/8	UNF 5/8-18	15,875	100	21	58	12	9	12	4

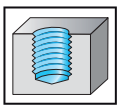
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

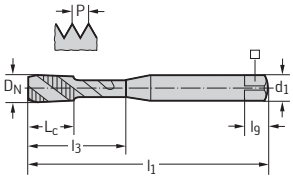
UNF
ASME B1.1

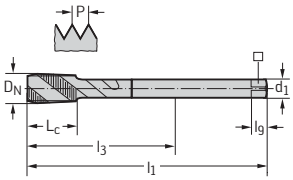


≤ 3×DN | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1





Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2351302-UNF4	UNF #4-48	2,845	56	6	11	3,5	2,7	6	3
EP2351302-UNF6	UNF #6-40	3,505	56	6,5	13,1	4	3	6	3
EP2351302-UNF8	UNF #8-36	4,166	63	7	17,4	4,5	3,4	6	3
EP2351302-UNF10	UNF #10-32	4,826	70	8	20,7	6	4,9	8	3
EP2351302-UNF1/4	UNF 1/4-28	6,35	80	10	25,9	7	5,5	8	3
EP2356302-UNF5/16	UNF 5/16-24	7,938	90	12	67	6	4,9	8	3
EP2356302-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
EP2356302-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	4
EP2356302-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4

B 4

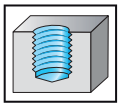
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

UNF
ASME B1.1



≤ 3×DN | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1

Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2351312-UNF1/4	UNF 1/4-28	6,35	80	10	25,9	7	5,5	8	3
EP2356312-UNF5/16	UNF 5/16-24	7,938	90	12	67	6	4,9	8	3
EP2356312-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
EP2356312-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	4
EP2356312-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4

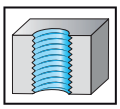
HSS-E PM machine taps

mm

Prototex® Eco Plus

– For long-chipping materials

G (BSP)
DIN EN ISO 228



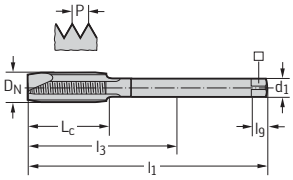
≤ 3,5×DN

B=3,5-5

42HRC
1350
–500
N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 5156



Designation	D_N-P	D_N mm		l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2426302-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	3
EP2426302-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	4
EP2426302-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	4
EP2426302-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	4
EP2426302-G5/8	G 5/8-14	22,911	14	125	24	78	18	14,5	17	4
EP2426302-G3/4	G 3/4-14	26,441	14	140	26	77	20	16	19	5
EP2426302-G1	G 1"-11	33,249	11	160	28	93	25	20	23	5

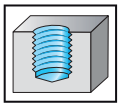
HSS-E PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

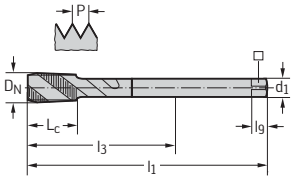
G (BSP)
DIN EN ISO 228



≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

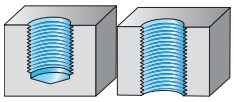
	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 5156

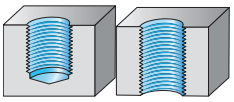


Designation	D_N-P	D_N mm		l_1 mm	L_c mm	l_3 mm	d_1 h9	□	l_9 mm	N
EP2456302-G1/8	G 1/8-28	9,728	28	90	12	67	7	5,5	8	3
EP2456302-G1/4	G 1/4-19	13,157	19	100	15	71	11	9	12	4
EP2456302-G3/8	G 3/8-19	16,662	19	100	15	58	12	9	12	4
EP2456302-G1/2	G 1/2-14	20,955	14	125	18	80	16	12	15	4
EP2456302-G5/8	G 5/8-14	22,911	14	125	18	78	18	14,5	17	4
EP2456302-G3/4	G 3/4-14	26,441	14	140	20	77	20	16	19	5
EP2456302-G1	G 1"-11	33,249	11	160	22	93	25	20	23	5

Thread forming

Machining					
Thread depth	2 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N
					
Designation	Protodyn® Eco LM	Protodyn® C	TC410 Advance	TC420 Supreme	TC430 Supreme
Thread type					
M	✔	✔	✔	✔	✔
MF					
UNC / UNF / UN-8					
G / Rc / Rp					
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Thread insert					
Tolerance	6HX	6GX / 6HX	6GX / 6HX / 7GX	6GX / 6HX	6HX
Coolant supply	External	External	External	External	External
Chamfer form	C	C	C / D	C	C
Coating / grade	CRN	NID	WY80AD	WW60AD / WW60BA	WW60EL
Cutting tool material	HSS-E	HSS-E	HSS-E	HSS-E-PM	HSS-E-PM
P Steel	●	●	●●	●●	●●
M Stainless steel			●●	●	●
K Cast iron			●	●	●
N NF metals	●●		●●	●●	●
S Materials with difficult cutting properties	●●		●	●	
H Hard materials					
O Other					
Page in catalogue					
QR code					
www.walter-tools.com/woc/	protodyn-eco-lm	protodyn-c	TC410	TC420	TC430

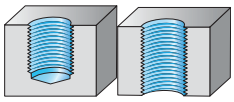
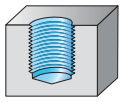
B5



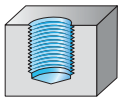
	3 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N
							
	TC470 Supreme	Protodyn® S Eco Inox	Protodyn® S Synchrospeed	Protodyn® SC	Protodyn® SF	TC410 Advance	TC420 Supreme
	✔	✔	✔	✔	✔	✔	✔
			✔		✔	✔	✔
						✔	✔
					✔	✔	
	6HX	6HX	6HX	6GX / 6HX	6HX / NORMAL	2BX / 6GX / 6HX /	2BX / 6GX / 6HX
	External	External	External / axial	External	External	External	External / axial
	C	C	C	C	C	C	C
	WG20EL	TIN	TICN / TIN	NID	TICN	WY80AD	WW60AD / WW60BA
	Carbide	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E-PM
	●●	●	●●	●	●●	●●	●●
		●●	●●		●●	●●	●●
	●					●	●
	●	●	●●	●	●●	●●	●●
		●	●		●	●	●
	TC470	protodyn-s-eco-inox	protodyn-s-	protodyn-sc	protodyn-sf	TC410	TC420

B 5

Thread forming

Machining					
Thread depth	3,5 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N
		NEW			
					
Designation	TC430 Supreme	TC440 Supreme	TC470 Supreme	TC410 Advance	TC420 Supreme
Thread type					
M	✔	✔	✔		✔
MF	✔	✔	✔	✔	✔
UNC / UNF / UN-8					
G / Rc / Rp					
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Thread insert					
Tolerance	6GX / 6HX	6HX	6HX	6GX	6GX / 6HX
Coolant supply	External / axial	External / axial	External / axial	External	External / axial
Chamfer form	C	C	C	E	C / E
Coating / grade	WW60AD / WW60EL	WY80AD	WG20EL	WY80AD	WW60AD / WW60BA
Cutting tool material	HSS-E-PM	HSS-E	Carbide	HSS-E	HSS-E-PM
P Steel	●●	●	●●	●●	●●
M Stainless steel	●	●●		●	●●
K Cast iron	●		●	●	●
N NF metals	●	●	●	●●	●●
S Materials with difficult cutting properties		●		●	●
H Hard materials					
O Other					
Page in catalogue					
QR code					
www.walter-tools.com/woc/	TC430	TC440	TC470	TC410	TC420

B5



	3,5 x D_N	3,5 x D_N	3,5 x D_N
			
	TC430 Supreme	TC440 Supreme	TC470 Supreme
	✔	✔	✔
	✔		✔
	6HX	6HX	6HX
	axial	axial	axial
	C	C	C / E
	WW60AD / WW60EL	WY80AD	WG20EL
	HSS-E-PM	HSS-E	Carbide
	●●	●	●●
	●	●●	
	●		●
	●	●	●
		●	
	TC430	TC440	TC470

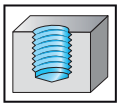
B 5

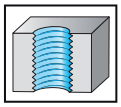
HSS-E machine thread formers

TC440 Supreme mm

– For long-chipping materials
– For stainless steels when using emulsion

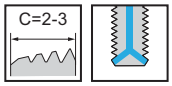
MF
DIN 13





≤ 3,5×D_N

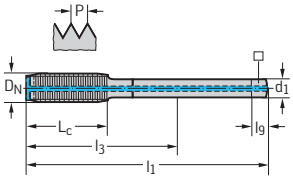
C=2-3



32HRC
1000
–200
N/mm²

	P	M	K	N	S	H	O
WY80AD	●	●●		●	●		

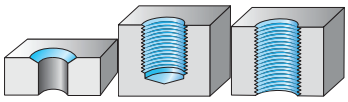
DIN 2174



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N	WY80AD
TC440-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	5	●
TC440-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	5	●
TC440-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	5	●
TC440-M14X1.5-L2-	MF 14x1.5	1,5	100	15	58	11	9	12	6	●
TC440-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	6	●
★ TC440-M18X1.5-L2-	MF 18x1.5	1,5	110	17	66	14	11	14	6	●

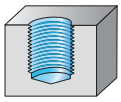
B5

Thread milling

Machining			
Thread depth	2 x D_N	2,5 x D_N	
			
Designation	TC685 Supreme	TC685 Supreme	TMD
Thread type			
M	✔	✔	✔
MF	✔	✔	
UNC / UNF / UN-8			
G / Rc / Rp			
MJ / UNJC / UNJF	✔	✔	
NPT / NPTF			
Pg / BSW / Tr			
Thread insert			
Tolerance			
Coolant supply	External / axial	External / axial	axial
Chamfer form			
Coating / grade	WB10RC	WB10RC	NHC / TAX
Cutting tool material	Carbide	Carbide	Carbide
P Steel	●	●	
M Stainless steel			
K Cast iron	●	●	●●
N NF metals			●●
S Materials with difficult cutting properties	●	●	
H Hard materials	●●	●●	
O Other			
Page in catalogue			
QR code			
www.walter-tools.com/woc/	TC685	TC685	tmd

B 6

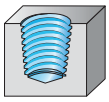
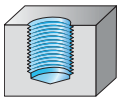
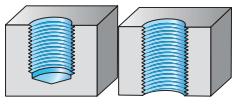
Thread milling

Machining	
Thread depth	2 x D_N

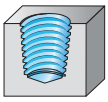
Designation	TMC
Thread type	
M	✔
MF	✔
UNC / UNF / UN-8	
G / Rc / Rp	
MJ / UNJC / UNJF	
NPT / NPTF	
Pg / BSW / Tr	
Thread insert	
Tolerance	
Coolant supply	External / axial
Chamfer form	
Coating / grade	TICN
Cutting tool material	Carbide
P Steel	●●
M Stainless steel	●●
K Cast iron	●●
N NF metals	●●
S Materials with difficult cutting properties	●●
H Hard materials	
O Other	●
Page in catalogue	
QR code	
www.walter-tools.com/woc/	tmc

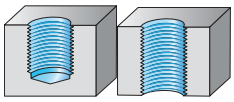
B 6

Thread milling

Machining						
Thread depth	99 x D_N					
						
Designation	TMG	TC610 Supreme	TC611 Supreme	TC620 Supreme	TME	
Thread type						
M		✔	✔	✔	✔	
MF		✔	✔	✔	✔	
UNC / UNF / UN-8						
G / Rc / Rp						
MJ / UNJC / UNJF		✔	✔	✔		
NPT / NPTF						
Pg / BSW / Tr						
Thread insert						
Tolerance						
Coolant supply	External	External / axial	External / axial	axial	External	
Chamfer form						
Coating / grade	TICN	WB10RD / WJ30RC	WB10RD / WJ30RC	WB10TJ	TICN	
Cutting tool material	Carbide	Carbide	Carbide	Carbide	Carbide	
P Steel	●●	●●	●●	●●	●●	
M Stainless steel	●●	●●	●●	●●	●●	
K Cast iron	●●	●●	●●	●●	●●	
N NF metals	●●	●●	●●	●●	●●	
S Materials with difficult cutting properties	●●	●●	●●	●●	●●	
H Hard materials						
O Other	●	●	●	●	●	
Page in catalogue						
QR code						
www.walter-tools.com/woc/	tmg	TC610	TC611	TC620	tme	

B 6

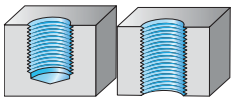




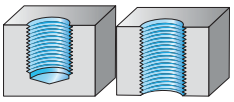
	TMG	TMG HRC	TMG Ni
		✔	
		✔	
	External	External	External / axial
	TICN	TAX	TICN
	Carbide	Carbide	Carbide
	●●	●●	●●
	●●		●●
	●●	●●	
	●●		●
	●●	●	●●
		●●	
	●	●	●
	tmg	tmg-hrc	tmg-ni

B 6

Thread milling

Machining					
Thread depth	2 x D_N	2 x D_N	2 x D_N	2,5 x D_N	3 x D_N
	NEW			NEW	NEW
					
Designation	TC630 Supreme	TMO	TMO HRC	TC630 Supreme	TC630 Supreme
Thread type					
M	✔	✔	✔	✔	✔
MF	✔	✔	✔	✔	✔
UNC / UNF / UN-8					
G / Rc / Rp					
MJ / UNJC / UNJF	✔	✔			✔
NPT / NPTF					
Pg / BSW / Tr					
Thread insert					
Tolerance					
Coolant supply	External / axial	External / axial	External	External	External / axial
Chamfer form					
Coating / grade	WB10RA / WB10TJ	TICN	TAX	WB10TJ	WB10TJ
Cutting tool material	Carbide	Carbide	Carbide	Carbide	Carbide
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●		●●	●●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●		●●	●●
S Materials with difficult cutting properties	●●	●●	●	●●	●●
H Hard materials			●●		
O Other	●	●	●	●	●
Page in catalogue	290			294	291
QR code					
www.walter-tools.com/woc/	TC630	tmo	tmo-hrc	TC630	TC630

B 6



	3 x D_N	4 x D_N
		NEW
		
	TMO	TC630 Supreme
	✔	✔
	✔	✔
	✔	
	External / axial	axial
	TICN	WB10TJ
	Carbide	Carbide
	●●	●●
	●●	●●
	●●	●●
	●●	●●
	●●	●●
	●	●
		293
	tmo	TC630

B 6

Designation key
for solid carbide thread milling cutters

Example:

T	C	6	30	–	M10	–	A	5	F	–	W	B	10	TJ
1	2	3	4	5	6		7	8	9		Grade			

1	2	3	4
Tool group	**Generation**	**Tool type**	**Tool type**
T Threading		6 Solid carbide thread milling cutters	10 Universal, 1.5 × D_N 11 Universal, 2.0 × D_N 20 Universal, multiple-row 30 Universal, orbital thread milling cutter 85 ISO H, orbital drill thread milling cutter

5	6	7	8	9
1. Delimiters	**Thread dimensions**	**Shank type**	**Cooling/geometry**	**Thread depth/ useable length**
– Metric		A Cylindrical shank W Weldon shank	0 External coolant 1 Axial internal coolant 5 Walter DeVibe, axial internal coolant	D 2.0 × D_N E 2.5 × D_N F 3.0 × D_N H 4.0 × D_N

Grade designation key
for solid carbide and HSS cutting tool materials

Example:

W	B	10	TJ
Walter	1	2	3

1	2	3
Substrate	**Application range**	**Coating**
Solid carbide: B, J HSS	05, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95 Wear resistance Toughness	RA TiAlN + TiAl RC TiAlN RD TiAlN (+ ZrN) TJ AlTiN

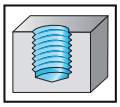
B 6

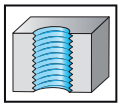
Solid carbide orbital thread mills

TC630 Supreme mm

– Universal orbital thread milling cutters

M-MF
DIN 13



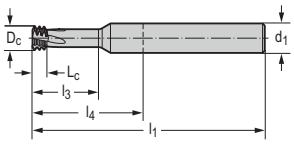


≤ 2×D_N

48HRC

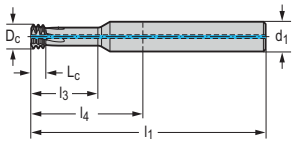
	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M1.6-A0D-	M 1.6	0,35	1,2	0,7	3,73	38	10	3	4	✖
★ TC630-M1.8-A0D-	M 1.8	0,35	1,35	0,7	3,78	38	10	3	4	✖
★ TC630-M2-A0D-	M 2	0,4	1,55	1,2	4,6	57	21	6	4	✖
★ TC630-M2.2-A0D-	M 2.2	0,45	1,65	1,35	4,63	57	21	6	4	✖
★ TC630-M2.5-A0D-	M 2.5	0,45	1,95	1,35	5,68	57	21	6	4	✖
★ TC630-M3-A0D-	M 3	0,5	2,3	1,5	6,75	57	21	6	4	✖
★ TC630-M3.5-A0D-	M 3.5	0,6	2,7	1,8	7,3	57	21	6	4	✖
★ TC630-M4-A0D-	M 4	0,7	3,1	2,1	9,05	57	21	6	4	✖
★ TC630-M4.5-A0D-	M 4.5	0,75	3,5	2,25	9,38	57	21	6	4	✖
★ TC630-M5-A0D-	M 5	0,8	4	2,4	11,2	57	21	6	4	✖
★ TC630-M6-A0D-	M 6	1	4,8	3	13,5	57	21	6	4	✖
★ TC630-M8-A0D-	M 8	1,25	6,4	3,75	17,9	63	27	8	4	✖
★ TC630-M10-A0D-	M 10	1,5	8,2	4,5	22,3	72	32	10	5	✖
★ TC630-M12-A0D-	M12	1,75	9,75	5,25	26,7	72	32	10	5	✖



DIN 6535 HA

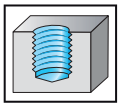
★ TC630-M5-A1D-	M 5	0,8	4	2,4	11,2	57	21	6	4	✖
★ TC630-M6-A1D-	M 6	1	4,8	3	13,5	57	21	6	4	✖
★ TC630-M8-A1D-	M 8	1,25	6,4	3,75	17,9	63	27	8	4	✖
★ TC630-M10-A1D-	M 10	1,5	8,2	4,5	22,3	72	32	10	5	✖
★ TC630-M12-A1D-	M 12	1,75	9,75	5,25	26,7	72	32	10	5	✖

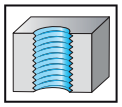
Solid carbide orbital thread mills

TC630 Supreme mm

– Universal orbital thread milling cutters

M-MF
DIN 13



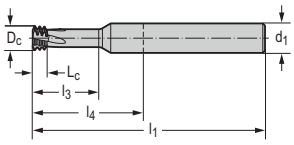


≤ 3×D_N

48HRC

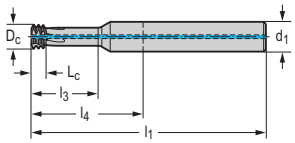
	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M1.6-A0F-	M 1.6	0,35	1,2	0,7	5,33	38	10	3	4	✖
★ TC630-M1.8-A0F-	M 1.8	0,35	1,35	0,7	5,58	38	10	3	4	✖
★ TC630-M2-A0F-	M 2	0,4	1,55	1,2	6,6	57	21	6	4	✖
★ TC630-M2.2-A0F-	M 2.2	0,45	1,65	1,35	6,83	57	21	6	4	✖
★ TC630-M2.5-A0F-	M 2.5	0,45	1,95	1,35	8,18	57	21	6	4	✖
★ TC630-M3-A0F-	M 3	0,5	2,3	1,5	9,75	57	21	6	4	✖
★ TC630-M3.5-A0F-	M 3.5	0,6	2,7	1,8	10,8	57	21	6	4	✖
★ TC630-M4-A0F-	M 4	0,7	3,1	2,1	13,05	57	21	6	4	✖
★ TC630-M4.5-A0F-	M 4.5	0,75	3,5	2,25	13,88	57	21	6	4	✖
★ TC630-M5-A0F-	M 5	0,8	4	2,4	16,2	57	21	6	4	✖
★ TC630-M6-A0F-	M 6	1	4,8	3	19,5	57	22	6	4	✖
★ TC630-M8-A0F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	✖



DIN 6535 HA

Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M5-A1F-	M 5	0,8	4	2,4	16,2	57	21	6	4	✖
★ TC630-M6-A1F-	M 6	1	4,8	3	19,5	57	22	6	4	✖
★ TC630-M8-A1F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	✖

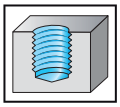
B 6

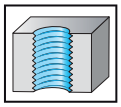
Solid carbide orbital thread mills

TC630 Supreme mm

– Universal orbital thread milling cutters
– Best running smoothness due to Walter DeVibe technology

M-MF
DIN 13

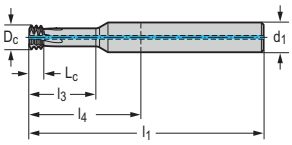




≤ 3×D_N | 15° | 48HRC | DeVibe

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M8-A5F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	✖
★ TC630-M10-A5F-	M 10	1,5	8,2	4,5	30,75	72	34	10	5	✖
★ TC630-M12-A5F-	M 12	1,75	9,75	5,25	36,88	80	40	10	5	✖
★ TC630-M14-A5F-	M 14	2	11,4	6	43	92	47	12	5	✖
★ TC630-M16-A5F-	M 16	2	13,3	6	49	102	54	16	6	✖
★ TC630-M18-A5F-	M 18	2,5	14,75	7,5	55,25	108	60	16	6	✖

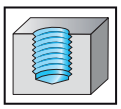
Solid carbide orbital thread mills

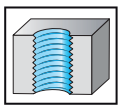
TC630 Supreme mm

– Universal orbital thread milling cutters
– Best running smoothness due to Walter DeVibe technology

≤ 4×DN | 15° | 48HRC | DeVibe

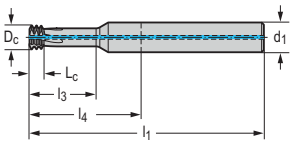
M-MF
DIN 13





	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h8 mm	Z	WB10TJ
★ TC630-M8-A5H-	M 8	1,25	6,4	3,75	32,63	72	36	8	4	✖
★ TC630-M10-A5H-	M 10	1,5	8,2	4,5	40,75	85	45	10	5	✖
★ TC630-M12-A5H-	M 12	1,75	9,75	5,25	48,88	92	52	10	5	✖
★ TC630-M16-A5H-	M 16	2	13,3	6	65	115	70	16	6	✖

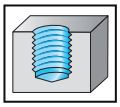
B 6

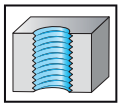
Solid carbide orbital thread mills

TC630 Supreme mm

– Universal orbital thread milling cutters

MF
DIN 13



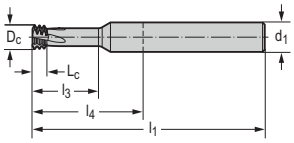


≤ 2,5×D_N

48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

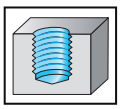
Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M5X0.5-A0E-	M 5X0.5	0,5	4,3	1,5	12,75	57	21	6	4	✖
★ TC630-M6X0.75-A0E-	M 6X0.75	0,75	5	2,25	15,38	57	21	6	4	✖
★ TC630-M10X1-A0E-	M 10X1	1	8,55	3	25,5	72	32	10	5	✖
★ TC630-M10X1.25A0E-	M 10X1.25	1,25	8,35	3,75	25,63	72	32	10	5	✖
★ TC630-M14X1-A0E-	M 14X1	1	12	3	35,5	83	38	12	5	✖
★ TC630-M14X1.5-A0E-	M 14X1.5	1,5	11,9	4,5	35,75	83	38	12	5	✖

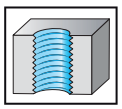
Solid carbide orbital thread mills

TC630 Supreme mm

– Universal orbital thread milling cutters

UNC
ASME B1.1





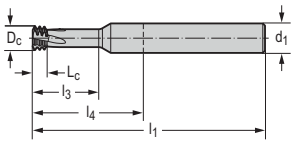
≤ 2×D_N

48HRC

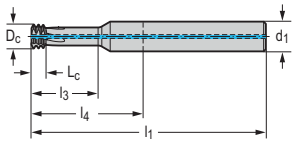
	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

Designation	D_N-P		D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNC1-A0D-	UNC #1-64	64	1,4	0,79	3,91	38	10	3	4	✖
★ TC630-UNC2-A0D-	UNC #2-56	56	1,6	1,36	4,59	57	21	6	4	✖
★ TC630-UNC4-A0D-	UNC #4-40	40	2,1	1,91	6,7	57	21	6	4	✖
★ TC630-UNC6-A0D-	UNC #6-32	32	2,6	2,38	8,3	57	21	6	4	✖
★ TC630-UNC8-A0D-	UNC #8-32	32	3,25	2,38	8,73	57	21	6	4	✖
★ TC630-UNC10-A0D-	UNC #10-24	24	3,55	3,18	11,3	57	21	6	4	✖
★ TC630-UNC1/4-A1D-	UNC 1/4-20	20	4,85	3,81	14,7	57	21	6	4	✖
★ TC630-UNC5/16-A1D-	UNC 5/16-18	18	6,2	4,23	18,1	63	27	8	4	✖



DIN 6535 HA



DIN 6535 HA

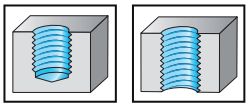
B6

Solid carbide orbital thread mills

TC630 Supreme mm

– Universal orbital thread milling cutters

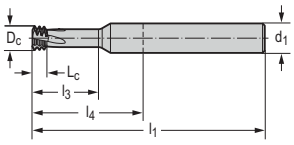
UNC
ASME B1.1



≤ 3×D_N | 15° | 48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

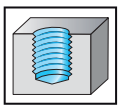
Designation	D_N-P		D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNC1-A0F-	UNC #1-64	64	1,4	0,79	5,76	38	10	3	4	✖
★ TC630-UNC2-A0F-	UNC #2-56	56	1,6	1,36	7,25	57	21	6	4	✖
★ TC630-UNC3-A0F-	UNC #3-48	48	1,85	1,59	7,81	57	21	6	4	✖
★ TC630-UNC4-A0F-	UNC #4-40	40	2,1	1,91	9,5	57	21	6	4	✖
★ TC630-UNC6-A0F-	UNC #6-32	32	2,6	2,38	11,75	57	21	6	4	✖
★ TC630-UNC8-A0F-	UNC #8-32	32	3,25	2,38	13,7	57	21	6	4	✖
★ TC630-UNC10-A0F-	UNC #10-24	24	3,55	3,18	16,1	57	21	6	4	✖
★ TC630-UNC1/4-A0F-	UNC 1/4-20	20	4,85	3,81	21	57	24	6	4	✖
★ TC630-UNC5/16-A0F-	UNC 5/16-18	18	6,2	4,23	25,95	63	29	8	4	✖

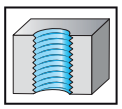
Solid carbide orbital thread mills

TC630 Supreme mm

– Universal orbital thread milling cutters
– Best running smoothness due to Walter DeVibe technology

UNC
ASME B1.1

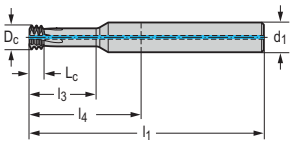




≤ 3×D_N | 15° | 48HRC | DeVibe

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

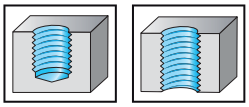
Designation	D_N-P		D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNC5/16-A5F-	UNC 5/16-18	18	6,2	4,23	25,95	63	29	8	4	✖
★ TC630-UNC3/8-A5F-	UNC 3/8-16	16	7,55	4,76	29,37	68	32	8	5	✖
★ TC630-UNC1/2-A5F-	UNC 1/2-13	13	10,25	5,86	39,08	89	44	12	5	✖
★ TC630-UNC5/8-A5F-	UNC 5/8-11	11	12,9	6,93	48,78	103	55	16	5	✖
★ TC630-UNC3/4-A5F-	UNC 3/4-10	10	15,7	7,62	58,42	110	62	16	6	✖

Solid carbide orbital thread mills

TC630 Supreme mm

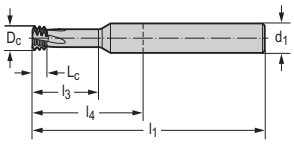
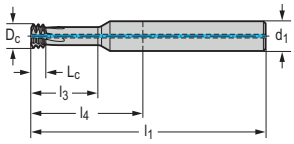
– Universal orbital thread milling cutters

UNF
ASME B1.1



≤ 2×D_N | 15° | 48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool	Designation	D_N-P		D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
 DIN 6535 HA	★ TC630-UNF10-A0D-	UNF #10-32	32	3,85	2,38	10,9	57	21	6	4	✖
 DIN 6535 HA	★ TC630-UNF1/4-A1D-	UNF 1/4-28	28	5,25	2,72	14,1	57	21	6	4	✖
	★ TC630-UNF5/16-A1D-	UNF 5/16-24	24	6,55	3,18	17,5	63	27	8	4	✖
	★ TC630-UNF3/8-A1D-	UNF 3/8-24	24	8	3,18	20,7	63	27	8	5	✖

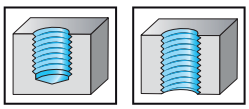
B6

Solid carbide orbital thread mills

TC630 Supreme mm

– Universal orbital thread milling cutters

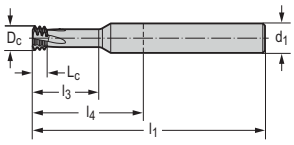
UNF
ASME B1.1



≤ 3×D_N | 15° | 48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

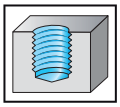
Designation	D_N-P		D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNF1-A0F-	UNF #1-72	72	1,4	0,71	5,74	38	10	3	4	✖
★ TC630-UNF5-A0F-	UNF #5-44	44	2,45	1,73	9,82	57	21	6	4	✖
★ TC630-UNF6-A0F-	UNF #6-40	40	2,75	1,91	11,5	57	21	6	4	✖
★ TC630-UNF8-A0F-	UNF #8-36	36	3,25	2,12	12,85	57	21	6	4	✖
★ TC630-UNF10-A0F-	UNF #10-32	32	3,85	2,38	15,7	57	21	6	4	✖
★ TC630-UNF1/4-A0F-	UNF 1/4-28	28	5,25	2,72	20,45	57	22	6	4	✖
★ TC630-UNF5/16-A0F-	UNF 5/16-24	24	6,55	3,18	25,4	63	28	8	4	✖

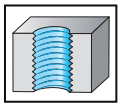
Solid carbide orbital thread mills

TC630 Supreme mm

– Universal orbital thread milling cutters
– Best running smoothness due to Walter DeVibe technology

UNF
ASME B1.1

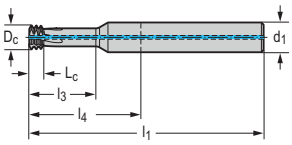




≤ 3×D_N | 15° | 48HRC | DeVibe

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

Designation	D_N-P		D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNF7/16-A5F-	UNF 7/16-20	20	9,4	3,81	33,98	77	37	10	5	✖
★ TC630-UNF9/16-A5F-	UNF 9/16-18	18	12	4,23	43,57	91	46	12	5	✖
★ TC630-UNF3/4-A5F-	UNF 3/4-16	16	16,6	4,76	57,95	110	62	18	6	✖

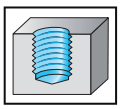
B6

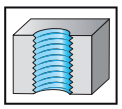
Solid carbide orbital thread mills

TC630 Supreme mm

– Specialist for aerospace industry
– Ideal for engine components

STI-UNF
NASM 33537



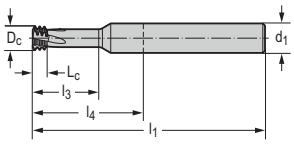


≤ 2×D_N

48HRC

	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

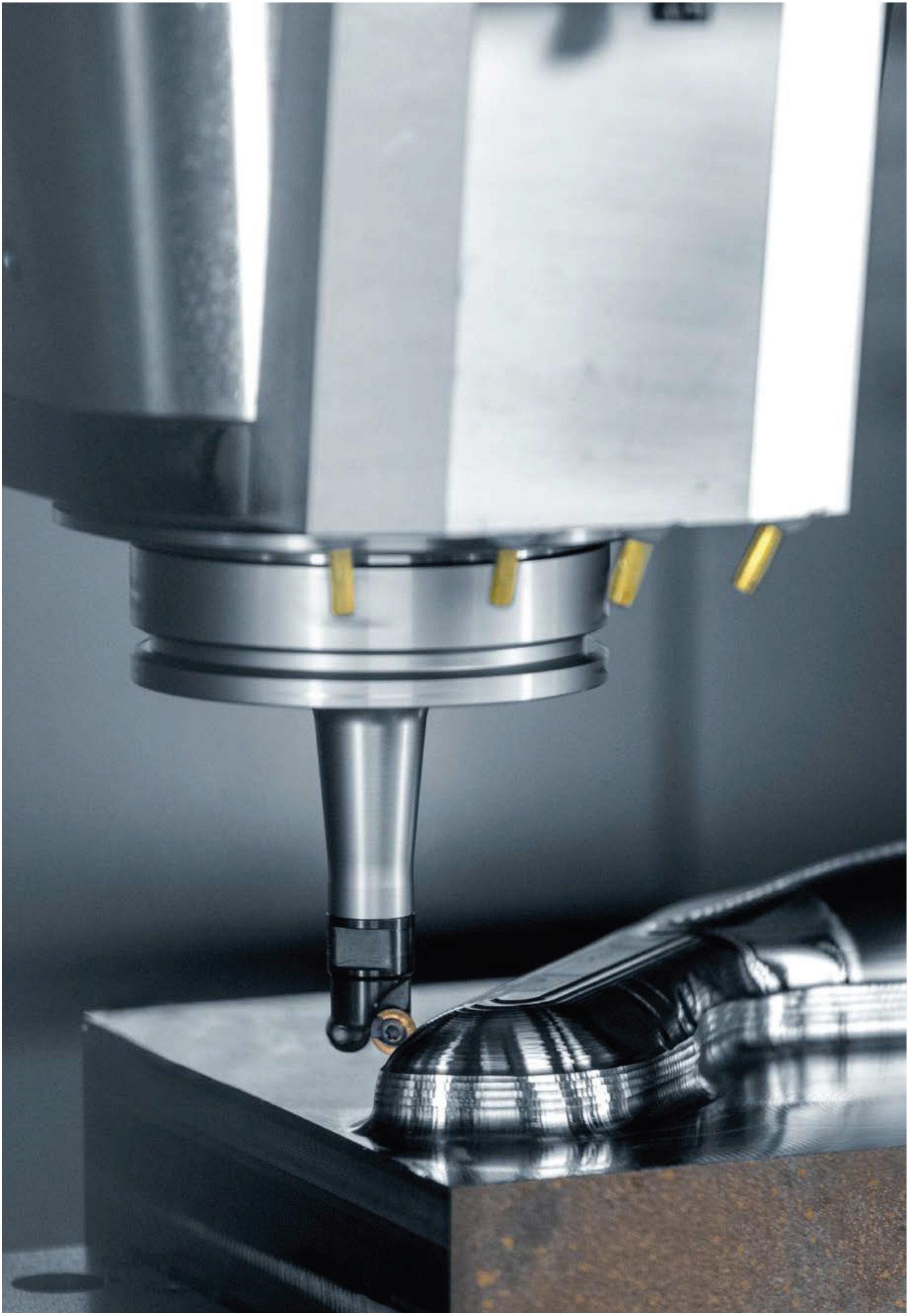
Tool



DIN 6535 HA

Designation	D_N-P		D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10RA
★ TC630-SUNF10-A0D-	STIUNF #10-32	32	4,85	2,38	12,12	57	21	6	4	✖
★ TC630-SUNF1/4-A0D-	STIUNF 1/4-28	28	6,3	2,72	15,52	63	27	8	4	✖
★ TC630-SUNF5/16A0D-	STIUNF 5/16-24	24	7,85	3,17	19,16	63	27	8	5	✖
★ TC630-SUNF3/8-A0D-	STIUNF 3/8-24	24	9,35	3,17	22,33	72	32	10	5	✖

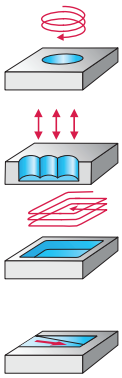
B 6



C – Milling

C1

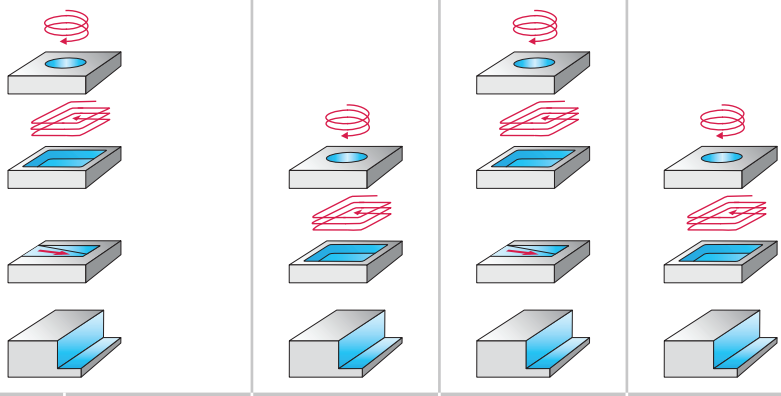
Solid carbide milling tools



Designation	MC025 Advance		MC089 Advance		MD025 Supreme	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	1–16	*0,125–0,625*	4–16	—	6–16	*0,250–0,625*
Number of teeth	2–4	*4*	4		5–6	*5–6*
Corner radius	0,1–2	*0,020–0,080*	0,5–2		0,5–2	*0,020–0,080*
Standard	PWZ-NORM L STANDARD		DIN 6527 L		PWZ-NORM L STANDARD	
Shank	DIN 6535 HA Cylindrical shank		DIN 6535 HA		DIN 6535 HA Cylindrical shank	
P Steel	●●				●●	
M Stainless steel	●				●●	
K Cast iron	●				●	
N NF metals					●	
S Materials with difficult cutting properties	●				●●	
H Hard materials			●●			
O Other						
Page in catalogue						
QR code						
www.walter-tools.com/woc/	MC025		MC089		MD025	

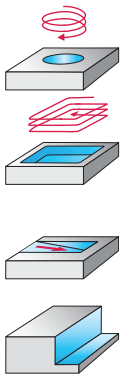
C1

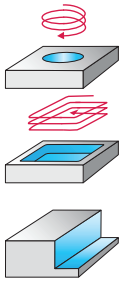
Solid carbide milling tools



Designation	MC111 Advance		MC112 Advance		MC183 Advance		Protostar®		MD133 Supreme	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	2–25	*0,094–0,750*	4–16,5	—	6–16	—	0,4–3	—	6–20	*0,250–0,750*
Number of teeth	4	*4*	4		6–16		2		5–6	*5–6*
Corner radius	0	*0,00*	0–2		0		0,05–0,3		0,3–1	*0,015–0,030*
Standard	DIN 6527 L STANDARD DIN 6527 K		PWZ-NORM XL PWZ-NORM L		DIN 6527 L		PWZ-NORM MINI		PWZ-NORM L PWZ-NORM XL	
Shank	DIN 6535 HA DIN 6535 HB Cylindrical shank		DIN 6535 HA		DIN 6535 HB		DIN 6535 HA		DIN 6535 HB	
P Steel	●●		●●				●●		●●	
M Stainless steel	●		●						●●	
K Cast iron	●		●						●	
N NF metals	●						●		●	
S Materials with difficult cutting properties	●		●						●	
H Hard materials					●●					
O Other										
Page in catalogue										
QR code										
www.walter-tools.com/woc/	MC111		MC112		MC183		protostar		MD133	

C1





MC122 Advance

Protostar® Ti

MC128 Advance

MC187 Advance

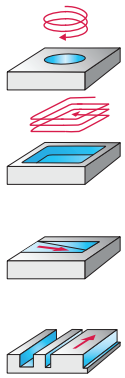
MD128 Supreme

MC129 Advance

	MC122 Advance		Protostar® Ti		MC128 Advance		MC187 Advance		MD128 Supreme		MC129 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
	2–25	—	16–25	—	2–25	*0,250–0,750*	3–25	*0,125–0,750*	6–25	—	6–20	—
	4–8		4–5		4–8	*6–8*	4–8	*4–8*	6–8		6	
	0		3–4		0–4	*0,00–0,250*	0–3	*0,015–0,060*	0–4		0	
	PWZ-NORM L PWZ-NORM XL DIN 6527 L		PWZ-NORM XL		DIN 6527 L STANDARD		PWZ-NORM L DIN 6527 L STANDARD		PWZ-NORM		DIN 6527 L	
	DIN 6535 HA DIN 6535 HB		DIN 6535 HA		DIN 6535 HA Cylindrical shank		DIN 6535 HA Cylindrical shank		DIN 6535 HA		DIN 6535 HA	
	●●				●●				●●		●●	
	●				●				●●		●	
	●				●				●		●	
	●		●●		●				●●		●	
							●●					
	MC122		protostar-ti		MC128		MC187		MD128		MC129	

C1

Solid carbide milling tools

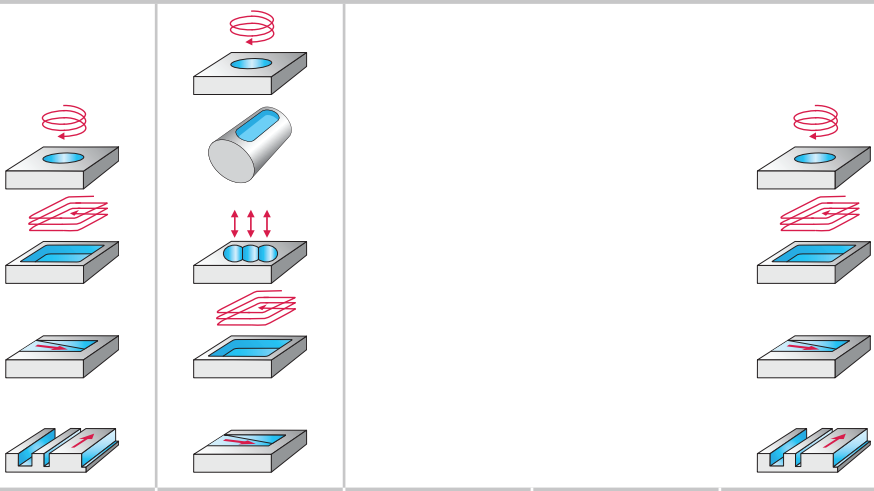






Designation	Protostar®		MB265 Supreme		MB266 Supreme		MC213 Advance		MC216 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	2–20	—	16–25	—	12–25	*0,250–1,000*	0,6–16,5	*0,250–0,750*	1–20	*0,094–0,750*
Number of teeth	2		3		3	*3*	2–4	*4*	2–3	*2*
Corner radius	0–4		2–4		0,5–4	*0,015–0,120*	0–1,5	*0,015–0,120*	0	*0,00*
Standard	PWZ-NORM L		PWZ-NORM XL		PWZ-NORM XL		PWZ-NORM XL PWZ-NORM L		DIN 6527 L STANDARD PWZ-NORM L	
Shank	DIN 6535 HA		DIN 6535 HA		DIN 6535 HA Cylindrical shank		DIN 6535 HA Cylindrical shank		DIN 6535 HA Cylindrical shank	
P Steel							●●		●●	
M Stainless steel							●		●	
K Cast iron							●		●	
N NF metals			●●		●●					
S Materials with difficult cutting properties							●		●	
H Hard materials										
O Other										
Page in catalogue										
QR code										
www.walter-tools.com/woc/	protostar		MB265		MB266		MC213		MC216	

C1

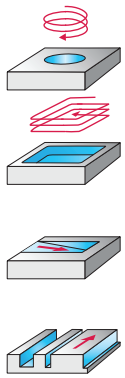


	MC281 Advance		MC716 Advance		MD266 Supreme		Protostar®		Protostar® Ultra		MC232 Perform		Proto·max™ST	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
	1–4	—	1,8–20	—	2–25	—	0,5–12	—	0,8–16	—	2–20	*0,125–0,750*	6–25	*0,375–0,750*
	2		2–3		2–3		1–4		2–4		2–4	*2–4*	5	*5*
	0,2–0,5		0		0–4		0–1		0,08–2		0–4	*0,00–0,125*	0–4	*0,00–0,060*
	PWZ-NORM MINI		DIN 6527 K		DIN 6527 L P-NORM L P-NORM XL		DIN 6527 L PWZ-NORM L PWZ-NORM XL PWZ-NORM MINI		PWZ-NORM L PWZ-NORM MINI		DIN 6527 L STANDARD		DIN 6527 L STANDARD	
	DIN 6535 HA		DIN 6535 HB		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA DIN 6535 HB Cylindrical shank		DIN 6535 HB	
			●●								●●		●●	
			●								●		●	
			●								●			
					●●									
			●											
	●●								●●					
							●●							

MC281	MC716	MD266	protostar	protostar-ultra	MC232

C1

Solid carbide milling tools

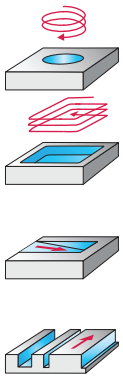






Designation	MC251 Advance		Proto·max™Inox		Xill·tec™		MC319 Advance		MC320 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	3–20	—	6–20	*0,250–0,750*	2–25	—	5–25	—	4–25	*0,250–0,750*
Number of teeth	4		4	*4*	4		4		3–8	*4*
Corner radius	0–6		0–4	*0,00*	0–4		0,2–0,4		0,2–0,4	*0,008–0,016*
Standard	DIN 6527 L		DIN 6527 L DIN 6527		DIN 6527 L		DIN 6527 L		DIN 6527 K DIN 6527 L STANDARD	
Shank	DIN 6535 HA		DIN 6535 HA DIN 6535 HB Cylindrical shank		DIN 6535 HA DIN 6535 HB		DIN 6535 HB		DIN 6535 HB	
P Steel					●●		●●		●●	
M Stainless steel	●●		●●		●		●		●	
K Cast iron					●		●		●	
N NF metals					●					
S Materials with difficult cutting properties	●		●		●		●		●	
H Hard materials										
O Other										
Page in catalogue										
QR code										
www.walter-tools.com/woc/	MC251				MC230		MC319		MC320	

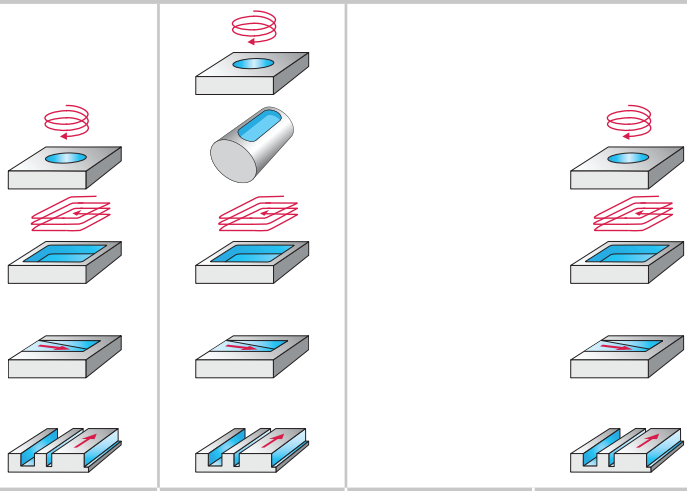
C1



	MC377 Advance		MD377 Supreme		Protostar®		MC267 Advance		MC321 Advance		MC322 Advance		MC324 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
	2–25	—	6–25	—	6–25	—	1–20	—	2–12	*0,125–0,500*	6–20	—	1–20	—
	3–4		5		3		2–3		3–4	*4*	4–5		3	
	0–4		0,5–6,35		0		0–4		0	*0,00*	0		0–2	
	DIN 6527 L		DIN 6527 L		PWZ-NORM L DIN 6527 L		DIN 6527 L		STUB PWZ-NORM S DIN 6527 K		DIN 6527 K		DIN 6527 L	
	DIN 6535 HA DIN 6535 HB		DIN 6535 HA DIN 6535 HB		DIN 6535 HA DIN 6535 HB		DIN 6535 HA		Cylindrical shank DIN 6535 HA		DIN 6535 HA		DIN 6535 HA DIN 6535 HB	
	●								●●		●●		●●	
	●		●						●		●		●	
									●		●		●	
							●●							
	●●		●●						●		●		●	
	MC377		MD377		protostar		MC267		MC321		MC322		MC324	

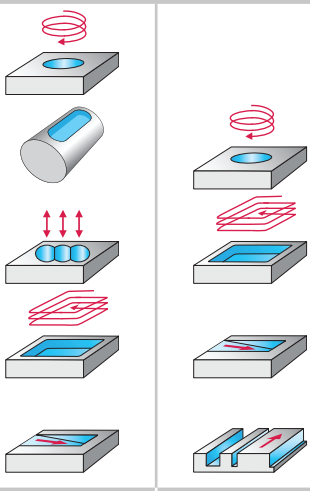
C1

Solid carbide milling tools



Designation	Protostar®		Proto·max™ST		MC326 Supreme		MC341 Supreme		MC388 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	1–25	*0,063–0,750*	2–20	*0,063–0,750*	2–25	*0,125–1,000*	6–20	—	2–12	*0,125–0,500*
Number of teeth	2–3	*2*	3	*3*	3–5	*3–5*	4		3–4	*3–4*
Corner radius	0–0,5	*0,00*	0–0,4	*0,00*	0–4	*0,00–0,160*	0		0–3	*0,00–0,030*
Standard	DIN 6527 L STANDARD PWZ-NORM L LONG		PWZ-NORM LONG		PWZ-NORM L DIN 6527 L STANDARD LONG STUB		PWZ-NORM		DIN 6527 L PWZ-NORM L	
Shank	DIN 6535 HA Cylindrical shank		DIN 6535 HA DIN 6535 HB Cylindrical shank		DIN 6535 HA DIN 6535 HB Cylindrical shank		DIN 6535 HA		DIN 6535 HA Cylindrical shank DIN 6535 HB	
P Steel			●●		●●		●●		●	
M Stainless steel			●		●		●			
K Cast iron					●					
N NF metals	●●									
S Materials with difficult cutting properties					●					
H Hard materials									●●	
O Other										
Page in catalogue										
QR code										
www.walter-tools.com/woc/	protostar				MC326		MC341		MC388	

C1



MC726 Supreme

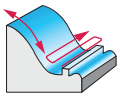
Proto·max™ST

	[mm]	*[inch]*	[mm]	*[inch]*
	2,8–16	—	3–20	*0,250–0,750*
	3–4		4	*4*
	0,08–0,25		0–4	*0,00*
	DIN 6527 K		PWZ-NORM LONG	
	DIN 6535 HA DIN 6535 HB		DIN 6535 HA DIN 6535 HB Cylindrical shank	
	●●		●●	
	●		●	
	●			
	●			

MC726

C1

Solid carbide milling tools

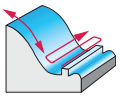






Designation	MC413 Advance		MC416 Advance		MC480 Advance		MC482 Advance		Protostar®	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	1–16	—	1–20	*0,063–0,625*	0,4–5	—	1–16	*0,125–0,500*	0,3–16	*0,375*
Number of teeth	2–4		2–4	*4*	2		2–4	*2*	2	*2*
Corner radius	0,5–8		0,5–10	*0,031–0,313*	0,2–2,5		0,5–8	*0,062–0,250*	0,15–8	*0,188*
Standard	PWZ-NORM XL PWZ-NORM L		PWZ-NORM L STANDARD DIN 6527 L		PWZ-NORM MINI		DIN 6527 L DIN 6527 K PWZ-NORM XL		PWZ-NORM L STANDARD PWZ-NORM MINI	
Shank	DIN 6535 HA		DIN 6535 HA DIN 6535 HB Cylindrical shank		DIN 6535 HA		DIN 6535 HA Cylindrical shank		DIN 6535 HA Cylindrical shank	
P Steel	●●		●●						●●	
M Stainless steel	●		●							
K Cast iron	●		●							
N NF metals	●		●						●	
S Materials with difficult cutting properties	●		●							
H Hard materials					●●		●●			
O Other									●●	
Page in catalogue										
QR code										
www.walter-tools.com/woc/	MC413		MC416		MC480		MC482		protostar	

C1



Protostar® Ultra

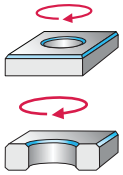
Proto·max™Ultra

	[mm]	*[inch]*	[mm]	*[inch]*
	1–16	—	1–12	—
	2–4		2	
	0,5–8		0,5–6	
	DIN 6527 L PWZ-NORM L		PWZ-NORM L PWZ-NORM MINI	
	DIN 6535 HA		DIN 6535 HA	
	●●		●●	

protostar-ultra

C1

Solid carbide milling tools

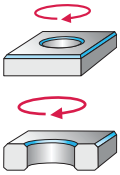






Designation	MC500 Advance		MC501 Advance		MC502 Advance		MC503 Advance		MC504 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	6–10	—	6–12	—	10	—	6–20	—	6–12	—
Number of teeth	4		4–6		4		3–4		4–6	
Corner radius										
Standard	PWZ-NORM L		PWZ-NORM L		PWZ-NORM L		DIN 6527 L		PWZ-NORM L	
Shank	DIN 6535 HA DIN 6535 HB		DIN 6535 HA DIN 6535 HB		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA	
P Steel	●●		●●		●●		●●		●●	
M Stainless steel	●		●		●		●		●	
K Cast iron	●		●		●		●		●	
N NF metals	●		●		●		●		●	
S Materials with difficult cutting properties	●		●		●		●		●	
H Hard materials										
O Other										
Page in catalogue										
QR code										
www.walter-tools.com/woc/	MC500		MC501		MC502		MC503		MC504	

C1



Protostar®

	[mm]	*[inch]*
	—	*0,250–1,000*
		3–6

STANDARD

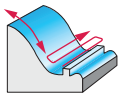
Cylindrical shank

	●●
	●
	●
	●
	●

protostar

C1

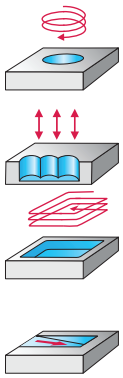
Solid carbide milling tools



Designation	MD838 Supreme		MD839 Supreme	
	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	6–16	—	6–16	—
Number of teeth	4–8		4	
Corner radius	0,5–4		1–4	
Standard	PWZ-NORM		PWZ-NORM	
Shank	DIN 6535 HA		DIN 6535 HA	
P Steel	●●		●●	
M Stainless steel	●●		●●	
K Cast iron	●		●	
N NF metals	●		●	
S Materials with difficult cutting properties	●●		●●	
H Hard materials				
O Other				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	MD838		MD839	

C1

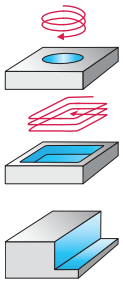
Solid carbide milling tools with ConeFit interface



Designation	MC025 Advance		MD025		Protostar® Flash		MC025 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	10–25	*0,375–0,750*	10–25	*0,375–1,000*	10–16	—	—	—
Number of teeth	4	*4*	5–6	*5–6*	3			
Corner radius	1,5–3	*0,060–0,080*	1,5–3	*0,060–0,125*	1,5–2			
Standard	PWZ-NORM		PWZ-NORM		PWZ-NORM			
Shank	ConeFit		ConeFit		ConeFit			
P Steel	●●		●●		●●		●●	
M Stainless steel	●		●●		●		●	
K Cast iron	●		●		●		●	
N NF metals			●					
S Materials with difficult cutting properties	●		●●		●		●	
H Hard materials								
O Other								
Page in catalogue								
QR code								
www.walter-tools.com/woc/	MC025		MD025		protostar-flash		MC025	

C1

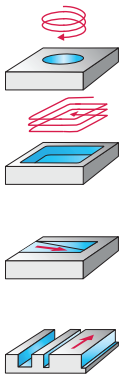
Solid carbide milling tools with ConeFit interface

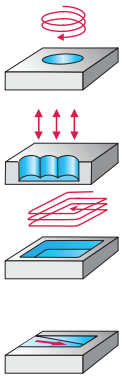


Designation	MC128		MD128	
	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	10–25	—	10–25	—
Number of teeth	6–8		6–8	
Corner radius	0–4		0–4	
Standard	PWZ-NORM		PWZ-NORM	
Shank	ConeFit		ConeFit	
P Steel	●●		●●	
M Stainless steel	●		●●	
K Cast iron	●		●	
N NF metals				
S Materials with difficult cutting properties	●		●●	
H Hard materials				
O Other				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	MC128		MD128	

C1

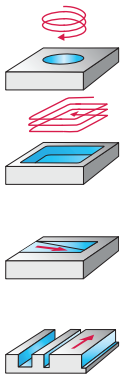
Solid carbide milling tools with ConeFit interface





Designation	Protostar®		MC320		Protostar®		MC326		Protostar® Flash	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	10–16	—	10–25	—	10–25	—	10–25	*0,375–1,000*	10–25	—
Number of teeth	2		4–8		2–3		4–5	*4–5*	4–5	
Corner radius	0,2–3		0,35–0,4		0		0–4	*0,00–0,125*	1,5–3	
Standard	PWZ-NORM		PWZ-NORM		PWZ-NORM		PWZ-NORM		PWZ-NORM	
Shank	ConeFit		ConeFit		ConeFit		ConeFit		ConeFit	
P Steel	●●		●●		●●		●●			
M Stainless steel	●		●				●		●●	
K Cast iron	●		●		●		●			
N NF metals										
S Materials with difficult cutting properties			●				●		●	
H Hard materials										
O Other										
Page in catalogue										
QR code										
www.walter-tools.com/woc/	protostar		MC320		protostar		MC326		protostar-flash	

C1



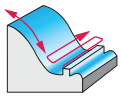
Proto·max™$_{Inox}$

Proto·max™$_{ST}$

	[mm]	*[inch]*	[mm]	*[inch]*
	10–25	—	10–20	—
	4–5		4	
	0–4		0–4	
	PWZ-NORM		PWZ-NORM	
	ConeFit		ConeFit	
			●●	
	●●		●	
	●			

C1

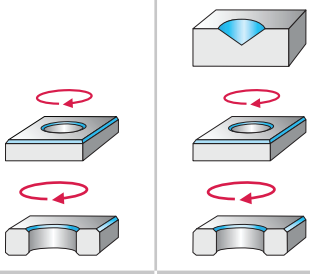
Solid carbide milling tools with ConeFit interface

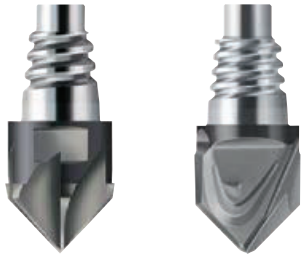


Designation	Protostar®		Protostar®	
	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	10–16	—	10–25	*0,375–1,000*
Number of teeth	2		2–4	*4*
Corner radius	5–8		5–12,5	*0,187–0,500*
Standard	PWZ-NORM		PWZ-NORM	
Shank	ConeFit		ConeFit	
P Steel	●●		●●	
M Stainless steel	●●		●●	
K Cast iron	●		●	
N NF metals	●		●	
S Materials with difficult cutting properties				
H Hard materials				
O Other				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	protostar		protostar	

C1

Solid carbide milling tools with ConeFit interface

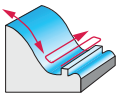




Designation	Protostar®		Protostar®	
	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	10–20	*0,500–0,625*	10–16	—
Number of teeth	4–8	*6–8*	2	
Corner radius				
Standard	PWZ-NORM		PWZ-NORM	
Shank	ConeFit		ConeFit	
P Steel	●●		●●	
M Stainless steel	●		●	
K Cast iron	●		●	
N NF metals	●		●	
S Materials with difficult cutting properties	●		●	
H Hard materials				
O Other				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	protostar		protostar	

C1

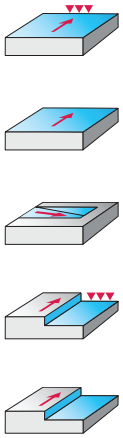
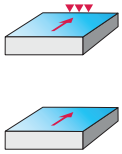
Solid carbide milling tools with ConeFit interface



Designation	MD838	
	[mm]	*[inch]*
Diameter range	16	—
Number of teeth	8	
Corner radius	2–4	
Standard	PWZ-NORM	
Shank	ConeFit	
P Steel	●●	
M Stainless steel	●●	
K Cast iron	●	
N NF metals	●	
S Materials with difficult cutting properties	●●	
H Hard materials		
O Other		
Page in catalogue		
QR code		
www.walter-tools.com/woc/	MD838	

C1

Brazed milling tools

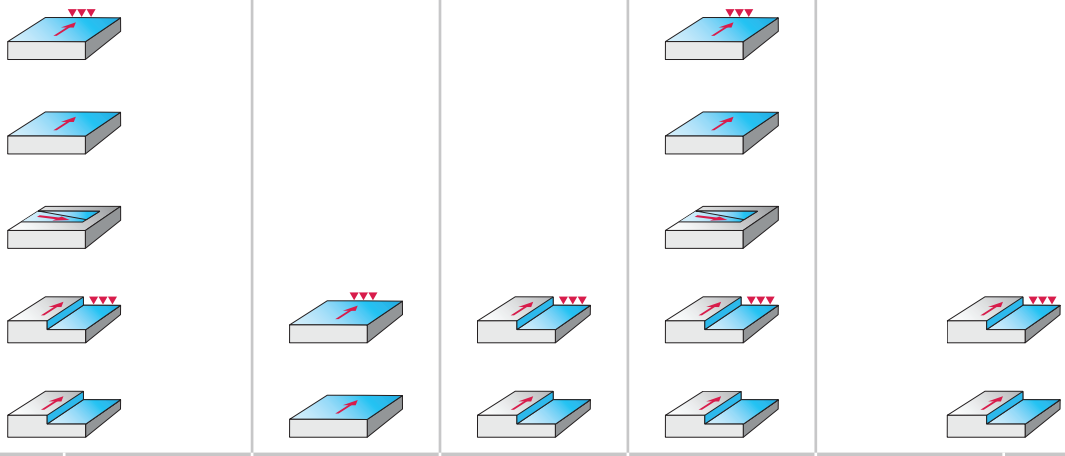








Designation	F4700		MP260		MP260		F4700		MP060		
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	
Diameter range	6–40	—	4–6	—	8–12	—	10–20	—	40,6–125,6	—	
Number of teeth	2–4		2		2		2		10–22		
Corner radius	0		0,1–0,2		0,2		0		0		
Standard											
Shank	ScrewFit Cylindrical shank		Cylindrical shank		Cylindrical shank		Cylindrical shank		Shell mill mount DIN 138 transverse keyway		
P Steel											
M Stainless steel											
K Cast iron											
N NF metals			●●		●●				●●		
S Materials with difficult cutting properties											
H Hard materials											
O Other			●		●				●		
Page in catalogue											
QR code											
www.walter-tools.com/woc/	F4722		MP260		MP260		F4722		MP060		

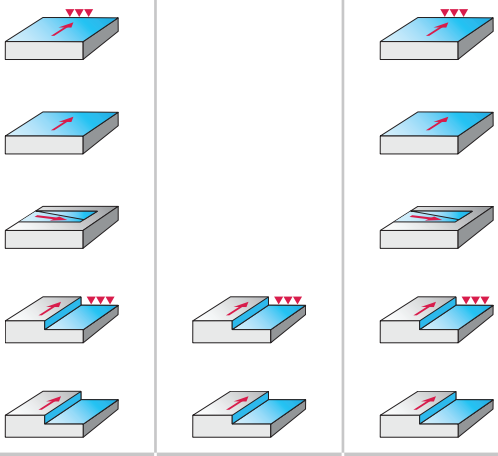
C1



	MP160		MP260		F4700		F1678		F1675		F1676		F1678	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
	16–40	—	16–20	—	50–80	—	32	—	50–80	—	63	—	40	—
	3–4		2–3		5–6		4		6–8		6		6	
	0,2		0,2		0		0		0		0		0	
	ScrewFit Cylindrical shank		ScrewFit Cylindrical shank		Shell mill mount DIN 138 transverse keyway		DIN 1835 B		Shell mill mount DIN 138 transverse keyway		SK DIN 69871		DIN 1835 B	
	●●		●●											
	●		●											
	MP160		MP260		F4723		F1678		F1675		F1676		F1678	

C1

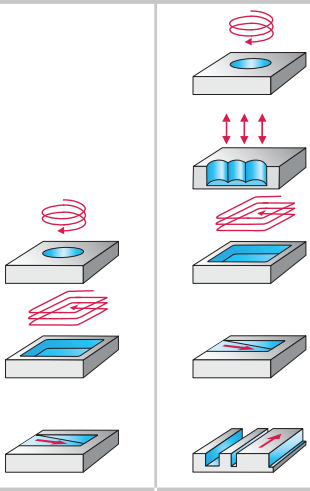
Brazed milling tools



Designation	F1682		F1678		F1682	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	40–63	—	25	—	50	—
Number of teeth	6		4		6	
Corner radius	0		0		0	
Standard						
Shank	Modular NCT adaptor		DIN 1835 B		Modular NCT adaptor	
P Steel						
M Stainless steel						
K Cast iron						
N NF metals						
S Materials with difficult cutting properties						
H Hard materials						
O Other						
Page in catalogue						
QR code						
www.walter-tools.com/woc/	F1682		F1678		F1682	

C1

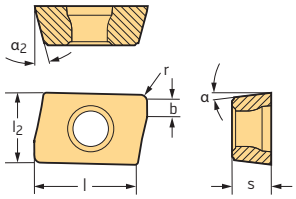
Brazed milling tools



Designation	MC075		MC275	
	[mm]	*[inch]*	[mm]	*[inch]*
Diameter range	8–25	—	8–25	—
Number of teeth	4		4–8	
Corner radius	1–3		1–1,5	
Standard	PWZ-NORM		PWZ-NORM	
Shank	ConeFit DIN 6535 HA		ConeFit DIN 6535 HA	
P Steel				
M Stainless steel				
K Cast iron				
N NF metals				
S Materials with difficult cutting properties	●●		●●	
H Hard materials				
O Other				
Page in catalogue				
QR code				
www.walter-tools.com/woc/	MC075		MC275	

C1

Positive rhombic
ACGT / ACMT
Tiger·tec® Gold



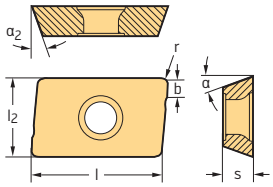
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	α	$α_2$	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSP45G	S HC WSP45S
	ACGT060204R-G65	G	2	6,7	4,4	0,4	7°	15°	0,9	☹	☹	😐	☹	☹			😐	☹	☹			😐	☹	☹
	ACGT060204R-M85	G	2	6,7	4,4	0,4	7°	15°	0,9											☺	😐			
	ACMT060202R-G55	M	2	6,7	4,4	0,2	7°	15°	1		☹		☹	☹				☹	☹				☹	☹
	ACMT060204R-G55	M	2	6,7	4,4	0,4	7°	15°	0,9		☹	😐	☹	☹	☺	😐	😐	☹	☹			😐	☹	☹
	ACMT060208R-G55	M	2	6,7	4,4	0,8	7°	15°	0,8	☹	☹		☹	☹				☹	☹				☹	☹
	ACMT060212R-G55	M	2	6,7	4,4	1,2	7°	15°	0,6	☹	☹		☹	☹				☹	☹				☹	☹
	ACMT060216R-G55	M	2	6,7	4,4	1,6	7°	15°	0,1		☹		☹	☹				☹	☹				☹	☹
	ACMT060204R-K55	M	2	6,7	4,4	0,4	7°	15°	0,9	😐	😐	☺	😐	😐				😐	😐			☺	😐	😐

HC = Coated carbide
HW = Uncoated carbide

C2

Positive rhombic
ADMT
Tiger·tec® Gold



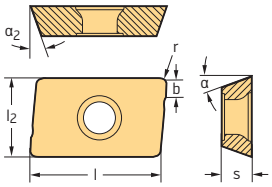
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	α	$α_2$	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
ADMT080304R-D56	M	2	9,52	6,75	0,4	15°	20°	1,2		✗				✗	☺		☹	✗	✗				✗
ADMT120408R-D56	M	2	13,6	8,4	0,8	15°	20°	1,2	✗				✗	✗	☺	☹	☹	✗	✗			✗	✗
ADMT160608R-D56	M	2	17,5	10,8	0,8	15°	20°	1,6	✗	✗			✗	✗	☺	☹	☹	✗	✗			✗	✗
ADMT180712R-D56	M	2	19	14,5	1,2	15°	17°	1,8	✗				✗	✗		☹	☹	✗	✗			✗	✗
ADMT080302R-F56	M	2	9,52	6,75	0,2	15°	20°	1,2		✗	☹			✗				✗	✗	☹			✗
ADMT080304L-F56	M	2	9,52	6,75	0,4	15°	20°	1,2						✗				✗	✗				✗
ADMT080304R-F56	M	2	9,52	6,75	0,4	15°	20°	1,2		✗	☹			✗	☺		☹	✗	✗	☹			✗
ADMT080308L-F56	M	2	9,52	6,75	0,8	15°	20°	1,2		✗				✗				✗	✗				✗
ADMT080308R-F56	M	2	9,52	6,75	0,8	15°	20°	1,2	✗		☹		✗	✗				✗	✗	☹		✗	✗
ADMT080312R-F56	M	2	9,52	6,75	1,2	15°	20°	1		✗	☹			✗				✗	✗	☹			✗
ADMT080316R-F56	M	2	9,52	6,75	1,6	15°	20°	1		✗	☹			✗				✗	✗	☹			✗
ADMT080320R-F56	M	2	9,52	6,75	2	15°	20°	1			☹			✗				✗	✗	☹			✗
ADMT10T304R-F56	M	2	11,3	7,25	0,4	15°	15°	1,2		✗	☹			✗				✗	✗	☹			✗
ADMT10T308R-F56	M	2	11,3	7,25	0,8	15°	15°	1,2	✗	✗	☹	✗	✗	✗	☺	☹	☹	✗	✗	☹	✗	✗	✗
ADMT10T312R-F56	M	2	11,3	7,25	1,2	15°	15°	1,2		✗	☹			✗				✗	✗	☹			✗
ADMT10T316R-F56	M	2	11,3	7,25	1,6	15°	15°	1,2		✗	☹	✗		✗				✗	✗	☹	✗		✗
ADMT10T320R-F56	M	2	11,3	7,25	2	15°	15°	1		✗	☹	✗		✗				✗	✗	☹	✗		✗
ADMT10T325R-F56	M	2	11,3	7,25	2,5	15°	15°	1			☹			✗				✗		☹			✗
ADMT10T330R-F56	M	2	11,3	7,25	3	15°	15°	0,8			☹			✗				✗	✗	☹			✗
ADMT10T332R-F56	M	2	11,3	7,25	3,2	15°	15°	0,8		✗	☹	✗		✗				✗		☹	✗		✗
ADMT120404R-F56	M	2	13,6	8,4	0,4	15°	20°	1,2		✗	☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT120408L-F56	M	2	13,6	8,4	0,8	15°	20°	1,2	✗	✗			✗	✗				✗	✗			✗	✗
ADMT120408R-F56	M	2	13,6	8,4	0,8	15°	20°	1,2		✗	☹	✗	✗	✗	☺	☹	☹	✗	✗	☹	✗	✗	✗
ADMT120412R-F56	M	2	13,6	8,4	1,2	15°	20°	1,2		✗	☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT120416L-F56	M	2	13,6	8,4	1,6	15°	20°	1	✗	✗			✗	✗				✗	✗			✗	✗
ADMT120416R-F56	M	2	13,6	8,4	1,6	15°	20°	1		✗	☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT120420R-F56	M	2	13,6	8,4	2	15°	20°	1	✗	✗	☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT120425L-F56	M	2	13,6	8,4	2,5	15°	20°	0,8		✗				✗				✗	✗				✗
ADMT120425R-F56	M	2	13,6	8,4	2,5	15°	20°	0,8	✗	✗			✗	✗				✗	✗			✗	✗
ADMT120430L-F56	M	2	13,6	8,4	3	15°	20°	0,8	✗				✗	✗				✗	✗			✗	✗
ADMT120430R-F56	M	2	13,6	8,4	3	15°	20°	0,8			☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT120432R-F56	M	2	13,6	8,4	3,2	15°	20°	0,8		✗	☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT120440L-F56	M	2	13,6	8,4	4	15°	20°	0,4	✗	✗			✗	✗				✗				✗	✗
ADMT120440R-F56	M	2	13,6	8,4	4	15°	20°	0,4		✗	☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT160608L-F56	M	2	17,5	10,8	0,8	15°	20°	1,6	✗	✗			✗	✗				✗	✗			✗	✗
ADMT160608R-F56	M	2	17,5	10,8	0,8	15°	20°	1,6	✗	✗	☹	✗	✗	✗	☺	☹	☹	✗	✗	☹	✗	✗	✗
ADMT160612R-F56	M	2	17,5	10,8	1,2	15°	20°	1,6		✗	☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT160616L-F56	M	2	17,5	10,8	1,6	15°	20°	1,4	✗				✗	✗				✗	✗			✗	✗
ADMT160616R-F56	M	2	17,5	10,8	1,6	15°	20°	1,4		✗	☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT160620R-F56	M	2	17,5	10,8	2	15°	20°	1,4	✗		☹	✗	✗	✗				✗	✗	☹	✗	✗	✗
ADMT160625L-F56	M	2	17,5	10,8	2,5	15°	20°	1,2		✗				✗				✗					✗
ADMT160625R-F56	M	2	17,5	10,8	2,5	15°	20°	1,2	✗		☹		✗	✗				✗	✗	☹		✗	✗
ADMT160630L-F56	M	2	17,5	10,8	3	15°	20°	1,2					✗	✗				✗	✗			✗	✗
ADMT160630R-F56	M	2	17,5	10,8	3	15°	20°	1,2			☹	✗	✗	✗				✗	✗	☹	✗	✗	✗

HC = Coated carbide

C2

Positive rhombic
ADMT
Tiger·tec® Gold



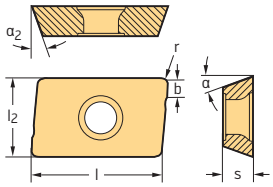
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	α	$α_2$	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	ADMT160632R-F56	M	2	17,5	10,8	3,2	15°	20°	1,2		✖	☺	✖	✖	✖				✖	✖	☺	✖	✖	✖
	ADMT160640L-F56	M	2	17,5	10,8	4	15°	20°	1						✖				✖	✖				✖
	ADMT160640R-F56	M	2	17,5	10,8	4	15°	20°	1	✖		☺	✖	✖	✖				✖	✖	☺	✖	✖	✖
	ADMT160650R-F56	M	2	17,5	10,8	5	15°	20°			✖	☺	✖	✖	✖				✖	✖	☺	✖	✖	✖
	ADMT160660R-F56	M	2	17,5	10,8	6	15°	20°		✖		☺	✖	✖	✖				✖	✖	☺	✖	✖	✖
	ADMT180712R-F56	M	2	19	14,5	1,2	15°	17°	1,8	✖	✖			✖	✖		☺	☺	✖	✖			✖	✖
	ADMT080304R-G56	M	2	9,52	6,75	0,4	15°	20°	1,2		☺	☺			☺				☺	☺	☺			☺
	ADMT10T308R-G56	M	2	11,3	7,25	0,8	15°	15°	1,2			☺			☺				☺	☺	☺			☺
	ADMT120408R-G56	M	2	13,6	8,4	0,8	15°	20°	1,2	☺	☺	☺		☺	☺				☺	☺	☺		☺	☺
	ADMT160608R-G56	M	2	17,5	10,8	0,8	15°	20°	1,6		☺	☺		☺	☺				☺	☺	☺		☺	☺

HC = Coated carbide

C2

Positive rhombic
ADGT
Tiger·tec® Gold



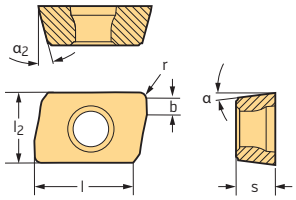
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	α	$α_2$	b mm	P HC		M HC			K HC				S HC		
										WSP45G	WSP45S	WSM35S	WSP45G	WSP45S	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSP45G	WSP45S
	ADGT0803PER-D51	G	2	9,52	6,75	0,4	15°	20°	1,2					✗		✓	✗	✗			✗
	ADGT1204PER-D51	G	2	13,6	8,4	0,8	15°	20°	1,2				✗	✗		✓	✗	✗		✗	✗
	ADGT1606PER-D51	G	2	17,5	10,8	0,8	15°	20°	1,6				✗	✗		✓	✗	✗		✗	✗
	ADGT1807PER-D51	G	2	19	14,5	1,2	15°	17°	1,8								✗	✗			
	ADGT1204PER-D56	G	2	13,6	8,4	0,8	15°	20°	1,2	✗			✗	✗		✓	✗	✗		✗	✗
	ADGT1606PER-D56	G	2	17,5	10,8	0,8	15°	20°	1,6		✗		✗	✗	✓	✓	✗	✗		✗	✗
	ADGT1807PER-D56	G	2	19	14,5	1,2	15°	17°	1,8		✗		✗	✗			✗	✗		✗	✗
	ADGT10T3PER-D67	G	2	11,3	7,25	0,8	15°	15°	1,2		✗	✓		✗			✗	✗	✓		✗
	ADGT120416R-D67	G	2	13,6	8,4	1,6	15°	20°	1		✗		✗	✗						✗	✗
	ADGT1204PER-D67	G	2	13,6	8,4	0,8	15°	20°	1,2	✗		✓	✗	✗			✗	✗	✓	✗	✗
	ADGT160616R-D67	G	2	17,5	10,8	1,6	15°	20°	1	✗	✗		✗	✗						✗	✗
	ADGT1606PER-D67	G	2	17,5	10,8	0,8	15°	20°	1,6	✗	✗	✓	✗	✗			✗	✗	✓	✗	✗
	ADGT0803PER-F56	G	2	9,52	6,75	0,4	15°	20°	1,2		✗	✓		✗					✓		✗
	ADGT120404R-F56	G	2	13,6	8,4	0,4	15°	20°	1,2		✗		✗	✗						✗	✗
	ADGT120430R-F56	G	2	13,6	8,4	3	15°	20°	0,8	✗			✗							✗	
	ADGT120440R-F56	G	2	13,6	8,4	4	15°	20°	0,4	✗			✗	✗						✗	✗
	ADGT1204PER-F56	G	2	13,6	8,4	0,8	15°	20°	1,2	✗	✗	✓	✗	✗					✓	✗	✗
	ADGT160612R-F56	G	2	17,5	10,8	1,2	15°	20°	1,6	✗			✗							✗	
	ADGT160616R-F56	G	2	17,5	10,8	1,6	15°	20°	1,4	✗			✗	✗						✗	✗
	ADGT160620R-F56	G	2	17,5	10,8	2	15°	20°	1,4		✗		✗	✗						✗	✗
	ADGT160632R-F56	G	2	17,5	10,8	3,2	15°	20°	1,2				✗	✗						✗	✗
	ADGT160640R-F56	G	2	17,5	10,8	4	15°	20°	1	✗	✗		✗	✗						✗	✗
	ADGT1606PER-F56	G	2	17,5	10,8	0,8	15°	20°	1,6	✗		✓	✗	✗					✓	✗	✗
	ADGT10T3PER-G77	G	2	11,3	7,25	0,8	15°	15°	1,2		✓	✓		✓					✓		✓
	ADGT1204PER-G77	G	2	13,6	8,4	0,8	15°	20°	1,2		✓	✓	✓	✓					✓	✓	✓
	ADGT1606PER-G77	G	2	17,5	10,8	0,8	15°	20°	1,2	✓		✓	✓	✓					✓	✓	✓

HC = Coated carbide

C2

Positive rhombic
BCGT / BCHT / BCMT
Tiger·tec® Gold



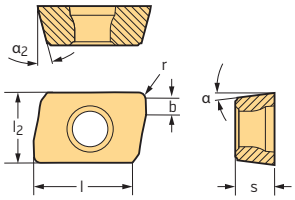
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	α	$α_2$	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	BCGT090304R-G55	G	2	10,3	6,3	0,4	7°	15°	1,2	☹		☺		☹		☻		☺	☹	☹			☺		☹	
	BCGT120408R-G55	G	2	13,8	7,6	0,8	7°	15°	1,3	☹		☺		☹	☹	☻		☺	☹	☹			☺		☹	☹
	BCGT160508R-G55	G	2	17,3	9,9	0,8	7°	15°	2		☹	☺		☹	☹	☻		☺	☹	☹			☺		☹	☹
	BCGT090304R-K85	G	2	10,3	6,3	0,4	7°	15°	1,2												☻	☺				
	BCHT120404R-K85	H	2	13,8	7,6	0,4	7°	15°	1,7												☻	☹				
	BCHT120408R-K85	H	2	13,8	7,6	0,8	7°	15°	1,3												☻	☺				
	BCHT120412R-K85	H	2	13,8	7,6	1,2	7°	15°	1,2												☻	☺				
	BCHT120416R-K85	H	2	13,8	7,6	1,6	7°	15°	1,1												☻	☺				
	BCHT120420R-K85	H	2	13,8	7,6	2	7°	15°	1,2												☻	☺				
	BCHT120425R-K85	H	2	13,8	7,6	2,5	7°	15°	1												☻	☺				
	BCHT120430R-K85	H	2	13,8	7,6	3	7°	15°	0,7												☻	☺				
	BCHT120440R-K85	H	2	13,8	7,6	4	7°	15°	0,4												☻	☺				
	BCHT160508R-K85	H	2	17,3	9,9	0,8	7°	15°	2												☻	☺				
	BCHT160512R-K85	H	2	17,3	9,9	1,2	7°	15°	1,7												☻	☺				
	BCHT160516R-K85	H	2	17,3	9,9	1,6	7°	15°	1,7												☻	☺				
	BCHT160520R-K85	H	2	17,3	9,9	2	7°	15°	1,5												☻	☺				
	BCHT160525R-K85	H	2	17,3	9,9	2,5	7°	15°	1,4												☻	☺				
	BCHT160530R-K85	H	2	17,3	9,9	3	7°	15°	1,2												☻	☺				
	BCHT160540R-K85	H	2	17,3	9,9	4	7°	15°	1,1												☻	☺				
	BCMT090304R-F55	M	2	10,3	6,3	0,4	7°	15°	1,2	☹			☹	☹		☻	☺	☺	☹	☹				☹	☹	
	BCMT120408R-F55	M	2	13,8	7,3	0,8	7°	15°	1,3	☹	☹			☹	☹	☻	☺	☺	☹	☹					☹	☹
	BCMT160508R-F55	M	2	17,3	9,9	0,8	7°	15°	2	☹	☹		☹	☹	☹	☻	☺	☺	☹	☹				☹	☹	☹
	BCMT090302R-G55	M	2	10,3	6,3	0,2	7°	15°	1,4	☹				☹					☹	☹					☹	
	BCMT090304R-G55	M	2	10,3	6,3	0,4	7°	15°	1,2	☹		☺	☹	☹		☻	☺	☺	☹	☹			☺	☹	☹	
	BCMT090308R-G55	M	2	10,3	6,3	0,8	7°	15°	0,8	☹			☹	☹					☹	☹				☹	☹	
	BCMT090312R-G55	M	2	10,3	6,3	1,2	7°	15°	0,4	☹				☹					☹	☹					☹	
	BCMT090316R-G55	M	2	10,3	6,3	1,6	7°	15°	0,4	☹			☹	☹					☹	☹				☹	☹	
	BCMT090320R-G55	M	2	10,3	6,3	2	7°	15°	0,4	☹			☹	☹					☹	☹				☹	☹	
	BCMT090330R-G55	M	2	10,3	6,3	3	7°	15°	0,4				☹											☹		
	BCMT120404R-G55	M	2	13,8	7,3	0,4	7°	15°	1,3	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120408R-G55	M	2	13,8	7,3	0,8	7°	15°	1,3		☹	☺	☹	☹	☹	☻	☺	☺	☹	☹			☺	☹	☹	☹
	BCMT120412R-G55	M	2	13,8	7,3	1,2	7°	15°	1,2	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120416R-G55	M	2	13,8	7,3	1,6	7°	15°	1,1	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120420R-G55	M	2	13,8	7,3	2	7°	15°	1,2	☹			☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120425R-G55	M	2	13,8	7,3	2,5	7°	15°	1	☹				☹	☹				☹	☹					☹	☹
	BCMT120430R-G55	M	2	13,8	7,3	3	7°	15°	0,7		☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120432R-G55	M	2	13,8	7,3	3,2	7°	15°	0,5					☹	☹				☹	☹					☹	☹
	BCMT120440R-G55	M	2	13,8	7,3	4	7°	15°	0,4	☹			☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160508R-G55	M	2	17,3	9,9	0,8	7°	15°	2	☹	☹	☺	☹	☹	☹	☻	☺	☺	☹	☹			☺	☹	☹	☹
	BCMT160512R-G55	M	2	17,3	9,9	1,2	7°	15°	1,7	☹			☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160516R-G55	M	2	17,3	9,9	1,6	7°	15°	1,5	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160520R-G55	M	2	17,3	9,9	2	7°	15°	1,5		☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160525R-G55	M	2	17,3	9,9	2,5	7°	15°	1,4	☹			☹	☹	☹				☹	☹				☹	☹	☹

HC = Coated carbide
HW = Uncoated carbide

C2

Positive rhombic
BCGT / BCHT / BCMT
Tiger·tec® Gold



Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	α	$α_2$	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	BCMT160530R-G55	M	2	17,3	9,9	3	7°	15°	1,2	✗	✗		✗	✗	✗				✗	✗				✗	✗	✗
	BCMT160532R-G55	M	2	17,3	9,9	3,2	7°	15°	1,1		✗			✗	✗				✗	✗					✗	✗
	BCMT160540R-G55	M	2	17,3	9,9	4	7°	15°	1,1		✗		✗	✗	✗				✗	✗				✗	✗	✗
	BCMT160550R-G55	M	2	17,3	9,9	5	7°	15°	0,7	✗				✗	✗				✗	✗					✗	✗
	BCMT160560R-G55	M	2	17,3	9,9	6	7°	15°	0,1	✗	✗		✗	✗	✗				✗	✗				✗	✗	✗
	BCMT090304R-K55	M	2	10,3	6,3	0,4	7°	15°	1,2	✓		☺		✓					✓	✓			☺		✓	
	BCMT120408R-K55	M	2	13,8	7,3	0,8	7°	15°	1,3	✓	✓	☺		✓	✓				✓	✓			☺		✓	✓
	BCMT160508R-K55	M	2	17,3	9,9	0,8	7°	15°	2	✓		☺	✗	✓	✓				✓	✓			☺	✗	✓	✓

HC = Coated carbide
HW = Uncoated carbide

Positive rhombic
LDMT
Tiger·tec® Gold

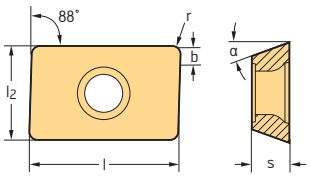
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	α	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	LDMT08T204R-D51	M	2	8,88	6,1	0,4	15°	0,8		✗			✗			✓	✗	✗			✗
	LDMT14T308R-D51	M	2	14,1	9,68	0,8	15°	1,2	✗	✗		✗	✗			✓	✗	✗		✗	✗
	LDMT170408R-D51	M	2	17,24	11,78	0,8	15°	1,6	✗			✗	✗			✓	✗	✗		✗	✗
	LDMT170412R-D51	M	2	17,24	11,78	1,2	15°	1,6					✗				✗	✗			✗
	LDMT08T204R-D57	M	2	8,88	6,1	0,4	15°	0,8			✓		✗		✓	✓	✗	✗	✓		✗
	LDMT14T308R-D57	M	2	14,1	9,68	0,8	15°	1,2	✗	✗	✓	✗	✗		✓	✓	✗	✗	✓	✗	✗
	LDMT170408R-D57	M	2	17,24	11,78	0,8	15°	1,6	✗		✓	✗	✗		✓	✓	✗	✗	✓	✗	✗
	LDMT08T204R-F57	M	2	8,88	6,1	0,4	15°	0,8		✗	✓		✗	☺		✓	✗	✗	✓		✗
	LDMT14T308R-F57	M	2	14,1	9,68	0,8	15°	1,2		✗	✓	✗	✗	☺		✓	✗	✗	✓	✗	✗
	LDMT170408R-F57	M	2	17,24	11,78	0,8	15°	1,6	✗		✓	✗	✗	☺		✓	✗	✗	✓	✗	✗

HC = Coated carbide

C2

Positive rhombic
LPMT
Tiger·tec® Gold

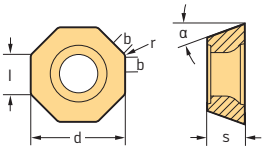


Indexable inserts

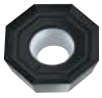
	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	α	b mm	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35S	S HC WSP45G	S HC WSP45S
	LPMT070304R-D51	M	2	7,94	6,35	0,4	11°	1,2					●	●		
	LPMT15T308R-D51	M	2	15	9,52	0,8	11°	1,4		●		●	●	●		●
	LPMT150412R-D51	M	2	15,88	12,7	1,2	11°	1,6		●		●	●	●		●
	LPMT150612R-D51	M	2	15,88	12,7	1,2	11°		●	●	●	●		●	●	●

HC = Coated carbide

Positive octagonal
ODHT
Tiger·tec® Gold



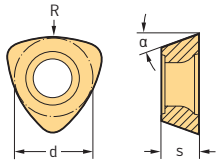
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	l mm	r mm	α	b mm	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	S HC WSP45G	S HC WSP45S
	ODHT0504ZZN-G77	H	8	12,7	5,26	0,8	15°	1,6	●	●	●	●	●	●
	ODHT0605ZZN-G77	H	8	15,88	6,58	0,8	15°	1,6	●	●	●	●	●	●

HC = Coated carbide

C2

Positive triangular
P26315 / P26325
Tiger·tec® Gold



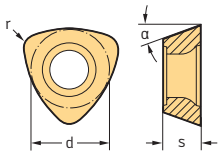
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	α	R mm	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35S	S HC WSP45G	S HC WSP45S
	P26315R10	M	3	6,75	14°	10	●	●	●	●	●	●	●	●
	P26315R12	M	3	8,5	14°	12,5		●	●	●	●	●	●	●
	P26315R15	M	3	10,5	14°	15	●		●	●	●	●	●	●
	P26315R16	M	3	10,5	14°	16	●	●	●	●	●	●	●	●
	P26315R20	M	3	12,5	11°	20	●		●	●	●	●	●	●
	P26315R25	M	3	12,7	11°	25	●	●	●	●	●	●	●	●
	P26315R31	M	3	12,7	11°	31,5	●		●	●	●	●	●	●
	P26325R31	M	3	12,7	11°	31,5		●	●	●	●	●	●	●

HC = Coated carbide

C2

Positive triangular
P26337
Tiger·tec® Gold

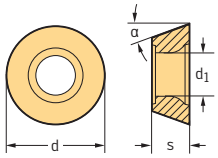


Indexable inserts

Designation	Tolerance class	Number of cutting edges	d mm	r mm	α	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	K HC WKP35G	K HC WKP35S	S HC WSP45G	S HC WSP45S
P26337R10	M	3	6,75	0,8	14°								
P26337R14	M	3	9,52	1,2	14°								
P26337R25	M	3	13	2	14°								

HC = Coated carbide

Positive round
RDHX / RDMX
Tiger·tec® Gold



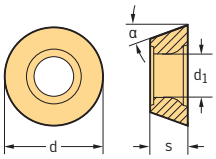
Indexable inserts

Designation	Tolerance class	Number of cutting edges	d mm	α	d_1 mm	M HC WSM35S	K HC WHH15	K HC WHH15X	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	H HC WHH15X
RDHX0501M0-A57	H	4	5	15°	2,2									
RDHX0702M0-A57	H	4	7	15°	2,8									
RDHX07T1M0-A57	H	4	7	15°	2,8									
RDHX1003M0-A57	H	4	10	15°	4,4									
RDHX12T3M0-A57	H	6	12	15°	4,4									
RDHX1604M0-A57	H	4	16	15°	5,5									
RDHX2006M0-A57	H	4	20	15°	5,5									
RDMX0501M0-D57	M	4	5	15°	2,2									
RDMX07T1M0-D57	M	4	7	15°	2,8									

HC = Coated carbide

C2

Positive round
RDHW

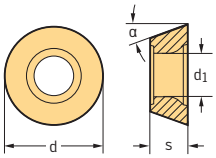


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	α	d_1 mm	K HC WHH15	H HC WHH15X
	RDHW0803M0-A57	H	4	8	15°	3,4	☺	☺
	RDHW10T3M0-A57	H	4	10	15°	4,4	☺	☺
	RDHW1204M0-A57	H	6	12	15°	4,4	☺	☺
	RDHW1605M0-A57	H	6	16	15°	5,5	☺	☺
	RDHW2006M0-A57	H	6	20	15°	6,5	☺	☺

HC = Coated carbide

Positive round
ROGX / ROHX / ROMX
Tiger·tec® Gold



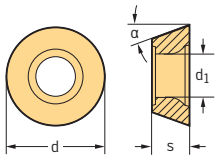
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	α	d_1 mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WHH15X	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S	H HC WHH15X
	ROGX0803M04-G88	G	4	8	11°	3,4												☹					
	ROGX2006M08-G88	G	8	20	15°	6,5												☹					
	ROGX10T3M08-G88	G	8	10	11°	3,9												☺					
	ROGX1204M08-G88	G	8	12	11°	4,4												☺					
	ROGX1605M08-G88	G	8	16	15°	5,5												☹					
	ROHX0803M04-A57	H	4	8	11°	3,4								☹	☹	☠	☠						☺
	ROHX0803M04-D57	H	4	8	11°	3,4	☠		☹		☠						☠		☹		☠		

HW = Uncoated carbide
HC = Coated carbide

C2

Positive round
ROGX / ROHX / ROMX
Tiger·tec® Gold



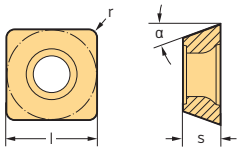
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	α	d_1 mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WHH15X	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S	H HC WHH15X
	ROHX0803M04-D67	H	4	8	11°	3,4	☹				☹										☹		
	ROHX2006M0T8-A27	H	8	20	15°	6,5											☹						
	ROHX2006M08-A57	H	8	20	15°	6,5								☺	☺	☹	☹						☺
	ROHX10T3M08-A57	H	8	10	11°	3,9							☻	☻	☻	☠	☠						☻
	ROHX1204M08-A57	H	8	12	11°	4,4							☻	☻	☻	☠	☠						☻
	ROHX1605M08-A57	H	8	16	15°	5,5								☺	☺	☹	☹						☺
	ROHX2006M08-D57	H	8	20	15°	6,5											☹						
	ROMX0803M04-D57	M	4	8	11°	3,4	☹		☺		☹			☺	☺		☹		☺		☹		
	ROMX2006M0T8-A27	M	8	20	15°	6,5								☺	☺	☹	☹						
	ROMX10T3M0T8-A27	M	8	10	11°	3,9								☻	☻	☠	☠						
	ROMX1204M0T8-A27	M	8	12	11°	4,4								☻	☻	☠	☠						
	ROMX1605M0T8-A27	M	8	16	15°	5,5								☺	☺	☹	☹						
	ROMX2006M08-D57	M	8	20	15°	6,5	☹		☺		☹			☺	☺	☹	☹		☺		☹		
	ROMX10T3M08-D57	M	8	10	11°	3,9	☠		☻		☠			☻	☻	☠	☠		☻		☠		
	ROMX1204M08-D57	M	8	12	11°	4,4	☠		☻		☠			☻	☻	☠	☠		☻		☠		
	ROMX1605M08-D57	M	8	16	15°	5,5	☹		☺		☹			☺	☺	☹	☹		☺		☹		
	ROMX10T3M08-F67	M	8	10	11°	3,9	☠		☻	☹	☠								☻	☹	☠		
	ROMX1204M08-F67	M	8	12	11°	4,4			☻	☹	☠								☻	☹	☠		
	ROMX1605M08-F67	M	8	16	15°	5,5	☹		☺	☹	☹								☺	☹	☹		
	ROMX10T3M0-D67	M	4	10	11°	4,4	☹	☠	☻	☠	☹	☠							☻	☠	☹	☠	
	ROMX1204M0-D67	M	4	12	11°	4,4	☹		☻	☠	☹	☠							☻	☠	☹	☠	
	ROMX10T3M0-F67	M	4	10	11°	4,4		☠		☠	☹	☠								☠	☹	☠	
	ROMX1204M0-F67	M	4	12	11°	4,4	☹	☠		☠	☹	☠								☠	☹	☠	

HW = Uncoated carbide
HC = Coated carbide

C2

Positive square
SPGT / SPMT
Tiger·tec® Gold



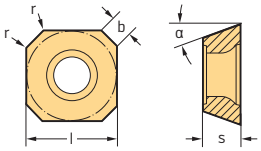
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	r mm	α	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	SPGT120606-F57	G	4	12,7	0,6	11°	●	●	●	●	●			●	●	●
	SPMT060304-D51	M	4	6,35	0,4	11°	●	●	●	●	●	●	●	●	●	●
	SPMT09T308-D51	M	4	9,52	0,8	11°	●	●	●	●	●	●	●	●	●	●
	SPMT120408-D51	M	4	12,7	0,8	11°		●	●	●	●	●	●	●	●	●
	SPMT120606-D51	M	4	12,7	0,6	11°	●	●		●	●		●		●	●
	SPMT120606-D57	M	4	12,7	0,6	11°				●	●	●	●		●	●

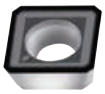
HC = Coated carbide

C2

Positive square
SPKT
Tiger·tec® Gold

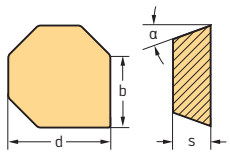


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	α	b mm	P HC WSP45G	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKP25S	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	SPKT1204AZN	K	4	12,7	11°	1,4	☹	😐	☹	☹	☺	😐	☹	😐	☹	☹
	SPKT1504AZN	K	4	15,88	11°	1,7							☹			

HC = Coated carbide

Finishing inserts
OPHX



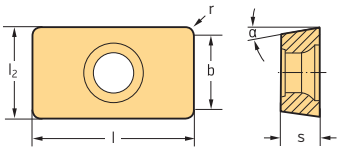
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	α	b mm	K HC WAK15	K HC WHH15	H HC WHH15X
	OPHX0504ZZN-A57	H	8	12,7	11°	5	☺	☺	☺

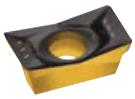
HC = Coated carbide

C2

Positive rhombic
BCGX



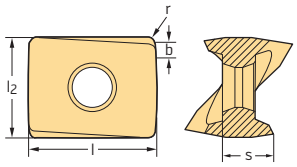
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	α	b mm	K HC WAK15	K HC WHH15	K HC WXM15
	BCGX0903PDR-G55	G	2	10,3	6,3	0,4	7°	5	☺	☺	☺
	BCGX1605PDR-G55	G	2	17,3	9,9	0,8	7°	8	☺	☺	☺

HC = Coated carbide

C2

Negative rhombic
LNGX
Tiger·tec® Gold

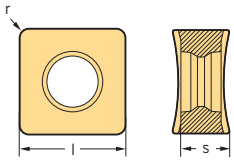


Indexable inserts

Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	b mm	P HC		M HC			K HC					S HC		
							WSP45G	WSP45S	WSM35S	WSP45G	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSP45G	WSP45S
LNGX130708R-L55	G	4	13,7	11	0,8	1,2	✖		☺	✖	✖	☻	☺	☺	✖	✖	☺	✖	✖
LNGX130712R-L55	G	4	13,7	11	1,2	1		✖	☺	✖	✖			☺	✖	✖	☺	✖	✖
LNGX130716R-L55	G	4	13,7	11	1,6	0,9			☺	✖	✖			☺	✖	✖	☺	✖	✖
LNGX130720R-L55	G	4	13,7	11	2	0,7	✖		☺	✖	✖			☺	✖	✖	☺	✖	✖
LNGX130725R-L55	G	4	13,7	11	2,5	0,6			☺					☺	✖	✖	☺		
LNGX130730R-L55	G	4	13,7	11	3	0,7								☺	✖	✖			

HC = Coated carbide

Negative square
SNMX
Tiger·tec® Gold



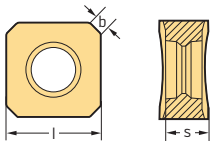
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l mm	r mm	P HC		M HC			K HC				S HC		
					WSP45G	WSP45S	WSM35S	WSP45G	WSP45S	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSP45G	WSP45S
SNMX090408-F57	M	8	9,52	0,8			☺	✖	✖	☺	☺	✖	✖	☺	✖	✖
SNMX120512-F57	M	8	12,7	1,2	✖	✖	☺	✖	✖	☺	☺	✖	✖	☺	✖	✖
SNMX120520-F57	M	8	12,7	2	✖	✖	☺	✖	✖	☺	☺	✖	✖	☺	✖	✖
SNMX160620-F57	M	8	16	2		✖		✖	✖		☺	✖	✖		✖	✖
SNMX160640-F57	M	8	16	4				✖				✖			✖	
SNMX090408-F67	M	8	9,52	0,8	✖	✖	☺	✖	✖		☺	✖	✖	☺	✖	✖
SNMX120512-F67	M	8	12,7	1,2		✖	☺	✖	✖		☺	✖	✖	☺	✖	✖

HC = Coated carbide

C2

Negative square
SNGX
Tiger·tec® Gold

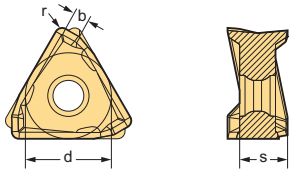


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	b mm	P HC	M HC			K HC				S HC		
						WSP45G	WSM35S	WSP45G	WSP45S	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSP45G	WSP45S
	SNGX0904ANN-F57	G	8	9,52	1,2	✖	☺	✖	✖	☺	☺	✖	✖	☺	✖	✖
	SNGX1205ANN-F57	G	8	12,7	1,5		☺	✖	✖	☺	☺	✖	✖	☺	✖	✖
	SNGX1606ANN-F57	G	8	16	1,8	✖		✖	✖			✖	✖		✖	✖

HC = Coated carbide

Negative triangular
TNMU
Tiger·tec® Gold



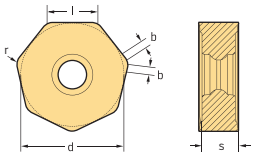
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	r mm	b mm	P HC		M HC		K HC			S HC	
							WSP45G	WSP45S	WSP45G	WSP45S	WKP25S	WKP35G	WKP35S	WSP45G	WSP45S
	TNMU11T304R-G57	M	6	6,72	0,4	1	✖		✖		☺	✖	✖	✖	
	TNMU160508R-G57	M	6	9,6	0,8	1,6	✖	✖	✖	✖	☺	✖	✖	✖	✖

HC = Coated carbide

C2

Negative heptagonal
XNGU / XNMU
Tiger·tec® Gold

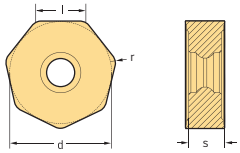


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	l mm	r mm	b mm	P HC		M HC			K HC			S HC		
								WSP45G	WSP45S	WSM35S	WSP45G	WSP45S	WKP25S	WKP35G	WKP35S	WSM35S	WSP45G	WSP45S
	XNGU0705ANN-F57	G	14	14,5	6,98	0,8	1,1		✓	✓	✗	✓	✓	✓	✓	✓	✗	✓
	XNMU0705ANN-F57	M	14	14,5	6,98	0,8	1,1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	XNMU0906ANN-F57	M	14	19,05	9,18	0,8	1,4	✗	✓	✓	✗	✓	✓	✓		✓	✗	✓

HC = Coated carbide

Negative heptagonal
XNMU
Tiger·tec® Gold



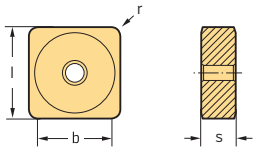
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	l mm	r mm	P HC	M HC			K HC			S HC		
							WSP45G	WSM35S	WSP45G	WSP45S	WKP25S	WKP35G	WKP35S	WSM35S	WSP45G	WSP45S
	XNMU070508-F57	M	14	14,5	6,98	0,8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	XNMU090612-F57	M	14	19,05	9,18	1,2	✗		✗	✓	✓	✓			✗	✓

HC = Coated carbide

C2

Finishing inserts
SNEF



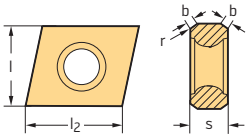
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	r mm	b mm	H HC WHH15X
	SNEF1204PNN-A27	E	8	12,7	1,2	10,3	☺

HC = Coated carbide

C2

Tangential rhombic
CNHU / CNMU
Tiger·tec® Gold



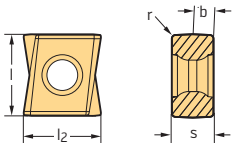
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	CNHU0805PPN-D57T	H	2	8	9	0,8	1,2	✗	✓✓		✗	✓✓	✓	✓✓		✗	✓✓
	CNHU1206PPN-D57T	H	2	12	13	0,8	1,5	✗	✓✓		✗	✓✓	✓	✓✓		✗	✓✓
	CNMU080508-D57T	M	2	8	9	0,8				✓	✗	✓✓	✓	✓✓	✓	✗	✓✓
	CNMU120608-D57T	M	2	12	13	0,8		✗	✓✓		✗	✓✓	✓	✓✓		✗	✓✓
	CNMU160812-D57T	M	2	16	15	1,2		✗	✓✓		✗	✓✓	✓	✓✓		✗	✓✓

Note: l_2 = width of cut

HC = Coated carbide

Tangential rhombic
LNHU / LNMU
Tiger·tec® Gold



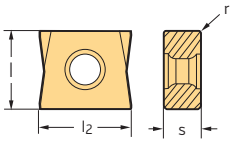
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	LNHU090404R-L55T	H	4	9	8,5	0,4	1,5		✓✓	✓		✗	✓✓	✓	✓	✓	✓✓	✓✓	✓		✗	✓✓
	LNHU090408R-L55T	H	4	9	8,5	0,8	1,1		✓✓	✓		✗	✓✓		✓	✓	✓✓	✓✓	✓		✗	✓✓
	LNHU090412R-L55T	H	4	9	8,5	1,2	0,8	✗		✓		✗	✓✓				✓✓	✓✓	✓		✗	✓✓
	LNHU090416R-L55T	H	4	9	8,5	1,6				✓		✗	✓✓				✓✓	✓✓	✓		✗	✓✓
	LNHU090420R-L55T	H	4	9	8,5	2		✗	✓✓	✓		✗	✓✓				✓✓	✓✓	✓		✗	✓✓
	LNHU130608R-L55T	H	4	13	12	0,8	2,2	✓✓	✓✓	✓		✗	✓✓	✓	✓	✓	✓✓	✓✓	✓		✗	✓✓
	LNHU130612R-L55T	H	4	13	12	1,2	1,9	✓✓	✓✓	✓		✗	✓✓				✓✓	✓✓	✓		✗	✓✓
	LNHU130616R-L55T	H	4	13	12	1,6	1,5	✓✓	✓✓	✓		✗	✓✓				✓✓	✓✓	✓		✗	✓✓
	LNHU130620R-L55T	H	4	13	12	2	1,2		✓✓	✓		✗	✓✓				✓✓	✓✓	✓		✗	✓✓
	LNHU130625R-L55T	H	4	13	12	2,5	0,7	✗	✓✓	✓		✗	✓✓				✓✓	✓✓	✓		✗	✓✓
	LNHU130630R-L55T	H	4	13	12	3	2,3		✓✓	✓		✗	✓✓				✓✓	✓✓	✓		✗	✓✓
	LNHU130632R-L55T	H	4	13	12	3,2				✓		✗	✓✓				✓✓	✓✓	✓		✗	✓✓
	LNHU160708R-L55T	H	4	16	15,5	0,8	2,3		✓✓	✓		✗	✓✓		✓	✓	✓✓	✓✓	✓		✗	✓✓
	LNHU160712R-L55T	H	4	16	15,5	1,2	1,9	✗				✗									✗	
	LNMU090404R-L55T	M	4	9	8,5	0,4	1,5	✓✓	✓✓		✗	✓✓	✓✓		✓	✓	✓✓	✓✓		✗	✓✓	✓✓
	LNMU130608R-L55T	M	4	13	12	0,8	2,2		✓✓		✗	✓✓	✓✓		✓	✓	✓✓	✓✓		✗	✓✓	✓✓

HC = Coated carbide

C2

Tangential rhombic
LNHU / LNMU
Tiger·tec® Gold



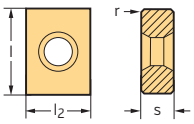
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	LNHU080304-F57T	H	4	8	9	0,4	✗	✗✗	✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗
	LNHU080404-F57T	H	4	8	9,4	0,4	✗	✗✗	✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗
	LNHU100508-F57T	H	4	10	12,3	0,8	✗		✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗
	LNHU120608-F57T	H	4	12	13,9	0,8	✗		✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗
	LNHU160812-F57T	H	4	16	16,9	1,2	✗		✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗
	LNMU080304-F57T	M	4	8	9	0,4		✗✗	✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗
	LNMU080404-F57T	M	4	8	9,4	0,4		✗✗	✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗
	LNMU100508-F57T	M	4	10	12,3	0,8		✗✗	✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗
	LNMU120608-F57T	M	4	12	13,9	0,8	✗	✗✗	✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗
	LNMU160812-F57T	M	4	16	16,9	1,2	✗		✓✓	✗	✗✗	✓✓	✗✗	✗✗	✓✓	✗	✗✗

HC = Coated carbide

C2

Tangential rhombic
LNMU
Tiger·tec® Gold



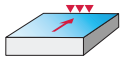
Indexable inserts

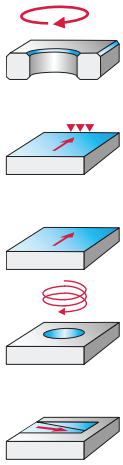
	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	r mm	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSP45G	S HC WSP45S
	LNMU150812-F57T	M	4	15	14	1,2	✗	✗	☺	☹	✗	✗	✗	✗
	LNMU201012-F57T	M	4	20	16	1,2		✗		☹		✗		✗

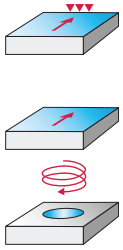
HC = Coated carbide

C2

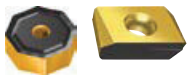
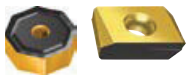
Face milling cutters







Lead angle κ	41,8°		41,8°		43°		43°		

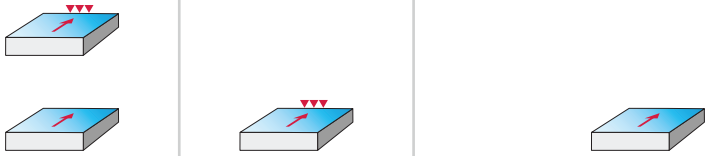
Designation	M2026		M2025		M5004 Xtra·tec® XT		F2010		
Diameter range [mm] [inch]	200–250	—	80–160	—	*24–160*	*0,935–3,000*	80–315	—	
Boring bar/adaptor type									
DIN 1835 B									
Shell mill mount DIN 138	✔		✔		✔	✔	✔		
ScrewFit					✔	✔			
Cylindrical shank					✔				
Cylindrical modular					✔				
Steep taper									
HSK									
NCT									
P Steel					●●		●●		
M Stainless steel					●●		●●		
K Cast iron	●●		●●		●●		●●		
N NF metals					●●		●●		
S Materials with difficult cutting					●●		●●		
H Hard materials	●		●		●		●		
O OtherMax. depth of cut [mm]					●		●		
Indexable inserts									
Number of cutting edges	16 / 4		16 / 4		8 / 8		8 / 8		
Max. depth of cut [mm]	3		3		3 / 4		4		
Page in catalogue									
QR code									
www.walter-tools.com/woc/	M2026		M2025		M5004		F2010		

C2

	45°		45°		45°		45°		45°		45°	
												
	M5009 Xtra·tec® XT		M4003		M3024 Walter BLAXX		F4045 Xtra·tec®		F2010		F2010	
	25–160	*1,000–6,000*	20–160	*0,750–6,000*	40–160	*2,000–6,000*	63–160	—	80–315	—	80–315	—
	✔	✔	✔	✔	✔	✔	✔		✔		✔	
	✔	✔										
			✔	✔								
	●●		●●		●●				●●		●●	
	●●		●●		●●				●●		●●	
	●●		●●		●●		●●		●●		●●	
	●●		●●								●●	
	●●		●●		●●				●●		●●	
	●		●				●				●	
	●		●								●	
												
	8 / 8		4		14 / 14		14 / 14		14 / 14		4	
	5 / 6		4,5 / 6,5		4 / 6		4 / 6		4		6	
	M5009		M4003		M3024		F4045		F2010		F2010	

C2

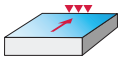
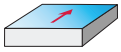
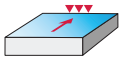
Face milling cutters



Lead angle κ	45°		45°		60°		60°		

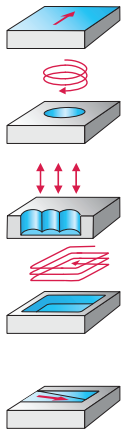
Designation	F2010		F2010		M3016 Walter BLAXX		F2260		
Diameter range [mm] [inch]	80–315	—	80–315	—	*125–315*	—	100–250	—	
Boring bar/adaptor type									
DIN 1835 B									
Shell mill mount DIN 138	✔		✔		✔		✔		
ScrewFit									
Cylindrical shank									
Cylindrical modular									
Steep taper									
HSK									
NCT									
P Steel	●●		●●		●●		●		
M Stainless steel	●●		●		●				
K Cast iron	●●		●●		●●		●●		
N NF metals	●●								
S Materials with difficult cutting	●●				●				
H Hard materials	●				●		●		
O OtherMax. depth of cut [mm]	●								
Indexable inserts									
Number of cutting edges	8 / 8		8		4		4		
Max. depth of cut [mm]	6,5		2		16		11		
Page in catalogue									
QR code									
www.walter-tools.com/woc/	F2010		F2010		M3016		F2260		

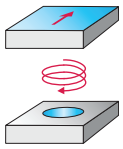
C2

	 		
75°	88°	90°	90°
			
F4047 Xtra·tec®	M5012 Xtra·tec® XT	F2250	F2010
50–160 —	32–160 —	63–100 —	80–315 —
✔	✔	✔	✔
	✔		
●●	●●		●●
●●	●●		●
●●	●●		●●
	●●	●●	
●●	●●		
●	●		●
	●		
			
8 / 8	8 / 8	1 / 1	3
8	8 / 10	3	9
F4047	M5012	F2250	F2010

C2

High-feed milling cutters



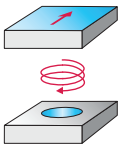
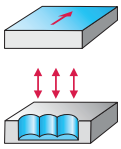


Lead angle κ	15°	15°	15°	15°	

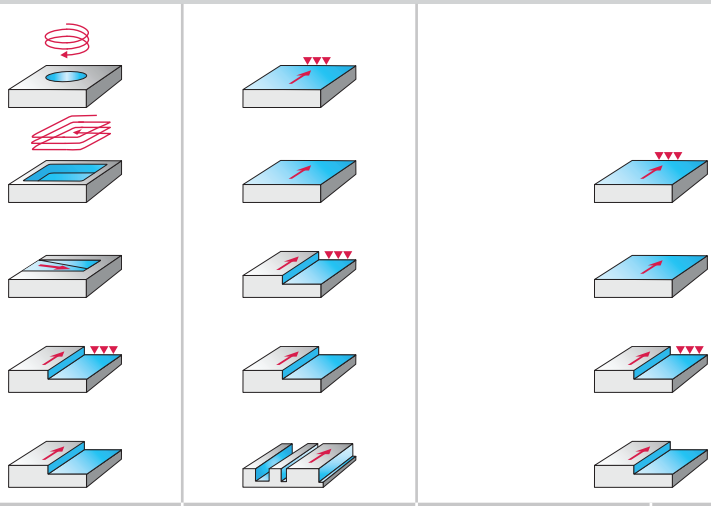
NEW

Designation	M5008 Xtra·tec® XT		M4002		F2330		F2010		
Diameter range [mm] [inch]	10–60,1	*0,394–2,268*	8,09–102,2	*0,291–3,094*	*10–71*	*0,356–3,213*	69,93–304,93	—	
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	●●		●●		●●		●●		
H Hard materials	●●		●				●		
O Other									
Indexable inserts									
Number of cutting edges	4		4 / 4		3		4 / 4		
Max. depth of cut [mm]	1		1 / 1,5 / 2		1 / 1,5 / 2		2		
Page in catalogue									
QR code									
www.walter-tools.com/woc/	M5008		M4002		F2330		F2010		

C2

				
	15°		21°	
				
	F2010		F4030 Xtra·tec®	
	70–305	—	13,4–82	*0,543–3,291*
				✔
	✔		✔	✔
			✔	✔
			✔	✔
	●●		●●	
	●●		●●	
	●●		●●	
	●●		●●	
				
	3		6	
	2		1 / 2	
	F2010		F4030	

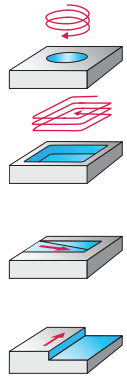
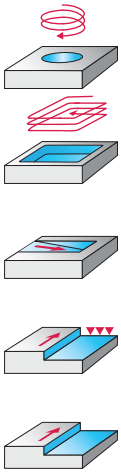
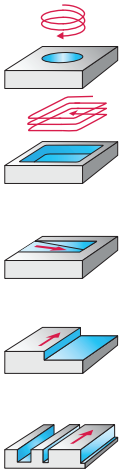
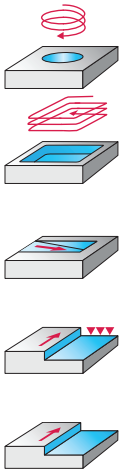
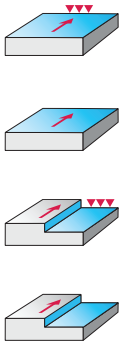
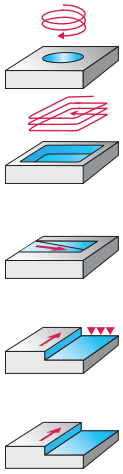
Shoulder milling cutters



Lead angle κ			89,5°		89,5°		89,5°		

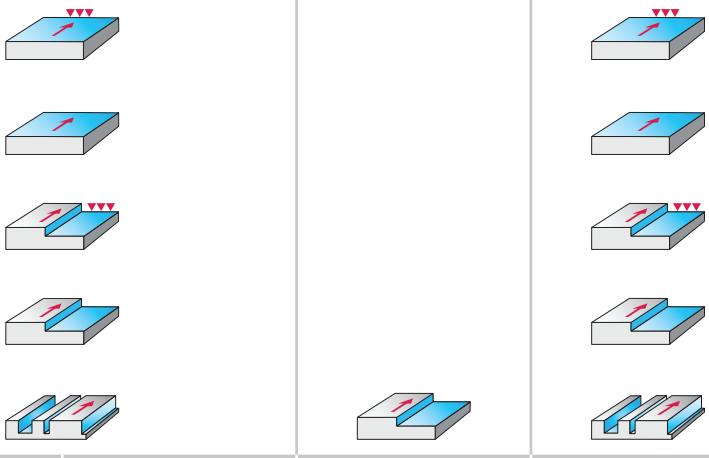
Designation	F4042 Xtra·tec®		M4132		F2010		F2010		
Diameter range [mm] [inch]	—	—	16–125	*0,625–5*	*80–315*	—	80–315	—	
Boring bar/adaptor type									
DIN 1835 B			✔	✔					
Shell mill mount DIN 138			✔	✔	✔		✔		
ScrewFit			✔						
Cylindrical shank									
Cylindrical modular									
Steep taper									
HSK									
NCT									
P Steel	●●		●●		●●		●●		
M Stainless steel	●●		●●		●●		●●		
K Cast iron	●●		●●		●●		●●		
N NF metals	●●		●●		●●		●●		
S Materials with difficult cutting	●●		●●		●●		●●		
H Hard materials	●		●		●		●		
O Other	●		●		●		●		
Indexable inserts									
Number of cutting edges	2		4 / 4		4 / 4		4 / 4		
Max. depth of cut [mm]	—		5,6 / 8,4 / 11,6		11,6		8,4		
Page in catalogue									
QR code									
www.walter-tools.com/woc/	F4042		M4132		F2010		F2010		

C2

												
	90°		90°		90°		90°		90°		90°	
	NEW		Selection									
												
	M5137 Xtra·tec® XT		M5130 Xtra·tec® XT		M4130		M2331		M2136		M2131	
	25–100	*2,000–4,000*	10–160	*0,500–6,000*	16–100	—	32–50	*1,500–2,000*	50–160	*2,000–6,000*	25–80	*1,000–3,000*
	✔		✔	✔	✔							
	✔	✔	✔	✔	✔		✔	✔	✔	✔	✔	✔
			✔	✔				✔			✔	✔
			✔	✔							✔	✔
			✔									
											✔	
	●●		●●		●●							
	●●		●●		●●							
	●●		●●		●●				●●			
			●●				●●				●●	
	●●		●●		●●							
			●									
			●				●				●	
												
	6		2 / 2		2		2		8 / 8		2	
	5 / 8		5 / 9 / 12 / 15		8 / 13 / 16		15 / 20		6,5		15 / 20	
	378		382									
	M5137		M5130		M4130		M2331		M2136		M2131	

C2

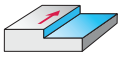
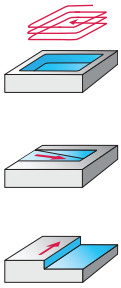
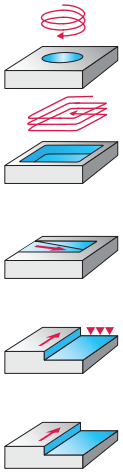
Shoulder milling cutters



Lead angle κ	90°		90°		90°		90°	

Designation	F5241 Walter BLAXX		F5141 Walter BLAXX		F5138 Walter BLAXX		F5041 Walter BLAXX	
Diameter range [mm] [inch]	50–100	—	40–160	*1,500–6,000*	*40–80*	*1,500–3,000*	25–63	*1,000–2,000*
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	●●		●●		●●		●●	
H Hard materials	●		●				●	
O Other	●		●		●		●	
Indexable inserts								
Number of cutting edges	4		4 / 4		4		4 / 4	
Max. depth of cut [mm]	15		12		34 / 45 / 56		8	
Page in catalogue								
QR code								
www.walter-tools.com/woc/	F5241		F5141		F5138		F5041	

C2

90°	90°	90°	90°	90°	90°	

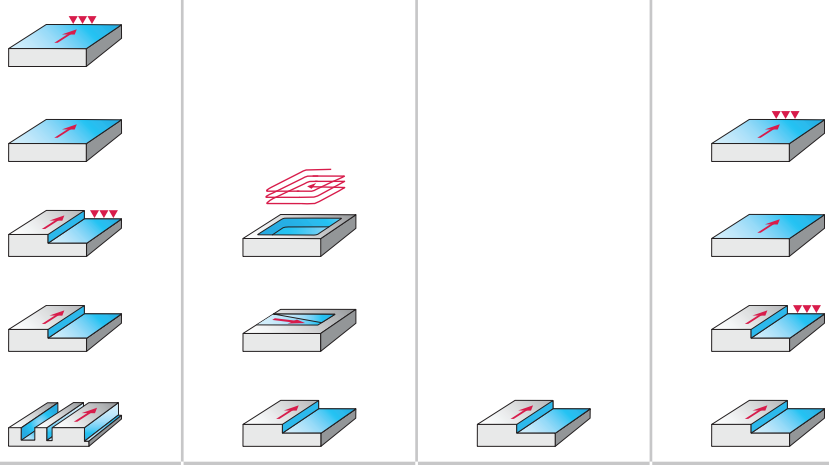





	F5038 Walter BLAXX		F4338 Xtra·tec®		F4238 Xtra·tec®		F4138 Xtra·tec®		F4042 Xtra·tec®		F4042R Xtra·tec®	
	25–40	—	63–80	—	40–85	*1,500–3,000*	32–63	*1,250–2,000*	10–160	*0,500–2,000*	16–63	*0,625–2,000*
	✔					✔	✔	✔	✔	✔	✔	✔
	✔		✔		✔	✔	✔	✔	✔	✔	✔	✔
	✔				✔		✔	✔	✔		✔	✔
									✔	✔	✔	✔
							✔					
					✔		✔					
	●●		●●		●●		●●		●●		●●	
	●●		●●		●●		●●		●●		●●	
	●●		●●		●●		●●		●●		●●	
	●●				●●		●●		●●		●●	
	●●		●●		●●		●●		●●		●●	
									●		●	
	●				●		●		●		●	
											!img//deint251.win.dom.sandvik.com/images/W_MI_ADGT-PER-D67_TTG_P_01.TIF	
	4		2		2		2		2 / 2		2	
	32 / 40		47 / 63 / 78 / 109		29 / 43 / 57 / 71 / 85 / 99		33 / 33 / 42,9 / 43 / 54		8 / 10 / 11,7 / 15 / 16,7		10	
	F5038		F4338		F4238		F4138		F4042		F4042R	

C2

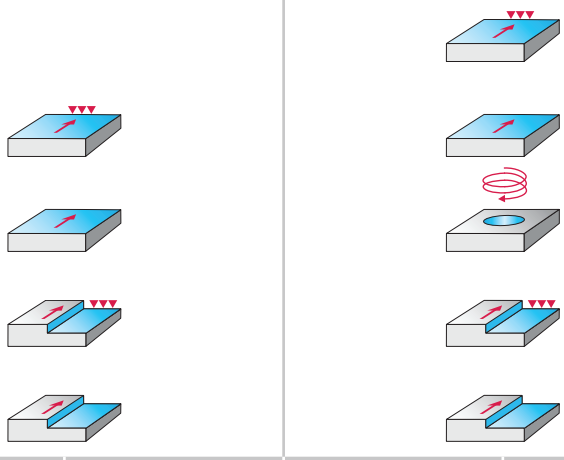
Shoulder milling cutters



Lead angle κ	90°		90°		90°		90°		

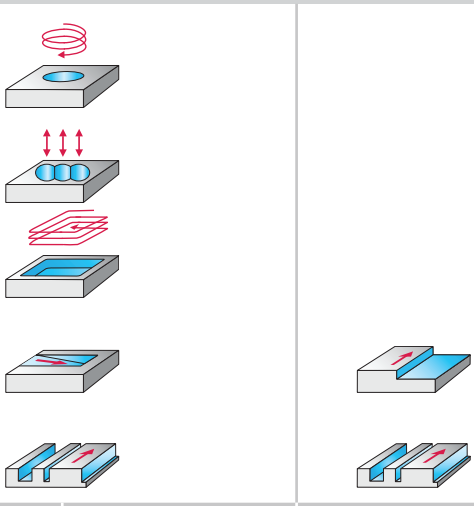
Designation	F4041 Xtra·tec®		F4038 Xtra·tec®		F2338F		F2010		
Diameter range [mm] [inch]	40–160	*1,500–6,000*	20–32	*0,750–1,000*	*63–85*	—	80–315	—	
Boring bar/adaptor type									
DIN 1835 B	✔		✔	✔					
Shell mill mount DIN 138	✔	✔			✔		✔		
ScrewFit	✔	✔	✔						
Cylindrical shank									
Cylindrical modular									
Steep taper									
HSK									
NCT									
P Steel	●●		●●		●●		●●		
M Stainless steel	●●		●●		●		●●		
K Cast iron	●●		●●		●●		●●		
N NF metals	●●		●●				●●		
S Materials with difficult cutting	●●		●●		●		●●		
H Hard materials	●						●		
O Other	●		●				●		
Indexable inserts									
Number of cutting edges	4		2		2 / 2		4 / 4		
Max. depth of cut [mm]	13		22 / 30 / 37		48 / 59 / 70		12		
Page in catalogue									
QR code									
www.walter-tools.com/woc/	F4041		F4038		F2338F		F2010		

C2



90°	90°	90°	90°	
				
F2010	F2010	F2010	F2010	
80–315	—	80–315	—	80–315	—	80–315	—
✔		✔		✔		✔	
●●		●●		●●		●●	
●●		●●		●●		●●	
●●		●●		●●		●●	
●●		●●		●●		●●	
●●		●●		●●		●●	
●		●		●		●	
●		●		●		●	
							
4 / 4		4		2 / 2		2	
8		13		15		11,7	
F2010		F2010		F2010		F2010	

Slot milling cutters



Lead angle κ	90°		90°		90°		90°	

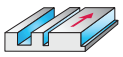
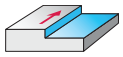
Designation	M4792		M4791		M4258		M4257	
Diameter range [mm] [inch]	17,9–39,9	*0,750–1,500*	—	*0,750–1,750*	*50–100*	*2,000–4,000*	40–63	*1,500–2,500*
Boring bar/adaptor type								
DIN 1835 B	✔	✔		✔			✔	✔
Shell mill mount DIN 138					✔	✔	✔	✔
ScrewFit								
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT								
P Steel	●●		●●		●●		●●	
M Stainless steel	●●		●●		●●		●●	
K Cast iron	●●		●●		●●		●●	
N NF metals			●●					
S Materials with difficult cutting	●●		●●		●●		●●	
H Hard materials			●					
O OtherMax. depth of cut [mm]								
Indexable inserts								
Number of cutting edges	4 / 2		4		4 / 2		4 / 2	
Max. depth of cut [mm]	8,3 / 13,3 / 13,6 / 20,8 / 26,9		5,6 / 8,4 / 11,6		25 / 35 / 52 / 63 / 67 / 77 / 83 / 98 / 118		47 / 54	
Page in catalogue								
QR code								
www.walter-tools.com/woc/	M4792		M4791		M4258		M4257	

C2

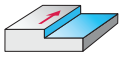
90°	90°	90°	90°	90°	90°	
						
M4256	M3255 Walter BLAXX	F5055 Walter BLAXX	F4253 Xtra·tec®	F4153 Xtra·tec®	F4053 Xtra·tec®	
20–32 / *1,000–1,250*	50–80 / *2,000–3,000*	63–500 / *3,937–6,299*	100–315 / *4,000–8,000*	80–200 / *3,000–6,000*	80–160	—
✔ ✔						
	✔ ✔	✔ ✔	✔ ✔	✔ ✔	✔	
✔						
●●		●●	●●	●●	●●	
●●		●	●●	●●	●●	
●●		●●	●●	●●	●●	
		●●				
●●	●●	●	●●	●●	●●	
						
4 / 2	4 / 4		4	4	4	
27 / 37	46 / 57 / 58 / 68 / 80	—	—	—	—	
M4256	M3255	F5055	F4253	F4153	F4053	

C2

Slot milling cutters

									
Lead angle κ	90°		90°		90°		90°		
									
Designation	F2252		F2252		F2252		F2252		
Diameter range [mm] [inch]	125–200	—	125–200	—	*100–160*	—	125–200	—	
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	●●		●●		●●		●		
H Hard materials									
O OtherMax. depth of cut [mm]	●		●		●		●		
Indexable inserts									
Number of cutting edges	2		2		2		2 / 2		
Max. depth of cut [mm]	—		—		—		—		
Page in catalogue									
QR code									
www.walter-tools.com/woc/	F2252		F2252		F2252		F2252		

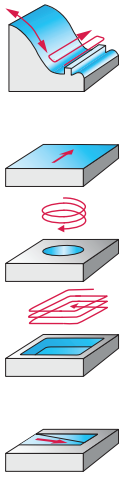
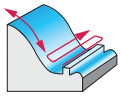
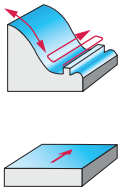
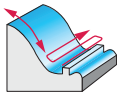
C2



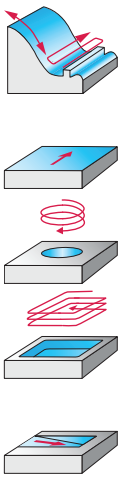
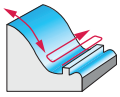
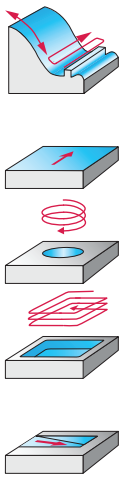
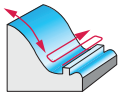
	90°	90°

	F2252		F2252	
	100–160	—	80–160	—
	✔		✔	
	●●		●●	
	●●		●●	
	●●		●●	
	●●		●●	
	●		●	
	●		●	
				
	2 / 2		2	
	—		—	
	F2252		F2252	

Copy milling cutters

									
Lead angle κ									
	NEW		NEW						
									
Designation	M5468 Xtra·tec® XT		M5460 Xtra·tec® XT		M2471		F2339		
Diameter range [mm] [inch]	5–109	*0,606–4,37*	8–32	*0,375–1,000*	*15–51*	*1,525–2,025*	16–50	*0,625–2,000*	
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									
Number of cutting edges	4				8		4 /		
Max. depth of cut [mm]	2,5 / 3,5 / 4 / 5 / 6 / 8 / 10		4 / 5 / 6 / 8 / 10 / 12,5 / 15 / 16		5 / 6		11 / 15 / 20 / 24 / 25 / 28 / 31 / 32 / 40 / 42 / 43 / 57		
Page in catalogue	402		414						
QR code									
www.walter-tools.com/woc/	M5468		M5460		M2471		F2339		

C2

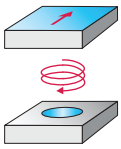










	F2334		F2239		F2234		F2231		F2139		F2139	
	15–140	*0,685–5,000*	20–63	—	8–140	—	5–20	—	8–32	*0,312–1,250*	—	*0,375*
	✔		✔		✔		✔		✔	✔		✔
	✔	✔			✔							
	✔	✔	✔		✔		✔		✔			
	✔	✔							✔	✔		✔
			✔									
			✔									
	●●		●●		●●		●●		●●			
	●●		●		●●		●●		●●			
	●●		●●		●●		●●		●●			
					●●		●●					
	●●		●		●		●		●●			
					●●		●●		●●			
					●		●		●			
	6		3 / 3		4		4					
	4 / 5 / 6 / 8 / 10 / 12		15 / 18 / 20 / 23 / 24 / 25 / 26 / 28 / 32 / 38 / 41 / 46 / 51 / 53 / 77 / 84		3,5 / 4 / 5 / 6 / 8 / 10		2,5 / 4 / 5 / 6 / 8 / 10		4 / 5 / 6 / 8 / 10 / 12,5 / 15 / 16		5	
	F2334		F2239		F2234		F2231		F2139		F2139	

Copy milling cutters

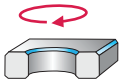


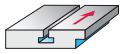
Lead angle κ	90°

Designation	F2010	
Diameter range [mm] [inch]	67,3–302,3	—
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		
Number of cutting edges	6	
Max. depth of cut [mm]	8	
Page in catalogue		
QR code		
www.walter-tools.com/woc/	F2010	

C2

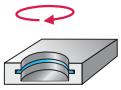
Profiling cutters





Lead angle κ	30°		45°		60°		90°	
								
Designation	M4574		M4574		M4574		M4575	
Diameter range [mm] [inch]	8–20	*0,750*	8–40	*0,500–1,500*	*8–20*	*0,750*	20,5–49,5	*0,778–1,821*
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								
Number of cutting edges	4		4		4		4	
Max. depth of cut [mm]	2,7 / 4		3,5 / 5,5 / 7,5		4,8 / 6,8		—	
Page in catalogue								
QR code								
www.walter-tools.com/woc/	M4574		M4574		M4574		M4575	

C2



90°

F2036	
16–63	—
✔	
✔	
●●	
●●	

2

—

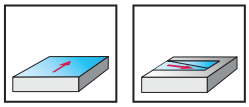
F2036

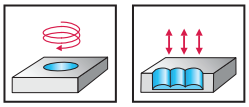
High-feed milling cutter

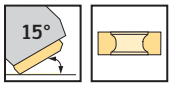
M5008 mm

ENMX08T316R
Xtra·tec® XT

– 4 cutting edges per indexable insert

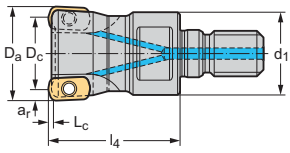






	P	M	K	N	S	H	O
M5008	●●	●●	●●		●●	●●	

Tool



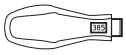
Cylindrical modular

Designation	D_c mm	D_a mm	d_1 mm	l_4 mm	L_c mm	a_r mm	Z	kg	No. of inserts	Type
M5008-016-TC08-02-01	10,1	16	M8	25	1	2,9	2	0,03	2	ENMX08T316R
M5008-020-TC10-03-01	14,1	20	M10	30	1	2,9	3	0,04	3	
M5008-020-TC10-04-01	14,1	20	M10	30	1	2,9	4	0,04	4	
M5008-025-TC12-04-01	19,1	25	M12	35	1	2,9	4	0,08	4	
M5008-025-TC12-05-01	19,1	25	M12	35	1	2,9	5	0,08	5	
M5008-030-TC16-04-01	24,1	30	M16	40	1	2,9	4	0,16	4	
M5008-030-TC16-05-01	24,1	30	M16	40	1	2,9	5	0,16	5	
M5008-032-TC16-05-01	26,1	32	M16	40	1	2,9	5	0,17	5	
M5008-032-TC16-06-01	26,1	32	M16	40	1	2,9	6	0,17	6	
M5008-035-TC16-05-01	29,1	35	M16	40	1	2,9	5	0,19	5	
M5008-035-TC16-06-01	29,1	35	M16	40	1	2,9	6	0,2	6	
★ M5008-040-TC16-06-01	34,1	40	M16	40	1	2,9	6	0,22	6	
★ M5008-040-TC16-08-01	34,1	40	M16	40	1	2,9	8	0,23	8	
★ M5008-042-TC16-06-01	36,1	42	M16	40	1	2,9	6	0,24	6	
★ M5008-042-TC16-08-01	36,1	42	M16	40	1	2,9	8	0,25	8	

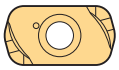
Bodies and assembly parts are included in the scope of delivery

C2

Assembly parts	D_c [mm]	10,1–36,1
	Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 1,2 Nm

Accessories	D_c [mm]	10,1–36,1
	Torque screwdriver, analogue	FS2001
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2012 (T8IP)
	Screwdriver	FS1483 (T8IP)

Indexable inserts

	Designation	r mm	P HC	M HC				K HC				S HC				H HC
			WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X	WSP45G	WSP45S	WHH15X
	ENMX08T316R-D27	1,6	☹	☺		☹	☹	☺	☺	☹	☹	☺		☹	☹	☻
	ENMX08T316R-F47	1,6	☹	☺	☹	☹	☹	☺	☺	☹	☹	☺	☹	☹	☹	

HC = Coated carbide

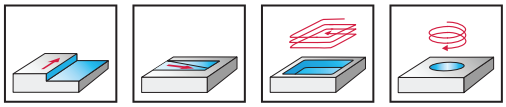
C2

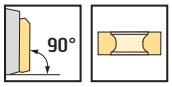
Shoulder milling cutters

M5137 mm

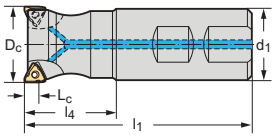
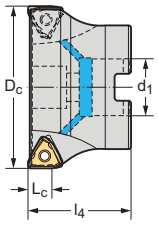
TNMU11T304R
Xtra·tec® XT

– 6 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5137	●●	●●	●●		●●		

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 DIN 1835 B	★ M5137-025-W25-03-05	25	25	40	96	5	3	0,3	3	TNMU11T304R
	★ M5137-032-W32-04-05	32	32	40	101	5	4	0,53	4	
	★ M5137-032-W32-05-05	32	32	40	101	5	5	0,53	5	
 Shell mill mount DIN 138 transverse keyway	★ M5137-040-B16-05-05	40	16	40		5	5	0,19	5	TNMU11T304R
	★ M5137-040-B16-06-05	40	16	40		5	6	0,19	6	
	★ M5137-050-B22-06-05	50	22	40		5	6	0,29	6	
	★ M5137-050-B22-08-05	50	22	40		5	8	0,29	8	
	★ M5137-063-B22-07-05	63	22	40		5	7	0,48	7	
	★ M5137-063-B22-09-05	63	22	40		5	9	0,48	9	

Bodies and assembly parts are included in the scope of delivery

C2

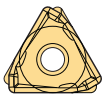
Assembly parts

	D_c [mm]	25–63
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,9 Nm

Accessories

	D_c [mm]	25–63
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)

Indexable inserts

	Designation	r mm	b mm	P HC WSP45G	M HC WSP45G	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSP45G
	TNMU11T304R-G57	0,4	1	●	●	●	●	●	●

HC = Coated carbide

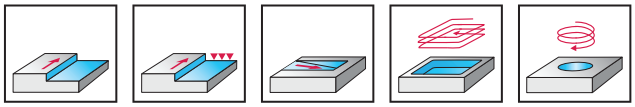
C2

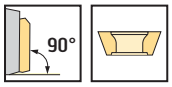
Shoulder milling cutters

M5130 mm

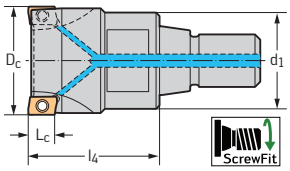
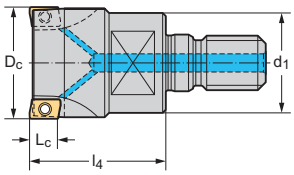
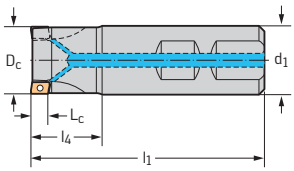
AC .. 0602 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 ScrewFit	M5130-010-T09-02-05	10	T09	20		5	2	0,02	2	AC .. 0602 .. R
	M5130-012-T09-03-05	12	T09	20		5	3	0,02	3	
	M5130-016-T14-03-05	16	T14	25		5	3	0,04	3	
	M5130-016-T14-04-05	16	T14	25		5	4	0,03	4	
	M5130-020-T18-04-05	20	T18	25		5	4	0,05	4	
	M5130-020-T18-05-05	20	T18	25		5	5	0,05	5	
	M5130-025-T22-05-05	25	T22	30		5	5	0,1	5	
	M5130-025-T22-07-05	25	T22	30		5	7	0,1	7	
	M5130-032-T28-06-05	32	T28	35		5	6	0,19	6	
	M5130-032-T28-08-05	32	T28	35		5	8	0,2	8	
	M5130-040-T36-07-05	40	T36	35		5	7	0,34	7	
	M5130-040-T36-10-05	40	T36	35		5	10	0,35	10	
 Cylindrical modular	M5130-010-TC06-02-05	10	M6	20		5	2	0,01	2	AC .. 0602 .. R
	M5130-012-TC06-03-05	12	M6	20		5	3	0,01	3	
	M5130-016-TC08-03-05	16	M8	25		5	3	0,03	3	
	M5130-016-TC08-04-05	16	M8	25		5	4	0,03	4	
	M5130-020-TC10-04-05	20	M10	25		5	4	0,05	4	
	M5130-020-TC10-05-05	20	M10	25		5	5	0,05	5	
	M5130-025-TC12-05-05	25	M12	30		5	5	0,1	5	
	M5130-025-TC12-07-05	25	M12	30		5	7	0,1	7	
	M5130-032-TC16-06-05	32	M16	35		5	6	0,19	6	
	M5130-032-TC16-08-05	32	M16	35		5	8	0,2	8	
	M5130-040-TC16-07-05	40	M16	35		5	7	0,24	7	
	M5130-040-TC16-10-05	40	M16	35		5	10	0,27	10	
 DIN 1835 B	M5130-010-W10-02-05	10	10	16	60	5	2	0,03	2	AC .. 0602 .. R
	M5130-010-W16-02-05	10	16	30	80	5	2	0,09	2	
	M5130-012-W12-03-05	12	12	19	65	5	3	0,05	3	
	M5130-012-W16-03-05	12	16	30	80	5	3	0,09	3	
	M5130-016-W16-03-05	16	16	21	70	5	3	0,09	3	
	M5130-016-W16-04-05	16	16	21	70	5	4	0,11	4	
	M5130-020-W20-04-05	20	20	24	75	5	4	0,16	4	
	M5130-020-W20-05-05	20	20	24	75	5	5	0,16	5	
	M5130-025-W25-05-05	25	25	26	85	5	5	0,29	5	
	M5130-025-W25-07-05	25	25	26	85	5	7	0,29	7	

Bodies and assembly parts are included in the scope of delivery

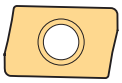
Assembly parts

	D_c [mm]	10–63
	Clamping screw for indexable insert Tightening torque	FS2560 (T6IP) 0,5 Nm

Accessories

	D_c [mm]	10–63
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	SD2001-6IP (T6IP)
	Screwdriver	SD1001-6IP (T6IP)

Indexable inserts

	Designation	r mm	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSP45G	S HC WSP45S
	ACGT060204R-G65	0,4	0,9	😡	😠	😐	😡	😠			😐	😠	😠			😐	😡	😠
	ACGT060204R-M85	0,4	0,9											😊	😐			
	ACMT060202R-G55	0,2	1		😠		😠	😠				😠	😠				😠	😠
	ACMT060204R-G55	0,4	0,9		😠	😐	😠	😠	😊	😐	😐	😠	😠			😐	😠	😠
	ACMT060204R-K55	0,4	0,9	😐	😐	😊	😐	😐				😐	😐			😊	😐	😐
	ACMT060208R-G55	0,8	0,8	😠	😠		😠	😠				😠	😠				😠	😠
	ACMT060212R-G55	1,2	0,6	😠	😠		😠	😠				😠	😠				😠	😠
	ACMT060216R-G55	1,6	0,1		😠		😠	😠				😠	😠				😠	😠

HC = Coated carbide
HW = Uncoated carbide

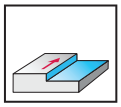
C2

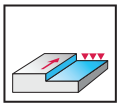
Shoulder milling cutters

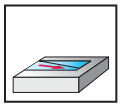
M5130 mm

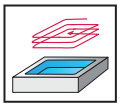
AC .. 0602 .. R
Xtra·tec® XT

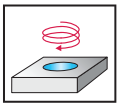
– 2 cutting edges per indexable insert



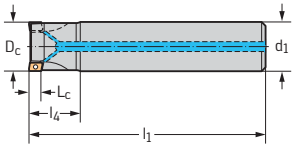
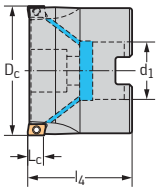








	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 Cylindrical shank	M5130-010-A10-02-05	10	10	16	60	5	2	0,03	2	AC .. 0602 .. R
	M5130-010-A16-02-05	10	16	30	80	5	2	0,1	2	
	M5130-012-A12-03-05	12	12	19	70	5	3	0,05	3	
	M5130-012-A16-03-05	12	16	30	80	5	3	0,09	3	
	M5130-014-A16-03-05	14	16	30	80	5	3	0,06	3	
	M5130-016-A16-03-05	16	16	21	90	5	3	0,12	3	
	M5130-016-A16-04-05	16	16	21	90	5	4	0,13	4	
	M5130-018-A16-03-05	18	16	21	90	5	3	0,13	3	
	M5130-020-A20-04-05	20	20	24	110	5	4	0,24	4	
	M5130-020-A20-05-05	20	20	24	110	5	5	0,24	5	
	M5130-022-A20-04-05	22	20	24	110	5	4	0,25	4	
	M5130-025-A25-05-05	25	25	26	120	5	5	0,42	5	
	M5130-025-A25-07-05	25	25	26	120	5	7	0,42	7	
 Shell mill mount DIN 138 transverse keyway	M5130-032-B16-06-05	32	16	40		5	6	0,14	6	AC .. 0602 .. R
	M5130-032-B16-08-05	32	16	40		5	8	0,14	8	
	M5130-040-B16-07-05	40	16	40		5	7	0,27	7	
	M5130-040-B16-10-05	40	16	40		5	10	0,27	10	
	M5130-050-B22-09-05	50	22	40		5	9	0,42	9	
	M5130-050-B22-12-05	50	22	40		5	12	0,42	12	
	M5130-063-B22-11-05	63	22	40		5	11	0,54	11	
	M5130-063-B22-14-05	63	22	40		5	14	0,54	14	

Bodies and assembly parts are included in the scope of delivery

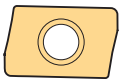
Assembly parts

	D_c [mm]	10–63
	Clamping screw for indexable insert Tightening torque	FS2560 (T6IP) 0,5 Nm

Accessories

	D_c [mm]	10–63
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	SD2001-6IP (T6IP)
	Screwdriver	SD1001-6IP (T6IP)

Indexable inserts

	Designation	r mm	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSP45G	S HC WSP45S
	ACGT060204R-G65	0,4	0,9	☹	☠	😐	☹	☠			😐	☠	☠			😐	☹	☠
	ACGT060204R-M85	0,4	0,9											☺	😐			
	ACMT060202R-G55	0,2	1		☠		☠	☠				☠	☠				☠	☠
	ACMT060204R-G55	0,4	0,9		☠	😐	☠	☠	☺	😐	😐	☠	☠			😐	☠	☠
	ACMT060204R-K55	0,4	0,9	😐	😐	☺	☹	😐				😐	😐			☺	😐	😐
	ACMT060208R-G55	0,8	0,8	☠	☠		☠	☠				☠	☠				☠	☠
	ACMT060212R-G55	1,2	0,6	☠	☠		☠	☠				☠	☠				☠	☠
	ACMT060216R-G55	1,6	0,1		☠		☠	☠				☠	☠				☠	☠

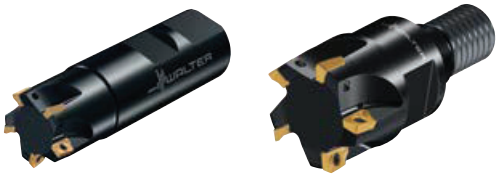
HC = Coated carbide
HW = Uncoated carbide

C2

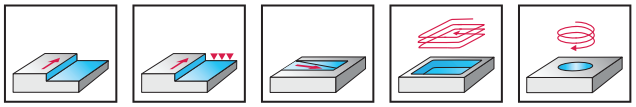
Shoulder milling cutters

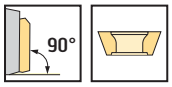
M5130 inch

AC .. 0602 .. R
Xtra·tec® XT

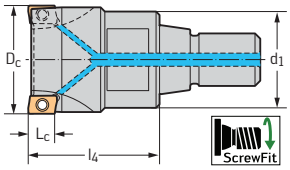
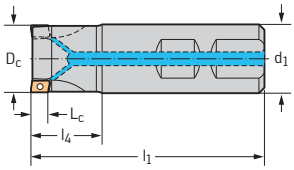
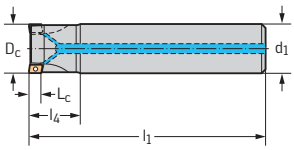
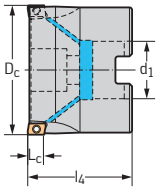


– 2 cutting edges per indexable insert





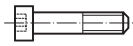
	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c inch	d_1 inch	l_4 inch	l_1 inch	L_c inch	Z	lbs	No. of inserts	Type
 ScrewFit	M5130.013-T09-03-05	0,500	T09	0,787		0,197	3	0,001	3	AC .. 0602 .. R
	M5130.015-T14-03-05	0,625	T14	0,984		0,197	3	0,001	3	
	M5130.015-T14-04-05	0,625	T14	0,984		0,197	4	0,002	4	
	M5130.019-T18-04-05	0,750	T18	0,984		0,197	4	0,002	4	
	M5130.019-T18-05-05	0,750	T18	0,984		0,197	5	0,002	5	
	M5130.026-T22-05-05	1,000	T22	1,181		0,197	5	0,004	5	
	M5130.026-T22-07-05	1,000	T22	1,181		0,197	7	0,004	7	
	M5130.031-T28-06-05	1,250	T28	1,378		0,197	6	0,008	6	
	M5130.031-T28-08-05	1,250	T28	1,378		0,197	8	0,008	8	
	M5130.038-T36-07-05	1,500	T36	1,378		0,197	7	0,014	7	
	M5130.038-T36-10-05	1,500	T36	1,378		0,197	10	0,014	10	
 DIN 1835 B	M5130.013-W13-03-05	0,500	0,500	0,700	2,281	0,197	3	0,002	3	AC .. 0602 .. R
	M5130.015-W15-03-05	0,625	0,625	0,750	2,656	0,197	3	0,004	3	
	M5130.015-W15-04-05	0,625	0,625	0,750	2,656	0,197	4	0,004	4	
	M5130.019-W19-04-05	0,750	0,750	0,945	2,781	0,197	4	0,005	4	
	M5130.019-W19-05-05	0,750	0,750	0,945	2,781	0,197	5	0,005	5	
	M5130.026-W26-05-05	1,000	1,000	1,000	3,281	0,197	5	0,011	5	
	M5130.026-W26-07-05	1,000	1,000	1,000	3,281	0,197	7	0,011	7	
 Cylindrical shank	M5130.013-A13-03-05	0,500	0,500	0,750	2,531	0,197	3	0,002	3	AC .. 0602 .. R
	M5130.015-A15-03-05	0,625	0,625	0,750	3,566	0,197	3	0,005	3	
	M5130.015-A15-04-05	0,625	0,625	0,750	3,566	0,197	4	0,005	4	
	M5130.019-A19-04-05	0,750	0,750	1,000	4,250	0,197	4	0,008	4	
	M5130.019-A19-05-05	0,750	0,750	1,000	4,250	0,197	5	0,008	5	
	M5130.026-A26-05-05	1,000	1,000	1,000	4,750	0,197	5	0,017	5	
	M5130.026-A26-07-05	1,000	1,000	1,000	4,750	0,197	7	0,017	7	
 Shell mill mount DIN 138 transverse keyway	M5130.051-B19-09-05	2,000	0,750	1,575		0,197	9	0,016	9	AC .. 0602 .. R
	M5130.051-B19-12-05	2,000	0,750	1,575		0,197	12	0,016	12	
	M5130.064-B26-11-05	2,500	1,000	1,575		0,197	11	0,026	11	
	M5130.064-B26-14-05	2,500	1,000	1,575		0,197	14	0,026	14	

Bodies and assembly parts are included in the scope of delivery

C2

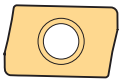
Assembly parts

	D_c [mm]	0,5–1,5	2	2,5
	Clamping screw for indexable insert Tightening torque	FS2560 (T6IP) 0,5 Nm	FS2560 (T6IP) 0,5 Nm	FS2560 (T6IP) 0,5 Nm
	Clamping screw for arbour-mounted tools		FS1518	FS1519

Accessories

	D_c [mm]	0,5–2,5
	Torque screwdriver, analogue	FS2002
	Interchangeable blade	SD2001-6IP (T6IP)
	Screwdriver	SD1001-6IP (T6IP)

Indexable inserts

	Designation	r mm	b mm	P HC		M HC			K HC					N HC	N HW	S HC		
				WSP45G	WSP45S	WSM35S	WSP45G	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45G	WSP45S
	ACGT060204R-G65	0,4	0,9	☹	☠	😐	☹	☠			😐	☠	☠			😐	☹	☠
	ACGT060204R-M85	0,4	0,9											☺	😐			
	ACMT060202R-G55	0,2	1		☠		☠	☠				☠	☠				☠	☠
	ACMT060204R-G55	0,4	0,9		☠	😐	☠	☠	☺	😐	😐	☠	☠			😐	☠	☠
	ACMT060204R-K55	0,4	0,9	😐	😐	☺	😐	😐				😐	😐			☺	😐	😐
	ACMT060208R-G55	0,8	0,8	☠	☠		☠	☠				☠	☠				☠	☠
	ACMT060212R-G55	1,2	0,6	☠	☠		☠	☠				☠	☠				☠	☠
	ACMT060216R-G55	1,6	0,1		☠		☠	☠				☠	☠				☠	☠

HC = Coated carbide
HW = Uncoated carbide

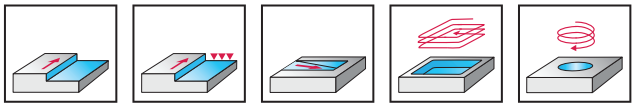
C2

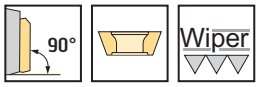
Shoulder milling cutters

M5130 mm

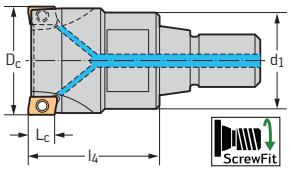
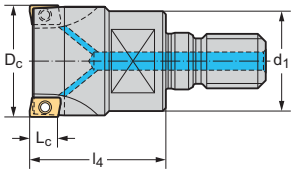
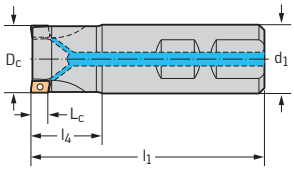
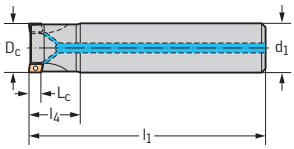
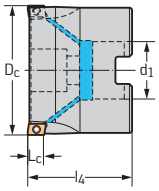
BC .. 0903 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

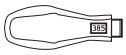
Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 ScrewFit	M5130-016-T14-02-09	16	T14	25		9	2	0,03	2	BC .. 0903 .. R
	M5130-020-T18-02-09	20	T18	30		9	2	0,05	2	
	M5130-020-T18-03-09	20	T18	30		9	3	0,05	3	
	M5130-025-T22-03-09	25	T22	35		9	3	0,09	3	
	M5130-025-T22-04-09	25	T22	35		9	4	0,09	4	
	M5130-032-T28-04-09	32	T28	40		9	4	0,18	4	
	M5130-032-T28-05-09	32	T28	40		9	5	0,19	5	
 Cylindrical modular	M5130-016-TC08-02-09	16	M8	25		9	2	0,03	2	BC .. 0903 .. R
	M5130-020-TC10-02-09	20	M10	30		9	2	0,05	2	
	M5130-020-TC10-03-09	20	M10	30		9	3	0,05	3	
	M5130-025-TC12-03-09	25	M12	35		9	3	0,09	3	
	M5130-025-TC12-04-09	25	M12	35		9	4	0,09	4	
	M5130-032-TC16-04-09	32	M16	40		9	4	0,17	4	
	M5130-032-TC16-05-09	32	M16	40		9	5	0,18	5	
 DIN 1835 B	M5130-016-W16-02-09	16	16	41	90	9	2	0,12	2	BC .. 0903 .. R
	M5130-020-W20-03-09	20	20	39	90	9	3	0,18	3	
	M5130-025-W25-04-09	25	25	43	100	9	4	0,31	4	
	M5130-032-W32-05-09	32	32	49	110	9	5	0,57	5	
 Cylindrical shank	M5130-016-A16-02-09	16	16	41	180	9	2	0,25	2	BC .. 0903 .. R
	M5130-018-A16-02-09	18	16	41	180	9	2	0,26	2	
	M5130-020-A20-02-09	20	20	39	200	9	2	0,44	2	
	M5130-020-A20-03-09	20	20	39	200	9	3	0,44	3	
	M5130-022-A20-03-09	22	20	39	200	9	3	0,44	3	
	M5130-025-A25-03-09	25	25	43	200	9	3	0,68	3	
	M5130-025-A25-04-09	25	25	43	200	9	4	0,68	4	
 Shell mill mount DIN 138 transverse keyway	M5130-032-B16-03-09	32	16	40		9	3	0,12	3	BC .. 0903 .. R
	M5130-032-B16-06-09	32	16	40		9	6	0,12	6	
	M5130-040-B16-04-09	40	16	40		9	4	0,19	4	
	M5130-040-B16-07-09	40	16	40		9	7	0,21	7	
	M5130-050-B22-05-09	50	22	40		9	5	0,32	5	
	M5130-050-B22-08-09	50	22	40		9	8	0,34	8	
	M5130-063-B22-07-09	63	22	40		9	7	0,5	7	
	M5130-063-B22-11-09	63	22	40		9	11	0,51	11	

Bodies and assembly parts are included in the scope of delivery

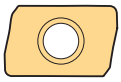
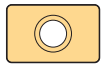
Assembly parts

	D_c [mm]	16–63
	Clamping screw for indexable insert Tightening torque	FS2576 (T8IP) 1,2 Nm

Accessories

	D_c [mm]	16–63
	Torque screwdriver, analogue	FS2001
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2012 (T8IP)
	Screwdriver	FS1483 (T8IP)

Indexable inserts

	Designation	r mm	b mm	P HC	M HC			K HC							N HC	N HW	S HC			H HC
				WSP45G	WSM35S	WSM45X	WSP45G	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WHH15X
	BCGT090304R-G55	0,4	1,2	☹	☺		☹	☻			☺	☹	☹				☺		☹	
	BCGT090304R-K85	0,4	1,2												☻	☺				
	BCMT090302R-G55	0,2	1,4	☹			☹					☹	☹						☹	
	BCMT090304R-F55	0,4	1,2	☹		☹	☹	☻		☺	☺	☹	☹					☹	☹	
	BCMT090304R-G55	0,4	1,2		☺	☹	☹	☻		☺	☺	☹	☹				☺	☹	☹	
	BCMT090304R-K55	0,4	1,2	☺	☻		☺					☺	☺				☻		☺	
	BCMT090308R-G55	0,8	0,8			☹	☹					☹	☹					☹	☹	
	BCMT090312R-G55	1,2	0,4				☹					☹	☹						☹	
	BCMT090316R-G55	1,6	0,4	☹		☹	☹					☹	☹					☹	☹	
	BCMT090320R-G55	2	0,4	☹		☹	☹					☹	☹					☹	☹	
	BCMT090330R-G55	3	0,4			☹												☹		
	BCGX0903PDR-G55	0,4	5					☻	☻					☻						☻

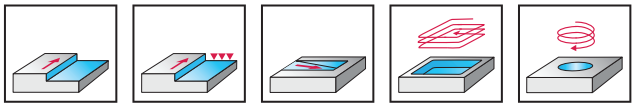
HC = Coated carbide
HW = Uncoated carbide

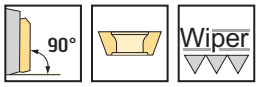
Shoulder milling cutters

M5130 inch

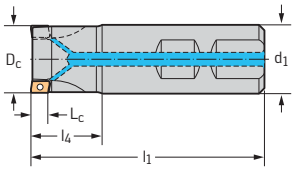
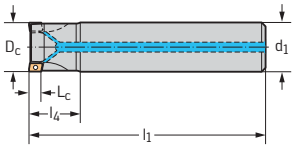
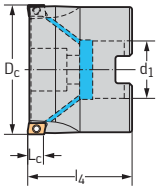
BC .. 0903 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





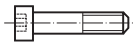
	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c inch	d_1 inch	l_4 inch	l_1 inch	L_c inch	Z	lbs	No. of inserts	Type
 DIN 1835 B	M5130.015-W15-02-09	0,625	0,625	0,945	2,851	0,354	2	0,004	2	BC .. 0903 .. R
	M5130.019-W19-03-09	0,750	0,750	1,535	3,567	0,354	3	0,006	3	
	M5130.026-W26-03-09	1,000	1,000	1,181	3,462	0,354	3	0,011	3	
	M5130.026-W26-04-09	1,000	1,000	1,181	3,462	0,354	4	0,011	4	
 Cylindrical shank	M5130.015-A15-02-09	0,625	0,625	1,630	7,000	0,354	2	0,010	2	BC .. 0903 .. R
	M5130.019-A19-02-09	0,750	0,750	1,630	8,000	0,354	2	0,015	2	
	M5130.026-A26-03-09	1,000	1,000	1,750	8,000	0,354	3	0,028	3	
 Shell mill mount DIN 138 transverse keyway	M5130.051-B19-05-09	2,000	0,750	1,575		0,354	5	0,014	5	BC .. 0903 .. R
	M5130.051-B19-08-09	2,000	0,750	1,575		0,354	8	0,014	8	

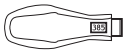
Bodies and assembly parts are included in the scope of delivery

C2

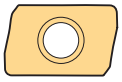
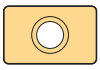
Assembly parts

	D_c [mm]	0,62–1	2
	Clamping screw for indexable insert Tightening torque	FS2576 (T8IP) 1,2 Nm	FS2576 (T8IP) 1,2 Nm
	Clamping screw for arbour-mounted tools		FS1523

Accessories

	D_c [mm]	0,62–2
	Torque screwdriver, analogue	FS2002
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2012 (T8IP)
	Screwdriver	FS1483 (T8IP)

Indexable inserts

	Designation	r mm	b mm	P HC	M HC			K HC							N HC	N HW	S HC			H HC
				WSP45G	WSM35S	WSM45X	WSP45G	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WHH15X
	BCGT090304R-G55	0,4	1,2	☹	☺		☹	☻			☺	☹	☹				☺		☹	
	BCGT090304R-K85	0,4	1,2												☻	☺				
	BCMT090302R-G55	0,2	1,4	☹			☹					☹	☹						☹	
	BCMT090304R-F55	0,4	1,2	☹		☹	☹	☻		☺	☺	☹	☹					☹	☹	
	BCMT090304R-G55	0,4	1,2		☺	☹	☹	☻		☺	☺	☹	☹				☺	☹	☹	
	BCMT090304R-K55	0,4	1,2	☺	☻		☺					☺	☺				☻		☺	
	BCMT090308R-G55	0,8	0,8			☹	☹					☹	☹					☹	☹	
	BCMT090312R-G55	1,2	0,4				☹					☹	☹						☹	
	BCMT090316R-G55	1,6	0,4	☹		☹	☹					☹	☹					☹	☹	
	BCMT090320R-G55	2	0,4	☹		☹	☹					☹	☹					☹	☹	
	BCMT090330R-G55	3	0,4			☹												☹		
	BCGX0903PDR-G55	0,4	5					☻	☻					☻						☻

HC = Coated carbide
HW = Uncoated carbide

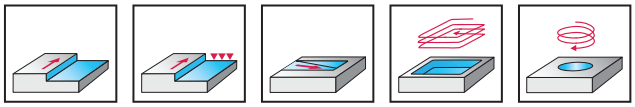
C2

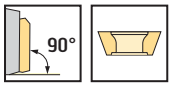
Shoulder milling cutters

M5130 mm

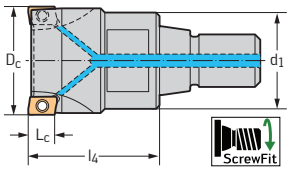
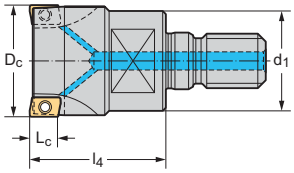
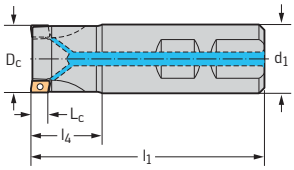
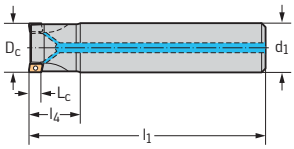
BC .. 1204 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 ScrewFit	M5130-025-T22-03-12	25	T22	35		12	3	0,09	3	BC .. 1204 .. R
	M5130-032-T28-03-12	32	T28	40		12	3	0,17	3	
	M5130-032-T28-04-12	32	T28	40		12	4	0,18	4	
	M5130-040-T36-03-12	40	T36	40		12	3	0,31	3	
	M5130-040-T36-06-12	40	T36	40		12	6	0,32	6	
 Cylindrical modular	M5130-025-TC12-03-12	25	M12	35		12	3	0,08	3	BC .. 1204 .. R
	M5130-032-TC16-03-12	32	M16	40		12	3	0,16	3	
	M5130-032-TC16-04-12	32	M16	40		12	4	0,17	4	
	M5130-040-TC16-03-12	40	M16	40		12	3	0,21	3	
	M5130-040-TC16-06-12	40	M16	40		12	6	0,22	6	
 DIN 1835 B	M5130-025-W25-03-12	25	25	43	100	12	3	0,3	3	BC .. 1204 .. R
	M5130-032-W32-03-12	32	32	49	110	12	3	0,53	3	
	M5130-032-W32-04-12	32	32	49	110	12	4	0,54	4	
	M5130-040-W32-06-12	40	32	49	110	12	6	0,65	6	
 Cylindrical shank	M5130-022-A20-02-12	22	20	38	200	12	2	0,45	2	BC .. 1204 .. R
	M5130-025-A25-02-12	25	25	38	200	12	2	0,69	2	
	M5130-025-A25-03-12	25	25	38	200	12	3	0,68	3	
	M5130-032-A32-03-12	32	32	39	250	12	3	1,4	3	
	M5130-032-A32-04-12	32	32	39	250	12	4	1,42	4	
	M5130-040-A32-05-12	40	32	44	250	12	5	1,51	5	
	M5130-040-A40-04-12	40	40	44	250	12	4	2,25	4	

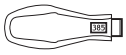
Bodies and assembly parts are included in the scope of delivery

C2

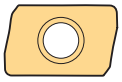
Assembly parts

	D_c [mm]	22–80
	Clamping screw for indexable insert Tightening torque	FS2573 (T9IP) 2 Nm

Accessories

	D_c [mm]	22–80
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2013 (T9IP)
	Screwdriver	FS1484 (T9IP)

Indexable inserts

	Designation	r mm	b mm	P HC		M HC				K HC					N HC	N HW	S HC			
				WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
	BCGT120408R-G55	0,8	1,3	++		+		++	++	+		+	++	++			+		++	++
	BCHT120404R-K85	0,4	1,7												−	−				
	BCHT120408R-K85	0,8	1,3												+	+				
	BCHT120412R-K85	1,2	1,2												+	+				
	BCHT120416R-K85	1,6	1,1												+	+				
	BCHT120420R-K85	2	1,2												+	+				
	BCHT120425R-K85	2,5	1												+	+				
	BCHT120430R-K85	3	0,7												+	+				
	BCHT120440R-K85	4	0,4												+	+				
	BCMT120404R-G55	0,4	1,3	++	++			++	++				++	++					++	++
	BCMT120408R-F55	0,8	1,3	−	++			−	++	+	+	+	++	++					−	++
	BCMT120408R-G55	0,8	1,3		++	+	++	++	++	+	+	+	++	++			+	++	++	++
	BCMT120408R-K55	0,8	1,3	+	+	+		+	+				+	+			+		+	+
	BCMT120412R-G55	1,2	1,2	++	++		−	++	++				++	++				−	++	++
	BCMT120416R-G55	1,6	1,1	++	++		−	++	++				++	++				−	++	++
	BCMT120420R-G55	2	1,2	++			−	++	++				++	++				−	++	++
	BCMT120425R-G55	2,5	1	−				−	++				++	++					−	++
	BCMT120430R-G55	3	0,7		++		−	++	++				++	++				−	++	++
	BCMT120432R-G55	3,2	0,5					++	++				++	++					++	++
	BCMT120440R-G55	4	0,4	++			−	++	++				++	++				−	++	++

If the corner radius r = 2.5 mm or above, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm

HC = Coated carbide
HW = Uncoated carbide

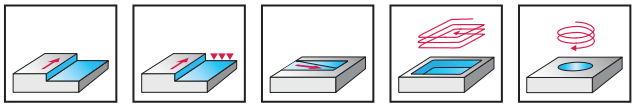
C2

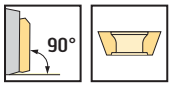
Shoulder milling cutters

M5130 mm

BC .. 1204 .. R
Xtra·tec® XT

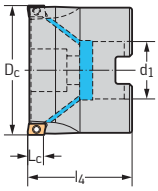
– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool



Shell mill mount DIN 138 transverse keyway

Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
M5130-040-B16-03-12	40	16	40		12	3	0,17	3	BC .. 1204 .. R
M5130-040-B16-04-12	40	16	40		12	4	0,18	4	
M5130-040-B16-06-12	40	16	40		12	6	0,19	6	
M5130-050-B22-03-12	50	22	40		12	3	0,32	3	
M5130-050-B22-04-12	50	22	40		12	4	0,29	4	
M5130-050-B22-07-12	50	22	40		12	7	0,31	7	
M5130-063-B22-04-12	63	22	40		12	4	0,45	4	
M5130-063-B22-05-12	63	22	40		12	5	0,47	5	
M5130-063-B22-08-12	63	22	40		12	8	0,5	8	
M5130-063-B27-04-12	63	27	50		12	4	0,66	4	
M5130-063-B27-05-12	63	27	50		12	5	0,67	5	
M5130-063-B27-08-12	63	27	50		12	8	0,71	8	
M5130-080-B27-05-12	80	27	50		12	5	0,91	5	
M5130-080-B27-06-12	80	27	50		12	6	0,94	6	
M5130-080-B27-09-12	80	27	50		12	9	1	9	

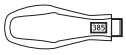
Bodies and assembly parts are included in the scope of delivery

C2

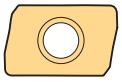
Assembly parts

	D_c [mm]	22–80
	Clamping screw for indexable insert Tightening torque	FS2573 (T9IP) 2 Nm

Accessories

	D_c [mm]	22–80
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2013 (T9IP)
	Screwdriver	FS1484 (T9IP)

Indexable inserts

	Designation	r mm	b mm	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	BCGT120408R-G55	0,8	1,3	☹		😐		☹	☹	☺		😐	☹	☹			😐		☹	☹
	BCHT120404R-K85	0,4	1,7												☺	😐				
	BCHT120408R-K85	0,8	1,3												☺	😐				
	BCHT120412R-K85	1,2	1,2												☺	😐				
	BCHT120416R-K85	1,6	1,1												☺	😐				
	BCHT120420R-K85	2	1,2												☺	😐				
	BCHT120425R-K85	2,5	1												☺	😐				
	BCHT120430R-K85	3	0,7												☺	😐				
	BCHT120440R-K85	4	0,4												☺	😐				
	BCMT120404R-G55	0,4	1,3	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120408R-F55	0,8	1,3	☹	☹			☹	☹	☺	😐	😐	☹	☹					☹	☹
	BCMT120408R-G55	0,8	1,3		☹	😐	☹	☹	☹	☺	😐	😐	☹	☹			😐	☹	☹	☹
	BCMT120408R-K55	0,8	1,3	😐	😐	☺		😐	😐				😐	😐			☺		😐	😐
	BCMT120412R-G55	1,2	1,2	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120416R-G55	1,6	1,1	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120420R-G55	2	1,2	☹			☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120425R-G55	2,5	1	☹				☹	☹				☹	☹					☹	☹
	BCMT120430R-G55	3	0,7		☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120432R-G55	3,2	0,5					☹	☹				☹	☹					☹	☹
	BCMT120440R-G55	4	0,4	☹			☹	☹	☹				☹	☹				☹	☹	☹

If the corner radius r = 2.5 mm or above, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm

HC = Coated carbide
HW = Uncoated carbide

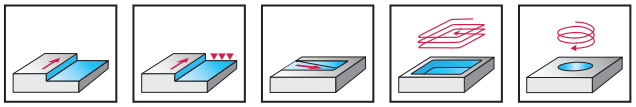
C2

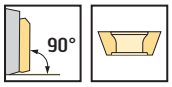
Shoulder milling cutters

M5130 inch

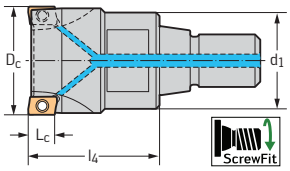
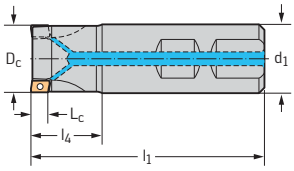
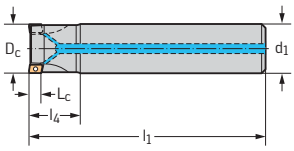
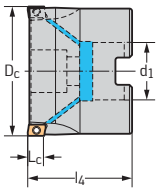
BC .. 1204 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





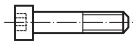
	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c inch	d_1 inch	l_4 inch	l_1 inch	L_c inch	Z	lbs	No. of inserts	Type
 ScrewFit	M5130.026-T22-03-12	1,000	T22	1,378		0,472	3	0,003	3	BC .. 1204 .. R
	M5130.031-T28-03-12	1,250	T28	1,575		0,472	3	0,006	3	
	M5130.031-T28-04-12	1,250	T28	1,575		0,472	4	0,007	4	
	M5130.038-T36-06-12	1,500	T36	1,575		0,472	6	0,013	6	
	M5130.051-T45-07-12	2,000	T45	1,575		0,472	7	0,019	7	
 DIN 1835 B	M5130.019-W19-02-12	0,750	0,750	1,024	3,059	0,472	2	0,005	2	BC .. 1204 .. R
	M5130.026-W26-03-12	1,000	1,000	1,339	3,280	0,472	3	0,010	3	
	M5130.031-W31-04-12	1,250	1,250	1,417	3,697	0,472	4	0,018	4	
 Cylindrical shank	M5130.019-A19-02-12	0,750	0,750	1,030	7,530	0,472	2	0,015	2	BC .. 1204 .. R
	M5130.026-A26-03-12	1,000	1,000	1,500	8,000	0,472	3	0,028	3	
	M5130.031-A31-04-12	1,250	1,250	1,630	10,000	0,472	4	0,056	4	
 Shell mill mount DIN 138 transverse keyway	M5130.038-B19-06-12	1,500	0,750	1,500		0,472	6	0,006	6	BC .. 1204 .. R
	M5130.051-B19-04-12	2,000	0,750	1,575		0,472	4	0,011	4	
	M5130.051-B19-07-12	2,000	0,750	1,575		0,472	7	0,014	7	
	M5130.064-B26-05-12	2,500	1,000	1,575		0,472	5	0,022	5	
	M5130.064-B26-08-12	2,500	1,000	1,575		0,472	8	0,021	8	
	M5130.076-B26-06-12	3,000	1,000	2,000		0,472	6	0,036	6	
	M5130.076-B26-09-12	3,000	1,000	2,000		0,472	9	0,038	9	

Bodies and assembly parts are included in the scope of delivery

C2

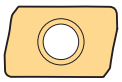
Assembly parts

D_c [mm]		0,75–1,25	1,5–2	2,5–3
	Clamping screw for indexable insert Tightening torque	FS2573 (T9IP) 2 Nm	FS2573 (T9IP) 2 Nm	FS2573 (T9IP) 2 Nm
	Clamping screw for arbour-mounted tools		FS1523	FS1519

Accessories

D_c [mm]		0,75–3
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2013 (T9IP)
	Screwdriver	FS1484 (T9IP)

Indexable inserts

	Designation	r mm	b mm	P		M				K					N		S			
				HC		HC				HC					HC	HW	HC			
				WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
	BCGT120408R-G55	0,8	1,3	☹		😐		☹	☹	☺		😐	☹	☹			😐		☹	☹
	BCHT120404R-K85	0,4	1,7												☺	😐				
	BCHT120408R-K85	0,8	1,3												☺	😐				
	BCHT120412R-K85	1,2	1,2												☺	😐				
	BCHT120416R-K85	1,6	1,1												☺	😐				
	BCHT120420R-K85	2	1,2												☺	😐				
	BCHT120425R-K85	2,5	1												☺	😐				
	BCHT120430R-K85	3	0,7												☺	😐				
	BCHT120440R-K85	4	0,4												☺	😐				
	BCMT120404R-G55	0,4	1,3	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120408R-F55	0,8	1,3	☹	☹			☹	☹	☺	😐	😐	☹	☹					☹	☹
	BCMT120408R-G55	0,8	1,3		☹	😐	☹	☹	☹	☺	😐	😐	☹	☹			😐	☹	☹	☹
	BCMT120408R-K55	0,8	1,3	😐	😐	☺		😐	😐				😐	😐			☺		😐	😐
	BCMT120412R-G55	1,2	1,2	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120416R-G55	1,6	1,1	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120420R-G55	2	1,2	☹			☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120425R-G55	2,5	1	☹				☹	☹				☹	☹					☹	☹
	BCMT120430R-G55	3	0,7		☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120432R-G55	3,2	0,5					☹	☹				☹	☹					☹	☹
	BCMT120440R-G55	4	0,4	☹			☹	☹	☹				☹	☹				☹	☹	☹

If the corner radius r = 2.5 mm or above, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm

HC = Coated carbide
HW = Uncoated carbide

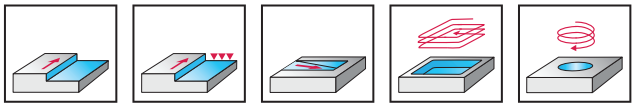
C2

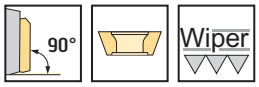
Shoulder milling cutters

M5130 mm

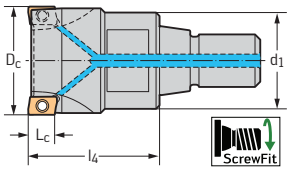
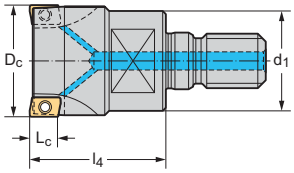
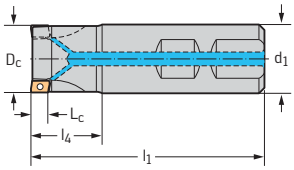
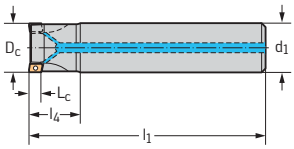
BC .. 1606 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 ScrewFit	M5130-032-T28-03-15	32	T28	40		15	3	0,16	3	BC .. 1606 .. R
	M5130-040-T36-03-15	40	T36	40		15	3	0,31	3	
	M5130-040-T36-04-15	40	T36	40		15	4	0,31	4	
	M5130-050-T45-03-15	50	T45	40		15	3	0,45	3	
	M5130-050-T45-06-15	50	T45	40		15	6	0,45	6	
 Cylindrical modular	M5130-032-TC16-03-15	32	M16	40		15	3	0,15	3	BC .. 1606 .. R
	M5130-040-TC16-03-15	40	M16	40		15	3	0,21	3	
	M5130-040-TC16-04-15	40	M16	40		15	4	0,2	4	
 DIN 1835 B	M5130-025-W25-02-15	25	25	43	100	15	2	0,3	2	BC .. 1606 .. R
	M5130-032-W32-03-15	32	32	49	110	15	3	0,56	3	
 Cylindrical shank	M5130-025-A25-02-15	25	25	38	200	15	2	0,68	2	BC .. 1606 .. R
	M5130-028-A25-02-15	28	25	38	200	15	2	0,7	2	
	M5130-032-A32-03-15	32	32	39	250	15	3	1,43	3	
	M5130-035-A32-03-15	35	32	39	250	15	3	1,46	3	

Bodies and assembly parts are included in the scope of delivery

C2

Assembly parts

D_c [mm]	25–160
Clamping screw for indexable insert Tightening torque	FS2300 (T15IP) 3,5 Nm

Accessories

D_c [mm]	25–125	160
Torque screwdriver, analogue	FS2003	FS2003
Torque screwdriver, digital	FS2248	FS2248
Interchangeable blade	FS2014 (T15IP)	FS2014 (T15IP)
Screwdriver	FS1485 (T15IP)	FS1485 (T15IP)
Sealing disc set		FS936 SET KOMPLETT

Indexable inserts

			P		M				K							N			S		
			HC		HC				HC							HC	HW		HC		
Designation	r mm	b mm	WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
BCGT160508R-G55	0,8	2		☹	☺		☹	☹	☺			☺	☹	☹				☺		☹	☹
BCHT160508R-K85	0,8	2														☺	☺				
BCHT160512R-K85	1,2	1,7														☺	☺				
BCHT160516R-K85	1,6	1,7														☺	☺				
BCHT160520R-K85	2	1,5														☺	☺				
BCHT160525R-K85	2,5	1,4														☺	☺				
BCHT160530R-K85	3	1,2														☺	☺				
BCHT160540R-K85	4	1,1														☺	☺				
BCMT160508R-F55	0,8	2	☹	☹		☹	☹	☹	☺		☺	☺	☹	☹					☹	☹	☹
BCMT160508R-G55	0,8	2	☹	☹	☺	☹	☹	☹	☺		☺	☺	☹	☹				☺	☹	☹	☹
BCMT160508R-K55	0,8	2	☺		☺	☹	☺	☺					☺	☺				☺	☹	☺	☺
BCMT160512R-G55	1,2	1,7	☹			☹	☹	☹					☹	☹					☹	☹	☹
BCMT160516R-G55	1,6	1,5	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160520R-G55	2	1,5		☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160525R-G55	2,5	1,4	☹			☹	☹	☹					☹	☹					☹	☹	☹
BCMT160530R-G55	3	1,2	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160532R-G55	3,2	1,1		☹			☹	☹					☹	☹						☹	☹
BCMT160540R-G55	4	1,1		☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160550R-G55	5	0,7	☹				☹	☹					☹	☹						☹	☹
BCMT160560R-G55	6	0,1	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCGX1605PDR-G55	0,8	8							☺	☺					☺						

If the corner radius r = 2.5 mm or above, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm
BCGX1605PDR-F56-G55 wiper insert only in combination with BCGT160508-G55.

HC = Coated carbide
HW = Uncoated carbide

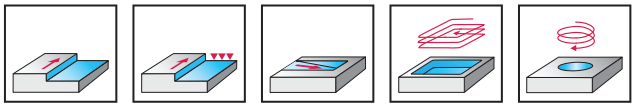
C2

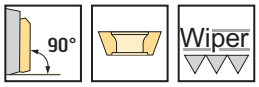
Shoulder milling cutters

M5130 mm

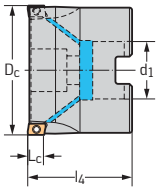
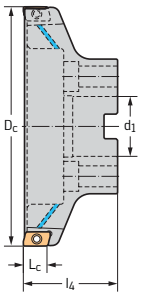
BC .. 1606 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 Shell mill mount DIN 138 transverse keyway	M5130-040-B16-03-15	40	16	40		15	3	0,15	3	BC .. 1606 .. R
	M5130-040-B16-04-15	40	16	40		15	4	0,14	4	
	M5130-042-B16-03-15	42	16	40		15	3	0,17	3	
	M5130-050-B22-03-15	50	22	40		15	3	0,31	3	
	M5130-050-B22-06-15	50	22	40		15	6	0,31	6	
	M5130-054-B22-03-15	54	22	40		15	3	0,34	3	
	M5130-063-B22-04-15	63	22	40		15	4	0,43	4	
	M5130-063-B22-07-15	63	22	40		15	7	0,45	7	
	M5130-063-B27-04-15	63	27	50		15	4	0,66	4	
	M5130-063-B27-07-15	63	27	50		15	7	0,68	7	
	M5130-066-B27-04-15	66	27	50		15	4	0,72	4	
	M5130-080-B27-05-15	80	27	50		15	5	0,92	5	
	M5130-080-B27-08-15	80	27	50		15	8	0,97	8	
	M5130-085-B27-05-15	85	27	50		15	5	1,03	5	
	M5130-100-B32-05-15	100	32	50		15	5	1,55	5	
	M5130-100-B32-08-15	100	32	50		15	8	1,62	8	
	M5130-125-B40-07-15	125	40	63		15	7	2,47	7	
	M5130-125-B40-10-15	125	40	63		15	10	2,67	10	
 Shell mill mount DIN 138 transverse keyway	M5130-160-B40-08-15	160	40	63		15	8	2,88	8	BC .. 1606 .. R
	M5130-160-B40-12-15	160	40	63		15	12	3,02	12	

Bodies and assembly parts are included in the scope of delivery

C2

Assembly parts

D_c [mm]	25–160
Clamping screw for indexable insert Tightening torque	FS2300 (T15IP) 3,5 Nm

Accessories

D_c [mm]	25–125	160
Torque screwdriver, analogue	FS2003	FS2003
Torque screwdriver, digital	FS2248	FS2248
Interchangeable blade	FS2014 (T15IP)	FS2014 (T15IP)
Screwdriver	FS1485 (T15IP)	FS1485 (T15IP)
Sealing disc set		FS936 SET KOMPLETT

Indexable inserts

			P		M				K							N		S			
			HC		HC				HC							HC	HW	HC			
Designation	r mm	b mm	WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
BCGT160508R-G55	0,8	2		☹	☺		☹	☹	☺			☺	☹	☹				☺		☹	☹
BCHT160508R-K85	0,8	2														☺	☺				
BCHT160512R-K85	1,2	1,7														☺	☺				
BCHT160516R-K85	1,6	1,7														☺	☺				
BCHT160520R-K85	2	1,5														☺	☺				
BCHT160525R-K85	2,5	1,4														☺	☺				
BCHT160530R-K85	3	1,2														☺	☺				
BCHT160540R-K85	4	1,1														☺	☺				
BCMT160508R-F55	0,8	2	☹	☹		☹	☹	☹	☺		☺	☺	☹	☹					☹	☹	☹
BCMT160508R-G55	0,8	2	☹	☹	☺	☹	☹	☹	☺		☺	☺	☹	☹				☺	☹	☹	☹
BCMT160508R-K55	0,8	2	☺		☺	☹	☺	☺					☺	☺				☺	☹	☺	☺
BCMT160512R-G55	1,2	1,7	☹			☹	☹	☹					☹	☹					☹	☹	☹
BCMT160516R-G55	1,6	1,5	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160520R-G55	2	1,5		☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160525R-G55	2,5	1,4	☹			☹	☹	☹					☹	☹					☹	☹	☹
BCMT160530R-G55	3	1,2	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160532R-G55	3,2	1,1		☹			☹	☹					☹	☹						☹	☹
BCMT160540R-G55	4	1,1		☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160550R-G55	5	0,7	☹				☹	☹					☹	☹						☹	☹
BCMT160560R-G55	6	0,1	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCGX1605PDR-G55	0,8	8							☺	☺					☺						

If the corner radius r = 2.5 mm or above, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm
BCGX1605PDR-F56-G55 wiper insert only in combination with BCGT160508-G55.

HC = Coated carbide
HW = Uncoated carbide

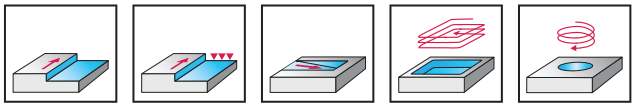
C2

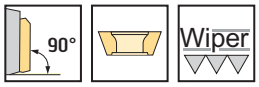
Shoulder milling cutters

M5130 inch

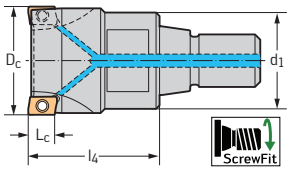
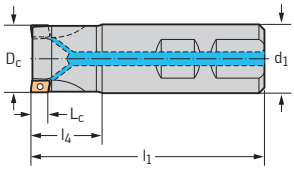
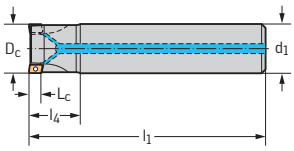
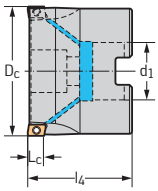
BC .. 1606 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





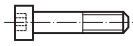
	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c inch	d_1 inch	l_4 inch	l_1 inch	L_c inch	Z	lbs	No. of inserts	Type
 ScrewFit	M5130.038-T36-03-15	1,500	T36	1,500		0,591	3	0,012	3	BC .. 1606 .. R
	M5130.038-T36-04-15	1,500	T36	1,500		0,591	4	0,012	4	
	M5130.051-T45-06-15	2,000	T45	1,575		0,591	6	0,018	6	
 DIN 1835 B	M5130.026-W26-02-15	1,000	1,000	1,850	4,131	0,591	2	0,013	3	BC .. 1606 .. R
	M5130.031-W31-03-15	1,250	1,250	1,500	3,781	0,591	3	0,018	3	
	M5130.038-W31-04-15	1,500	1,250	1,730	4,008	0,591	4	0,023	3	
 Cylindrical shank	M5130.026-A26-02-15	1,000	1,000	1,850	8,350	0,591	2	0,029	2	BC .. 1606 .. R
	M5130.031-A31-03-15	1,250	1,250	1,500	9,87	0,591	3	0,056	3	
 Shell mill mount DIN 138 transverse keyway	M5130.051-B19-03-15	2,000	0,750	1,575		0,591	3	0,013	3	BC .. 1606 .. R
	M5130.051-B19-06-15	2,000	0,750	1,575		0,591	6	0,012	6	
	M5130.064-B26-04-15	2,500	1,000	1,575		0,591	4	0,020	4	
	M5130.064-B26-07-15	2,500	1,000	1,575		0,591	7	0,02	7	
	M5130.076-B26-05-15	3,000	1,000	2,000		0,591	5	0,045	5	
	M5130.076-B26-08-15	3,000	1,000	2,000		0,591	8	0,041	8	
	M5130.102-B38-05-15	4,000	1,500	2,500		0,591	5	0,094	5	
	M5130.102-B38-08-15	4,000	1,500	2,500		0,591	8	0,108	8	
	M5130.127-B38-07-15	5,000	1,500	2,500		0,591	7	0,135	7	
	M5130.127-B38-10-15	5,000	1,500	2,500		0,591	10	0,146	10	
	M5130.152-B38-08-15	6,000	1,500	2,500		0,591	8	0,186	8	
	M5130.152-B38-12-15	6,000	1,500	2,500		0,591	12	0,183	12	

Bodies and assembly parts are included in the scope of delivery

C2

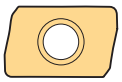
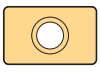
Assembly parts

D_c [mm]		1–6	2	2,5–3
	Clamping screw for indexable insert Tightening torque	FS2300 (T15IP) 3,5 Nm	FS2300 (T15IP) 3,5 Nm	FS2300 (T15IP) 3,5 Nm
	Clamping screw for arbour-mounted tools		FS1523	FS1519

Accessories

D_c [mm]		1–6
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)
	Screwdriver	FS1485 (T15IP)

Indexable inserts

	Designation	r mm	b mm	P		M				K							N		S			
				HC		HC				HC							HC	HW	HC			
				WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
	BCGT160508R-G55	0,8	2		☹	☺		☹	☹	☺			☺	☹	☹				☺		☹	☹
	BCHT160508R-K85	0,8	2														☺	☺				
	BCHT160512R-K85	1,2	1,7														☺	☺				
	BCHT160516R-K85	1,6	1,7														☺	☺				
	BCHT160520R-K85	2	1,5														☺	☺				
	BCHT160525R-K85	2,5	1,4														☺	☺				
	BCHT160530R-K85	3	1,2														☺	☺				
	BCHT160540R-K85	4	1,1														☺	☺				
	BCMT160508R-F55	0,8	2	☹	☹		☹	☹	☹	☺		☺	☺	☹	☹					☹	☹	☹
	BCMT160508R-G55	0,8	2	☹	☹	☺	☹	☹	☹	☺		☺	☺	☹	☹				☺	☹	☹	☹
	BCMT160508R-K55	0,8	2	☺		☺	☹	☺	☺					☺	☺				☺	☹	☺	☺
	BCMT160512R-G55	1,2	1,7	☹			☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160516R-G55	1,6	1,5	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160520R-G55	2	1,5		☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160525R-G55	2,5	1,4	☹			☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160530R-G55	3	1,2	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160532R-G55	3,2	1,1		☹			☹	☹					☹	☹						☹	☹
	BCMT160540R-G55	4	1,1		☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160550R-G55	5	0,7	☹				☹	☹					☹	☹						☹	☹
	BCMT160560R-G55	6	0,1	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCGX1605PDR-G55	0,8	8							☺	☺					☺						

If the corner radius r = 2.5 mm or above, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm
BCGX1605PDR-F56-G55 wiper insert only in combination with BCGT160508-G55.

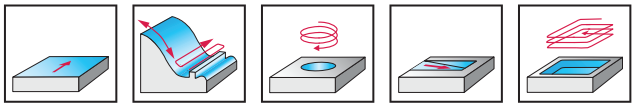
HC = Coated carbide
HW = Uncoated carbide

C2

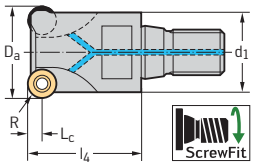
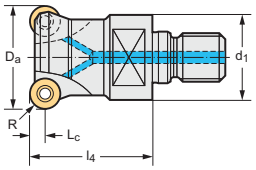
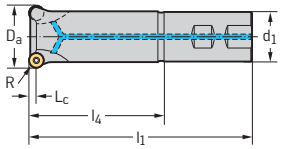
Round insert milling cutters

M5468 mm

RD . X0501M0
Xtra·tec® XT



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 ScrewFit	★ M5468-010-T09-02-02.5	2,5	10	T09	20		2,5	2	0,01	2	RD . X0501M0
	★ M5468-012-T09-03-02.5	2,5	12	T09	20		2,5	3	0,01	3	
	★ M5468-016-T14-04-02.5	2,5	16	T14	25		2,5	4	0,03	4	
	★ M5468-020-T18-05-02.5	2,5	20	T18	30		2,5	5	0,06	5	
 Cylindrical modular	★ M5468-010-TC06-02-02.5	2,5	10	M6	20		2,5	2	0,01	2	RD . X0501M0
	★ M5468-012-TC06-03-02.5	2,5	12	M6	20		2,5	3	0,01	3	
	★ M5468-016-TC08-04-02.5	2,5	16	M8	25		2,5	4	0,03	4	
	★ M5468-020-TC10-05-02.5	2,5	20	M10	30		2,5	5	0,06	5	
 DIN 1835 B	★ M5468-010-W10-02-02.5	2,5	10	10	19	60	2,5	2	0,03	2	RD . X0501M0
	★ M5468-012-W12-03-02.5	2,5	12	12	19	65	2,5	3	0,05	3	

Bodies and assembly parts are included in the scope of delivery

C2

Assembly parts

	D_a [mm]	10–20
	Clamping screw for indexable insert Tightening torque	FS1358 (T6) 0,4 Nm

Accessories

	D_a [mm]	10–20
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	FS2005 (T6)
	Screwdriver	FS1063 (T6)

Indexable inserts

	Designation	d mm	P HC	M HC		K HC						N HW	S HC		H HC
			WSP45G	WSM35S	WSP45G	WHH15	WHH15X	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WSM35S	WSP45G	WHH15X
	RDGX0501M0-G88	5										😐			
	RDHX0501M0-A57	5				😊	😊	😐		😠	😠				😊
	RDMX0501M0-D57	5	😠	😐	😠			😐	😐	😠	😠		😐	😠	

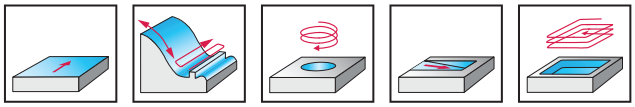
HW = Uncoated carbide
HC = Coated carbide

C2

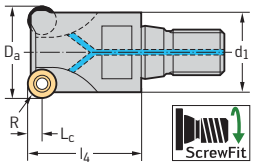
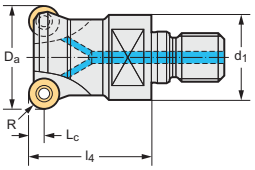
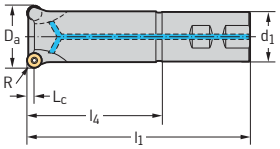
Round insert milling cutters

M5468 mm

RD . X07T1M0
Xtra·tec® XT



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 ScrewFit	★ M5468-015-T14-03-03.5	3,5	15	T14	25		3,5	3	0,03	3	RD . X07T1M0
	★ M5468-020-T18-04-03.5	3,5	20	T18	30		3,5	4	0,05	4	
	★ M5468-025-T22-05-03.5	3,5	25	T22	35		3,5	5	0,1	5	
	★ M5468-030-T28-06-03.5	3,5	30	T28	40		3,5	6	0,18	6	
 Cylindrical modular	★ M5468-015-TC08-03-03.5	3,5	15	M8	25		3,5	3	0,03	3	RD . X07T1M0
	★ M5468-020-TC10-04-03.5	3,5	20	M10	30		3,5	4	0,05	4	
	★ M5468-025-TC12-05-03.5	3,5	25	M12	35		3,5	5	0,09	5	
	★ M5468-030-TC16-06-03.5	3,5	30	M16	40		3,5	6	0,17	6	
 DIN 1835 B	★ M5468-015-W16-03-03.5	3,5	15	16	51	100	3,5	3	0,12	3	RD . X07T1M0

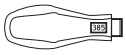
Bodies and assembly parts are included in the scope of delivery

C2

Assembly parts

	D_a [mm]	15–30
	Clamping screw for indexable insert Tightening torque	FS1455 (T8IP) 1,2 Nm

Accessories

	D_a [mm]	15–30
	Torque screwdriver, analogue	FS2001
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2012 (T8IP)
	Screwdriver	FS1483 (T8IP)

Indexable inserts

	Designation	d mm	P	M		K					N	S		H
			HC	HC		HC					HW	HC		HC
			WSP45G	WSM35S	WSP45G	WHH15	WHH15X	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WSM35S	WSP45G	WHH15X
	RDGX07T1M0-G88	7										😐			
	RDHX07T1M0-A57	7				😊	😊	😐	😐	🙁	🙁				😊
	RDMX07T1M0-D57	7	🙁	😐	🙁			😐	😐	🙁	🙁		😐	🙁	

HW = Uncoated carbide
HC = Coated carbide

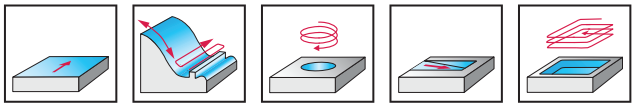
C2

Round insert milling cutters

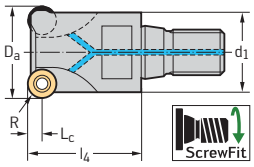
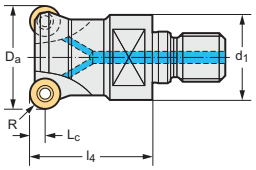
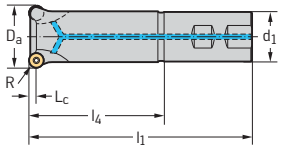
M5468 mm

Xtra·tec® XT

– With indexing surfaces
– 4 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 ScrewFit	★ M5468-016-T14-02-04	4	16	T14	25		4	2	0,03	2	RO . X0803M0
	★ M5468-025-T22-03-04	4	25	T22	35		4	3	0,09	3	
	★ M5468-032-T28-05-04	4	32	T28	40		4	5	0,18	5	
 Cylindrical modular	★ M5468-016-TC08-02-04	4	16	M8	25		4	2	0,03	2	RO . X0803M0
	★ M5468-025-TC12-03-04	4	25	M12	35		4	3	0,09	3	
	★ M5468-032-TC16-05-04	4	32	M16	40		4	5	0,17	5	
 DIN 1835 B	★ M5468-016-W16-02-04	4	16	16	51	100	4	2	0,13	2	RO . X0803M0
	★ M5468-025-W25-03-04	4	25	25	93	150	4	3	0,45	3	

Bodies and assembly parts are included in the scope of delivery

C2

Assembly parts

D_a [mm]	16	25–32
Clamping screw for indexable insert Tightening torque	FS1456 (T9IP) 2 Nm	FS2078 (T9IP) 1,5 Nm

Accessories

D_a [mm]	16–32
Torque screwdriver, analogue	FS2003
Torque screwdriver, digital	FS2248
Interchangeable blade	FS2013 (T9IP)
Screwdriver	FS1484 (T9IP)

Indexable inserts

			P	M		K				N		S		H
			HC	HC		HC				HC	HW	HC		HC
	Designation	d mm	WSP45G	WSM35S	WSP45G	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45G	WHH15X
	ROGX0803M04-G88	8								☺	☹			
	ROHX0803M04-A57	8				☹	☹	☹	☹					☺
	ROHX0803M04-D57	8	☹	☹	☹				☹			☹	☹	
	ROHX0803M04-D67	8	☹		☹								☹	
	ROMX0803M04-D57	8	☹	☹	☹	☹	☹		☹			☹	☹	

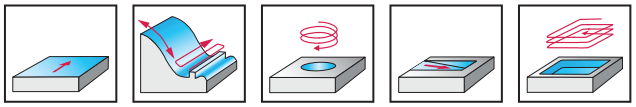
HW = Uncoated carbide
HC = Coated carbide

C2

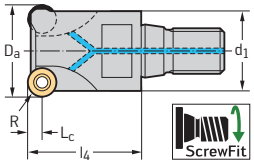
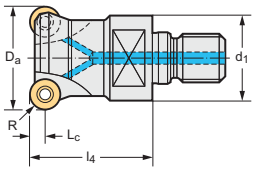
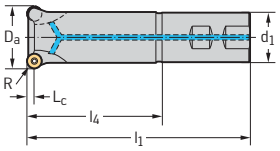
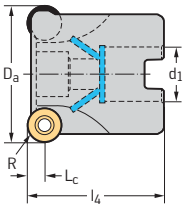
Round insert milling cutters

M5468 mm

– With indexing surfaces
– 8 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 ScrewFit	★ M5468-032-T28-02-08	8	32	T28	40		8	2	0,14	2	RO . X1605M0
 Cylindrical modular	★ M5468-032-TC16-02-08	8	32	M16	40		8	2	0,14	2	RO . X1605M0
 DIN 1835 B	★ M5468-032-W32-02-08	8	32	32	99	160	8	2	0,74	2	RO . X1605M0
 Shell mill mount DIN 138 transverse keyway	★ M5468-052-B22-04-08	8	52	22	50		8	4	0,32	4	RO . X1605M0
	★ M5468-052-B22-05-08	8	52	22	50		8	5	0,31	5	
	★ M5468-063-B22-05-08	8	63	22	50		8	5	0,49	5	
	★ M5468-063-B22-06-08	8	63	22	50		8	6	0,49	6	
	★ M5468-066-B27-05-08	8	66	27	50		8	5	0,57	5	
	★ M5468-066-B27-06-08	8	66	27	50		8	6	0,58	6	
	★ M5468-080-B27-06-08	8	80	27	50		8	6	0,82	6	
	★ M5468-080-B27-07-08	8	80	27	50		8	7	0,82	7	
	★ M5468-100-B32-07-08	8	100	32	50		8	7	1,43	7	
	★ M5468-125-B40-08-08	8	125	40	63		8	8	2,79	8	

C2

Assembly parts

D_a [mm]	52–125	32
Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm	FS2281 (T20IP) 5 Nm

Accessories

D_a [mm]	32–125
Torque screwdriver, analogue	FS2003
Torque screwdriver, digital	FS2248
Interchangeable blade	FS2015 (T20IP)
Screwdriver	FS1486 (T20IP)

Indexable inserts

Designation	d mm	P HC WSP45G	M HC WSM35S	M HC WSM45X	M HC WSP45G	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	H HC WHH15X
ROGX1605M08-G88	16									☺	☹				
ROHX1605M08-A57	16					☹	☹	☹	☹						☺
ROMX1605M08-D57	16	☹	☹		☹	☹	☹	☹	☹			☹		☹	
ROMX1605M08-F67	16	☹	☹	☹	☹							☹	☹	☹	
ROMX1605M0T8-A27	16					☹	☹	☹	☹						

HW = Uncoated carbide
HC = Coated carbide

C2

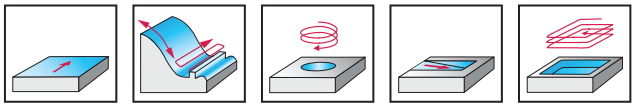
Round insert milling cutters

M5468 inch

RO . X1605M0

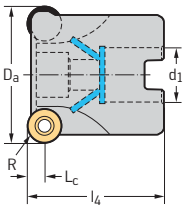
Xtra·tec® XT

– With indexing surfaces
– 8 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool



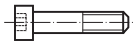
Shell mill mount DIN 138 transverse keyway

Designation	R inch	D_a inch	d_1 inch	l_4 inch	L_c inch	Z	lbs	No. of inserts	Type
★ M5468.064-B26-06-08	0,315	2,500	1,000	2,000	0,315	6	0,018	6	RO . X1605M0
★ M5468.076-B26-07-08	0,315	3,000	1,000	2,000	0,315	7	0,029	7	
★ M5468.102-B38-07-08	0,315	4,000	1,500	2,500	0,315	7	0,072	7	
★ M5468.127-B38-08-08	0,315	5,000	1,500	2,500	0,315	8	0,104	8	

Bodies and assembly parts are included in the scope of delivery

C2

Assembly parts

	D_a [mm]	2,5–3	4–5
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm	FS1495 (T20IP) 5 Nm
	Clamping screw for arbour-mounted tools	FS1519	FS1583

Accessories

	D_a [mm]	2,5–5
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)
	Screwdriver	FS1486 (T20IP)

Indexable inserts

	Designation	d mm	P HC	M HC			K HC				N HC	N HW	S HC			H HC
			WSP45G	WSM35S	WSM45X	WSP45G	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45G	WHH15X
	ROGX1605M08-G88	16									☺	☹				
	ROHX1605M08-A57	16					☹	☹	☹	☹						☺
	ROMX1605M08-D57	16	☹	☹		☹	☹	☹	☹	☹			☹		☹	
	ROMX1605M08-F67	16	☹	☹	☹	☹							☹	☹	☹	
	ROMX1605M0T8-A27	16					☹	☹	☹	☹						

HW = Uncoated carbide
HC = Coated carbide

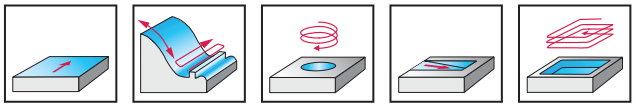
C2

Round insert milling cutters

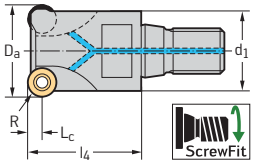
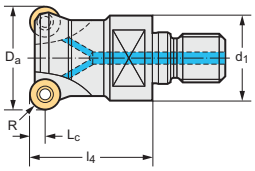
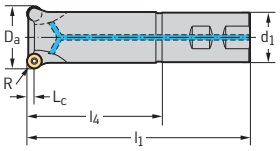
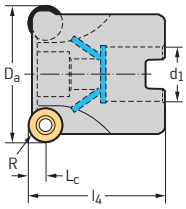
M5468 mm

Xtra·tec® XT

– With indexing surfaces
– 8 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of inserts	Type
 ScrewFit	★ M5468-040-T36-02-10	10	40	T36	40		10	2	0,25	2	RO . X2006M0
 Cylindrical modular	★ M5468-040-TC16-02-10	10	40	M16	40		10	2	0,15	2	RO . X2006M0
 DIN 1835 B	★ M5468-040-W40-02-10	10	40	40	119	190	10	2	1,44	2	RO . X2006M0
 Shell mill mount DIN 138 transverse keyway	★ M5468-063-B22-04-10	10	63	22	50		10	4	0,43	4	RO . X2006M0
	★ M5468-080-B27-05-10	10	80	27	50		10	5	0,74	5	
	★ M5468-100-B32-06-10	10	100	32	50		10	6	1,41	6	
	★ M5468-125-B40-07-10	10	125	40	63		10	7	2,86	7	

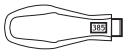
Bodies and assembly parts are included in the scope of delivery

C2

Assembly parts

	D_a [mm]	40–125
	Clamping screw for indexable insert Tightening torque	FS2614 (T20IP) 5 Nm

Accessories

	D_a [mm]	40–125
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)
	Screwdriver	FS1486 (T20IP)

Indexable inserts

	Designation	d mm	P	M		K				N		S		H
			HC	HC		HC				HC	HW	HC		HC
			WSP45G	WSM35S	WSP45G	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45G	WHH15X
	ROGX2006M08-G88	20								☺	☹			
	ROHX2006M08-A57	20				☹	☹	☹	☹					☺
	ROHX2006M08-D57	20							☹					
	ROHX2006M0T8-A27	20							☹					
	ROMX2006M08-D57	20	☹	☹	☹	☹	☹	☹	☹			☹	☹	
	ROMX2006M0T8-A27	20				☹	☹	☹	☹					

HW = Uncoated carbide
HC = Coated carbide

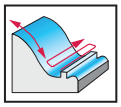
C2

Profile milling cutters

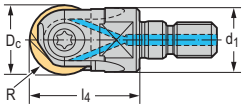
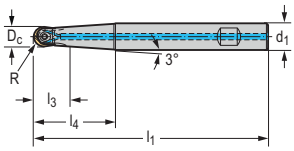
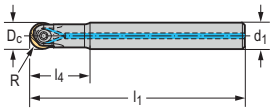
M5460 mm

Xtra·tec® XT

– For HSC machining
– Length dimensions related to metric cutting diameters



	P	M	K	N	S	H	O
M5460	●●	●●	●●		●●	●●	●

Tool	Designation	D_c mm	R mm	d_1 mm	l_4 mm	l_1 mm	Z	kg	No. of inserts	Type
 Cylindrical modular	★ M5460-008-TC06-02-04	8	4	M6	20		2	0,01	1	P320 . -D08
	★ M5460-010-TC06-02-05	10	5	M6	25		2	0,01	1	P320 . -D10
	★ M5460-012-TC06-02-06	12	6	M6	25		2	0,01	1	P320 . -D12
	★ M5460-016-TC08-02-08	16	8	M8	25		2	0,02	1	P320 . -D16
	★ M5460-020-TC10-02-10	20	10	M10	30		2	0,05	1	P320 . -D20
	★ M5460-025-TC12-02-12	25	12,5	M12	35		2	0,08	1	P320 . -D25
	★ M5460-030-TC16-02-15	30	15	M16	40		2	0,14	1	P320 . -D30
	★ M5460-032-TC16-02-16	32	16	M16	40		2	0,14	1	P320 . -D32
 DIN 1835 B	★ M5460-008-W12-02-04	8	4	12	50	140	2	0,1	1	P320 . -D08
	★ M5460-010-W12-02-05	10	5	12	35	150	2	0,11	1	P320 . -D10
	★ M5460-012-W16-02-06	12	6	16	58,5	160	2	0,2	1	P320 . -D12
	★ M5460-016-W20-02-08	16	8	20	65	175	2	0,34	1	P320 . -D16
	★ M5460-020-W25-02-10	20	10	25	76	190	2	0,57	1	P320 . -D20
	★ M5460-025-W32-02-12	25	12,5	32	98	210	2	1,01	1	P320 . -D25
 Cylindrical shank	★ M5460-008-A10-02-04	8	4	10	25	110	2	0,05	1	P320 . -D08
	★ M5460-010-A12-02-05	10	5	12	30	130	2	0,09	1	P320 . -D10
	★ M5460-012-A12-02-06	12	6	12	32	130	2	0,09	1	P320 . -D12
	★ M5460-016-A16-02-08	16	8	16	36	140	2	0,18	1	P320 . -D16
	★ M5460-020-A20-02-10	20	10	20	45	160	2	0,32	1	P320 . -D20
	★ M5460-025-A25-02-12	25	12,5	25	45	160	2	0,49	1	P320 . -D25
	★ M5460-030-A32-02-15	30	15	32	56	175	2	0,89	1	P320 . -D30
	★ M5460-032-A32-02-16	32	16	32	56	175	2	0,9	1	P320 . -D32

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D_c [mm]	8	10	12	16	20	25	30–32
Clamping screw for indexable insert Tightening torque	FS397 (T8) 1 Nm	FS390 (T15) 4 Nm	FS391 (T20) 5 Nm	FS392 (T20) 5 Nm	FS393 (T20) 5 Nm	FS394 (T20) 5 Nm	FS395 (T30) 6 Nm

Accessories

D_c [mm]	8	10	12–25	30–32
Torque T-handle				FS2041
Torque screwdriver, analogue	FS2001	FS2003	FS2003	
Torque screwdriver, digital	FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2007 (T8)	FS2009 (T15)	FS2010 (T20)	FS2046 (T30)
Handle key				FS1175 (T30)
Screwdriver	FS230 (T8)	FS229 (T15)	FS228 (T20)	

Indexable inserts

Designation	$D_c^{-0,03}$ mm	P HC			M HC			K HC		S HC			H HC
		WKP25	WKP35	WSP46G	WSM36	WSP46	WSP46G	WHH15	WHH15X	WSM36	WSP46	WSP46G	WHH15X
P3201-D08	8							☺					☺
P3201-D10	10	😐	😐					☺					☺
P3201-D12	12		😐					☺					☺
P3201-D16	16		😐					☺					☺
P3201-D20	20		😐					☺					☺
P3201-D25	25		😐					☺					☺
P3201-D30	30							☺					☺
P3201-D32	32							☺					☺
P3204-D08	8				😐	☹	☹	☺	☺	😐	☹	☹	
P3204-D10	10			☹	😐	☹	☹	☺	☺	😐	☹	☹	
P3204-D12	12			☹	😐	☹	☹	☺	☺	😐	☹	☹	
P3204-D16	16	☺		☹	😐	☹	☹	☺	☺	😐	☹	☹	
P3204-D20	20	☺		☹	😐	☹	☹	☺	☺	😐	☹	☹	
P3204-D25	25			☹	😐	☹	☹	☺	☺	😐	☹	☹	
P3204-D30	30				😐	☹		☺	☺	😐	☹		
P3204-D32	32			☹	😐	☹	☹	☺	☺	😐	☹	☹	

HC = Coated carbide

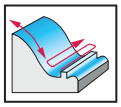
C2

Profile milling cutters

M5460 inch

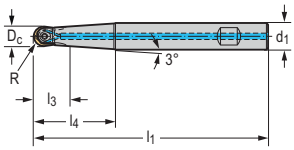
Xtra·tec® XT

– For HSC machining
– Length dimensions related to metric cutting diameters

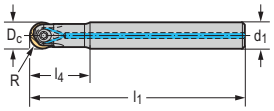


	P	M	K	N	S	H	O
M5460	●●	●●	●●		●●	●●	●

Tool



DIN 1835 B



Cylindrical shank

Designation	D_c inch	R inch	d_1 inch	l_4 inch	l_1 inch	Z	lbs	No. of inserts	Type
★ M5460.009-W13-02-05	0,375	0,187	0,500	1,378	5,906	2	0,005	1	P320 . -D09.52
★ M5460.013-W15-02-06	0,500	0,250	0,625	2,303	6,299	2	0,008	1	P320 . -D12.7
★ M5460.015-W19-02-08	0,625	0,312	0,750	2,559	6,890	2	0,012	1	P320 . -D15.87
★ M5460.019-W26-02-10	0,750	0,375	1,000	2,992	7,48	2	0,023	1	P320 . -D19.05
★ M5460.026-W31-02-13	1,000	0,500	1,250	3,858	8,268	2	0,039	1	P320 . -D25.4
★ M5460.009-A13-02-05	0,375	0,187	0,500	1,307	5,118	2	0,004	1	P320 . -D09.52
★ M5460.013-A13-02-06	0,500	0,250	0,500	1,331	5,118	2	0,004	1	P320 . -D12.7
★ M5460.015-A15-02-08	0,625	0,312	0,625	1,48	5,512	2	0,007	1	P320 . -D15.87
★ M5460.019-A19-02-10	0,750	0,375	0,750	1,807	6,299	2	0,012	1	P320 . -D19.05
★ M5460.026-A26-02-13	1,000	0,500	1,000	1,854	6,299	2	0,020	1	P320 . -D25.4

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D_c [mm]	0,38	0,5	0,62	0,75	1
Clamping screw for indexable insert Tightening torque	FS390 (T15) 4 Nm	FS391 (T20) 5 Nm	FS392 (T20) 5 Nm	FS393 (T20) 5 Nm	FS394 (T20) 5 Nm

Accessories

D_c [mm]	0,38	0,5–1
Torque screwdriver, analogue	FS2004	FS2004
Torque screwdriver, digital	FS2248	FS2248
Interchangeable blade	FS2009 (T15)	FS2010 (T20)
Screwdriver	FS229 (T15)	FS228 (T20)

Indexable inserts

Designation	$D_c^{-0,03}$ mm	P HC	M HC			K HC		S HC			H HC
		WSP46G	WSM36	WSP46	WSP46G	WHH15	WHH15X	WSM36	WSP46	WSP46G	WHH15X
P3201-D09.52	9,530										☺
P3201-D12.7	12,7					☺					☺
P3201-D15.87	15,880										☺
P3201-D19.05	19,05					☺					☺
P3201-D25.4	25,4					☺					☺
P3204-D09.52	9,530	☹		☹	☹	☺	☺		☹	☹	
P3204-D12.7	12,7	☹	😐	☹	☹	☺	☺	😐	☹	☹	
P3204-D15.87	15,880	☹		☹	☹	☺	☺		☹	☹	
P3204-D19.05	19,05	☹	😐	☹	☹	☺	☺	😐	☹	☹	
P3204-D25.4	25,4	☹		☹	☹	☺	☺		☹	☹	

HC = Coated carbide

C2


Accure·tec

D – Adaptors

Walter Capto™ clamping units

				
Designation	**TYP 2030 / 2040 / 2050 / 2060**	**TYP 2090**	**Typ 2080 / 2085**	**Typ 3000 / 2000 / 20.5**
Machine-side	VDI DIN 69880	Bushing clamp	Square shank	Parallel shank with clamping surface
Tool-side	C3 / C4 / C5 / C6	C3 / C4 / C5 / C6 / C8	C3 / C4 / C5	C3 / C4 / C5
Page in catalogue				
QR code				
www.walter-tools.com/woc/	TYP2030	TYP2090	TYP2080	TYP3000

D1

Walter Capto™ boring bars/adaptors

					
Designation	**A2120-C...-P**	**A2121-C...-P**	**A3000-C**	**C.-ASH**	
Machine-side	Walter Capto in accordance with ISO 26623	Walter Capto in accordance with ISO 26623	Walter Capto in accordance with ISO 26623	Walter Capto in accordance with ISO 26623	
Tool-side	20 x 20 / 25 x 25	20 x 20 / 25 x 25	Q25 / Q32 / Q40 / Q50	20 x 20 / 3/4 x 3/4 / 32 x 25 / 32 x 32	
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A2120-C-P	A2121-C-P	A3000-C	C-ASH	

D1

	C.-ASHA
	Walter Capto in accordance with ISO 26623
	32 x 25 / 32 x 32

C-ASHA

VDI boring bars/adaptors, one-piece

					
Designation	**A2110-V...-P**	**A2111-V...-P**	**A2120-V...-P**	**A2121-V...-P**	
Machine-side	VDI DIN 69880	VDI DIN 69880	VDI DIN 69880	VDI DIN 69880	
Tool-side	26L / 26R / 32L / 32R	26L / 26R / 32L / 32R	20 x 20 / 25 x 25	20 x 20 / 25 x 25	
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A2110-V-P	A2111-V-P	A2120-V-P	A2121-V-P	

D1

	AK135M
	VDI DIN 69880
	80

AK135M

Machine-specific boring bars/adaptors, one-piece

				
Designation	**A2110-BT...-P**	**A2110-DO...-P**	**A2110-NA...-P**	**A2110-V...-P**
Machine-side	BMT	Doosan	Nakamura	VDI DIN 69880
Tool-side	26L / 26R / 32L / 32R	32L / 32R	32L / 32R	26L / 26R / 32L / 32R
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A2110-BT-P	A2110-DO-P	A2110-NA-P	A2110-V-P

D1

			
	A2120-BT...-P	**A2120-DO...-P**	**A2121-DO...-P**
	BMT	Doosan	Doosan
	20 x 20 / 25 x 25	25 x 25	25 x 25
	A2120-BT-P	A2120-DO-P	A2121-DO-P

D1

Accure·tec vibration-damped boring bar adaptor

					
Designation	**A3000**	**A3000-C**	**A3000-HSK-T**	**A3001**	
Machine-side	Parallel shank with clamping surface Cylindrical shank	Walter Capto in accordance with ISO 26623	HSK DIN 69893-7	QuadFit	
Tool-side	Q25 / Q32 / Q40 / Q50	Q25 / Q32 / Q40 / Q50	Q25 / Q32 / Q40 / Q50	QL100 / QL60 / QL64 / QL74 / QL80	
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A3000	A3000-C	A3000-HSK-T	A3001	

D1

		
	A3001-C	**A3001-HSK-T**
	QuadFit	QuadFit
	QL60 / QL80	QL60 / QL80
	A3001-C	A3001-HSK-T

Walter Capto™ boring bars/adaptors

				
Designation	**AB035-C**	**AC001-C**	**AK155.8.C**	**AK182.C**
Machine-side	Walter Capto in accordance with ISO 26623	Walter Capto in accordance with ISO 26623	Walter Capto in accordance with ISO 26623	Walter Capto in accordance with ISO 26623
Tool-side	ER11 / ER20 / ER25 / ER40	16 / 22 / 27 / 32 / 40	1 / 1 1/2 / 1 1/4 / 16 / 22 / 27 / 3/4 / 32	12 / 20
Page in catalogue				
QR code				
www.walter-tools.com/woc/	AB035-C	AC001-C	AK155-8-C	AK182-C

				
Designation	**C.-390B.555 + C.-390B.558**	**C.-391.01**	**C.-391.02**	**C.-391.14**
Machine-side	SK DIN 69871 AD/B	Walter Capto in accordance with ISO 26623	Walter Capto in accordance with ISO 26623	Walter Capto in accordance with ISO 26623
Tool-side	C3 / C4 / C5 / C6 / C8	C3 / C4 / C5 / C6 / C8	C3 / C4 / C5 / C6	ER20 / ER25 / ER32 / ER40
Page in catalogue				
QR code				
www.walter-tools.com/woc/	C-390B-555	C-391-01	C-391-02	C-391-14

				
C.-131	**C.-390.410**	**C.-390B.140**	**C.-390B.540 + C.-390.540**	**C.-390B.55 + C.-390B.58**
Walter Capto in accordance with ISO 26623	HSK DIN 69893-1 A	SK DIN 69871 AD/B	SK DIN 69871 AD/B	JIS B 6339 AD/B
1 / 1 1/2 / 1/2 / 1/4 / 10 / 12 / 16 / 3/4 / 3/8 / 5/8	C3 / C4 / C5 / C6 / C8	C3 / C4 / C5 / C6 / C8	C3 / C4 / C5 / C6 / C8	C3 / C4 / C5 / C6 / C8
C-131	C-390-410	C-390B-140	C-390B-540	C-390B-55

		
C.-391.20	**C.-391.27**	**C.-A390B.45**
Walter Capto in accordance with ISO 26623	Walter Capto in accordance with ISO 26623	ASME B 5.50
1 / 1 1/2 / 1 1/4 / 1/2 / 10 / 12 / 14 / 16 / 18 / 20 / 25 / 3/4 / 3/8 / 32 / 40 / 5/8 / 6 / 7/8 / 8	16 / 20 / 25 / 32 / 40	C3 / C4 / C5 / C6 / C8
C-391-20	C-391-27	C-A390B-45

Walter NCT boring bars/adaptors

					
Designation	**A100M...HSK**	**A100M.1**	**A100M.2**	**A100M.3**	
Machine-side	HSK DIN 69893-1 A	SK DIN 2080 / ISO 2583	SK DIN 69871	ASME B 5.50	
Tool-side	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	63 / 80	
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A100M-HSK	A100M-1	A100M-2	A100M-3	

					
Designation	**A150M**	**A155M**	**A170M**	**A170M...Ex**	
Machine-side	Modular NCT adaptor	Modular NCT adaptor	Modular NCT adaptor	Modular NCT adaptor	
Tool-side	16 / 22 / 27 / 32 / 40 / 50 / 60	22 / 27 / 32 / 40S / 60	10 / 12 / 16 / 20 / 25 / 32 / 40	32 / 40 / 50	
Page in catalogue					
QR code					
www.walter-tools.com/woc/	A150M	A155M	A170M	A170M-EX	

				
A100M.4	**A100M.8**	**A100M.U3**	**A101M**	**A102M**
JIS B 6339	Walter Capto in accordance with ISO 26623	ASME B 5.50	Modular NCT adaptor	Modular NCT adaptor
25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63
A100M-4	A100M-8	A100M-U3	A101M	A102M

				
A175	**A201M**	**A305**	**A320M**	**AB035-N**
DIN 1835 B	Modular NCT adaptor	DIN 1835 B	Modular NCT adaptor	Modular NCT adaptor
10 / 12 / 14 / 16 / 4 (5/32) / 5 / 6 / 8	1 - 13	ER11 / ER16	1 / 3 / 4 / 5	ER20 / ER25
A175	A201M	A305	A320M	AB035-N

Walter NCT boring bars/adaptors

					
Designation	**AK155M**	**AK155M.U0**	**AK200M.2**	**AK300M**	
Machine-side	Modular NCT adaptor	Modular NCT adaptor	SK DIN 69871 AD/B	Modular NCT adaptor	
Tool-side	16 / 22 / 27 / 32 / 40S	1 / 1 1/2 / 1 1/4 / 3/4	40 / 50 / 63 / 80	ER16 / ER25 / ER32 / ER40	
Page in catalogue					
QR code					
www.walter-tools.com/woc/	AK155M	AK155M-U0	AK200M-2	AK300M	

	Z2311
	Morse taper
	13 / 16 / 19 / 22 / 27 / 32 / 40 / 50

Z2311

ScrewFit adaptions for front pieces

				
Designation	**A510**	**AC060-C**	**AC060-H**	**AC060-J**
Machine-side	Cylindrical shank	Walter Capto in accordance with ISO 26623	HSK DIN 69893-1 A	JIS B 6339 AD/B
Tool-side	T09 / T14 / T18 / T22 / T28	T18 / T22 / T28	T18 / T22 / T28	T18 / T22 / T28
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A510	AC060-C	AC060-H	AC060-J

				
Designation	**AK521**	**AK522**	**AK530**	**AK531**
Machine-side	ScrewFit	Cylindrical modular	HSK DIN 69893-1 A	HSK DIN 69893-1 A
Tool-side	T09 / T14 / T18 / T22 / T28 / T36	T14 / T18 / T22 / T28	T09 / T14 / T18 / T22 / T28 / T36 / T45	T18 / T22 / T28 / T36 / T45
Page in catalogue				
QR code				
www.walter-tools.com/woc/	AK521	AK522	AK530	AK531

AC060-S
SK DIN 69871 AD/B
T18 / T22 / T28

AC060-S

AK300.T
ScrewFit
ER11 / ER16 / ER25

AK300-T

AK510
Cylindrical shank
T09 / T14 / T18 / T22 / T28 / T36 / T45

AK510

AK512
Cylindrical shank
T14 / T18 / T22 / T28

AK512

AK520
Modular NCT adaptor
T18 / T22 / T28 / T36 / T45

AK520

AK540
ASME B 5.50 SK DIN 69871 AD/B7/JIS B 6339
T09 / T14 / T18 / T22 / T28 / T36 / T45

AK540

AK541
ASME B 5.50 SK DIN 69871 AD/B/JIS B 6339
T18 / T22 / T28 / T36 / T45

AK541

AK580.C
Walter Capto in accordance with ISO 26623
T09 / T14 / T18 / T22 / T28 / T36 / T45

AK580-C

ConeFit adaptors for milling cutter heads

				
Designation	**AK610**	**AK631**	**AK641**	**AK681**
Machine-side	Cylindrical shank	HSK DIN 69893-1 A	SK DIN 69871 JIS B 6339	Walter Capto in accordance with ISO 26623
Tool-side	E10 / E12 / E16 / E20 / E25	E10 / E12 / E16 / E20 / E25	E10 / E12 / E16 / E20 / E25	E10 / E12 / E16 / E20 / E25
Page in catalogue				
QR code				
www.walter-tools.com/woc/	AK610	AK631	AK641	AK681

Walter NCT boring bars/adaptors

				
Designation	**A100M...HSK**	**A100M.1**	**A100M.2**	**A100M.3**
Machine-side	HSK DIN 69893-1 A	SK DIN 2080 / ISO 2583	SK DIN 69871	ASME B 5.50
Tool-side	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	63 / 80
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A100M-HSK	A100M-1	A100M-2	A100M-3

				
Designation	**A150M**	**A155M**	**A170M**	**A170M...Ex**
Machine-side	Modular NCT adaptor	Modular NCT adaptor	Modular NCT adaptor	Modular NCT adaptor
Tool-side	16 / 22 / 27 / 32 / 40 / 50 / 60	22 / 27 / 32 / 40S / 60	10 / 12 / 16 / 20 / 25 / 32 / 40	32 / 40 / 50
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A150M	A155M	A170M	A170M-EX





	A100M.4	A100M.8	A100M.U3	A101M	A102M
	JIS B 6339	Walter Capto in accordance with ISO 26623	ASME B 5.50	Modular NCT adaptor	Modular NCT adaptor
	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63 / 80	25 / 32 / 40 / 50 / 63
	A100M-4	A100M-8	A100M-U3	A101M	A102M





	A175	A201M	A305	A320M	AB035-N
	DIN 1835 B	Modular NCT adaptor	DIN 1835 B	Modular NCT adaptor	Modular NCT adaptor
	10 / 12 / 14 / 16 / 4 (5/32) / 5 / 6 / 8	1 - 13	ER11 / ER16	1 / 3 / 4 / 5	ER20 / ER25
	A175	A201M	A305	A320M	AB035-N

Walter NCT boring bars/adaptors

					
Designation	**AK155M**	**AK155M.U0**	**AK200M.2**	**AK300M**	
Machine-side	Modular NCT adaptor	Modular NCT adaptor	SK DIN 69871 AD/B	Modular NCT adaptor	
Tool-side	16 / 22 / 27 / 32 / 40S	1 / 1 1/2 / 1 1/4 / 3/4	40 / 50 / 63 / 80	ER16 / ER25 / ER32 / ER40	
Page in catalogue					
QR code					
www.walter-tools.com/woc/	AK155M	AK155M-U0	AK200M-2	AK300M	

	Z2311
	Morse taper
	13 / 16 / 19 / 22 / 27 / 32 / 40 / 50

Z2311

ScrewFit adaptions for front pieces

				
Designation	**A510**	**AC060-C**	**AC060-H**	**AC060-J**
Machine-side	Cylindrical shank	Walter Capto in accordance with ISO 26623	HSK DIN 69893-1 A	JIS B 6339 AD/B
Tool-side	T09 / T14 / T18 / T22 / T28	T18 / T22 / T28	T18 / T22 / T28	T18 / T22 / T28
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A510	AC060-C	AC060-H	AC060-J

				
Designation	**AK521**	**AK522**	**AK530**	**AK531**
Machine-side	ScrewFit	Cylindrical modular	HSK DIN 69893-1 A	HSK DIN 69893-1 A
Tool-side	T09 / T14 / T18 / T22 / T28 / T36	T14 / T18 / T22 / T28	T09 / T14 / T18 / T22 / T28 / T36 / T45	T18 / T22 / T28 / T36 / T45
Page in catalogue				
QR code				
www.walter-tools.com/woc/	AK521	AK522	AK530	AK531

				
AC060-S	**AK300.T**	**AK510**	**AK512**	**AK520**
SK DIN 69871 AD/B	ScrewFit	Cylindrical shank	Cylindrical shank	Modular NCT adaptor
T18 / T22 / T28	ER11 / ER16 / ER25	T09 / T14 / T18 / T22 / T28 / T36 / T45	T14 / T18 / T22 / T28	T18 / T22 / T28 / T36 / T45
AC060-S	AK300-T	AK510	AK512	AK520

		
AK540	**AK541**	**AK580.C**
ASME B 5.50 SK DIN 69871 AD/B / JIS B 6339	ASME B 5.50 SK DIN 69871 AD/B / JIS B 6339	Walter Capto in accordance with ISO 26623
T09 / T14 / T18 / T22 / T28 / T36 / T45	T18 / T22 / T28 / T36 / T45	T09 / T14 / T18 / T22 / T28 / T36 / T45
AK540	AK541	AK580-C

ConeFit adaptors for milling cutter heads

				
Designation	**AK610**	**AK631**	**AK641**	**AK681**
Machine-side	Cylindrical shank	HSK DIN 69893-1 A	SK DIN 69871 JIS B 6339	Walter Capto in accordance with ISO 26623
Tool-side	E10 / E12 / E16 / E20 / E25	E10 / E12 / E16 / E20 / E25	E10 / E12 / E16 / E20 / E25	E10 / E12 / E16 / E20 / E25
Page in catalogue				
QR code				
www.walter-tools.com/woc/	AK610	AK631	AK641	AK681

Boring bars/adaptors, one-piece – HSK, SK




Designation	A155...HSK	A155.BT	A155.S	A170...HSK
Machine-side	HSK DIN 69893-1 A	JIS B 6339	SK DIN 69871 AD/B	HSK DIN 69893-1 A
Tool-side	22 / 27 / 32 / 40S / 60	16 / 22 / 27 / 32 / 40S / 60	22 / 27 / 32 / 40S / 60	10 / 12 / 16 / 20 / 25 / 32 / 40 / 6 / 8
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A155-HSK	A155-BT	A155-S	A170-HSK




Designation	AB035-J	AB035-S	AB035-W	AB044.K
Machine-side	JIS B 6339	SK DIN 69871	DIN 6535 HE, turned 180° DIN 6535 HB	ASME B 5.50
Tool-side	ER11 / ER20 / ER25 / ER40	ER20 / ER25 / ER40	ER11 / ER20 / ER25	1 / 1 1/2 / 1 1/4 / 1/2 / 1/4 / 2 / 3/4 / 3/8 / 5/8
Page in catalogue				
QR code				
www.walter-tools.com/woc/	AB035-J	AB035-S	AB035-W	AB044-K

NEW





	A560.H	AB001.K	AB009.K	AB019-H	AB035-H
	HSK DIN 69893-1 A	ASME B 5.50	ASME B 5.50	HSK DIN 69893-1 A	HSK DIN 69893-1 A
	10 / 12 / 16 / 20 / 25 / 5 / 6 / 8	1 / 1 1/2 / 1 1/4 / 2 1/2 / 3/4	ER16 / ER20 / ER25 / ER32 / ER40	10 / 12 / 14 / 16 / 20 / 6 / 8	ER20 / ER25 / ER40
				454	
	A560-H	AB001-K	AB009-K	AB019-H	AB035-H





	AC001-H	AC001-J	AC001-S	AC001.K	AK155...HSK
	HSK DIN 69893-1 A	JIS B 6339 AD/B	SK DIN 69871 AD/B	ASME B 5.50	HSK DIN 69893-1 A
	16 / 22 / 27 / 32 / 40	16 / 22 / 27 / 32 / 40	16 / 22 / 27 / 32 / 40	1 / 1 1/2 / 3/4	16 / 22 / 27 / 32 / 40S
	AC001-H	AC001-J	AC001-S	AC001-K	AK155-HSK

Boring bars/adaptors, one-piece – HSK, SK

					
Designation	**AK155.BT**	**AK155.S**	**AK170.BT**	**AK170.S**	
Machine-side	JIS B 6339	SK DIN 69871 AD/B	JIS B 6339	SK DIN 69871 AD/B	
Tool-side	16 / 22 / 27 / 32	16 / 22 / 27 / 32	10 / 12 / 14 / 16 / 18 / 20 / 25 / 32 / 40 / 6 / 8	10 / 12 / 16 / 20 / 25 / 32 / 40 / 6 / 8	
Page in catalogue					
QR code					
www.walter-tools.com/woc/	AK155-BT	AK155-S	AK170-BT	AK170-S	

		
Designation	**AK300.BT**	**AK300.S**
Machine-side	JIS B 6339	SK DIN 69871 AD/B
Tool-side	ER16 / ER20 / ER25 / ER32 / ER40	ER16 / ER20 / ER25 / ER32 / ER40
Page in catalogue		
QR code		
www.walter-tools.com/woc/	AK300-BT	AK300-S

				
AK182.BT	**AK182.CAT**	**AK182.H**	**AK182.S**	**AK300...HSK**
JIS B 6339	ASME B 5.50	HSK DIN 69893-1 A	SK DIN 69871 AD/B	HSK DIN 69893-1 A
12 / 20 / 32	20 / 32	12 / 20 / 32	12 / 20 / 32	ER16 / ER25 / ER32 / ER40
AK182-BT	AK182-CAT	AK182-H	AK182-S	AK300-HSK

Accure·tec vibration-damped end mill adaptors

				
Designation	**AC001-C**	**AC001-H**	**AC001-J**	**AC001-S**
Machine-side	Walter Capto in accordance with ISO 26623	HSK DIN 69893-1 A	JIS B 6339 AD/B	SK DIN 69871 AD/B
Tool-side	16 / 22 / 27 / 32 / 40	16 / 22 / 27 / 32 / 40	16 / 22 / 27 / 32 / 40	16 / 22 / 27 / 32 / 40
Page in catalogue				
QR code				
www.walter-tools.com/woc/	AC001-C	AC001-H	AC001-J	AC001-S

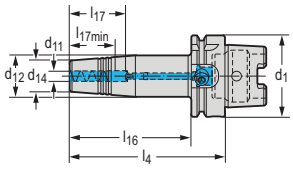
				
AC001.K	**AC060-C**	**AC060-H**	**AC060-J**	**AC060-S**
ASME B 5.50	Walter Capto in accordance with ISO 26623	HSK DIN 69893-1 A	JIS B 6339 AD/B	SK DIN 69871 AD/B
1 / 1 1/2 / 3/4	T18 / T22 / T28	T18 / T22 / T28	T18 / T22 / T28	T18 / T22 / T28
AC001-K	AC060-C	AC060-H	AC060-J	AC060-S

DIN 69893-1 A slim hydraulic expansion chuck

AB019-H mm

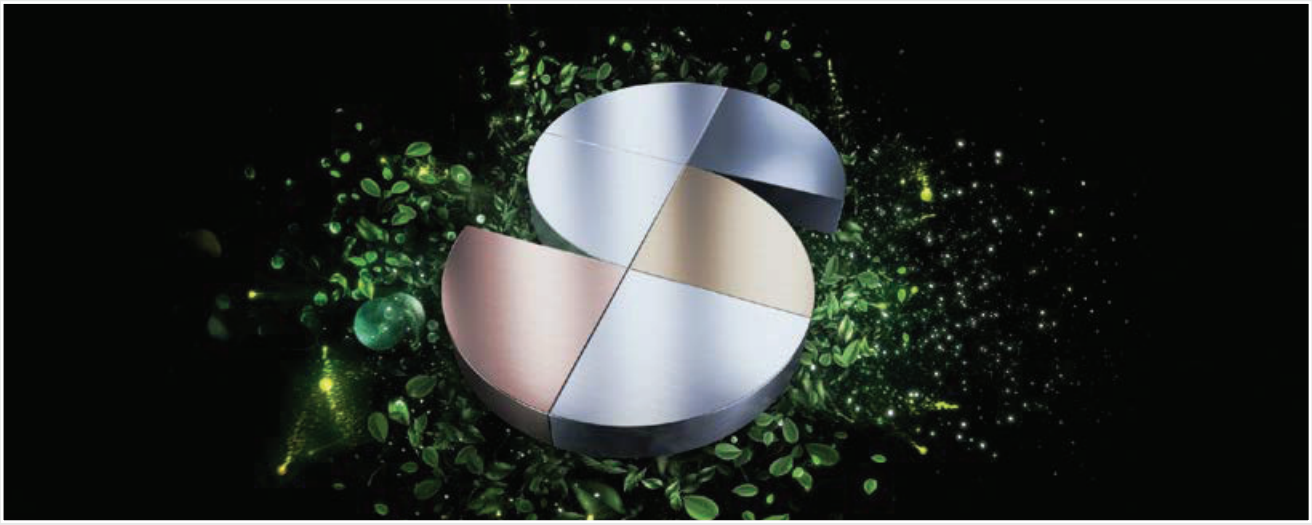
– For tools with shank in accordance with DIN 1835 Form A

Tool



HSK DIN 69893-1 A

Designation	d_1	d_{11}	d_{12} mm	d_{14} mm	l_4 mm	l_{16} mm	l_{17} mm	l_{17min} mm	kg
★ AB019-H100-P06-085	HSK-A100	6	27	21	85	56	36,7	26,7	2,2
★ AB019-H100-P06-120	HSK-A100	6	27	21	120	91	38,2	28,2	2,3
★ AB019-H100-P08-085	HSK-A100	8	27	21	85	56	36,7	26,7	2,2
★ AB019-H100-P08-120	HSK-A100	8	27	21	120	91	38,7	28,7	2,3
★ AB019-H100-P10-090	HSK-A100	10	32	24	90	61	42,7	32,7	2,2
★ AB019-H100-P10-120	HSK-A100	10	32	24	120	91	43,3	33,2	2,4
★ AB019-H100-P12-095	HSK-A100	12	32	24	95	66	47,7	37,7	2,2
★ AB019-H100-P12-120	HSK-A100	12	32	24	120	91	47,7	37,7	2,4
★ AB019-H100-P16-100	HSK-A100	16	34	27	100	71	53,2	43,2	2,3
★ AB019-H100-P16-120	HSK-A100	16	34	27	120	91	53,2	43,2	2,4
★ AB019-H100-P20-105	HSK-A100	20	42	33	105	76	55,7	45,7	2,5
★ AB019-H100-P20-120	HSK-A100	20	42	33	120	91	55,7	45,7	2,6
★ AB019-H63-P06-080	HSK-A63	6	27	21	80	54	38,2	28,2	0,87
★ AB019-H63-P06-120	HSK-A63	6	27	21	120	94	38,2	28,2	1
★ AB019-H63-P08-080	HSK-A63	8	27	21	80	54	38,2	28,2	0,86
★ AB019-H63-P08-120	HSK-A63	8	27	21	120	94	38,2	28,2	1
★ AB019-H63-P10-085	HSK-A63	10	32	24	85	59	42,7	32,7	0,9
★ AB019-H63-P10-120	HSK-A63	10	32	24	120	94	43,2	33,2	1,1
★ AB019-H63-P12-090	HSK-A63	12	32	24	90	64	47,7	37,7	0,9
★ AB019-H63-P12-120	HSK-A63	12	32	24	120	94	47,7	37,7	1,1
★ AB019-H63-P14-090	HSK-A63	14	34	27	90	64	48,7	38,7	0,99
★ AB019-H63-P14-120	HSK-A63	14	34	27	120	94	48,7	38,8	1,19
★ AB019-H63-P16-095	HSK-A63	16	34	27	95	69	53,2	43,2	1
★ AB019-H63-P16-120	HSK-A63	16	34	27	120	94	53,2	43,2	1,16
★ AB019-H63-P20-100	HSK-A63	20	42	33	100	74	55,7	45,7	1,18
★ AB019-H63-P20-120	HSK-A63	20	42	33	120	94	55,7	45,7	1,39



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.

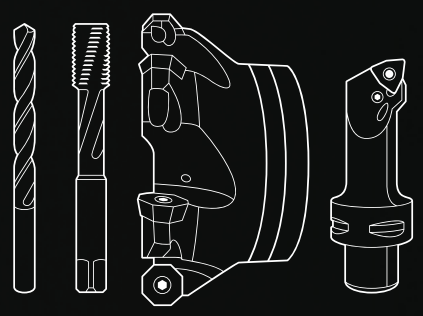
Environmental and energy management
Environmental protection is an important company objective for Walter. We use energy efficiently and deploy practical methods to sustainably reduce the consumption of energy, water and resources.

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.

Walter AG

Derendinger Straße 53, 72072 Tübingen
Postfach 2049, 72010 Tübingen
Germany

walter-tools.com



Europe

Walter Austria GmbH
Wien, Österreich
+43 1 5127300-0, service.at@walter-tools.com

Walter Benelux N.V./S.A.
Zaventem, Belgique
(B) +32 (02) 7258500
(NL) +31 (0) 900 26585-22
service.benelux@walter-tools.com

Walter (Schweiz) AG
Solothurn, Schweiz
+41 (0) 32 617 40 72, service.ch@walter-tools.com

Walter CZ s.r.o
Kurim, Czech Republic
+420 (0) 541 423352, service.cz@walter-tools.com

Walter Deutschland GmbH
Frankfurt, Deutschland
+49 (0) 69 78902-100, service.de@walter-tools.com

Walter France
Soultz-sous-Forêts, France
+33 (0) 3 88 80 20 00, service.fr@walter-tools.com

Walter Hungária Kft.
Budapest, Magyarország
+36 1 464 7160, service.hu@walter-tools.com

Walter Tools Ibérica S.A.U.
El Prat de Llobregat, España
+34 934 796760, service.iberica@walter-tools.com

Walter Italia s.r.l.
Via Volta, s.n.c., 22071 Cadorago - CO, Italia
+39 031 926-111, service.it@walter-tools.com

Walter Norden AB
Halmstad, Sweden
+46 (0) 35 16 53 00, service.norden@walter-tools.com

Walter Polska Sp. z o.o.
Warszawa, Polska
+48 (0) 22 8520495, service.pl@walter-tools.com

Walter Tools SRL
Timisoara, România
+40 (0) 256 406218, service.ro@walter-tools.com

ООО „Вальтер“
г. Санкт-Петербург
+7 (812) 334 54 56, service.ru@walter-tools.com

Walter Tools d.o.o.
Maribor, Slovenija
+386 (2) 629 01 30, service.si@walter-tools.com

Walter Slovakia, s.r.o.
Nitra, Slovakia
+421 (0) 37 3260 910, service.sk@walter-tools.com

Walter Kesici Takımlar Sanayi ve Ticaret Ltd. Şti.
Bursa, Türkiye
+90 (0) 216 528 1900 Pbx, service.tr@walter-tools.com

Walter GB Ltd.
Bromsgrove, England
+44 (1527) 839 450, service.uk@walter-tools.com

Asia

Walter Wuxi Co. Ltd.
Wuxi, Jiangsu, P.R. China
+86 (510) 853 72199, service.cn@walter-tools.com

Walter Wuxi Co. Ltd.
中国江苏省无锡市新区新畅南路 3 号
电话：+86-510-8537 2199 邮编：214028
客服热线：400 1510 510
邮箱：service.cn@walter-tools.com

Walter Tools India Pvt. Ltd.
Pune, India
+91 (20) 6773 7300, service.in@walter-tools.com

Walter Japan K.K.
Nagoya, Japan
+81 (52) 533 6135, service.jp@walter-tools.com

ワルタージャパン株式会社
名古屋市中村区名駅二丁目 45 番 7 号
+81 (0) 52 533 6135, service.jp@walter-tools.com

Walter Korea Ltd.
Anyang-si Gyeonggi-do, Korea
+82 (31) 337 6100, service.wkr@walter-tools.com

한국발터(주)
경기도 안양시 동안구 학의로 282
금강펜테리움 106호 14056
+82 (0) 31 337 6100, service.wkr@walter-tools.com

Walter Malaysia Sdn. Bhd.
Selangor D.E., Malaysia
+60(3)-5624 4265, service.my@walter-tools.com

Walter AG Singapore Pte. Ltd.
+65 6773 6180, service.sg@walter-tools.com

Walter (Thailand) Co., Ltd.
Bangkok, 10120, Thailand
+66 2 687 0388, service.th@walter-tools.com

America

Walter do Brasil Ltda.
Sorocaba – SP, Brasil
+55 15 32245700, service.br@walter-tools.com

Walter Canada
Mississauga, Canada
service.ca@walter-tools.com

Walter Tools S.A. de C.V.
El Marqués, Querétaro, México
+52 (442) 478-3500, service.mx@walter-tools.com

Walter USA, LLC
Waukesha WI, USA
+1 800-945-5554, service.us@walter-tools.com

Subject to change without notice – 11/2021 EN – Copyright Walter AG