

Grooving and recessing – fast and universal.

NEW ADDITION TO THE PRODUCT RANGE

- Walter Cut G4011.../G4011-P monoblock shank tools
- Universal tool for grooving and recessing
- 20 × 20 and 25 × 25 mm: With and without precision cooling
- Insert widths: 2.0/2.5/3.0/4.0 mm
- Cutting depths: 10 mm (for recessing, grooving and parting off without diameter limit), 17.5 mm (with reinforced support)

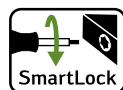
THE INDEXABLE INSERTS

- Double-edged DX18 cutting inserts with positive engagement
- Insert widths: 1.5/2.0/2.5/3.0/4.0 mm
- PVD grades: WSM13S, WSM23S, WSM33S, WSM43S
- CVD grades: WKP13S, WKP23S, WKP33S

THE APPLICATION

- Parting off: CF6, CF5, CE4
- Grooving and parting off for a flat groove base: GD3, GD6
- Universal grooving and recessing: UF4, UD4, UA4
- Copy turning: RD4, RF7

Shank sizes 10–20 mm
G4014 with lateral
"SmartLock" clamping screw



Shank sizes 20–25 mm
G4011 with Torx Plus
clamping screw – can be operated
from above or below

Walter Capto™ G4011-C...

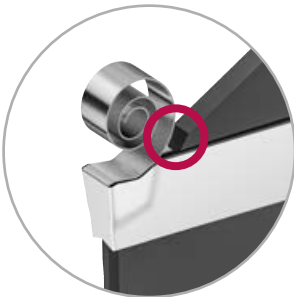


Walter G4041...C...-P
deep parting blades

Powered by
Tiger-tec®Silver

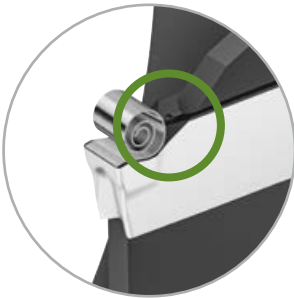


THE TECHNOLOGY – ELEVATED GROOVING INSERT



Existing grooving insert:

The low chip shoulder makes the chip longer, meaning that it partially rubs against the top clamp.



NEW Elevated grooving insert:

Protects the top clamp and produces short chips. The chip runs towards the shoulder and is directed into small, thinner chip ribbons. These are easier to eject out of the groove.

BENEFITS FOR YOU

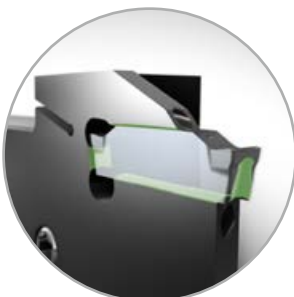
- Process reliability and reduced costs thanks to unique DX positive engagement design (the cutting insert does not move; wear and breakages are minimised)
- Higher productivity thanks to improved chip breaking (no chip jams, longer tool life)

THE TECHNOLOGY – POSITIVE ENGAGEMENT



Existing insert seat without positive engagement:

The insert is not positioned at the rear contact point and can move in the event of lateral forces.



NEW Insert seat with positive engagement:

The positive engagement in the insert seat ensures reliable installation and maximum stability. Particularly with lateral forces, the insert is located and held securely by the positive engagement and can no longer move – for higher cutting values and a longer tool life for the cutting insert and tool.

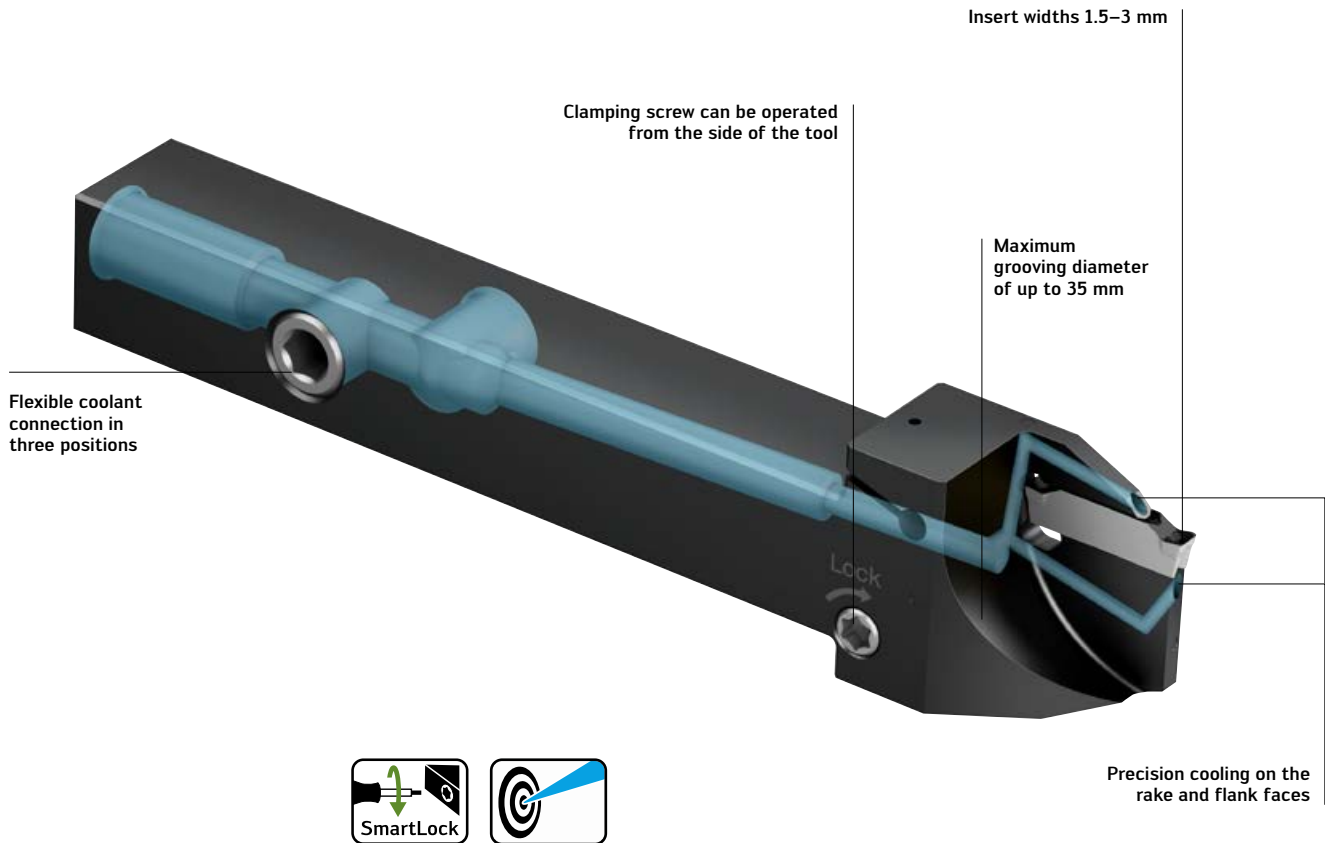
Innovative parting-off system with SmartLock.

THE TOOL

- G4014-P/DX18 grooving and parting-off tool with precision cooling
- Screw clamping on the side for easy insert changeover
- New clamping method: 30% higher clamping forces compared to conventional tools on the market
- Innovative new positive engagement on the rear insert locating surface
- Shank sizes: 10 × 10, 12 × 12, 16 × 16, 20 × 20 mm

THE INDEXABLE INSERT

- Double-edged DX18 cutting inserts with positive engagement
- Insert widths: 1.5/2.0/2.5/3.0 mm



Powered by
Tiger-tec[®]Silver

Walter G4014 -P/ DX18 parting-off system

Fig.: G4014-1616R-3T17DX18-P

BENEFITS FOR YOU

- Reliable thanks to positive engagement design (no incorrect fitting of the cutting insert, particularly for small insert widths)
- Tool change time reduced by 70% thanks to simple insert changeover in the machine
- Increased cutting parameters and tool life thanks to new insert clamping
- Maximum productivity and tool life thanks to new generation Tiger-tec[®] Silver PVD grade

Example from practice

Description

Swiss type auto lathe with bar loader:
The new Walter Cut G4014-P grooving system was used for parting off.
This enabled the cutting inserts to be changed directly in the machine for the first time.

Benefit

The G4014-P grooving system with SmartLock enables inserts to be changed quickly in the machine – reducing change times by up to 70%!

Tools used

Tool: G4014-1616R-3T17DX18
Cutting insert: DX18-2E300N02-CF5
WSM33S
Material: X8Cr-Ni-S18-9 (1.4305)
 v_c [m/min]: 80
 f [mm]: 0.12

"Decisive advantages are the simple handling and excellent process reliability"

*Markus Stumm,
Product Manager for Grooving
at Walter AG*



Manufacture of shafts

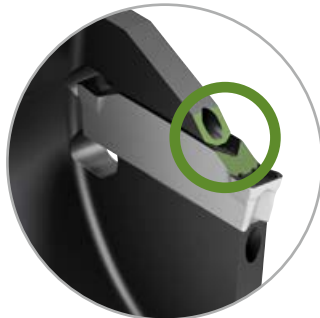
+300%

THE APPLICATION

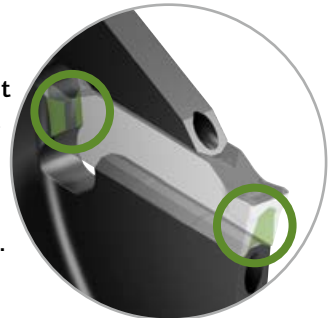
- Automatic lathe and multi-spindle machines having up to 150 bar of coolant pressure
- Parting off with low burr and pip formation (by 6°, 7° and 15° angled parting off inserts)
- Grooving and parting off along the main or counter spindle up to dia. 35 mm for flexible use
- For replaceable components (as tool operation can be modified)

THE TECHNOLOGY

Raised insert design protects the top clamp and produces short chips



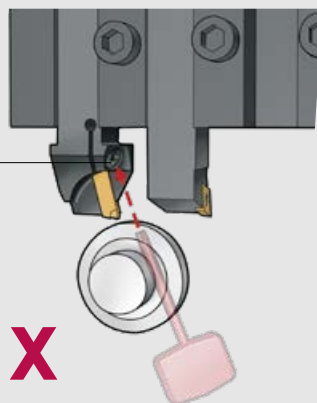
The positive engagement in the insert seat enables reliable installation and ensures maximum stability.



INDEXABLE INSERT CHANGEOVER

Competitors

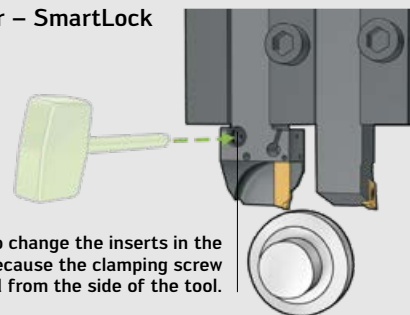
No insert changeover possible in the machine. The toolholder has to be removed at this point for you to have access to the clamping screw.



X

Walter – SmartLock

It is possible to change the inserts in the machine. This is because the clamping screw can be operated from the side of the tool.



✓

Grooving and recessing – fast and universal.

THE TOOL

Walter Cut G4011.../G4011-P monoblock shank tools

- Universal tool for grooving and recessing
- 25 × 25 mm: With and without precision cooling
- Insert widths: 2.0/2.5/3.0 and 4.0 mm
- Cutting depths: 10 mm (for recessing, grooving and parting off without diameter limit), 17.5 mm (with reinforced support)

Walter Cut G4041..R/L-P parting blades with reinforced shank

- Reinforced parting blades for parting off and grooving with and without precision cooling
- Available in right-hand, left-hand and contra versions
- Blade height: 26–32 mm

THE INDEXABLE INSERT

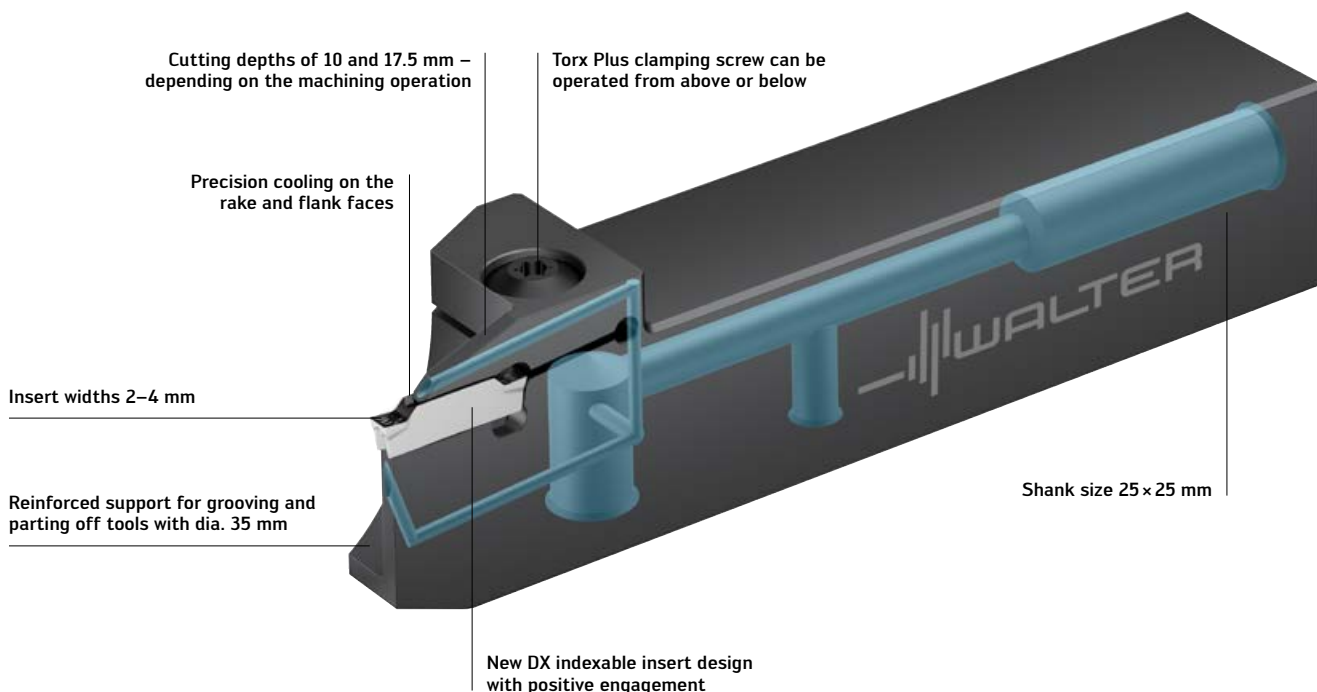
- Double-edged DX18 cutting inserts with positive engagement
- Insert widths: 1.5/2.0/2.5/3.0 and 4.0 mm
- PVD grades: WSM13S, WSM23S, WSM33S, WSM43S
- CVD grades: WKP13S, WKP23S, WKP33S

THE GEOMETRIES

- Parting off: CE4, CF5, CF6
- Grooving and parting off for a straight groove base: GD6, GD3
- Universal grooving and recessing: UA4, UD4, UF4
- Copy turning: RD4/RF7

THE APPLICATION

- Radial grooving and parting off, recessing, copy turning

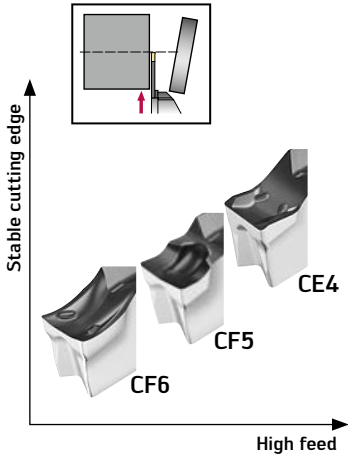


Walter Cut G4011 -P/ DX18 monoblock shank holder

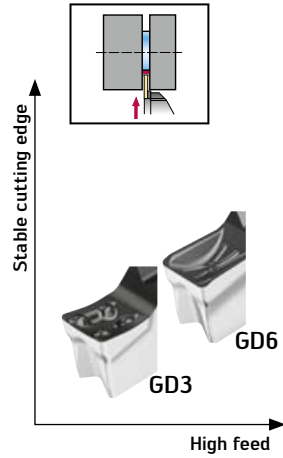
Fig.: G4011-2525R-3T17DX18-P

THE GEOMETRIES

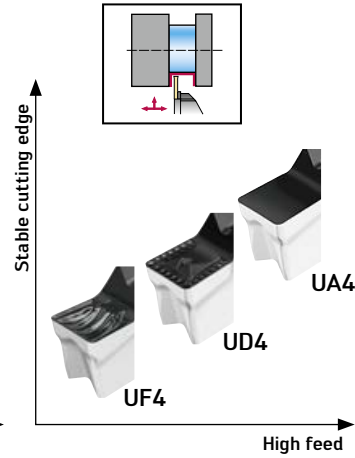
Cut-off



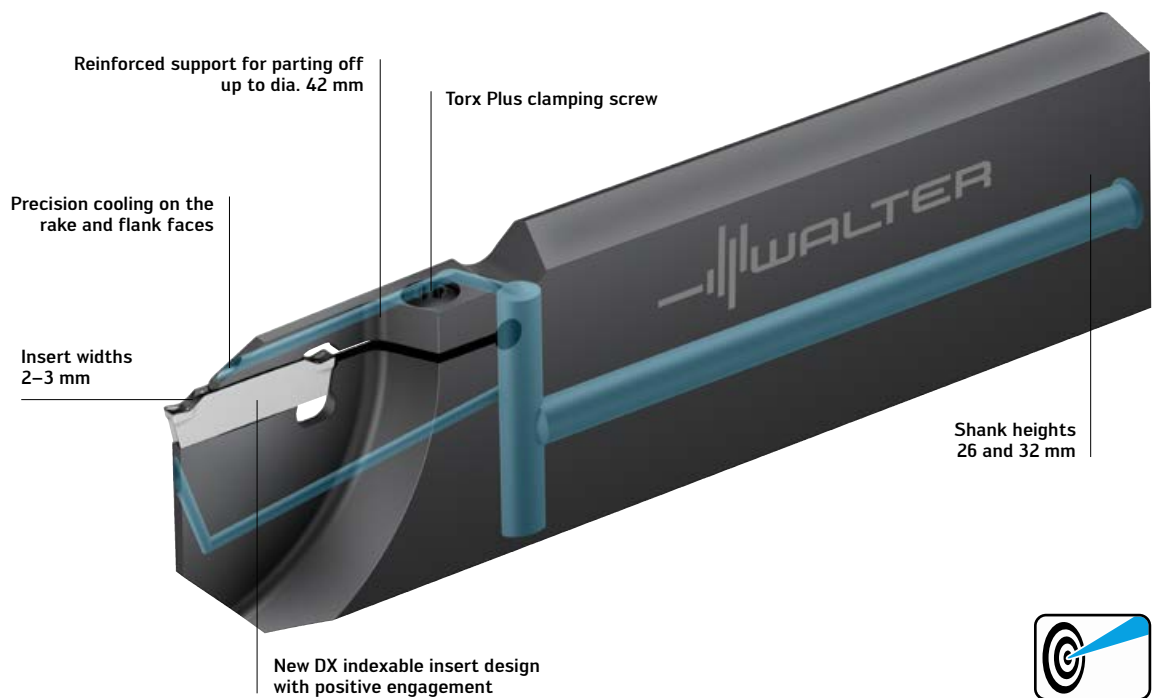
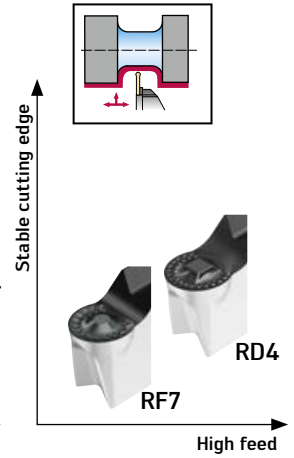
Grooving



Universal



Radius



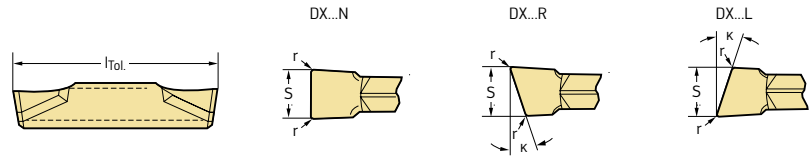
Walter Cut G4041 -P/ DX18 reinforced parting blade

Fig.: G4041-26R-2T17DX18C-P



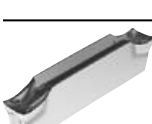
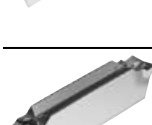



BENEFITS FOR YOU

- Reliable thanks to unique DX positive engagement design (no incorrect fitting of the cutting insert)
- G4011-P: High degree of flexibility – universal tool for all machining operations
- G4041-P: Greater stability and lower vibration thanks to reinforced parting blades with screw clamping

Grooving and parting off DX cutting inserts Tiger-tec® Silver



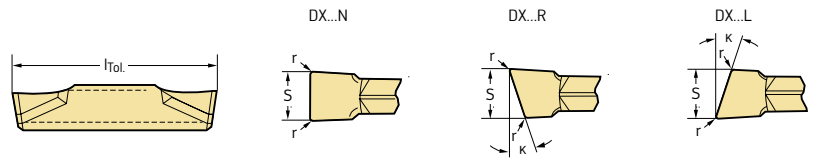
Cutting inserts

Designation	s mm	r mm	κ	l mm	f mm	S _{Tol} mm	l _{Tol} mm	P		M		K		S	
								HC		HC		HC		HC	
								WKP23S	WKP33S	WSM23S	WSM33S	WSM43S	WKP23S	WSM23S	WSM33S
 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			☉	☉			☉	☉
 DX18-1E150R10-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			☉				☉	
 DX18-1E150L10-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			☉				☉	
 DX18-1E150N01-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			☉	☉			☉	☉
 DX18-1E150R10-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			☉				☉	
 DX18-1E150L10-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			☉				☉	
 DX18-3F300N02-CF5	3	0,2		18	0,08-0,23	±0,05	±0,15			☉				☉	

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

HC = Coated carbide

Grooving and parting off DX cutting inserts Tiger-tec® Silver

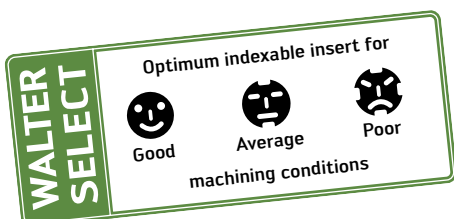


Cutting inserts

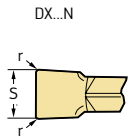
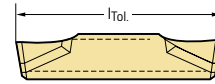
Designation	s mm	r mm	κ	l mm	f mm	S _{Tol} mm	l _{Tol} mm	P		M			K		S	
								HC		HC			HC		HC	
								WKP23S	WKP33S	WSM23S	WSM33S	WSM43S	WKP23S	WSM23S	WSM33S	WSM43S
DX18-1E150N01-CE4	1,5	0,15		18	0,03–0,12	±0,05	±0,15									
DX18-2E200N02-CE4	2	0,2		18	0,06–0,17	±0,05	±0,15	☺		☺	☺	☺	☺	☺	☺	☺
DX18-2E250N02-CE4	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	☺		☺	☺	☺	☺	☺	☺	☺
DX18-2E200R6-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			☺	☺			☺	☺	
DX18-2E200L6-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			☺	☺			☺	☺	
DX18-3F300N02-CE4	3	0,2		18	0,09–0,33	±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			☺	☺			☺	☺	

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




HC = Coated carbide



Grooving and recessing DX cutting inserts Tiger-tec® Silver



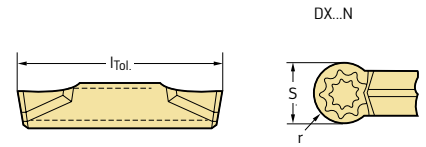
Cutting inserts

Designation	s mm	r mm	l mm	f mm	a _p mm	S _{Tol} mm	l _{Tol} mm	P		M			K		S		
								HC		HC		HC		HC			
								WKP13S	WKP23S	WKP33S	WSM23S	WSM33S	WSM43S	WKP23S	WSM23S	WSM33S	WSM43S
 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	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕
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-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	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕



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

HC = Coated carbide

Grooving and copy turning DX cutting inserts Tiger-tec® Silver



Cutting inserts

Designation	s mm	r mm	l mm	f mm	a _p mm	S _{Tol} mm	l _{Tol} mm	P		M		K		S		
								HC		HC		HC		HC		
								WKP23S	WKP33S	WSM23S	WSM33S	WSM43S	WKP23S	WSM23S	WSM33S	WSM43S
 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			☺				☺		
 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			☺	☺			☺	☺	

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

HC = Coated carbide

WALTER SELECT

Optimum indexable insert for

☺
Good

⚖️
Average

☹️
Poor

machining conditions

Find out more here
or at grooving.walter

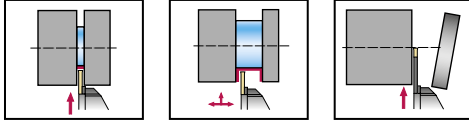
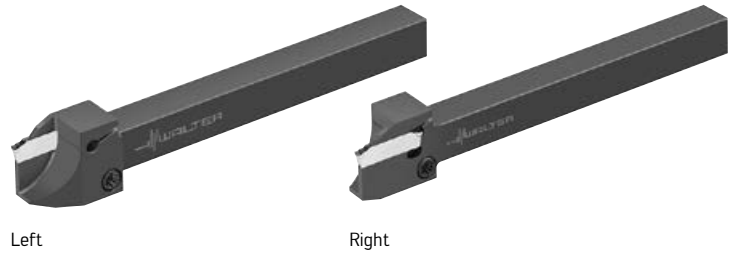


Shank tool – Radial grooving

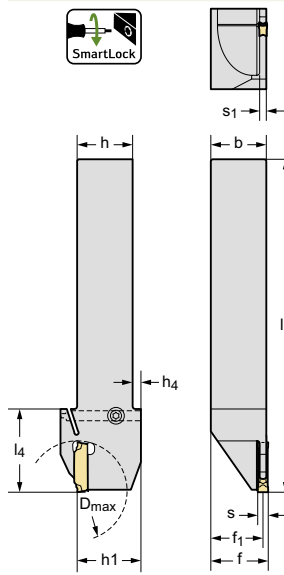
G4014 mm

Walter Cut

– Side screw clamping



Tool



Designation	s mm	D _{max} mm	h = h ₁ mm	b mm	f ₁ mm	l ₁ mm	h ₄ mm	l ₄ mm	Type							
G4014-1010R-1.5T10DX18	1.5	20	10	10	9,4	110	4	22	DX18-1E1 ..							
G4014-1212R-1.5T12DX18										25	12	12	11,4	110	3	22,3
G4014-1616R-1.5T12DX18										25	16	16	15,4	120	4	24
G4014-1010R-2T10DX18	2	20	10	10	9,2	110	4	22	DX18-2E2 ..							
G4014-1212R-2T12DX18										25	12	12	11,2	110	3	22,3
G4014-1616R-2T12DX18										25	16	16	15,2	120	4	24
G4014-1212R-3T12DX18	3	25	12	12	10,8	110	3	22,3	DX18-3E3 .. DX18-3F3 ..							
G4014-1616R-3T17DX18										35	16	16	14,8	120	4	30
G4014-2020R-3T17DX18										35	20	20	18,8	120	3	30
G4014-1010L-1.5T10DX18	1.5	20	10	10	9,4	110	4	22	DX18-1E1 ..							
G4014-1212L-1.5T12DX18										25	12	12	11,4	110	3	22,3
G4014-1616L-1.5T12DX18										25	16	16	15,4	120	4	24
G4014-1010L-2T10DX18	2	20	10	10	9,2	110	4	22	DX18-2E2 ..							
G4014-1212L-2T12DX18										25	12	12	11,2	110	3	22,3
G4014-1616L-2T12DX18										25	16	16	15,2	120	4	24
G4014-1212L-3T12DX18	3	25	12	12	10,8	110	3	22,3	DX18-3E3 .. DX18-3F3 ..							
G4014-1616L-3T17DX18										35	16	16	14,8	120	4	30
G4014-2020L-3T17DX18										35	20	20	18,8	120	3	30

Fig. shows right-hand version

$$f = f_1 + s/2$$

If no D₂ or D_{max} is specified, the tool has no diameter limit.
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h ₁ [mm]	10–12	16–20
	Clamping screw for grooving insert Tightening torque	FS2586 (Torx 15IP) 2,0 Nm	FS2585 (Torx 15IP) 3,0 Nm
	Blanking plug	FS2589	FS2589
	Torx key	FS1465 (Torx 15IP /SW 3,5)	FS1465 (Torx 15IP /SW 3,5)

Accessories

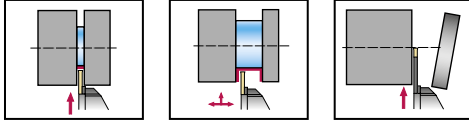
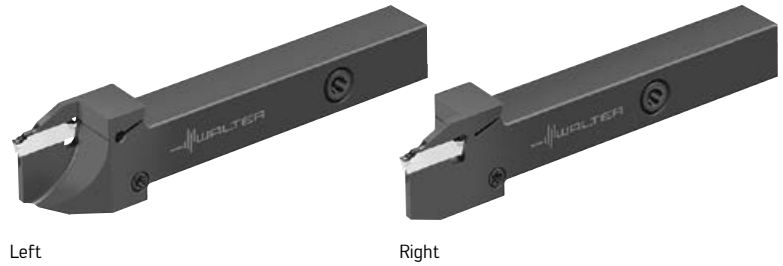
	h = h ₁ [mm]	10–20
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)

Shank tool – Radial grooving

G4014...-P

Walter Cut

- Side screw clamping
- Precision cooling



Tool	Designation	s mm	D _{max} mm	h = h ₁ mm	b mm	f ₁ mm	l ₁ mm	h ₄ mm	l ₄ mm	Type	
	G4014-1616R-2T12DX18-P	2	25	16	16	15,2	120	4	24	DX18-2E2 ..	
	G4014-1616R-2T17DX18-P		35	16	16	15,2	120	4	30	DX18-2E2 ..	
	G4014-1616R-2.5T17DX18-P		2,5	35	16	16	15	120	4	30	DX18-2E25 ..
	G4014-1616R-3T17DX18-P	3	35	16	16	14,8	120	4	30	DX18-3E3 .. DX18-3F3 ..	
	G4014-1616L-2T12DX18-P	2	25	16	16	15,2	120	4	24	DX18-2E2 ..	
	G4014-1616L-2T17DX18-P		35	16	16	15,2	120	4	30	DX18-2E2 ..	
	G4014-1616L-2.5T17DX18-P		2,5	35	16	16	15	120	4	30	DX18-2E25 ..
	G4014-1616L-3T17DX18-P	3	35	16	16	14,8	120	4	30	DX18-3E3 .. DX18-3F3 ..	

Fig. shows right-hand version

$$f = f_1 + s/2$$

If no D₂ or D_{max} is specified, the tool has no diameter limit.

For the connection set for coolant supply with G1/8" thread, see "Assembly parts and accessories"

The maximum recommended coolant pressure is 150 bar (2175 psi)

Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h ₁ [mm]	16
	Clamping screw for grooving insert Tightening torque	FS2585 (Torx 15IP) 3,0 Nm
	Blanking plug	FS2589
	G 1/8" threaded plug	FS2258 (SW 5)
	Torx key	FS1465 (Torx 15IP /SW 3.5)

Accessories

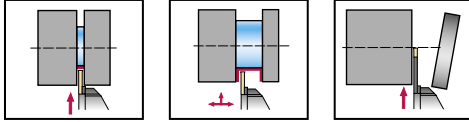
	h = h ₁ [mm]	16
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)

Shank tool – Radial grooving

G4011 mm

Walter Cut

– Screw clamping



Left

Right



Tool	Designation	s mm	T _{max} mm	D _{max} mm	h = h ₁ mm	b mm	f ₁ mm	l ₁ mm	l ₄ mm	s ₁ mm	Type
	G4011-2525R-2T10DX18	2	10		25	25	24,2	125	28	1,6	DX18-2E2 ..
	G4011-2525R-2T17DX18		17	35	25	25	24,2	125	33,5	1,6	
	G4011-2525R-2.5T17DX18	2,5	17	35	25	25	24	125	33,5	2,1	DX18-2E25 ..
	G4011-2020R-3T10DX18	3	10		20	20	18,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
	G4011-2525R-3T10DX18		10		25	25	23,8	125	28	2,4	
	G4011-2525R-3T17DX18		17	35	25	25	23,8	125	33,5	2,4	
	G4011-2020R-4T10DX18	4	10		20	20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2020R-4T17DX18		17		20	20	18,3	125	33,5	3,4	
	G4011-2525R-4T10DX18		10		25	25	23,2	125	33,5	3,4	
	G4011-2525R-4T17DX18		17		25	25	23,2	125	33,5	3,4	
	G4011-2525L-2T10DX18	2	10		25	25	24,2	125	28	1,6	DX18-2E2 ..
	G4011-2525L-2T17DX18		17	35	25	25	24,2	125	33,5	1,6	
	G4011-2525L-2.5T17DX18	2,5	17	35	25	25	24	125	33,5	2,1	
	G4011-2020L-3T10DX18	3	10		20	20	18,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
	G4011-2525L-3T10DX18		10		25	25	23,8	125	28	2,4	
	G4011-2525L-3T17DX18		17	35	25	25	23,8	125	33,5	2,4	
	G4011-2020L-4T10DX18	4	10		20	20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2020L-4T17DX18		17		20	20	18,3	125	33,5	3,4	
	G4011-2525L-4T10DX18		10		25	25	23,2	125	33,5	3,4	
	G4011-2525L-4T17DX18		17		25	25	23,2	125	33,5	3,4	

Fig. shows right-hand version

$$f = f_1 + s/2$$

 If no D₂ or D_{max} is specified, the tool has no diameter limit.

Bodies and assembly parts are included in the scope of delivery.

Assembly parts	h = h ₁ [mm] s [mm]	20 3–4	25 2–3	25 4
	Clamping screw for grooving insert Tightening torque	FS2118 (Torx 20IP) 5,0 Nm	FS2118 (Torx 20IP) 5,0 Nm	FS2118 (Torx 20IP) 5,0 Nm
	Torx key	FS1464 (Torx 20IP)	FS1464 (Torx 20IP)	FS1464 (Torx 20IP)

Shank tool – Radial grooving

G4011...-P

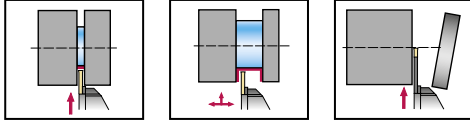
Walter Cut

- Screw clamping
- Precision cooling

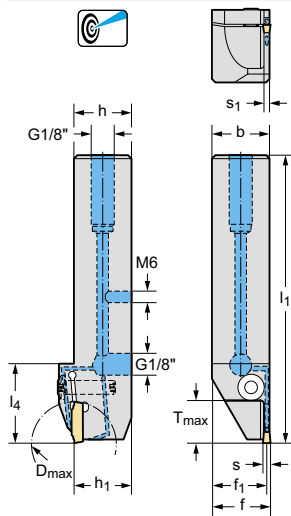


Left

Right



Tool



Designation	s mm	T _{max} mm	D _{max} mm	h = h ₁ mm	b mm	f ₁ mm	l ₁ mm	l ₄ mm	s ₁ mm	Type
G4011-2525R-2T17DX18-P	2	17	35	25	25	24,2	125	33,5	1,6	DX18-2E2 ..
G4011-2525R-2.5T17DX18-P	2,5	17	35	25	25	24	125	33,5	2,1	DX18-2E25 ..
G4011-2525R-3T17DX18-P	3	17	35	25	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
G4011-2020R-4T17DX18-P	4	17		20	20	18,3	125	33,5	3,4	DX18-4E4 ..
G4011-2525R-4T17DX18-P				25	25	23,3	125	33,5	3,4	DX18-4F4 ..
G4011-2525L-2T17DX18-P	2	17	35	25	25	24,2	125	33,5	1,6	DX18-2E2 ..
G4011-2525L-2.5T17DX18-P	2,5	17	35	25	25	24	125	33,5	2,1	
G4011-2525L-3T17DX18-P	3	17	35	25	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
G4011-2020L-4T17DX18-P	4	17		20	20	18,3	125	33,5	3,4	DX18-4E4 ..
G4011-2525L-4T17DX18-P				25	25	23,3	125	33,5	3,5	DX18-4F4 ..

Fig. shows right-hand version

$$f = f_1 + s/2$$

If no D₂ or D_{max} is specified, the tool has no diameter limit.

For the connection set for coolant supply with G1/8" thread, see "Assembly parts and accessories"

The maximum recommended coolant pressure is 150 bar (2175 psi)

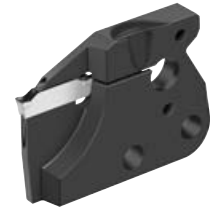
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h ₁ [mm]	20	25
	Clamping screw for grooving insert Tightening torque	FS2118 (Torx 20IP) 5,0 Nm	FS2118 (Torx 20IP) 5,0 Nm
	G 1/8" threaded plug	FS2258 (SW 5)	FS2258 (SW 5)
	M6 threaded plug		FS2288 (SW 3)
	Torx key	FS1464 (Torx 20IP)	FS1464 (Torx 20IP)

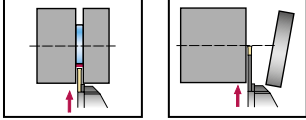
Grooving module – Radial grooving

G4634-P

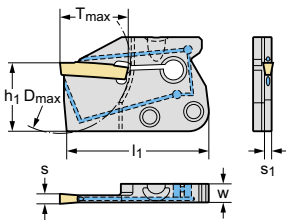


Walter Cut

- 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
G4634-33L-2T13DX18-P	2	13	26	24	4	36	1,6	DX18-2E2 ..
G4634-33L-2T16DX18-P		16	32	24	7,2	46	1,6	
G4634-33L-3T16DX18-P	3	16	32	24	7,2	46	2,4	DX18-3E3 .. DX18-3F3 ..

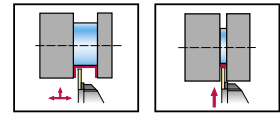
Fig. shows right-hand version

If no D₂ or D_{max} is specified, the tool has no diameter limit.
The maximum recommended coolant pressure is 150 bar (2175 psi)



Find out more here
or at grooving.walter

Cutting data for Walter Cut



Material group	Overview of the main material groups and code letters					Brinell hardness HB	Tensile strength R_m N/mm ²	Machining group ¹		Cutting material grades	
										Starting values for cutting speed v_c [m/min]	
										WSM13S	WSM23S
P	Non-alloyed steel	C ≤ 0,25%	Annealed	125	430	P1	●●●	200	190		
		C > 0,25... ≤ 0,55%	Annealed	190	640	P2	●●●	180	170		
		C > 0,25... ≤ 0,55%	Heat-treated	210	710	P3	●●●	170	160		
		C > 0,55%	Annealed	190	640	P4	●●●	190	180		
		C > 0,55%	Heat-treated	300	1010	P5	●●●	160	150		
		Free-machining steel (short-chipping)	Annealed	220	750	P6	●●●	190	180		
	Low-alloy steel	Annealed		175	590	P7	●●●	190	180		
		Heat-treated		285	960	P8	●●●	160	150		
		Heat-treated		380	1280	P9	●●●	160	150		
		Heat-treated		430	1480	P10	●●●				
	High-alloy steel and high-alloy tool steel	Annealed		200	680	P11	●●●	140	130		
		Hardened and tempered		300	1010	P12	●●●	120	110		
		Hardened and tempered		380	1280	P13	●●●				
	Stainless steel	Ferritic/martensitic, annealed		200	680	P14	●●●	190	180		
		Martensitic, heat-treated		330	1110	P15	●●●	120	100		
M	Stainless steel	Austenitic, quench hardened		200	680	M1	●●●	190	170		
		Austenitic, precipitation hardened (PH)		300	1010	M2	●●●	120	100		
		Austenitic/ferritic, duplex		230	780	M3	●●●	170	150		
K	Malleable cast iron	Ferritic		200	400	K1	●●●	190	180		
		Pearlitic		260	700	K2	●●●	170	160		
	Grey cast iron	Low tensile strength		180	200	K3	●●●	220	210		
		High tensile strength/austenitic		245	350	K4	●●●	180	170		
	Cast iron with spheroidal graphite	Ferritic		155	400	K5	●●●	220	210		
		Pearlitic		265	700	K6	●●●	180	170		
	GGV (CGI)		230	400	K7	●●●					
N	Wrought aluminium alloys	Not hardenable		30	-	N1	●●●				
		Hardenable, hardened		100	340	N2	●●●				
	Cast aluminium alloys	≤ 12% Si, not hardenable		75	260	N3	●●●				
		≤ 12% Si, hardenable, hardened		90	310	N4	●●●				
		> 12% Si, not hardenable		130	450	N5					
	Magnesium-based alloys			70	250	N6					
		Copper and copper alloys (bronze/brass)	Unalloyed, electrolytic copper		100	340	N7	●●●			
			Brass, bronze, red brass		90	310	N8	●●●			
			Cu alloys, short-chipping		110	380	N9	●●●			
			High tensile, Ampco		300	1010	N10				
S	Heat-resistant alloys	Fe-based	Annealed	200	680	S1	●●●	110	100		
			Hardened	280	940	S2	●●●	60	50		
		Ni- or Co-based	Annealed	250	840	S3	●●●	90	80		
			Hardened	350	1180	S4	●●●	80	70		
			Cast	320	1080	S5	●●●	80	70		
	Titanium alloys	Pure titanium		200	680	S6	●●●	160	150		
		α and β alloys, hardened		375	1260	S7	●●●	45	40		
		β alloys		410	1400	S8	●●●	35	30		
	Tungsten alloys		300	1010	S9						
	Molybdenum alloys		300	1010	S10						
H	Hardened steel	Hardened and tempered		50 HRC	-	H1					
		Hardened and tempered		55 HRC	-	H2					
		Hardened and tempered		60 HRC	-	H3					
	Hardened cast iron	Hardened and tempered		55 HRC	-	H4					
O	Thermoplastics	Without abrasive fillers				O1					
	Thermosets	Without abrasive fillers				O2					
	Plastic, glass fibre reinforced	GFRP				O3					
	Plastic, carbon fibre reinforced	CFRP				O4					
	Plastic, aramid fibre reinforced	AFRP				O5					
	Graphite (technical)		80 Shore			O6					

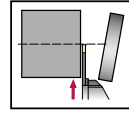
- Recommended application (the specified cutting data is regarded as starting values for the recommended application)
- Possible application

Note:

- The specified cutting data indicates standard values. For specific applications, adjustment is recommended.
- If dry machining is possible, the tool life is reduced by 20–30% on average.

¹ The classification of the machining groups can be found from page A 468 onwards in the General Catalogue.

1. Grooving and recessing



2. Parting off


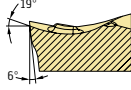


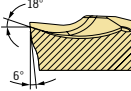


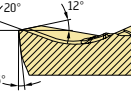


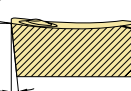


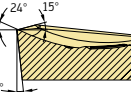

Cutting material grades							Cutting material grades					
Starting values for cutting speed v_c [m/min]							Starting values for cutting speed v_c [m/min]					
HC							HC					HW
WSM33S	WSM43S	WKP13S	WKP23S	WKP33S	WTA33	WSM13S	WSM23S	WSM33S	WSM43S	WKP23S	WK1	
↕	↕	↕	↕	↕	↕	↑	↑	↑	↑	↑	↑	
180	170	220	200	180	190	190	180	170	160	190		
170	160	200	180	170	180	180	170	160	150	170		
150	140	190	170	160	160	160	150	140	130	160		
170	160	200	180	170	180	180	170	160	150	170		
140	130	170	150	150	120	150	140	130	120	140		
170	160	200	180	170	180	180	170	160	150	170		
160	150	200	180	160	180	180	170	150	140	170		
110	100	170	150	150	150	150	140	100	90	140		
100	100	170	150	130	130	150	140	90	90	140		
		100	80	60								
120	110	180	170	160	180	130	120	110	100	120		
90	80	160	150	140	140	110	100	80	70	100		
		100	80	60								
160	140	200	180	160	180	180	170	150	130			
80	60	130	120	110	100	100	90	70	50			
150	130				150	170	160	140	120			
80	60	130	120	110	100	100	90	70	50			
130	110				130	150	140	120	100			
170		190	160	140	100	180	170	160		180		
150		170	130	100	60	160	150	140		160		
200		350	330	250	260	230	220	210		230		
160		310	300	290	210	190	180	170		190		
200		300	290	280	240	210	200	190		210		
160		260	250	240	190	170	160	150		170		
		220	200	180						190		
											900	
											600	
											350	
											250	
											400	
											300	
											200	
90	80					100	90	80	70			
40	30					50	40	30	25			
70	60					80	70	60	50			
60	50					70	60	50	40			
60	50					70	60	50	40			
130	120					150	140	130	110			
35	30					50	40	30	25			
25						40	30	25				

HC = Coated carbide
HW = Uncoated carbide

The specified cutting data are average standard values.
For specific applications, adjustment is recommended.


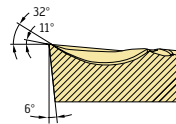

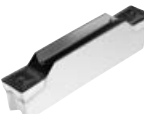
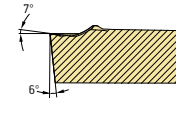


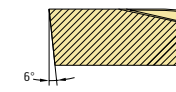

Geometry overview of cutting inserts

DX system: Grooving and parting off


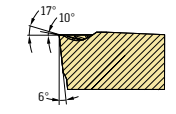


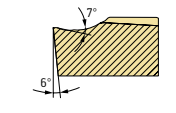

Geometry	Remarks/ field of applications	Material groups							Main cutting edge section	View of main cutting edge	s [mm]	f [mm]
		P	M	K	N	S	H	O				
 <p>CF6 – Low feeds – Low burr/centre pip formation – Low cutting force</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>			1,5	0,03–0,12	
										2	0,03–0,14	
										2,5	0,03–0,18	
										3	0,04–0,23	
 <p>CF5 – Grooving and parting off operations – Light to moderate feeds – Good chip control – Low burr/centre pip formation</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>			1,5	0,03–0,12		
									2	0,04–0,15		
									2,5	0,05–0,18		
									3	0,08–0,23		
 <p>CE4 – Grooving and parting off operations – Moderate to high feeds – Good chip constrictio – Stable cutting edge</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>			1,5	0,03–0,12		
									2	0,06–0,17		
									2,5	0,07–0,21		
									3	0,09–0,33		
 <p>GD3 – Extremely soft cutting action – Light to moderate feeds – General parting off and grooving operations</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>			2	0,04–0,15		
									2,5	0,04–0,17		
									3	0,06–0,21		
									4	0,10–0,23		
 <p>GD6 – Moderate feeds – Long-chipping materials – Moderate machining conditions</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>	<p>●● ●● ●● ●● ●● ●● ●●</p>			2	0,04–0,14		
									2,5	0,06–0,20		
									3	0,08–0,21		
									4	0,10–0,25		

- Primary application
- Additional application

DX system: Grooving, parting off and recessing

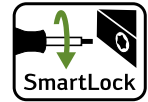
Geometry	Remarks/ field of applications	Material groups							Main cutting edge section	View of main cutting edge	s [mm]	a _p [mm]	f [mm]
		P Steel	M Stainless steel	K Cast iron	N NF metals	S Materials with difficult cutting properties	H Hard materials	O Other					
 <p>UF4 – All grooving operations – Good chip control – Average feed range – Positive cut</p>		●●	●●	●●	●	●					2	0,3–1,2	0,10–0,18
											2,5	0,3–1,3	0,10–0,21
											3	0,4–2,0	0,10–0,23
											4	0,3–2,8	0,10–0,33
 <p>UD4 – Large chip breaking range – Optimum chip breaking when machining forged parts – Stable cutting edge – For moderate to high feeds</p>		●●	●	●●						2	0,3–1,2	0,10–0,18	
										3	0,4–2,0	0,10–0,23	
										4	0,5–2,8	0,10–0,33	
 <p>UA4 – For cast iron machining – For middle to high machining parameters – For maximum process reliability in cast iron machining</p>			●●		●					2	0,3–1,2	0,08–0,18	
										3	0,4–2,0	0,10–0,25	
										4	0,5–2,8	0,10–0,38	

DX system: Full radius cutting inserts for grooving and copy turning

Geometry	Remarks/ field of applications	Material groups							Main cutting edge section	View of main cutting edge	s [mm]	a _p [mm]	f [mm]
		P Steel	M Stainless steel	K Cast iron	N NF metals	S Materials with difficult cutting properties	H Hard materials	O Other					
 <p>RF7 – For copy and relief turning – High surface quality – Stable cutting edge</p>		●●	●●	●	●	●●					2	0,1–1,0	0,08–0,26
											3	0,1–1,5	0,10–0,33
											4	0,1–2,0	0,12–0,48
 <p>RD4 – For copy turning – Outstanding chip control when grooving – For moderate to high feeds – Fully sintered circumference</p>		●●	●	●●	●					2	0,2–1,0	0,08–0,28	
										3	0,5–1,5	0,10–0,38	

- Primary application
- Additional application

Assembly instructions for Walter Cut DX

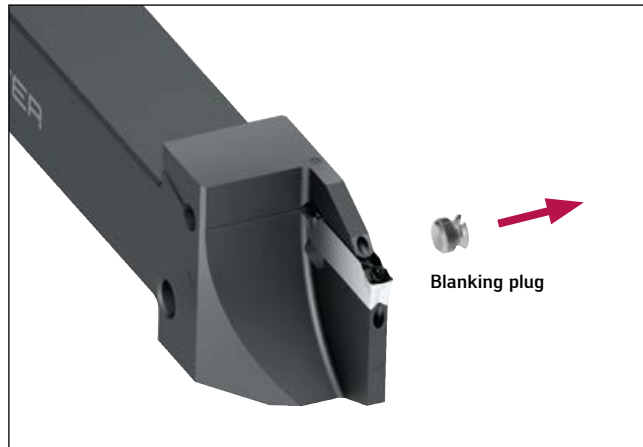


Purpose: The tool activation side can be converted as required.

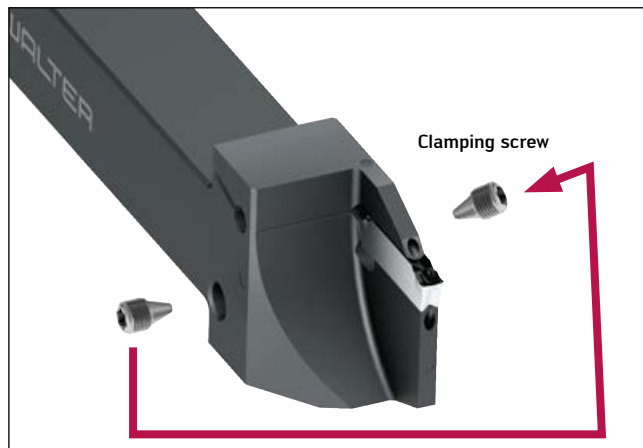
The Torx 15IP clamping screw is delivered fitted on the left-hand side of the toolholder. To fit this screw on the other side, follow the instructions below:

Important: Conversion is only possible when the indexable insert is fitted.

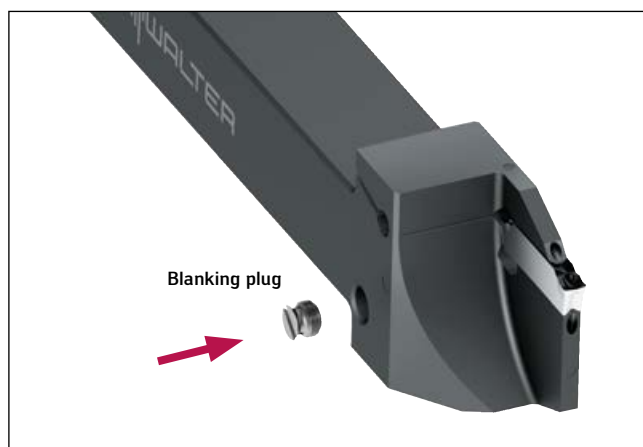
1. Remove the blanking plug on the right-hand side of the toolholder using a slotted screwdriver.



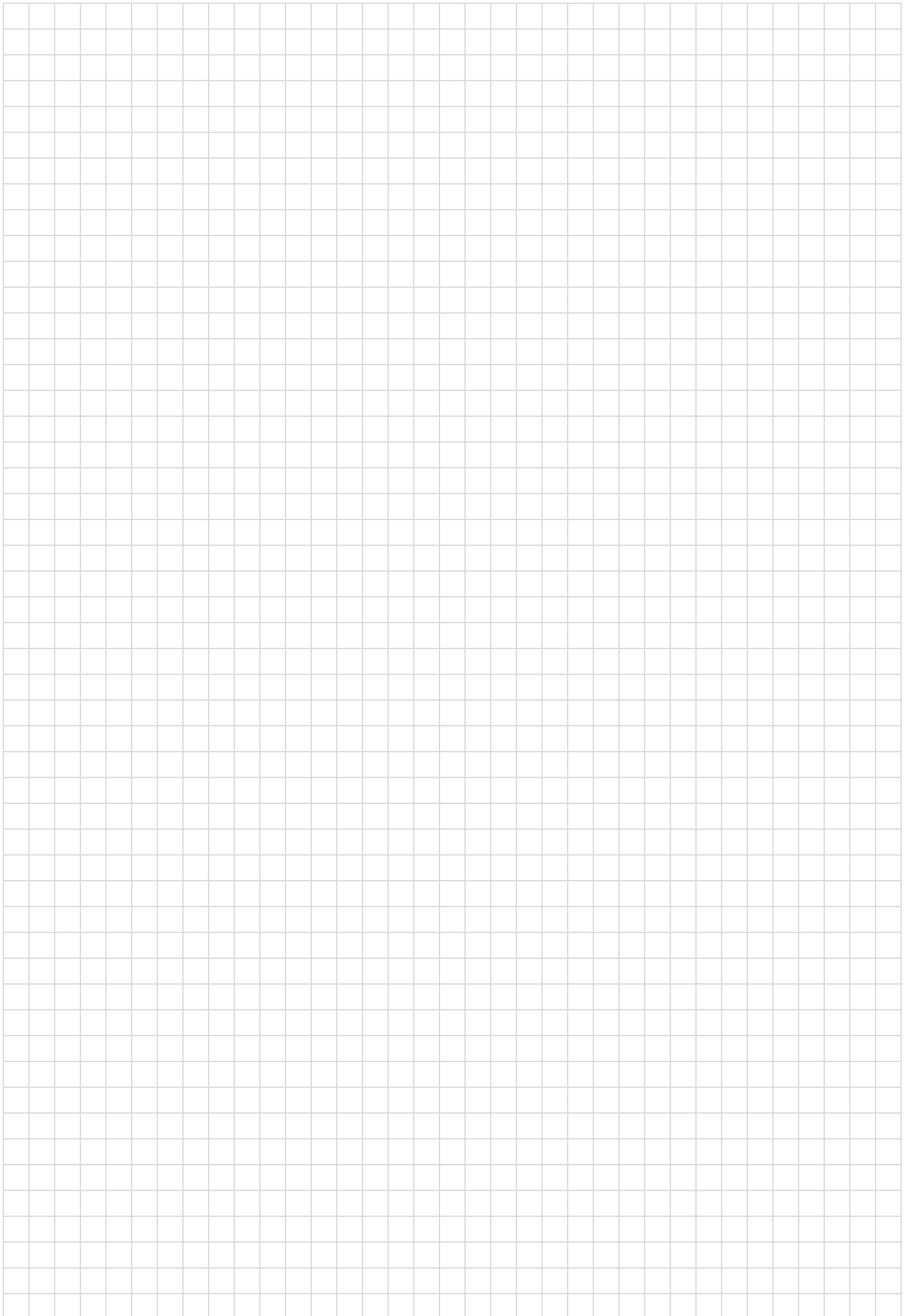
2. Unscrew the Torx 15IP clamping screw from the left-hand side and screw it into the right-hand side at the prescribed torque.

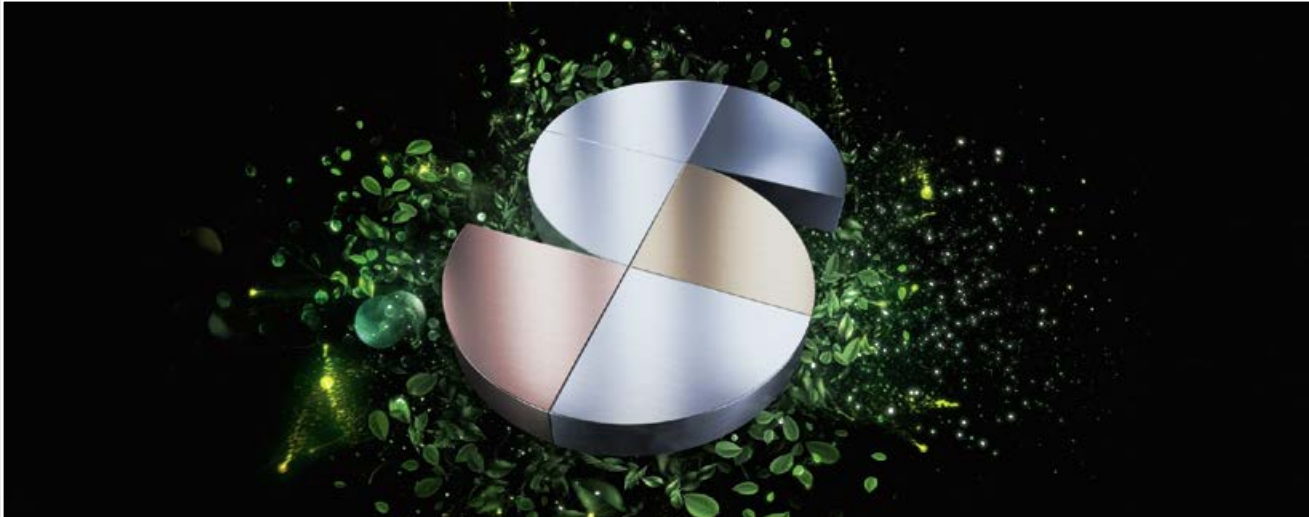


3. Screw the screw plug back into the left-hand side of the toolholder, which is now free, to protect against contamination.



[Link to the video with conversion instructions](#)





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 CO₂-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 GPS



Your navigation system for the best machining solution.


Find the right tool with a click of the mouse.

In just four clicks, Walter GPS takes you from the definition of your target to the most cost-efficient tool and machining solution. Walter GPS is surprisingly comprehensive. Be it holemaking, threading, turning or milling: Full information on all tools from Walter, Walter Titex and Walter Prototyp can be displayed in an instant. Access essential usage data, such as accurate cutting data or precise cost-efficiency calculations, on your screen.

Walter GPS is now also available for smartphones and tablet PCs. This means that you are able to access all the required tool information at any time, wherever you are, even without a PC: In the workshop, at the machine or on the move.



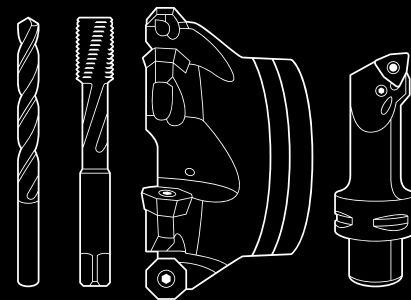
walter-tools.com

 **WALTER**
Engineering Kompetenz

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

Timișoara, 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.

Istanbul, 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) 3045 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

名古屋市南区名駅二丁目 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.kr@walter-tools.com

한국발터(주)

경기도 안양시 동안구 학의로 282
금강펜테리움 106호 14056
+82 (0) 31 337 6100, service.kr@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