

\_ THE CHOICE OF THE CHAMPIONS.

# Walter Programme and Innovations 2024



# 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](http://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](http://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



**TOOLSHOP**



**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.

	Page
<b>A – Turning</b>	<b>11</b>
A1: ISO turning	12
A2: Grooving	95
A3: Thread turning	139
<b>B – Drilling</b>	<b>143</b>
B1: Drilling from solid	144
B2: Boring and precision boring	244
B3: Reaming	260
<b>C – Threading</b>	<b>265</b>
C1: Tapping	266
C2: Thread forming	292
C3: Thread milling	296
<b>D – Milling</b>	<b>321</b>
D1: Solid carbide milling tools	322
D2: Milling tools with indexable inserts	386
<b>E – Boring bars/adaptors</b>	<b>439</b>
E1: Stationary boring bars/adaptors	440
E2: Rotating boring bars/adaptors	448





# The structure of the Walter Catalogue

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



Milling tools with indexable inserts

### Face milling cutters

			
Machining			
Lead angle $\kappa$	45°	45°	45°
			
Designation	M5009 Xtra-tec® XT	M4003	M3024 Walter BLAXX
Diameter range [mm] [inch]	40-160 1,500-6,000	20-160 0,750-6,000	40-160 2,000-6,000
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	●	●	●
D Other	●	●	●
Indexable inserts			
	SNX... XNGX...ANN...	SD... SDHX...	XN U0705... XNGX0705...
Number of cutting edges	8 / 2	4 / 1	14 / 2
Max. depth of cut [mm]	5 - 6	4,5 - 6,5	4 - 6
Page in catalogue	390	394	388
QR code			
	<a href="http://www.walter-tools.com/woc/M5009">www.walter-tools.com/woc/M5009</a>	<a href="http://www.walter-tools.com/woc/M4003">www.walter-tools.com/woc/M4003</a>	<a href="http://www.walter-tools.com/woc/M3024">www.walter-tools.com/woc/M3024</a>
	M5009	M4003	M3024
			F4045
			F4045

**WALTER SELECT** ●● Primary application ● Other application

Face milling cutters 329

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

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

**NEW**

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



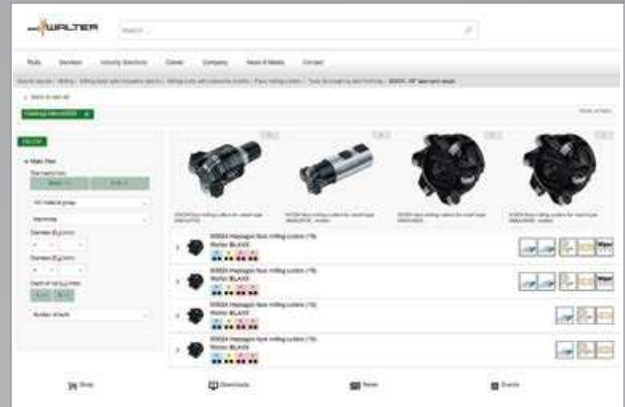
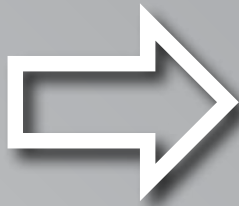
Indexable inserts and tools with these red icons are new to the range and are labelled in this way on the ordering page.

## Scan the QR code

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



M3024



## Direct link

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

[www.walter-tools.com/woc/M3024](http://www.walter-tools.com/woc/M3024).

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



## Detailed overview of product data

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

**Heptagon face milling cutters**  
M3024  
Walter BLAXX

> 14 cutting edges per indexable insert

M3024

Key (explanation of symbols)

Switch to inch values

Designation	D <sub>1</sub> mm	D <sub>2</sub> mm	D <sub>3</sub> mm	f <sub>4</sub> mm	L <sub>1</sub> mm
Parallel bore DIN 138 transverse keyway - $\alpha=45^\circ$ - metric (4)	83 - 125	75.96 - 137.86	22 - 40/40 E	40 - 63	8
M3024-093-832-05-06 Availability	83	75.96	22	40	8
M3024-096-827-06-06 Availability	90	92.96	27	60	8
M3024-100-827-07-08 Availability	100	112.96	32	60	8
M3024-125-840-08-08 Availability	125	137.86	40/40 E	63	8
Parallel bore DIN 138 transverse keyway - $\alpha=90^\circ$ - metric (1)	90	172.96	40/40 E	63	8

# 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.

## **Drion-tec™**

Drion-tec™ is the name for Walter's drilling and reaming tool solutions with a replaceable cutting edge – both with indexable inserts and exchangeable inserts. Drion-tec™ drills are set apart by their cost-efficiency, high precision and versatility. Thanks to a wide product range, they are suitable for specialised mass production as well as for specific applications and mixed-mode manufacturing.

## **Krato-tec™**

Krato-tec™ is a unique Walter coating technology for solid carbide tools. The core of this consists of an extraordinarily fracture-resistant AlTiN multi-layer coating with a textured top layer. The special layer architecture is highly wear- and adhesion-resistant, even at high cutting speeds, and ensures the tools have universal application.

## **Tiger-tec®Gold**

Tiger-tec® Gold, the new Walter generation platform for unique indexable insert coatings, enables maximum tool life and process reliability. The new grades are based on PVD, CVD or ULP technology, depending on the application. Unique coating properties, protected by multiple patents, guarantee the best protection against tool life-limiting types of wear and ensure outstanding performance.

## **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.

## **Thrill-tec™**

Thrill-tec™ circular drill/thread mills combine three functions in one tool and operation: Chamfering, drilling core holes and producing threads. The tools boast a special combination of substrate, coating and geometry, resulting in long tool life. Bringing together multiple machining steps makes incredibly short machining times possible and reduces the number of tools used and machine slots required.

## **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<sub>2</sub> emissions with environmental conservation projects.

## **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.

## **Walter Precision XT**

Precision boring tools are always used to finish an existing bore or to improve the precision of existing bores, for instance by correcting their position, narrowing the hole tolerance, or enhancing the surface quality. Precision boring is typically performed using a depth of cut < 0.5 mm (0.02 inches).

## **Walter Boring XT**

Tools for rough boring are used to expand existing bores. Material removal is a key element of this process. The bore to be enlarged is machined in advance or created using casting or forging processes. The rough boring tools themselves can also be used for radial offsetting and multi-edge boring.

## **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<sub>2</sub> emissions through Walter Green.

## **X-treme Evo**

For Walter, the X-treme Evo DC260 & DC160 Advance solid carbide drills as well as the X-treme Evo Plus DC180 Supreme and X-treme Evo 3 DC183 Supreme are the embodiment of the “next generation of drilling”, offering versatility for a wide range of materials and machine concepts – with outstanding tool life, productivity and process reliability.

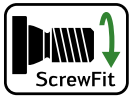
## Technologies at Walter (continued)



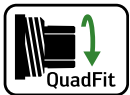
Walter Capto™ is a modular tool adaptor system. It is suitable for all turning, milling, drilling and threading processes. Its ISO-standardised polygon taper absorbs torsional moments and bending moments extremely well and ensures optimal repeat accuracy.



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.



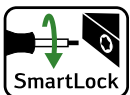
The precision-ground QuadFit interface with taper and support face characterises the precision of the vibration-damped boring bars for turning and thread turning with Walter Accure-tec® technology. The exchangeable head system, which can be rotated by 180°, makes it possible to rapidly replace tools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

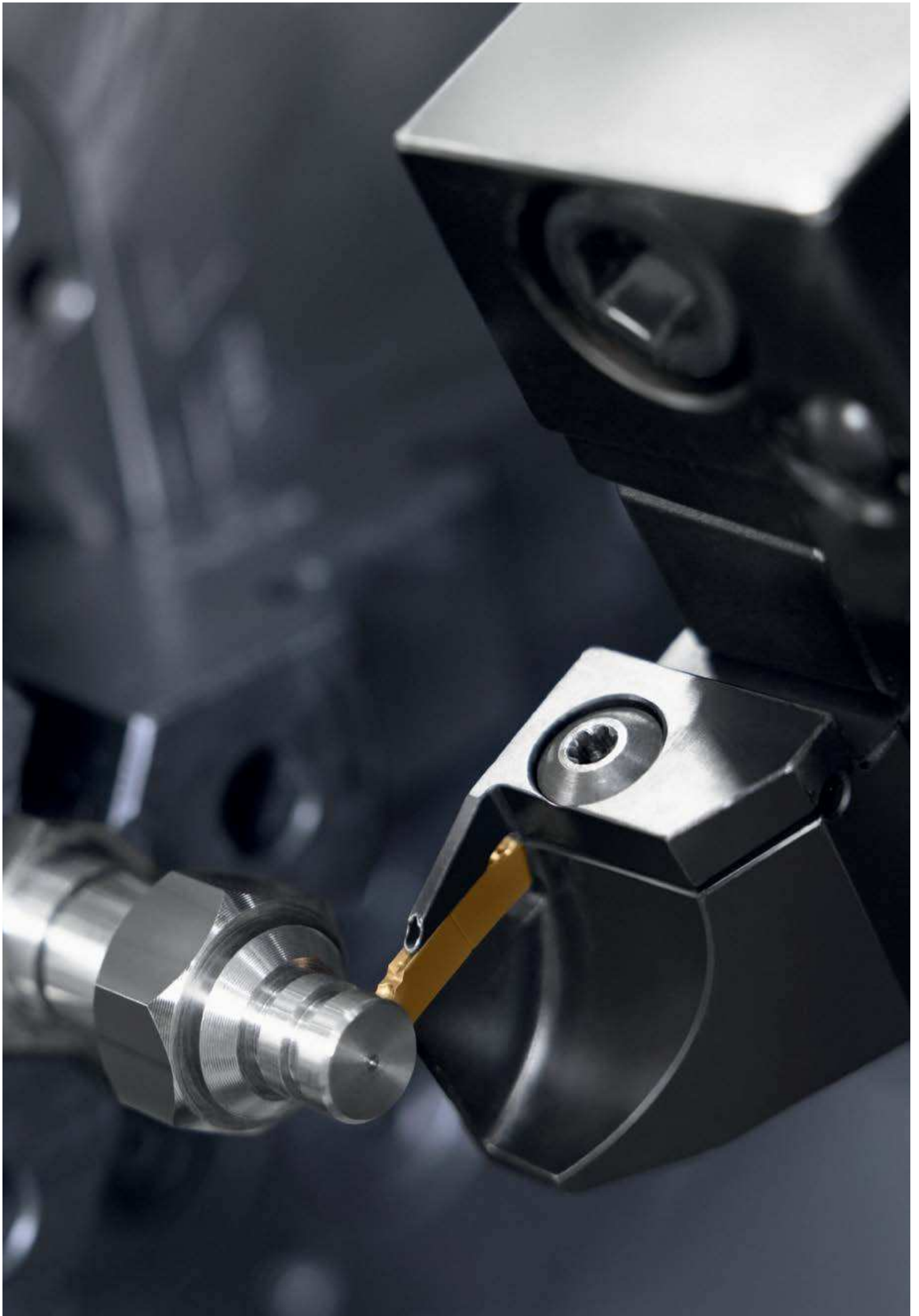


On Walter turning toolholders with "SmartLock", the clamping screw can be operated from the side of the tool. This makes it possible to index the inserts in the machine quickly and easily. Tool change times are reduced as a result. Ideal for use on CNC lathe and multi-spindle machines.



**Krato-tec™**

























## A – Turning

A1: ISO turning		Page	
<b>Indexable inserts</b>	Product range overview		
	ISO indexable inserts – Negative basic shape	12	
	ISO indexable inserts – Positive basic shape	15	
	Inserts copy turning system – WL	18	
	ISO indexable inserts – CBN/PCD/ceramic	19	
	Order pages		
	ISO indexable inserts – Negative basic shape	22	
	ISO indexable inserts – Positive basic shape	34	
	Inserts copy turning system – WL	47	
	<b>Walter Turn turning tools – External machining</b>	Product range overview	
		Shank tools – Negative basic shape	49
Shank tools – Positive basic shape		55	
Shank tool – WL copy turning system		59	
Shank tool – Ceramic indexable inserts		61	
Walter Capto™ turning toolholders – Negative basic shape		62	
Walter Capto™ turning toolholders – Positive basic shape		65	
Walter Capto™ – WL copy turning system		67	
Walter Capto™ turning toolholders – Ceramic indexable inserts		68	
Walter Capto™ turning toolholders – Turning and milling centres		69	
Order pages			
Shank tools – Positive basic shape	70		
<b>Walter Turn turning tools – Internal machining</b>	Product range overview		
	Boring bars – Negative basic shape	79	
	Boring bars – Positive basic shape	81	
	Boring bar adaptor	85	
	Boring bars – WL copy turning system	86	
	Walter Capto™ boring bars – Negative basic shape	87	
	Walter Capto™ boring bars – Positive basic shape	88	
	QuadFit exchangeable heads	89	
	Vibration-damped boring bar adaptor – Accure-tec	92	
	Boring bars – QuadFit exchangeable head	93	
	Walter Turn turning tools – Internal machining	94	
<b>A2: Grooving</b>		Page	
<b>Cutting inserts</b>	Product range overview		
	Cutting inserts	95	
	Order pages		
	Cutting inserts	102	
<b>Shank tools</b>	Product range overview		
	Shank tools/parting blades	122	
	Walter Capto™ groove turning holders	131	
	Boring bars	133	
	QuadFit exchangeable head	135	
	Order pages		
Shank tools/parting blades	136		
<b>A3: Thread turning</b>		Page	
<b>Indexable inserts</b>	Product range overview		
	Indexable inserts	139	
<b>Walter NTS threading tools</b>	Walter NTS threading tools	140	

## ISO indexable inserts – Negative basic shape

Machining	Finishing operation				Medium machining
	Selection			Selection	
					
Geometry	FW5	FM5	NFT	FP5	MW5
Indexable inserts basic shape	C, D, T, W	C, D, S, T, V, W	C, D, V	C, D, S, T, V, W	C, D, T, W
P Steel	●●	●		●●	●●
M Stainless steel	●●	●●	●		●●
K Cast iron	●●			●	●●
N NF metals			●		
S Materials with difficult cutting properties	●	●●	●●		●
H Hard materials					
O Other					
$a_p$ [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	22			22	22
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	FW5	FM5	NFT	FP5	MW5

Machining	Medium machining				
			Selection		Selection
					
Geometry	MN3	NMS	MS3	NMT	MP3
Indexable inserts basic shape	C, D, V, W	C, D, S, T, V, W	C, D, T, V, W	C, D, W	C, D, S, T, V, W
P Steel	●		●	●●	●●
M Stainless steel	●	●	●		
K Cast iron					●
N NF metals	●●		●		
S Materials with difficult cutting properties	●	●●	●●	●●	
H Hard materials					
O Other					
$a_p$ [mm]	0,5–4,0	0,5–3,5	0,2–5,0	0,4–4,0	0,3–3,5
$f$ [mm]	0,05–0,40	0,08–0,45	0,02–0,50	0,08–0,32	0,06–0,40
Page in catalogue			22		22
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	MN3	NMS	MS3	NMT	MP3

WALTER SELECT

●● Primary application ● Other application









## ISO indexable inserts – Negative basic shape

Machining	Medium machining				Roughing
		Selection	Selection		
Geometry	MM5	MP5	MU5	MK5	NRS
Indexable inserts basic shape	C, D, S, T, V, W	C, D, S, T, V, W	C, D, S, T, W	C, D, S, T, V, W	C, D, S, T, W
P Steel	●	●●	●●	●	
M Stainless steel	●●		●●		●
K Cast iron		●	●	●●	
N NF metals					
S Materials with difficult cutting properties	●●		●		●●
H Hard materials					
O Other					
$a_p$ [mm]	0,5–4,5	0,5–8,0	0,5–7,0	0,2–8,0	0,8–9,0
$f$ [mm]	0,10–0,45	0,10–0,55	0,15–0,55	0,10–0,80	0,13–0,60
Page in catalogue		22	22		
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	MM5	MP5	MU5	MK5	NRS











Machining	Roughing				
		Selection	Selection	Selection	
Geometry	NRT	RM5	RP5	RP7	RK5
Indexable inserts basic shape	C, S	C, D, S, T, W	C, D, R, S, T, W	C, S, T, W	C, D, R, S, T, V, W
P Steel		●	●●	●●	
M Stainless steel		●●	●		
K Cast iron			●	●●	●●
N NF metals					
S Materials with difficult cutting properties	●●	●●			
H Hard materials					●
O Other					
$a_p$ [mm]	0,8–9,0	1,2–8,0	0,8–13,0	0,8–10,0	0,6–8,0
$f$ [mm]	0,18–0,80	0,20–0,80	0,15–1,20	0,18–1,00	0,15–0,90
Page in catalogue		22	23	23	
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	NRT	RM5	RP5	RP7	RK5











**WALTER SELECT** ●● Primary application ● Other application

## ISO indexable inserts – Negative basic shape

Machining	Roughing	Heavy machining		
		<b>Selection</b> 	<b>Selection</b> 	<b>Selection</b> 
<b>Geometry</b>	<b>RK7</b>	<b>HU3</b>	<b>HU5</b>	<b>HU7</b>
<b>Indexable inserts basic shape</b>	C, D, S, T, W	C, D, S, T, W	C, D, S	C, S, T
<b>P</b> Steel		●●	●	●●
<b>M</b> Stainless steel		●	●●	●
<b>K</b> Cast iron	●●	●	●	●●
<b>N</b> NF metals				
<b>S</b> Materials with difficult cutting properties			●●	
<b>H</b> Hard materials	●●			
<b>O</b> Other				
<b>a<sub>p</sub> [mm]</b>	0,8–8,0	0,8–12,0	1,0–12,0	1,5–17,0
<b>f [mm]</b>	0,20–0,80	0,25–1,20	0,25–1,20	0,40–1,60
<b>Page in catalogue</b>		23	23	24
<b>QR code</b>				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	RK7	HU3	HU5	HU7











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











Machining	Finishing operation				
					
Geometry	FW4	FL2	FN2	FM2	FP2
Indexable inserts basic shape	C, D, T	C, D, V	C, D, S, T, V, W	C, D, S, T, V, W	C, D, T, V
P Steel	●●	●●	●	●●	●●
M Stainless steel	●●	●●	●	●●	●●
K Cast iron	●●	●●	●	●	●●
N NF metals			●●	●●	●
S Materials with difficult cutting properties	●	●	●	●●	●
H Hard materials					
O Other			●		
a <sub>p</sub> [mm]	0,1–2,5	0,1–1,5	0,12–3,5	0,1–3,5	0,1–3,0
f [mm]	0,03–0,50	0,04–0,20	0,02–0,30	0,02–0,30	0,01–0,30
Page in catalogue	34	34			34
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	FW4	FL2	FN2	FM2	FP2

Machining	Finishing operation				
					
Geometry	FX4	FM4	FP4	FM6	FP6
Indexable inserts basic shape	C, D, T, V	C, D, R, S, T, V, W	C, D, R, S, T, V, W	C, D, S, T, V	C, D, S, T, V, W
P Steel	●●	●	●●	●	●●
M Stainless steel	●	●●	●	●●	●
K Cast iron	●		●		●
N NF metals					
S Materials with difficult cutting properties		●●	●	●●	●
H Hard materials					
O Other					
a <sub>p</sub> [mm]	0,1–2,5	0,1–5,0	0,1–5,0	0,3–2,5	0,3–2,5
f [mm]	0,02–0,25	0,02–0,40	0,02–0,40	0,08–0,32	0,06–0,32
Page in catalogue	34		34		34
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	FX4	FM4	FP4	FM6	FP6

**WALTER SELECT** ●● Primary application ● Other application

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

Machining	Finishing operation	Medium machining			
		<b>Selection</b>  Wiper			<b>Selection</b> 
Geometry	FK6	MW4	MN2	MM4	MP4
Indexable inserts basic shape	C, D, S, T, V	C, D, T	C, D, R, S, T, V, W	C, D, S, T, V, W	C, D, S, T, V, W
P Steel	●	●●	●	●	●●
M Stainless steel	●	●●	●	●●	●
K Cast iron	●●	●●	●	●	●
N NF metals			●●		
S Materials with difficult cutting properties	●	●	●	●●	●
H Hard materials					
O Other			●		
a <sub>p</sub> [mm]	0,3–2,5	0,5–4,5	0,5–6,0	0,1–3,5	0,3–3,5
f [mm]	0,06–0,32	0,12–0,55	0,02–0,80	0,04–0,35	0,06–0,35
Page in catalogue		35			35
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	FK6	MW4	MN2	MM4	MP4

Machining	Medium machining				Roughing
		<b>Selection</b> 			
Geometry	MK4	MP6	..GN	..MR	RM4
Indexable inserts basic shape	C, D, S, T, V	C, D, T, V	T	T	C, D, R, S, T, V, W
P Steel	●	●●	●●	●●	●
M Stainless steel	●	●	●	●	●●
K Cast iron	●●	●	●	●●	●
N NF metals					
S Materials with difficult cutting properties	●	●	●	●	●●
H Hard materials					
O Other					
a <sub>p</sub> [mm]	0,4–3,5	0,4–4,0	0,4–3,0	0,4–4,0	0,2–7,0
f [mm]	0,08–0,35	0,08–0,40	0,10–0,30	0,12–0,30	0,08–1,20
Page in catalogue		35			
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	MK4	MP6	GN	MR	RM4

WALTER SELECT











●● Primary application ● Other application













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











Machining	Roughing			Heavy machining
<b>Geometry</b>	<b>RP4</b>	<b>RK4</b>	<b>RK6</b>	<b>HU6</b>
<b>Indexable inserts basic shape</b>	C, D, R, S, T, V, W	C, D, R, S, T, V, W	C, D, S, T, V	R
<b>P</b> Steel	●●	●		●●
<b>M</b> Stainless steel	●	●		
<b>K</b> Cast iron	●	●●	●●	●●
<b>N</b> NF metals				
<b>S</b> Materials with difficult cutting properties	●	●		
<b>H</b> Hard materials			●	
<b>O</b> Other				
<b>a<sub>p</sub> [mm]</b>	0,2–7,0	0,4–7,0	0,2–5,0	1,0–15,0
<b>f [mm]</b>	0,08–1,20	0,08–1,20	0,08–0,50	0,12–1,70
<b>Page in catalogue</b>	35			40
<b>QR code</b>				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	RP4	RK4	RK6	HU6

## Inserts copy turning system – WL

Machining	Finishing operation			Medium machining	
		<b>Selection</b> 		<b>Selection</b> 	<b>Selection</b> 
<b>Geometry</b>	<b>FM4</b>	<b>FP4</b>	<b>MM4</b>	<b>MP4</b>	<b>MU6</b>
<b>Indexable inserts basic shape</b>	WL	WL	WL	WL	WL
<b>P Steel</b>	●	●●	●	●●	●●
<b>M Stainless steel</b>	●●	●	●●	●	●●
<b>K Cast iron</b>		●	●	●	●●
<b>N NF metals</b>					
<b>S Materials with difficult cutting properties</b>	●●	●	●●	●	●●
<b>H Hard materials</b>					●
<b>O Other</b>					
<b>a<sub>p</sub> [mm]</b>	0,1–2,0	0,1–2,0	0,4–2,5	0,4–2,5	0,5–2,5
<b>f [mm]</b>	0,04–0,25	0,05–0,25	0,08–0,40	0,08–0,40	0,12–0,45
<b>Page in catalogue</b>		47		47	48
<b>QR code</b>					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	FM4	FP4	MM4	MP4	MU6











## ISO indexable inserts – CBN/PCD/ceramic





Cutting tool material	CBN				
					
Geometry	EM	TS	TS-MW	TM	TM-M
Indexable inserts basic shape	C, D, V	C, D, S, T, V, W	C	C, D, S, T, V, W	C, D
P Steel					
M Stainless steel					
K Cast iron		●●			
N NF metals					
S Materials with difficult cutting properties	●●				
H Hard materials		●●	●●	●●	●●
O Other					
$a_p$ [mm]	0,1–1,0	0,05–2,0	0,1–0,5	0,1–1,0	0,1–1,0
$f$ [mm]	0,05–0,25	0,02–0,30	0,05–0,20	0,05–0,30	0,05–0,30
Page in catalogue					
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	EM	TS	TS-MW	TM	TM-M

Cutting tool material	CBN			Ceramic	
					
Geometry	TM-MW	TS-0	TM-S	E	T01020
Indexable inserts basic shape	C, D	R	C, R, S	R	C, R, S
P Steel					
M Stainless steel					
K Cast iron		●●	●●		
N NF metals					
S Materials with difficult cutting properties				●●	●●
H Hard materials	●●		●		●
O Other					
$a_p$ [mm]	0,1–1,0	0,1–5,0	0,1–5,0	0,1–3,6	0,1–4,5
$f$ [mm]	0,05–0,50	0,05–0,40	0,05–0,50	0,10–0,32	0,10–0,42
Page in catalogue					
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	TM-MW	TS-0	TM-S	E	T01020

**WALTER SELECT** ●● Primary application ● Other application

## ISO indexable inserts – CBN/PCD/ceramic



Cutting tool material	Keramik			PCD	
					
Geometry	T02020	SM	SM-MWS	T-FS	W-FS
Indexable inserts basic shape	C, D, S, T, W	C, D, S, T, V, W	C, W	C, D, V	C, D, S, T, V
P Steel					
M Stainless steel					
K Cast iron	●●				
N NF metals				●●	●●
S Materials with difficult cutting properties				●	●
H Hard materials		●●	●●		
O Other				●●	●●
$a_p$ [mm]	0,1–6,0	0,1–1,0	0,1–1,0	0,05–4,0	0,05–4,0
$f$ [mm]	0,10–0,80	0,05–0,30	0,05–0,35	0,03–0,38	0,03–0,38
Page in catalogue					
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	T02020	SM	SM-MWS	T-FS	W-FS

Cutting tool material	PKD	
		
Geometry	FS-M	FS-9
Indexable inserts basic shape	C, D	C, S, T
P Steel		
M Stainless steel		
K Cast iron		
N NF metals	●●	●●
S Materials with difficult cutting properties	●	●
H Hard materials		
O Other	●●	●●
$a_p$ [mm]	0,1–2,0	0,05–15,3
$f$ [mm]	0,08–0,20	0,03–0,38
Page in catalogue		
QR code		
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	FS-M	FS-9

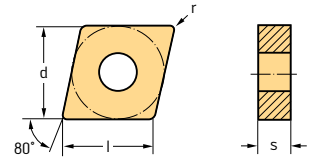
WALTER SELECT

●● Primary application ● Other application

## Indexable inserts for copy turning system – WL CBN inserts

Machining	Medium machining
	
Geometry	TM
Indexable inserts basic shape	WL
<b>P</b> Steel	
<b>M</b> Stainless steel	
<b>K</b> Cast iron	
<b>N</b> NF metals	
<b>S</b> Materials with difficult cutting properties	
<b>H</b> Hard materials	●●
<b>O</b> Other	
$a_p$ [mm]	0,1–2,5
$f$ [mm]	0,02–0,50
Page in catalogue	
QR code	
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	TM

## Negative rhombic 80° CNMG / CNMM Tiger-tec® Gold



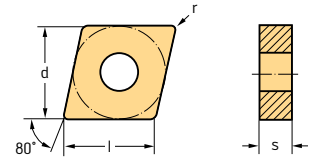
### Indexable inserts

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K		
					HC							HE	HC
					WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C			
CNMG120404-FW5	12,9	0,4	0,10-0,40	0,3-3,0	☺	☺	☺	☺	☺	☺	☺		
	CNMG120408-FW5	12,9	0,8	0,15-0,60	0,4-3,0	☺	☺	☺	☺	☺	☺		
	CNMG090304-FP5	9,67	0,4	0,04-0,20	0,1-1,5			☺	☺				
	CNMG090308-FP5	9,67	0,8	0,08-0,25	0,2-2,0			☺	☺				
	CNMG120402-FP5	12,9	0,2	0,04-0,12	0,1-0,5					☺			
	CNMG120404-FP5	12,9	0,4	0,04-0,20	0,1-1,5	☺		☺	☺	☺	☺		
	CNMG120408-FP5	12,9	0,8	0,08-0,25	0,2-2,0	☺		☺	☺	☺	☺		
	CNMG120412-FP5	12,9	1,2	0,10-0,25	0,5-2,5			☺	☺				
	CNMG120408-MW5	12,9	0,8	0,20-0,65	0,8-4,0		☺	☺	☺				
	CNMG120412-MW5	12,9	1,2	0,25-0,70	1,5-4,0		☺	☺	☺				
	CNMG120404-MS3	12,9	0,4	0,12-0,25	0,6-3,0				☺				
	CNMG120408-MS3	12,9	0,8	0,15-0,30	0,8-3,0				☺	☺			
	CNMG120412-MS3	12,9	1,2	0,15-0,40	1,0-3,5				☺				
	CNMG090304-MP3	9,67	0,4	0,06-0,20	0,3-2,2			☺	☺				
	CNMG090308-MP3	9,67	0,8	0,10-0,28	0,6-3,0			☺	☺	☺			
	CNMG120404-MP3	12,9	0,4	0,08-0,22	0,3-2,5			☺	☺	☺			
	CNMG120408-MP3	12,9	0,8	0,12-0,32	0,6-3,2			☺	☺	☺	☺		
	CNMG120412-MP3	12,9	1,2	0,16-0,40	0,8-3,5			☺	☺	☺	☺		
	CNMG120404-MP5	12,9	0,4	0,16-0,25	0,5-4,0			☺	☺	☺	☺		
	CNMG120408-MP5	12,9	0,8	0,18-0,40	0,6-5,0			☺	☺	☺	☺		
	CNMG120412-MP5	12,9	1,2	0,20-0,45	1,0-5,0			☺	☺	☺	☺		
	CNMG120416-MP5	12,9	1,6	0,25-0,50	1,2-5,0				☺	☺	☺		
	CNMG160608-MP5	16,12	0,8	0,25-0,40	0,8-7,0				☺	☺	☺		
	CNMG160612-MP5	16,12	1,2	0,30-0,50	1,0-7,0				☺	☺	☺		
	CNMG160616-MP5	16,12	1,6	0,35-0,55	1,2-7,0				☺	☺	☺		
	CNMG120404-MU5	12,9	0,4	0,15-0,30	0,5-4,0			☺	☺	☺			
	CNMG120408-MU5	12,9	0,8	0,15-0,40	0,6-5,0			☺	☺	☺			
	CNMG120412-MU5	12,9	1,2	0,20-0,50	1,0-5,0			☺	☺	☺			
	CNMG120416-MU5	12,9	1,6	0,25-0,55	1,2-5,0				☺	☺	☺		
	CNMG160612-MU5	16,12	1,2	0,30-0,55	1,0-7,0				☺	☺	☺		
	CNMG120408-RM5	12,9	0,8	0,20-0,40	1,2-5,0			☺	☺				
	CNMG120412-RM5	12,9	1,2	0,25-0,50	1,5-5,0			☺	☺				

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WKP01G: CNMG120404-FW5 WKP01G

HC = Coated carbide  
HE = Coated cermet

**Negative rhombic 80°**  
**CNMG / CNMM**  
**Tiger-tec® Gold**



**Indexable inserts**

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K		
					HC						HE	HC	
					WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C	WKP01G		
	CNMG120408-RP5	12.9	0.8	0.20-0.40	0.8-6.0	☉	☉	☉	☉	☉			
	CNMG120412-RP5	12.9	1.2	0.25-0.60	1.0-6.0	☉	☉	☉	☉	☉			
	CNMG120416-RP5	12.9	1.6	0.35-0.70	1.6-6.0	☉	☉	☉	☉	☉			
	CNMG160608-RP5	16.12	0.8	0.25-0.50	1.0-8.0		☉	☉	☉	☉			
	CNMG160612-RP5	16.12	1.2	0.35-0.65	1.2-8.0	☉	☉	☉	☉	☉			
	CNMG160616-RP5	16.12	1.6	0.40-0.70	1.6-8.0	☉	☉	☉	☉	☉			
	CNMG160624-RP5	16.12	2.4	0.40-0.90	2.0-8.0		☉	☉	☉	☉			
	CNMG190608-RP5	19.34	0.8	0.25-0.50	1.0-10.0		☉	☉	☉	☉			
	CNMG190612-RP5	19.34	1.2	0.30-0.70	1.2-10.0	☉	☉	☉	☉	☉			
	CNMG190616-RP5	19.34	1.6	0.35-0.80	1.6-10.0	☉	☉	☉	☉	☉			
CNMG190624-RP5	19.34	2.4	0.45-1.00	2.0-10.0		☉	☉	☉	☉				
CNMG250924-RP5	25.79	2.4	0.45-1.20	2.0-12.0			☉	☉	☉				
	CNMG120408-RP7	12.9	0.8	0.18-0.40	0.8-5.0		☉	☉	☉	☉			
	CNMG120412-RP7	12.9	1.2	0.25-0.50	1.2-5.0	☉	☉	☉	☉	☉			
	CNMG120416-RP7	12.9	1.6	0.35-0.50	1.5-5.0		☉	☉	☉	☉			
	CNMG160608-RP7	16.12	0.8	0.30-0.50	0.8-6.0		☉	☉	☉	☉			
	CNMG160612-RP7	16.12	1.2	0.35-0.60	1.2-6.0	☉	☉	☉	☉	☉			
	CNMG160616-RP7	16.12	1.6	0.40-0.60	1.5-6.0	☉	☉	☉	☉	☉			
	CNMG190612-RP7	19.34	1.2	0.35-0.60	1.2-7.0		☉	☉	☉	☉			
	CNMG190616-RP7	19.34	1.6	0.35-0.75	1.5-7.0	☉	☉	☉	☉	☉			
	CNMG250924-RP7	25.79	2.4	0.45-1.00	3.0-9.0			☉	☉	☉			
		CNMM120408-HU3	12.9	0.8	0.30-0.50	0.8-7.0		☉	☉	☉	☉		
CNMM120412-HU3		12.9	1.2	0.35-0.70	1.2-7.0	☉	☉	☉	☉	☉			
CNMM120416-HU3		12.9	1.6	0.40-0.80	1.6-7.0		☉	☉	☉	☉			
CNMM160612-HU3		16.12	1.2	0.35-0.70	1.2-9.0	☉	☉	☉	☉	☉			
CNMM160616-HU3		16.12	1.6	0.40-0.90	1.6-9.0	☉	☉	☉	☉	☉			
CNMM160624-HU3		16.12	2.4	0.45-1.00	2.4-9.0		☉	☉	☉	☉			
CNMM190612-HU3		19.34	1.2	0.35-0.70	1.2-10.0		☉	☉	☉	☉			
CNMM190616-HU3		19.34	1.6	0.40-0.90	1.6-10.0		☉	☉	☉	☉			
CNMM190624-HU3		19.34	2.4	0.45-1.10	2.4-10.0		☉	☉	☉	☉			
CNMM250924-HU3		25.79	2.4	0.45-1.20	2.4-12.0			☉	☉	☉			
	CNMM120408-HU5	12.9	0.8	0.25-0.55	1.0-7.0		☉	☉	☉	☉			
	CNMM120412-HU5	12.9	1.2	0.30-0.70	1.5-7.0		☉	☉	☉	☉			
	CNMM160612-HU5	16.12	1.2	0.35-0.70	1.5-9.0		☉	☉	☉	☉			
	CNMM160616-HU5	16.12	1.6	0.40-0.80	2.0-9.0		☉	☉	☉	☉			
	CNMM190612-HU5	19.34	1.2	0.35-0.70	1.5-10.0		☉	☉	☉	☉			
	CNMM190616-HU5	19.34	1.6	0.40-0.90	2.0-10.0		☉	☉	☉	☉			
	CNMM190624-HU5	19.34	2.4	0.45-1.00	2.0-10.0		☉	☉	☉	☉			

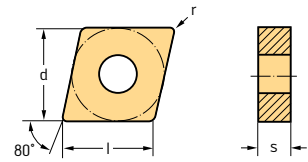
See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WKP01G: CNMG120404-FW5 WKP01G

HC = Coated carbide  
 HE = Coated cermet

## Negative rhombic 80°

### CNMG / CNMM

### Tiger-tec® Gold



#### Indexable inserts

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K	
					HC						HE	HC
					WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C	WKP01G	
	CNMM120412-HU7	12,9	1,2	0,40-0,80	1,5-8,0			☺	☺			
	CNMM160612-HU7	16,12	1,2	0,50-0,90	2,0-10,0			☺	☺	☹		
	CNMM160616-HU7	16,12	1,6	0,50-1,10	2,0-10,0			☺	☺			
	CNMM160624-HU7	16,12	2,4	0,50-1,30	2,0-10,0			☺	☺			
	CNMM190612-HU7	19,34	1,2	0,50-0,90	2,0-13,0			☺	☺	☹		
	CNMM190616-HU7	19,34	1,6	0,50-1,10	2,0-13,0			☺	☺	☹		
	CNMM190624-HU7	19,34	2,4	0,60-1,60	3,0-13,0			☺	☺	☹		
	CNMM250924-HU7	25,79	2,4	0,60-1,60	3,0-17,0			☺	☺	☹		

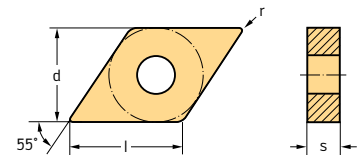
See the ISO 1832 designation key for dimensions  
Ordering example for the grade WKP01G: CNMG120404-FW5 WKP01G

HC = Coated carbide  
HE = Coated cermet

## Negative rhombic 55°

### DNMG / DNMM

### Tiger-tec® Gold



#### Indexable inserts

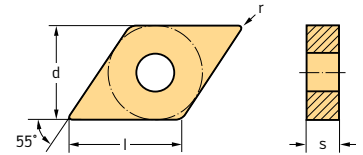
Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K	
					HC						HE	HC
					WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C	WKP01G	
	DNMG110404-FW5	11,63	0,4	0,10-0,35	0,3-2,0	☺		☺	☺			☺
	DNMG110408-FW5	11,63	0,8	0,15-0,50	0,4-2,0	☺		☺	☺			☺
	DNMG150404-FW5	15,5	0,4	0,10-0,40	0,3-3,0			☺				
	DNMG150408-FW5	15,5	0,8	0,15-0,50	0,4-3,0			☺				☺
	DNMG150604-FW5	15,5	0,4	0,10-0,40	0,3-3,0			☺	☺			☺
	DNMG150608-FW5	15,5	0,8	0,15-0,50	0,4-3,0			☺	☺			☺
	DNMG110402-FP5	11,63	0,2	0,04-0,12	0,1-0,5			☺	☺	☺		
	DNMG110404-FP5	11,63	0,4	0,04-0,20	0,1-1,5			☺	☺	☺		☺
	DNMG110408-FP5	11,63	0,8	0,08-0,25	0,2-2,0			☺	☺	☺		☺
	DNMG110412-FP5	11,63	1,2	0,10-0,25	0,5-2,5			☺	☺	☺		
	DNMG150404-FP5	15,5	0,4	0,05-0,20	0,1-1,5			☺	☺	☺		☺
	DNMG150408-FP5	15,5	0,8	0,08-0,25	0,2-2,0			☺	☺	☺		☺
	DNMG150412-FP5	15,5	1,2	0,10-0,25	0,5-2,5			☺	☺	☺		
	DNMG150604-FP5	15,5	0,4	0,05-0,20	0,1-1,5			☺	☺	☺		☺
	DNMG150608-FP5	15,5	0,8	0,08-0,25	0,2-2,0			☺	☺	☺		☺
	DNMG150612-FP5	15,5	1,2	0,10-0,25	0,5-2,5			☺	☺	☺		

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WKP01G: DNMG110404-FW5 WKP01G

HC = Coated carbide  
HE = Coated cermet



**Negative rhombic 55°**  
**DNMG / DNMM**  
**Tiger-tec® Gold**



**Indexable inserts**

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K		
					HC							HE	HC
					WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C			
 Wiper	DNMG110408-MW5	11.63	0.8	0.15-0.50	0.8-3.0	☉	☉	☉					
	DNMG110412-MW5	11.63	1.2	0.20-0.60	1.5-3.0		☉	☉					
	DNMG150408-MW5	15.5	0.8	0.15-0.55	0.8-4.0			☉					
	DNMG150412-MW5	15.5	1.2	0.20-0.65	1.5-4.0			☉					
	DNMG150608-MW5	15.5	0.8	0.15-0.55	1.5-4.0		☉	☉	☉				
	DNMG150612-MW5	15.5	1.2	0.20-0.65	1.5-4.0		☉	☉	☉				
	DNMG110408-MS3	11.63	0.8	0.12-0.30	0.8-2.5			☉					
	DNMG150608-MS3	15.5	0.8	0.15-0.30	0.8-2.5			☉					
	DNMG110404-MP3	11.63	0.4	0.08-0.22	0.3-2.2			☉	☉				
	DNMG110408-MP3	11.63	0.8	0.12-0.32	0.6-3.0		☉	☉	☉	☉			
	DNMG110412-MP3	11.63	1.2	0.16-0.40	0.8-3.2			☉	☉				
	DNMG150404-MP3	15.5	0.4	0.08-0.22	0.3-2.5				☉	☉			
	DNMG150408-MP3	15.5	0.8	0.12-0.32	0.6-3.2		☉	☉	☉	☉			
	DNMG150412-MP3	15.5	1.2	0.16-0.40	0.8-3.5		☉	☉	☉	☉			
	DNMG150604-MP3	15.5	0.4	0.08-0.22	0.3-2.5				☉	☉	☉		
	DNMG150608-MP3	15.5	0.8	0.12-0.32	0.6-3.2		☉	☉	☉	☉			
	DNMG150612-MP3	15.5	1.2	0.16-0.40	0.8-3.5		☉	☉	☉	☉			
	DNMG110404-MP5	11.63	0.4	0.16-0.25	0.5-4.0			☉	☉	☉			
	DNMG110408-MP5	11.63	0.8	0.18-0.35	0.6-4.0		☉	☉	☉	☉			
	DNMG110412-MP5	11.63	1.2	0.20-0.40	1.0-4.0				☉	☉			
	DNMG150404-MP5	15.5	0.4	0.16-0.25	0.5-4.0				☉	☉	☉		
	DNMG150408-MP5	15.5	0.8	0.18-0.35	0.6-5.0		☉	☉	☉	☉			
	DNMG150412-MP5	15.5	1.2	0.20-0.40	1.0-5.0		☉	☉	☉	☉			
	DNMG150604-MP5	15.5	0.4	0.16-0.25	0.5-4.0				☉	☉	☉		
	DNMG150608-MP5	15.5	0.8	0.18-0.35	0.6-5.0		☉	☉	☉	☉			
	DNMG150612-MP5	15.5	1.2	0.20-0.40	1.0-5.0		☉	☉	☉	☉			
DNMG150616-MP5	15.5	1.6	0.25-0.45	1.2-5.0				☉	☉				
	DNMG110408-MU5	11.63	0.8	0.18-0.35	0.6-4.0			☉	☉	☉			
	DNMG150408-MU5	15.5	0.8	0.18-0.35	0.6-5.0		☉	☉	☉	☉			
	DNMG150608-MU5	15.5	0.8	0.18-0.35	0.6-5.0		☉	☉	☉	☉			
	DNMG150612-MU5	15.5	1.2	0.20-0.45	1.0-5.0		☉	☉	☉	☉			
	DNMG150616-MU5	15.5	1.6	0.25-0.50	1.2-5.0				☉	☉			
	DNMG110408-RP5	11.63	0.8	0.18-0.35	0.8-4.0			☉	☉	☉	☉		
	DNMG110412-RP5	11.63	1.2	0.20-0.40	1.0-4.0		☉	☉	☉	☉			
	DNMG150408-RP5	15.5	0.8	0.18-0.35	0.8-5.0		☉	☉	☉	☉			
	DNMG150412-RP5	15.5	1.2	0.20-0.40	1.0-5.0				☉	☉	☉		
	DNMG150608-RP5	15.5	0.8	0.15-0.35	0.8-5.0		☉	☉	☉	☉			
	DNMG150612-RP5	15.5	1.2	0.20-0.55	1.0-5.0		☉	☉	☉	☉			
DNMG150616-RP5	15.5	1.6	0.25-0.65	1.6-5.0		☉	☉	☉	☉				
	DNMM150608-HU3	15.5	0.8	0.25-0.45	0.8-5.0			☉	☉	☉	☉		
	DNMM150612-HU3	15.5	1.2	0.30-0.50	1.2-5.0			☉	☉	☉	☉		
	DNMM150616-HU3	15.5	1.6	0.35-0.60	1.6-5.0		☉	☉	☉	☉			

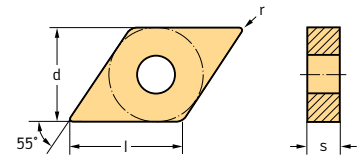
See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WKP01G: DNMG110404-FW5 WKP01G

HC = Coated carbide  
 HE = Coated cermet


## Negative rhombic 55°

### DNMG / DNMM

### Tiger-tec® Gold



#### Indexable inserts

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K
					HC			HE		HC	
					WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C	WKP01G
 DNMM150608-HU5 DNMM150612-HU5	15,5	0,8	0,25-0,45	1,0-5,0				☹			
	15,5	1,2	0,30-0,50	1,5-5,0				☹			

See the ISO 1832 designation key for dimensions

Ordering example for the grade WKP01G: DNMG110404-FW5 WKP01G

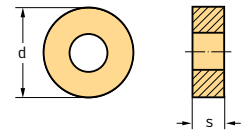
HC = Coated carbide

HE = Coated cermet


## Negative round

### RNMG

### Tiger-tec® Gold



#### Indexable inserts

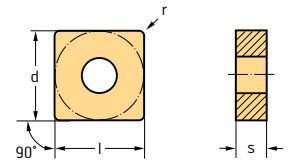
Designation	d mm	f mm	a <sub>p</sub> mm	P
				HC
				WPP20G
 RNMG120400-RP5	12,7	0,20-0,60	1,2-5,0	☹

See the ISO 1832 designation key for dimensions

Ordering example for the grade WPP20G: RNMG120400-RP5 WPP20G

HC = Coated carbide

**Negative square**  
**SNMG / SNMM**  
**Tiger-tec® Gold**



**Indexable inserts**

Designation	r mm	f mm	a <sub>p</sub> mm	P HC			
				WPP05G	WPP10G	WPP20G	WPP30G
	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		☺	
	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		☺	
	SNMM120408-HU3	0.8	0.30-0.50	0.8-7.0		☺	☺
	SNMM120412-HU3	1.2	0.35-0.70	1.2-7.0		☺	
	SNMM120416-HU3	1.6	0.40-0.90	1.6-7.0	☺	☺	
	SNMM150612-HU3	1.2	0.35-0.75	1.2-9.0		☺	
	SNMM150616-HU3	1.6	0.40-0.90	1.6-9.0	☺	☺	
	SNMM150624-HU3	2.4	0.45-1.10	2.0-9.0		☺	
	SNMM190612-HU3	1.2	0.35-0.75	1.2-10.0	☺	☺	☺
	SNMM190616-HU3	1.6	0.40-1.00	1.6-10.0	☺	☺	☺
	SNMM190624-HU3	2.4	0.45-1.20	2.0-10.0		☺	

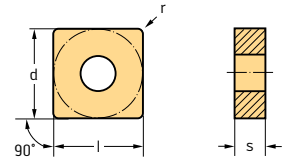
See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP10G: SNMG090308-FP5 WPP10G

HC = Coated carbide




**WALTER SELECT**

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

## Negative square SNMG / SNMM Tiger-tec® Gold



### Indexable inserts

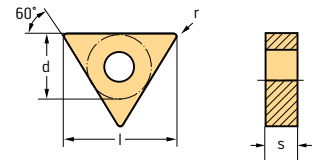
Designation	r mm	f mm	a <sub>p</sub> mm	P			
				HC			
				WPP05G	WPP10G	WPP20G	WPP30G
	SNMM250724-HU3	2,4	0,55-1,20	2,5-12,0			☉
	SNMM250916-HU3	1,6	0,45-1,00	1,6-12,0			☉
	SNMM250924-HU3	2,4	0,55-1,20	2,5-12,0			☉
	SNMM120412-HU5	1,2	0,30-0,70	1,5-7,0			☉
	SNMM150612-HU5	1,2	0,35-0,70	1,5-9,0			☉
	SNMM190612-HU5	1,2	0,35-0,80	1,5-10,0			☉
	SNMM190616-HU5	1,6	0,40-1,00	2,0-10,0			☉
	SNMM190624-HU5	2,4	0,45-1,10	2,0-10,0			☉
	SNMM250924-HU5	2,4	0,50-1,20	2,5-12,0			☉
	SNMM150616-HU7	1,6	0,45-1,00	2,0-12,0	☉	☉	
	SNMM150624-HU7	2,4	0,50-1,40	2,5-12,0	☉	☉	
	SNMM190612-HU7	1,2	0,50-1,00	2,0-13,0		☉	☉
	SNMM190616-HU7	1,6	0,50-1,10	2,5-13,0		☉	☉
	SNMM190624-HU7	2,4	0,60-1,60	3,0-13,0	☉	☉	☉
	SNMM250716-HU7	1,6	0,50-1,10	2,5-17,0		☉	
	SNMM250724-HU7	2,4	0,60-1,60	3,0-17,0		☉	☉
	SNMM250924-HU7	2,4	0,60-1,60	3,0-17,0	☉	☉	☉

See the ISO 1832 designation key for dimensions

Ordering example for the grade WPP10G: SNMG090308-FP5 WPP10G

HC = Coated carbide

# Negative triangular 60° TNMG / TNMM Tiger-tec® Gold



## Indexable inserts

Designation	r mm	f mm	a <sub>p</sub> mm	P						K		
				HC							HE	HC
				WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C			
TNMG160404-FW5	0.4	0.10-0.40	0.3-3.0			☺	☺					
	0.8	0.15-0.50	0.4-3.0			☺	☺					
TNMG110304-FP5	0.4	0.04-0.15	0.1-1.2			☺						
	0.8	0.08-0.20	0.2-1.5			☺						
	0.4	0.04-0.20	0.1-1.5	☺		☺	☺		☺	☺		
	0.8	0.08-0.25	0.2-2.0	☺		☺	☺		☺	☺		
	1.2	0.10-0.25	0.5-2.5			☺	☺					
TNMG160404-MS3	0.4	0.12-0.25	0.6-3.0				☺					
	0.8	0.15-0.30	0.8-3.0				☺					
	0.4	0.12-0.25	0.6-3.0				☺					
	0.8	0.15-0.30	0.8-3.0				☺					
TNMG160408-MW5	0.8	0.15-0.55	0.8-4.0			☺	☺					
	1.2	0.20-0.65	1.5-4.0			☺	☺					
TNMG110304-MP3	0.4	0.06-0.18	0.3-2.0			☺	☺					
	0.8	0.10-0.25	0.6-2.2			☺	☺					
	0.4	0.08-0.22	0.3-2.2				☺					
	0.4	0.08-0.22	0.3-2.2			☺	☺	☺				
	0.8	0.12-0.32	0.6-3.0			☺	☺	☺				
	1.2	0.16-0.40	0.8-3.2			☺	☺	☺				
	0.8	0.12-0.32	0.6-3.2			☺	☺					
	1.2	0.16-0.40	0.8-3.5			☺	☺					
TNMG160308-MP5	0.8	0.18-0.35	0.6-4.0				☺					
	0.4	0.16-0.25	0.5-4.0			☺	☺	☺				
	0.8	0.18-0.35	0.6-4.0	☺		☺	☺	☺				
	1.2	0.20-0.40	1.0-4.0			☺	☺	☺				
	0.4	0.16-0.25	0.7-4.0			☺	☺	☺				
	0.8	0.18-0.35	0.8-5.0			☺	☺	☺	☺			
	1.2	0.20-0.40	1.0-5.0			☺	☺	☺				
	1.6	0.25-0.45	1.2-5.0			☺	☺					
	0.8	0.25-0.45	0.8-7.0				☺					
	1.2	0.30-0.50	1.0-7.0				☺	☺				
TNMG270616-MP5	1.6	0.35-0.55	1.2-7.0				☺					
	0.4	0.15-0.30	0.5-4.0				☺	☺				
	0.8	0.18-0.35	0.6-4.0			☺	☺	☺				
TNMG160412-MU5	1.2	0.20-0.45	1.0-4.0			☺	☺					

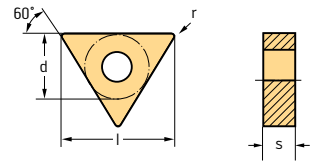
See the ISO 1832 designation key for dimensions  
Ordering example for the grade WPP10G: TNMG160404-FW5 WPP10G

HC = Coated carbide  
HE = Coated cermet





### WALTER SELECT

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

## Negative triangular 60° TNMG / TNMM Tiger-tec® Gold



### Indexable inserts

Designation	r mm	f mm	a <sub>p</sub> mm	P						K		
				HC							HE	HC
				WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C			
 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				⊕					
 TNMM160408-HU3	0.8	0.30–0.45	0.8–6.0				⊕					
TNMM160412-HU3	1.2	0.35–0.50	1.2–6.0			⊕	⊕					
TNMM220408-HU3	0.8	0.30–0.50	0.8–7.0				⊕	⊕				
TNMM220412-HU3	1.2	0.35–0.60	1.2–7.0				⊕					
TNMM220416-HU3	1.6	0.40–0.80	1.6–7.0			⊕						
TNMM270612-HU3	1.2	0.35–0.65	1.2–8.0				⊕					
 TNMM270616-HU7	1.6	0.50–1.10	2.0–13.0				⊕	⊕				

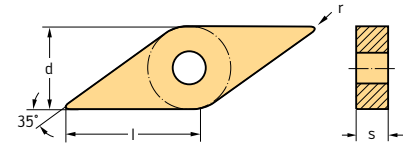
See the ISO 1832 designation key for dimensions

Ordering example for the grade WPP10G: TNMG160404-FW5 WPP10G




HC = Coated carbide

HE = Coated cermet

**Negative rhombic 35°**  
**VNMG**  
**Tiger-tec® Gold**



**Indexable inserts**

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K			
					HC						HE		HC	
					WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C	WKP01G	WKP01G	WKP01G	WKP01G
 VNMG160404-FP5 VNMG160408-FP5 VNMG160412-FP5	16.61	0.4	0.04-0.22	0.1-1.5	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	16.61	0.8	0.08-0.25	0.2-2.0	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	16.61	1.2	0.12-0.28	0.3-2.5		☺	☺	☺	☺	☺	☺	☺	☺	☺
 VNMG160404-MP3 VNMG160408-MP3 VNMG160412-MP3	16.61	0.4	0.08-0.22	0.3-2.2		☺	☺	☺	☺					
	16.61	0.8	0.12-0.32	0.6-3.0		☺	☺	☺	☺	☺				
	16.61	1.2	0.16-0.35	0.8-3.2		☺	☺	☺	☺	☺				
 VNMG160404-MP5 VNMG160408-MP5 VNMG160412-MP5 VNMG220408-MP5	16.61	0.4	0.10-0.18	0.5-2.0		☺	☺	☺	☺	☺				
	16.61	0.8	0.18-0.35	0.6-4.0		☺	☺	☺	☺	☺				
	16.61	1.2	0.20-0.40	0.8-4.0		☺	☺	☺	☺	☺				
	22.14	0.8	0.18-0.35	0.6-4.0		☺	☺	☺	☺	☺				

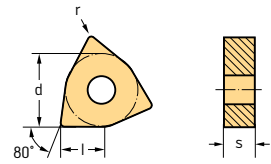
See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WEP10C: VNMG160404-FP5 WEP10C  
 Ordering example for the grade WKP01G: VNMG160404-FP5 WKP01G

HC = Coated carbide  
 HE = Coated cermet

# Negative Trigon 80°

## WNMG / WNMM

### Tiger-tec® Gold



#### Indexable inserts

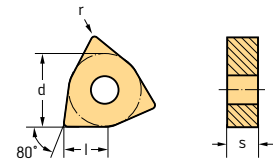
Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K
					HC			HE		HC	
					WKP01G	WPP05G	WPP10G	WPP20G	WPP30G		
WNMG060404-FW5	6,52	0,4	0,10-0,35	0,3-2,0	☺		☺	☺			☺
	WNMG060408-FW5	6,52	0,8	0,15-0,50	0,4-2,0			☺	☺		☺
	WNMG080404-FW5	8,69	0,4	0,10-0,40	0,3-3,0	☺		☺	☺		☺
	WNMG080408-FW5	8,69	0,8	0,15-0,60	0,4-3,0	☺		☺	☺		☺
	WNMG080412-FW5	8,69	1,2	0,25-0,65	0,6-3,0	☺		☺	☺		☺
WNMG060404-FP5	6,52	0,4	0,04-0,20	0,1-1,5			☺	☺			☺
	WNMG060408-FP5	6,52	0,8	0,08-0,25	0,2-2,0	☺		☺	☺		☺
	WNMG080404-FP5	8,69	0,4	0,05-0,20	0,1-1,5	☺		☺	☺	☺	☺
	WNMG080408-FP5	8,69	0,8	0,08-0,25	0,2-2,0	☺		☺	☺	☺	☺
	WNMG080412-FP5	8,69	1,2	0,10-0,25	0,5-2,5			☺	☺		☺
WNMG060408-MW5	6,52	0,8	0,15-0,50	0,8-3,0			☺	☺			
	WNMG060412-MW5	6,52	1,2	0,20-0,60	1,5-3,0			☺	☺		
	WNMG080408-MW5	8,69	0,8	0,20-0,65	0,8-4,0		☺	☺	☺		
	WNMG080412-MW5	8,69	1,2	0,25-0,70	1,5-4,0		☺	☺	☺		
WNMG080408-MS3	8,69	0,8	0,15-0,30	0,8-3,0				☺			
WNMG060404-MP3	6,52	0,4	0,08-0,22	0,3-2,2			☺	☺			
	WNMG060408-MP3	6,52	0,8	0,12-0,32	0,6-3,0			☺	☺		
	WNMG060412-MP3	6,52	1,2	0,16-0,35	0,8-3,2				☺		
	WNMG080404-MP3	8,69	0,4	0,08-0,22	0,3-2,5				☺	☺	
	WNMG080408-MP3	8,69	0,8	0,12-0,32	0,6-3,2		☺	☺	☺	☺	
	WNMG080412-MP3	8,69	1,2	0,16-0,40	0,8-3,5		☺	☺	☺	☺	
WNMG060404-MP5	6,52	0,4	0,16-0,25	0,5-4,0			☺	☺	☺	☺	
	WNMG060408-MP5	6,52	0,8	0,18-0,35	0,6-4,0		☺	☺	☺	☺	
	WNMG060412-MP5	6,52	1,2	0,20-0,40	1,0-4,0			☺	☺	☺	
	WNMG080404-MP5	8,69	0,4	0,16-0,25	0,5-4,0			☺	☺	☺	
	WNMG080408-MP5	8,69	0,8	0,18-0,40	0,6-5,0		☺	☺	☺	☺	
	WNMG080412-MP5	8,69	1,2	0,20-0,45	1,0-5,0		☺	☺	☺	☺	
	WNMG080416-MP5	8,69	1,6	0,25-0,50	1,2-5,0			☺	☺	☺	
	WNMG100608-MP5	10,86	0,8	0,25-0,40	0,8-7,0			☺	☺	☺	
	WNMG100612-MP5	10,86	1,2	0,30-0,50	1,0-7,0			☺	☺	☺	
WNMG060408-MU5	6,52	0,8	0,15-0,35	0,6-3,0			☺	☺	☺		
	WNMG080404-MU5	8,69	0,4	0,15-0,30	0,5-4,0			☺	☺	☺	
	WNMG080408-MU5	8,69	0,8	0,15-0,40	0,6-5,0		☺	☺	☺	☺	
	WNMG080412-MU5	8,69	1,2	0,20-0,50	1,0-5,0		☺	☺	☺	☺	
	WNMG080416-MU5	8,69	1,6	0,25-0,55	1,2-5,0		☺	☺	☺	☺	
WNMG080408-RM5	8,69	0,8	0,20-0,40	1,2-4,5			☺	☺			

See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WKP01G: WNMG060404-FW5 WKP01G

HC = Coated carbide  
 HE = Coated cermet



**Negative Trigon 80°**  
**WNMG / WNMM**  
**Tiger-tec® Gold**



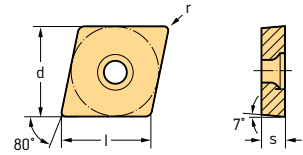
**Indexable inserts**

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K	
					HC						HE	HC
					WKP01G	WPP05G	WPP10G	WPP20G	WPP30G	WEP10C	WKP01G	HC
	WNMG060408-RP5	6.52	0.8	0.20-0.40	0.8-4.0		⊗	⊗	⊗	⊗		
	WNMG060412-RP5	6.52	1.2	0.25-0.50	1.0-4.0		⊗	⊗	⊗	⊗		
	WNMG080408-RP5	8.69	0.8	0.20-0.40	0.8-6.0		⊗	⊗	⊗	⊗		
	WNMG080412-RP5	8.69	1.2	0.25-0.60	1.0-6.0		⊗	⊗	⊗	⊗		
	WNMG080416-RP5	8.69	1.6	0.35-0.70	1.6-6.0		⊗	⊗	⊗	⊗		
	WNMG100612-RP5	10.86	1.2	0.35-0.65	1.2-8.0			⊗	⊗	⊗		
	WNMG100616-RP5	10.86	1.6	0.35-0.70	1.6-8.0			⊗	⊗	⊗		
	WNMG080408-RP7	8.69	0.8	0.18-0.40	0.8-5.0		⊗	⊗	⊗	⊗		
	WNMG080412-RP7	8.69	1.2	0.25-0.50	1.2-5.0			⊗	⊗	⊗		
	WNMG100608-RP7	10.86	0.8	0.30-0.50	0.8-6.0				⊗	⊗		
	WNMG100612-RP7	10.86	1.2	0.35-0.60	1.2-6.0				⊗	⊗		
	WNMG100616-RP7	10.86	1.6	0.40-0.60	1.5-6.0					⊗	⊗	
	WNMM080412-HU3	8.69	1.2	0.35-0.60	1.2-6.0							
	WNMM100612-HU3	10.86	1.2	0.35-0.70	1.2-8.0			⊗	⊗			
	WNMM100616-HU3	10.86	1.6	0.40-0.90	1.6-8.0			⊗	⊗			

See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WKP01G: WNMG060404-FW5 WKP01G

HC = Coated carbide  
 HE = Coated cermet

## Positive rhombic 80° CCMT / CCGT Tiger-tec® Gold



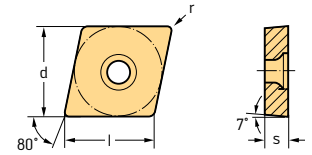
### Indexable inserts

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K HC		
					HC			HE					
					WKP01G	WPP10G	WPP20G	WPP30G	WEP01C	WEP10C		WKP01G	
Wiper	CCMT060202-FW4	6.45	0.2	0.03-0.15	0.1-1.5								
	CCMT060204-FW4	6.45	0.4	0.05-0.30	0.2-2.0	☺	☺	☺					☺
	CCMT060208-FW4	6.45	0.8	0.09-0.35	0.3-2.0	☺	☺	☺					☺
	CCMT09T302-FW4	9.67	0.2	0.03-0.15	0.1-2.0								
	CCMT09T304-FW4	9.67	0.4	0.07-0.30	0.2-2.5	☺	☺	☺					☺
	CCMT09T308-FW4	9.67	0.8	0.12-0.50	0.3-2.5	☺	☺	☺					☺
	CCGT060202-FL2	6.45	0.2	0.04-0.10	0.1-1.0								
	CCGT060204-FL2	6.45	0.4	0.06-0.15	0.2-1.5								
	CCGT09T302-FL2	9.67	0.2	0.04-0.10	0.1-1.0								
	CCGT09T304-FL2	9.67	0.4	0.06-0.15	0.2-1.5								
	CCGT09T308-FL2	9.67	0.8	0.12-0.50	0.3-2.5								
	CCGT060201M-FP2	6.45	0.07	0.02-0.06	0.1-1.5								☺
	CCGT060202M-FP2	6.45	0.17	0.05-0.12	0.2-2.0								☺
	CCGT060204M-FP2	6.45	0.37	0.08-0.25	0.2-2.5								☺
	CCGT09T301M-FP2	9.67	0.07	0.02-0.06	0.1-1.5								☺
	CCGT09T302M-FP2	9.67	0.17	0.05-0.12	0.2-2.0								☺
	CCGT09T304M-FP2	9.67	0.37	0.08-0.25	0.2-2.5								☺
CCGT09T308M-FP2	9.67	0.77	0.10-0.30	0.3-3.0								☺	
	CCGT060202MR-FX4	6.45	0.17	0.02-0.10	0.1-1.5								☺
	CCGT060204MR-FX4	6.45	0.37	0.05-0.15	0.2-2.0								☺
	CCGT09T302MR-FX4	9.67	0.17	0.02-0.10	0.1-1.5								☺
	CCGT09T304MR-FX4	9.67	0.37	0.05-0.15	0.2-2.0								☺
	CCGT09T308MR-FX4	9.67	0.77	0.08-0.25	0.2-2.5								☺
	CCGT060202ML-FX4	6.45	0.17	0.02-0.10	0.1-1.5								☺
	CCGT060204ML-FX4	6.45	0.37	0.05-0.15	0.2-2.0								☺
	CCGT09T302ML-FX4	9.67	0.17	0.02-0.10	0.1-1.5								☺
	CCGT09T304ML-FX4	9.67	0.37	0.05-0.15	0.2-2.0								☺
	CCGT09T308ML-FX4	9.67	0.77	0.08-0.25	0.2-2.5								☺
	CCMT060202-FP4	6.45	0.2	0.04-0.12	0.1-1.0	☺	☺	☺					☺
	CCMT060204-FP4	6.45	0.4	0.05-0.16	0.1-1.5	☺	☺	☺					☺
	CCMT060208-FP4	6.45	0.8	0.08-0.20	0.1-1.5	☺	☺	☺					☺
	CCMT09T302-FP4	9.67	0.2	0.04-0.12	0.1-1.0	☺	☺	☺					☺
	CCMT09T304-FP4	9.67	0.4	0.05-0.16	0.1-1.5	☺	☺	☺					☺
	CCMT09T308-FP4	9.67	0.8	0.08-0.20	0.1-1.5	☺	☺	☺					☺
	CCMT120404-FP4	12.9	0.4	0.05-0.16	0.1-1.5	☺	☺	☺					☺
	CCMT120408-FP4	12.9	0.8	0.08-0.20	0.1-1.5	☺	☺	☺					☺
	CCMT060204-FP6	6.45	0.4	0.06-0.18	0.3-2.0	☺	☺						
	CCMT060208-FP6	6.45	0.8	0.10-0.20	0.5-2.0		☺						
	CCMT09T304-FP6	9.67	0.4	0.08-0.20	0.3-2.0	☺	☺						
	CCMT09T308-FP6	9.67	0.8	0.12-0.32	0.5-2.0	☺	☺						
	CCMT120404-FP6	12.9	0.4	0.10-0.25	0.3-2.5		☺						
	CCMT120408-FP6	12.9	0.8	0.12-0.32	0.5-2.5		☺						

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WPP20G: CCMT060202-FW4 WPP20G

HC = Coated carbide  
HE = Coated cermet

**Positive rhombic 80°**  
**CCMT / CCGT**  
**Tiger-tec® Gold**



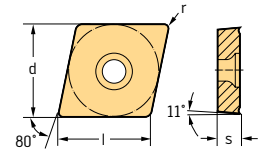
**Indexable inserts**

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K	
					HC			HE			HC	
					WKP01G	WPP10G	WPP20G	WPP30G	WEP01C	WEP10C	WKP01G	
Wiper	CCMT09T304-MW4	9.67	0.4	0.12-0.40	0.5-4.0	☉	☉	☉				
	CCMT09T308-MW4	9.67	0.8	0.15-0.50	0.7-4.0	☉	☉					
	CCMT09T312-MW4	9.67	1.2	0.17-0.55	0.8-4.0		☉	☉				
	CCMT120404-MW4	12.9	0.4	0.12-0.40	0.5-4.5		☉	☉				
	CCMT120408-MW4	12.9	0.8	0.17-0.55	0.7-4.5	☉	☉					
	CCMT120412-MW4	12.9	1.2	0.17-0.55	0.8-4.5		☉	☉				
	CCMT060204-MP4	6.45	0.4	0.08-0.20	0.4-2.0	☉	☉					
	CCMT060208-MP4	6.45	0.8	0.12-0.25	0.5-2.0	☉	☉					
	CCMT09T304-MP4	9.67	0.4	0.08-0.25	0.4-3.0	☉	☉					
	CCMT09T308-MP4	9.67	0.8	0.12-0.32	0.5-3.0	☉	☉					
	CCMT120404-MP4	12.9	0.4	0.12-0.25	0.4-3.5	☉	☉					
	CCMT120408-MP4	12.9	0.8	0.12-0.32	0.5-3.5	☉	☉					
	CCGT060204-MP4	6.45	0.4	0.08-0.20	0.4-2.0		☉	☉				
	CCGT09T304-MP4	9.67	0.4	0.08-0.25	0.4-3.0	☉	☉					
	CCGT09T308-MP4	9.67	0.8	0.12-0.32	0.5-3.0	☉	☉					
	CCGT120408-MP4	12.9	0.8	0.12-0.32	0.5-3.5	☉	☉					
	CCMT060204-MP6	6.45	0.4	0.10-0.20	0.4-2.5	☉	☉	☉				
	CCMT090304-MP6	9.67	0.4	0.10-0.25	0.4-3.5		☉	☉				
	CCMT090308-MP6	9.67	0.8	0.15-0.32	0.6-3.5		☉	☉				
	CCMT09T304-MP6	9.67	0.4	0.08-0.25	0.4-3.0	☉	☉	☉				
	CCMT09T308-MP6	9.67	0.8	0.12-0.32	0.5-3.0	☉	☉	☉				
	CCMT120408-MP6	12.9	0.8	0.15-0.35	0.6-4.0	☉	☉	☉				
	CCMT160508-MP6	16.12	0.8	0.15-0.40	0.8-4.0		☉	☉	☉			
	CCMT060204-RP4	6.45	0.4	0.12-0.25	0.4-2.5	☉	☉	☉				
	CCMT060208-RP4	6.45	0.8	0.16-0.30	0.6-2.5		☉	☉	☉			
	CCMT09T304-RP4	9.67	0.4	0.12-0.25	0.4-3.0	☉	☉	☉				
	CCMT09T308-RP4	9.67	0.8	0.16-0.35	0.6-4.0	☉	☉	☉				
	CCMT120404-RP4	12.9	0.4	0.12-0.30	0.4-4.0	☉	☉	☉				
	CCMT120408-RP4	12.9	0.8	0.16-0.40	0.6-5.0		☉	☉	☉			
	CCMT120412-RP4	12.9	1.2	0.20-0.50	0.8-5.0	☉	☉	☉				





See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP20G: CCMT060202-FW4 WPP20G

HC = Coated carbide  
 HE = Coated cermet

Positive rhombic 80°  
CPGT / CPMT  
Tiger-tec® Gold



## Indexable inserts

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P		
					HC		HE
					WPP10G	WPP20G	WEP10C
 CPGT050202M-FP2 CPGT050204M-FP2	5,64	0,17	0,05-0,12	0,2-2,0			☺
	5,64	0,37	0,08-0,20	0,2-2,0			☺
 CPMT050204-FP4 CPMT060204-FP4 CPMT09T304-FP4 CPMT09T308-FP4	5,64	0,4	0,05-0,16	0,1-1,5	☺	☺	
	6,45	0,4	0,05-0,16	0,1-1,5	☺	☺	
	9,67	0,4	0,05-0,16	0,1-1,5	☺	☺	
	9,67	0,8	0,08-0,20	0,1-1,5	☺	☺	
 CPMT04T104-MP4 CPMT060204-MP4 CPMT060208-MP4 CPMT09T304-MP4 CPMT09T308-MP4	4,84	0,4	0,06-0,16	0,3-1,5		☺	
	6,45	0,4	0,08-0,20	0,4-2,0		☺	
	6,45	0,8	0,12-0,25	0,5-2,0		☺	
	9,67	0,4	0,08-0,25	0,4-3,0		☺	
	9,67	0,8	0,12-0,32	0,5-3,0		☺	
 CPGT050204-MP4 CPGT060204-MP4 CPGT09T304-MP4 CPGT09T308-MP4	5,64	0,4	0,08-0,20	0,4-1,5		☺	
	6,45	0,4	0,08-0,20	0,4-2,0	☺	☺	
	9,67	0,4	0,08-0,25	0,4-3,0	☺	☺	
	9,67	0,8	0,12-0,32	0,5-3,0	☺	☺	

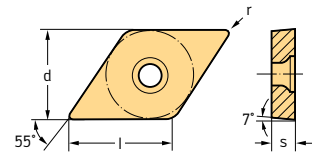
See the ISO 1832 designation key for dimensions

Ordering example for the grade WEP10C: CPGT050202M-FP2 WEP10C

HC = Coated carbide

HE = Coated cermet

**Positive rhombic 55°**  
**DCMT / DCGT**  
**Tiger-tec® Gold**



**Indexable inserts**

	Designation	l mm	r mm	f mm	ap mm	P						K
						HC			HE			
						WKP01G	WPP10G	WPP20G	WPP30G	WEP01C	WEP10C	WKP01G
	DCMT070202-FW4	7.75	0.2	0.03-0.15	0.1-1.5			☺				
	DCMT070204-FW4	7.75	0.4	0.05-0.25	0.2-2.0	☺	☺	☺				☺
	DCMT070208-FW4	7.75	0.8	0.09-0.35	0.3-2.0		☺	☺				
	DCMT11T302-FW4	11.63	0.2	0.03-0.15	0.1-2.0			☺				
	DCMT11T304-FW4	11.63	0.4	0.07-0.30	0.2-2.5	☺	☺	☺				☺
	DCMT11T308-FW4	11.63	0.8	0.12-0.40	0.3-2.5	☺	☺	☺				☺
	DCGT11T304-FL2	11.63	0.4	0.06-0.15	0.2-1.5			☺				
	DCGT11T308-FL2	11.63	0.8	0.08-0.20	0.3-1.5			☺				
	DCGT070202M-FP2	7.75	0.17	0.05-0.12	0.2-2.0							☺
	DCGT070204M-FP2	7.75	0.37	0.08-0.25	0.2-2.5							☺
	DCGT11T3005M-FP2	11.63	0.03	0.01-0.04	0.1-1.0							☺
	DCGT11T301M-FP2	11.63	0.07	0.02-0.06	0.1-1.5							☺
	DCGT11T302M-FP2	11.63	0.17	0.05-0.12	0.2-2.0							☺
	DCGT11T304M-FP2	11.63	0.37	0.08-0.25	0.2-2.5							☺
	DCGT11T308M-FP2	11.63	0.77	0.10-0.30	0.3-3.0							☺
	DCGT070202MR-FX4	7.75	0.17	0.02-0.10	0.1-1.5					☺		
	DCGT070204MR-FX4	7.75	0.37	0.05-0.15	0.2-2.0					☺		
	DCGT11T302MR-FX4	11.63	0.17	0.02-0.10	0.1-1.5					☺		
	DCGT11T304MR-FX4	11.63	0.37	0.05-0.15	0.2-2.0					☺		
	DCGT11T308MR-FX4	11.63	0.77	0.08-0.25	0.2-2.5					☺		
	DCGT070202ML-FX4	7.75	0.17	0.02-0.10	0.1-1.5					☺		
	DCGT070204ML-FX4	7.75	0.37	0.05-0.15	0.2-2.0					☺		
	DCGT11T302ML-FX4	11.63	0.17	0.02-0.10	0.1-1.5					☺		
	DCGT11T304ML-FX4	11.63	0.37	0.05-0.15	0.2-2.0					☺		
	DCGT11T308ML-FX4	11.63	0.77	0.08-0.25	0.2-2.5					☺		
	DCMT070202-FP4	7.75	0.2	0.04-0.12	0.1-1.0	☺	☺	☺				☺
	DCMT070204-FP4	7.75	0.4	0.05-0.16	0.1-1.5	☺	☺	☺				☺
	DCMT070208-FP4	7.75	0.8	0.08-0.20	0.1-1.5	☺	☺	☺				☺
	DCMT11T302-FP4	11.63	0.2	0.04-0.12	0.1-1.0	☺	☺	☺				☺
	DCMT11T304-FP4	11.63	0.4	0.05-0.16	0.1-1.5	☺	☺	☺				☺
	DCMT11T308-FP4	11.63	0.8	0.08-0.20	0.1-1.5	☺	☺	☺				☺
	DCMT070204-FP6	7.75	0.4	0.06-0.18	0.3-2.0		☺	☺				
	DCMT11T304-FP6	11.63	0.4	0.08-0.20	0.3-2.0		☺	☺				
	DCMT11T308-FP6	11.63	0.8	0.10-0.25	0.5-2.0		☺	☺				
	DCMT11T304-MW4	11.63	0.4	0.12-0.40	0.5-4.0		☺	☺				
	DCMT11T308-MW4	11.63	0.8	0.15-0.50	0.5-4.0		☺	☺				
	DCMT070204-MP4	7.75	0.4	0.08-0.20	0.4-2.0	☺	☺					
	DCMT070208-MP4	7.75	0.8	0.12-0.25	0.5-2.0	☺	☺					
	DCMT11T304-MP4	11.63	0.4	0.08-0.25	0.4-3.0	☺	☺					
	DCMT11T308-MP4	11.63	0.8	0.12-0.32	0.5-3.0	☺	☺					
	DCMT11T312-MP4	11.63	1.2	0.15-0.35	0.5-3.0	☺	☺					

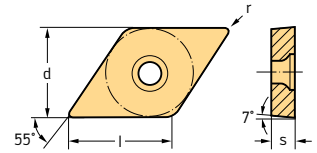
See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP20G: DCMT070202-FW4 WPP20G

HC = Coated carbide  
 HE = Coated cermet




**WALTER SELECT**

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

**Positive rhombic 55°**  
**DCMT / DCGT**  
**Tiger-tec® Gold**



### Indexable inserts

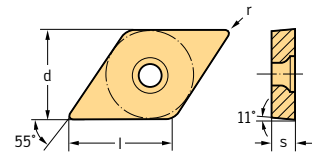
	Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K HC
						HC						
						WKP01G	WPP10G	WPP20G	WPP30G	WEP01C	WEP10C	
	DCMT070204-MP4	7,75	0,4	0,08-0,20	0,4-2,0		☉					
	DCGT11T304-MP4	11,63	0,4	0,08-0,25	0,4-3,0	☉	☉					
	DCGT11T308-MP4	11,63	0,8	0,12-0,32	0,5-3,0	☉	☉					
	DCMT11T304-MP6	11,63	0,4	0,10-0,25	0,4-3,5	☉	☉	☉				
	DCMT11T308-MP6	11,63	0,8	0,15-0,32	0,6-3,5	☉	☉	☉				
	DCMT150404-MP6	15,5	0,4	0,10-0,25	0,4-4,0		☉					
	DCMT150408-MP6	15,5	0,8	0,12-0,36	0,6-4,0		☉	☉				
	DCMT070204-RP4	7,75	0,4	0,12-0,20	0,4-2,0	☉	☉	☉				
	DCMT070208-RP4	7,75	0,8	0,16-0,30	0,6-2,0	☉	☉	☉				
	DCMT11T304-RP4	11,63	0,4	0,12-0,25	0,4-3,0	☉	☉	☉				
	DCMT11T308-RP4	11,63	0,8	0,16-0,35	0,6-4,0	☉	☉	☉				
	DCMT11T312-RP4	11,63	1,2	0,20-0,40	0,8-4,0	☉	☉	☉				

See the ISO 1832 designation key for dimensions




Ordering example for the grade WPP20G: DCMT070202-FW4 WPP20G

HC = Coated carbide  
 HE = Coated cermet

**Positive rhombic 55°**  
**DPMT / DPGT**  
**Tiger-tec® Gold**



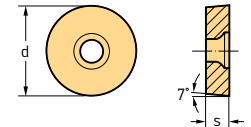
**Indexable inserts**

Designation	l mm	r mm	f mm	ap mm	P		
					HC		
					WPP10G	WPP20G	WPP30G
 DPMT070204-FP4 DPMT11T304-FP4 DPMT11T308-FP4	7,75	0,4	0,05-0,16	0,1-1,5	☺	☺	☺
	11,63	0,4	0,05-0,16	0,1-1,5	☺	☺	☺
	11,63	0,8	0,08-0,20	0,1-1,5	☺	☺	☺
 DPMT070204-MP4 DPMT11T304-MP4 DPMT11T308-MP4	7,75	0,4	0,08-0,20	0,4-2,0	☺	☺	☺
	11,63	0,4	0,08-0,25	0,4-3,0	☺	☺	☺
	11,63	0,8	0,12-0,32	0,5-3,0	☺	☺	☺
 DPGT11T304-MP4	11,63	0,4	0,08-0,25	0,4-3,0	☺	☺	☺



See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP10G: DPMT070204-FP4 WPP10G

HC = Coated carbide

**Positive round**  
**RCMT / RCMX**  
**Tiger-tec® Gold**



**Indexable inserts**

Designation	d mm	f mm	ap mm	P		
				HC		
				WPP10G	WPP20G	WPP30G
 RCMT0602M0-FP4 RCMT0803M0-FP4 RCMT10T3M0-FP4 RCMT1204M0-FP4	6	0,07-0,30	0,6-2,5	☺	☺	☺
	8	0,08-0,30	0,8-3,0	☺	☺	☺
	10	0,10-0,35	1,0-4,0	☺	☺	☺
	12	0,12-0,40	1,2-5,0	☺	☺	☺
 RCMT0602M0-RP4 RCMT060300-RP4 RCMT0803M0-RP4 RCMT09T300-RP4 RCMT10T3M0-RP4 RCMT120400-RP4 RCMT1204M0-RP4 RCMT1605M0-RP4 RCMT1606M0-RP4	6	0,08-0,50	0,6-2,5	☺	☺	☺
	6,35	0,08-0,50	0,6-2,5	☺	☺	☺
	8	0,10-0,60	0,8-3,0	☺	☺	☺
	9,525	0,10-0,60	0,8-3,0	☺	☺	☺
	10	0,12-0,80	1,0-4,0	☺	☺	☺
	12,7	0,12-1,00	1,2-5,0	☺	☺	☺
	12	0,12-1,00	1,2-5,0	☺	☺	☺
	16	0,15-1,20	1,6-7,0	☺	☺	☺
	16	0,15-1,20	1,6-7,0	☺	☺	☺

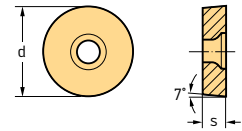
See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP10G: RCMT0602M0-FP4 WPP10G

HC = Coated carbide



**WALTER SELECT**

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

## Positive round RCMT / RCMX Tiger-tec® Gold



### Indexable inserts

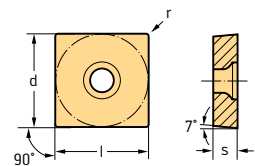
Designation	d mm	f mm	a <sub>p</sub> mm	P		
				HC	WPP10G	WPP20G
 RCMT10T3M0-HU6 RCMT1204M0-HU6 RCMT1606M0-HU6	10	0.12–0.80	1.0–4.0	☺	☺	☺
	12	0.12–1.20	1.2–5.0	☺	☺	☺
	16	0.15–1.20	1.6–7.0	☺	☺	☺
 RCMX2006M0-HU6 RCMX2507M0-HU6 RCMX3209M0-HU6	20	0.25–1.40	2.0–9.0	☺	☺	☺
	25	0.30–1.60	2.5–11.0	☺	☺	☺
	32	0.30–1.70	3.2–15.0	☺	☺	☺

See the ISO 1832 designation key for dimensions




Ordering example for the grade WPP10G: RCMT0602M0-FP4 WPP10G

HC = Coated carbide

## Positive square SCMT / SCGT Tiger-tec® Gold



### Indexable inserts

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P					K
					HC	HE	HC	HE	HC	
 SCMT060204-FP4 SCMT09T304-FP4 SCMT09T308-FP4 SCMT120404-FP4 SCMT120408-FP4 SCMT120412-FP4	6.35	0.4	0.05–0.16	0.1–1.5	☺	☺	☺	☺	☺	
	9.53	0.4	0.05–0.15	0.1–1.5	☺	☺	☺	☺	☺	
	9.53	0.8	0.05–0.18	0.1–1.8	☺	☺	☺	☺	☺	
	12.7	0.4	0.05–0.15	0.1–1.5	☺	☺	☺	☺	☺	
	12.7	0.8	0.05–0.18	0.1–1.8	☺	☺	☺	☺	☺	
	12.7	1.2	0.12–0.32	0.3–1.8	☺	☺	☺	☺	☺	
 SCMT09T304-FP6 SCMT09T308-FP6 SCMT120408-FP6	9.53	0.4	0.08–0.20	0.3–2.0	☺	☺	☺	☺	☺	
	9.53	0.8	0.10–0.25	0.5–2.0	☺	☺	☺	☺	☺	
	12.7	0.8	0.12–0.32	0.5–2.5	☺	☺	☺	☺	☺	
 SCMT09T304-MP4 SCMT09T308-MP4 SCMT120408-MP4	9.53	0.4	0.08–0.25	0.4–3.0	☺	☺	☺	☺	☺	
	9.53	0.8	0.12–0.32	0.5–3.0	☺	☺	☺	☺	☺	
	12.7	0.8	0.12–0.32	0.5–3.5	☺	☺	☺	☺	☺	

See the ISO 1832 designation key for dimensions

Ordering example for the grade WPP10G: SCMT060204-FP4 WPP10G

HC = Coated carbide

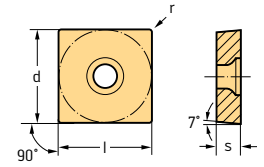
HE = Coated cermet

WALTER SELECT



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



**Positive square  
SCMT / SCGT  
Tiger-tec® Gold**



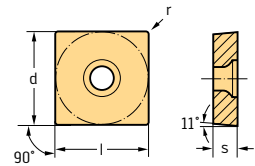
**Indexable inserts**

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P					K	
					HC					HE	HC
					WKP01G	WPP10G	WPP20G	WPP30G	WEP10C	WKP01G	
 SCGT09T304-MP4 SCGT09T308-MP4 SCGT120408-MP4	9,53	0,4	0,08-0,25	0,4-3,0							
	9,53	0,8	0,12-0,32	0,5-3,0							
	12,7	0,8	0,12-0,32	0,5-3,5							
 SCMT09T304-RP4 SCMT09T308-RP4 SCMT09T312-RP4 SCMT120404-RP4 SCMT120408-RP4 SCMT120412-RP4	9,53	0,4	0,12-0,25	0,4-3,0							
	9,53	0,8	0,16-0,35	0,6-4,0							
	9,53	1,2	0,20-0,45	0,8-5,0							
	12,7	0,4	0,12-0,25	0,4-3,0							
	12,7	0,8	0,16-0,40	0,6-5,0							
	12,7	1,2	0,20-0,50	0,8-5,0							


See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP10G: SCMT060204-FP4 WPP10G

HC = Coated carbide  
 HE = Coated cermet

## Positive square SPMT Tiger-tec® Gold



### Indexable inserts

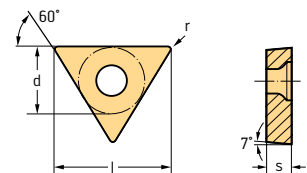
Designation	l mm	r mm	f mm	a <sub>p</sub> mm	Material	
					WPP20G	HC
 SPMT09T304-MP4 SPMT09T308-MP4	9,53	0,4	0,08–0,25	0,4–3,0	☺	☺
	9,53	0,8	0,12–0,32	0,5–3,0	☺	☺

See the ISO 1832 designation key for dimensions





Ordering example for the grade WPP20G: SPMT09T304-MP4 WPP20G

HC = Coated carbide

## Positive triangular 60° TCMT / TCGT Tiger-tec® Gold



### Indexable inserts

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	Material							
					P			K		HC		
					WKP01G	WPP10G	WPP20G	WPP30G	WEP01C		WEP10C	WKP01G
 <b>Wiper</b> TCMT090202-FW4 TCMT090204-FW4 TCMT110204-FW4 TCMT110208-FW4 TCMT16T304-FW4 TCMT16T308-FW4	9,62	0,2	0,03–0,15	0,1–1,5			☺					
	9,62	0,4	0,05–0,30	0,2–2,0	☺	☺						
	11	0,4	0,07–0,30	0,2–2,5	☺	☺						
	11	0,8	0,12–0,40	0,3–2,5	☺	☺						
	16,5	0,4	0,07–0,35	0,2–2,5	☺	☺						
	16,5	0,8	0,12–0,50	0,3–2,5	☺	☺						
 TCGT06T104M-FP2 TCGT090204M-FP2 TCGT110202M-FP2 TCGT110204M-FP2	6,87	0,37	0,08–0,25	0,2–2,0						☺		
	9,62	0,37	0,08–0,25	0,2–2,5						☺		
	11	0,17	0,05–0,12	0,2–2,0						☺		
	11	0,37	0,08–0,25	0,2–2,5						☺		
 TCGT090204MR-FX4 TCGT110204MR-FX4	9,62	0,37	0,05–0,15	0,2–2,0						☹		
	11	0,37	0,05–0,15	0,2–2,0						☹		
 TCGT090204ML-FX4 TCGT110204ML-FX4	9,62	0,37	0,05–0,15	0,2–2,0						☹		
	11	0,37	0,05–0,15	0,2–2,0						☹		

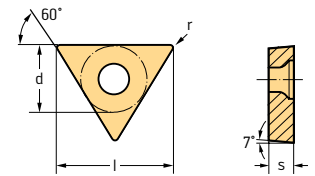
See the ISO 1832 designation key for dimensions

Ordering example for the grade WPP20G: TCMT090202-FW4 WPP20G

HC = Coated carbide

HE = Coated cermet

**Positive triangular 60°**  
**TCMT / TCGT**  
**Tiger-tec® Gold**



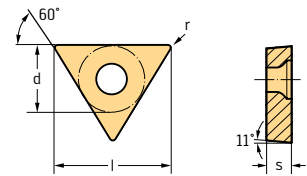
**Indexable inserts**

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K HC	
					HC			HE				
					WKP01G	WPP10G	WPP20G	WPP30G	WEP01C	WEP10C		
	TCMT06T102-FP4	6.87	0.2	0.02-0.10			☉					
	TCMT06T104-FP4	6.87	0.4	0.04-0.17			☉			☉		
	TCMT090202-FP4	9.62	0.2	0.04-0.12			☉					
	TCMT090204-FP4	9.62	0.4	0.05-0.16		☉	☉			☉	☉	
	TCMT090208-FP4	9.62	0.8	0.08-0.20			☉					
	TCMT110202-FP4	11	0.2	0.04-0.12			☉					
	TCMT110204-FP4	11	0.4	0.05-0.16		☉	☉			☉	☉	
	TCMT110208-FP4	11	0.8	0.08-0.20			☉					
	TCMT16T302-FP4	16.5	0.2	0.04-0.12			☉					
	TCMT16T304-FP4	16.5	0.4	0.05-0.16		☉	☉				☉	
TCMT16T308-FP4	16.5	0.8	0.08-0.20			☉			☉			
	TCMT110204-FP6	11	0.4	0.06-0.18			☉					
	TCMT110208-FP6	11	0.8	0.10-0.20			☉					
	TCMT16T304-FP6	16.5	0.4	0.08-0.20			☉					
	TCMT16T308-FP6	16.5	0.8	0.10-0.25			☉					
	TCMT16T304-MW4	16.5	0.4	0.12-0.40			☉					
	TCMT16T308-MW4	16.5	0.8	0.15-0.50			☉					
<b>Wiper</b>												
	TCMT090204-MP4	9.62	0.4	0.08-0.20			☉					
	TCMT090208-MP4	9.62	0.8	0.12-0.25			☉					
	TCMT110204-MP4	11	0.4	0.08-0.20		☉	☉					
	TCMT110208-MP4	11	0.8	0.12-0.30		☉	☉					
	TCMT16T304-MP4	16.5	0.4	0.08-0.25		☉	☉					
	TCMT16T308-MP4	16.5	0.8	0.12-0.32		☉	☉					
	TCMT220408-MP4	22	0.8	0.12-0.32			☉					
	TCGT090204-MP4	9.62	0.4	0.08-0.20			☉					
	TCGT110204-MP4	11	0.4	0.08-0.20		☉	☉					
	TCGT110208-MP4	11	0.8	0.12-0.30			☉					
	TCMT110204-MP6	11	0.4	0.10-0.20		☉	☉					
	TCMT110304-MP6	11	0.4	0.12-0.25			☉					
	TCMT16T304-MP6	16.5	0.4	0.10-0.25		☉	☉					
	TCMT16T308-MP6	16.5	0.8	0.15-0.32		☉	☉					
	TCMT090204-RP4	9.62	0.4	0.12-0.25			☉	☉				
	TCMT090208-RP4	9.62	0.8	0.16-0.30			☉	☉				
	TCMT110204-RP4	11	0.4	0.12-0.25		☉	☉					
	TCMT110208-RP4	11	0.8	0.16-0.30		☉	☉					
	TCMT16T304-RP4	16.5	0.4	0.12-0.25		☉	☉	☉				
	TCMT16T308-RP4	16.5	0.8	0.16-0.35		☉	☉	☉				
	TCMT16T312-RP4	16.5	1.2	0.20-0.40		☉	☉	☉				






See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP20G: TCMT090202-FW4 WPP20G

HC = Coated carbide  
 HE = Coated cermet

## Positive triangular 60° TPMT / TPGT / TPMR / TPGN Tiger-tec® Gold



### Indexable inserts

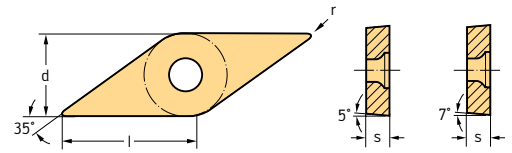
Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P	
					WPP10G	WPP20G
 TPMT110204-FP4 TPMT16T304-FP4	11	0,4	0,05-0,16	0,1-1,5	☺	☺
	16,5	0,4	0,05-0,16	0,1-1,5	☺	☺
 TPMT090204-MP4 TPMT110204-MP4 TPMT110208-MP4 TPMT16T304-MP4 TPMT16T308-MP4	9,62	0,4	0,08-0,20	0,4-2,0	☺	☺
	11	0,4	0,08-0,20	0,4-2,0	☺	☺
	11	0,8	0,12-0,30	0,5-2,0	☺	☺
	16,5	0,4	0,08-0,25	0,4-3,0	☺	☺
	16,5	0,8	0,12-0,32	0,5-3,0	☺	☺
 TPGT090204-MP4 TPGT110204-MP4 TPGT16T304-MP4 TPGT16T308-MP4	9,62	0,4	0,08-0,20	0,4-2,0	☺	☺
	11	0,4	0,08-0,20	0,4-2,0	☺	☺
	16,5	0,4	0,08-0,25	0,4-3,0	☺	☺
	16,5	0,8	0,12-0,32	0,5-3,0	☺	☺
 TPMR110304 TPMR110308 TPMR160304 TPMR160308	11	0,4	0,12-0,25	0,4-3,0	☺	☺
	11	0,8	0,12-0,25	0,4-3,0	☺	☺
	16,5	0,4	0,12-0,25	0,4-3,0	☺	☺
	16,5	0,8	0,16-0,30	0,6-4,0	☺	☺
 TPGN160304 TPGN160308	16,5	0,4	0,10-0,25	0,4-3,0	☺	☺
	16,5	0,8	0,12-0,30	0,8-3,0	☺	☺

See the ISO 1832 designation key for dimensions

Ordering example for the grade WPP10G: TPMT110204-FP4 WPP10G

HC = Coated carbide

**Positive rhombic 35°**  
**VBGT / VCGT / VCMT / VBMT**  
**Tiger-tec® Gold**



**Indexable inserts**

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P						K	
					HC			HE				HC
					WKP01G	WPP10G	WPP20G	WPP30G	WEP01C	WEP10C	WKP01G	HC
VBGT110302-FL2	11.07	0.2	0.04-0.10	0.1-1.0			☺					
VBGT110304-FL2	11.07	0.4	0.06-0.15	0.2-1.5			☺					
VCGT1103005M-FP2	11.07	0.03	0.01-0.04	0.1-1.0							☺	
VCGT110301M-FP2	11.07	0.07	0.02-0.06	0.1-1.5							☺	
VCGT110302M-FP2	11.07	0.17	0.05-0.12	0.2-2.0							☺	
VCGT110304M-FP2	11.07	0.37	0.08-0.25	0.2-2.5							☺	
VCGT160402M-FP2	16.61	0.17	0.05-0.12	0.2-2.0							☺	
VCGT160404M-FP2	16.61	0.37	0.08-0.25	0.2-2.5							☺	
VCGT160408M-FP2	16.61	0.77	0.10-0.30	0.3-3.0							☺	
VCGT110302MR-FX4	11.07	0.17	0.02-0.10	0.1-1.5					☹			
VCGT110304MR-FX4	11.07	0.37	0.05-0.15	0.2-2.0					☹			
VCGT160404MR-FX4	16.61	0.37	0.05-0.15	0.2-2.0					☹			
VCGT110302ML-FX4	11.07	0.17	0.02-0.10	0.1-1.5					☹			
VCGT110304ML-FX4	11.07	0.37	0.05-0.15	0.2-2.0					☹			
VCGT160404ML-FX4	16.61	0.37	0.05-0.15	0.2-2.0					☹			
VCMT110302-FP4	11.07	0.2	0.04-0.12	0.1-1.0	☺	☺	☺				☺	☺
VCMT110304-FP4	11.07	0.4	0.05-0.16	0.1-1.5	☺	☺	☺				☺	☺
VCMT160402-FP4	16.61	0.2	0.04-0.12	0.1-1.0	☺	☺	☺				☺	☺
VCMT160404-FP4	16.61	0.4	0.05-0.16	0.1-1.5	☺	☺	☺				☺	☺
VCMT160408-FP4	16.61	0.8	0.08-0.20	0.1-1.5	☺	☺	☺				☺	☺
VBMT110304-FP6	11.07	0.4	0.06-0.18	0.3-2.0		☺	☺					
VBMT110308-FP6	11.07	0.8	0.10-0.20	0.5-2.0		☺	☺					
VBMT160404-FP6	16.61	0.4	0.08-0.20	0.3-2.0		☺	☺					
VBMT160406-FP6	16.61	0.6	0.10-0.25	0.4-2.0		☺	☺					
VBMT160408-FP6	16.61	0.8	0.10-0.25	0.5-2.0		☺	☺					
VBMT160412-FP6	16.61	1.2	0.12-0.30	0.6-2.0		☺	☺					
VBMT110304-MP4	11.07	0.4	0.08-0.20	0.4-1.5		☺	☺					
VBMT110308-MP4	11.07	0.8	0.12-0.25	0.5-1.5		☺	☺					
VBMT160404-MP4	16.61	0.4	0.08-0.20	0.4-2.0		☺	☺					
VBMT160406-MP4	16.61	0.6	0.12-0.25	0.5-2.0		☺	☺					
VBMT160408-MP4	16.61	0.8	0.12-0.30	0.5-2.0		☺	☺					
VBMT160412-MP4	16.61	1.2	0.12-0.32	0.5-2.0		☺	☺					
VCMT160404-MP4	16.61	0.4	0.08-0.20	0.4-2.0		☺	☺					
VCMT160408-MP4	16.61	0.8	0.12-0.30	0.5-2.0		☺	☺					
VBMT160404-MP6	16.61	0.4	0.10-0.25	0.4-2.5		☺	☺					
VBMT160408-MP6	16.61	0.8	0.15-0.30	0.6-2.5		☺	☺					
VCMT110304-RP4	11.07	0.4	0.12-0.20	0.4-2.5		☺	☺	☹				
VCMT110308-RP4	11.07	0.8	0.16-0.25	0.6-3.0		☺	☺					
VCMT160404-RP4	16.61	0.4	0.12-0.25	0.4-2.5		☺	☺	☹				
VCMT160406-RP4	16.61	0.6	0.15-0.25	0.6-3.0		☺	☺					
VCMT160408-RP4	16.61	0.8	0.16-0.30	0.6-3.0		☺	☺	☹				
VCMT160412-RP4	16.61	1.2	0.20-0.35	0.8-3.0		☺	☺	☹				

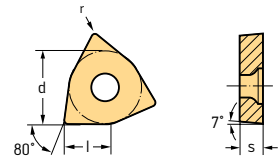
See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP20G: VBGT110302-FL2 WPP20G

HC = Coated carbide  
 HE = Coated cermet





**WALTER SELECT**

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

**Positive Trigon 80°**  
**WCMT**  
**Tiger-tec® Gold**



### Indexable inserts

Designation	l mm	r mm	f mm	a <sub>p</sub> mm	P		
					HC	WPP10G	WPP20G
 WCMT040202-FP4 WCMT040204-FP4 WCMT040208-FP4 WCMT06T302-FP4 WCMT06T304-FP4 WCMT06T308-FP4 WCMT080404-FP4 WCMT080408-FP4	4,34	0,2	0,04–0,12	0,1–1,0	☺	☺	
	4,34	0,4	0,05–0,16	0,1–1,5	☺	☺	
	4,34	0,8	0,08–0,20	0,1–1,5		☺	
	6,52	0,2	0,04–0,12	0,1–1,0		☺	
	6,52	0,4	0,05–0,16	0,1–1,5		☺	
	6,52	0,8	0,08–0,20	0,1–1,5		☺	
	8,69	0,4	0,05–0,16	0,1–1,5		☺	
	8,69	0,8	0,08–0,20	0,1–1,5		☺	
 WCMT040204-FP6 WCMT040208-FP6	4,34	0,4	0,06–0,18	0,3–2,0		☺	
	4,34	0,8	0,10–0,20	0,5–2,0		☺	
 WCMT06T304-MP4 WCMT06T308-MP4	6,52	0,4	0,08–0,25	0,4–2,5		☺	
	6,52	0,8	0,12–0,32	0,5–2,5		☺	
 WCMT030202-RP4 WCMT040204-RP4 WCMT06T304-RP4 WCMT06T308-RP4 WCMT080404-RP4 WCMT080408-RP4 WCMT080412-RP4	3,91	0,2	0,08–0,12	0,2–1,5		☺	
	4,34	0,4	0,12–0,25	0,4–2,5		☺	
	6,52	0,4	0,12–0,25	0,4–3,0		☺	
	6,52	0,8	0,16–0,35	0,6–3,0		☺	☺
	8,69	0,4	0,12–0,25	0,4–3,0		☺	
	8,69	0,8	0,16–0,40	0,6–4,0		☺	☺
	8,69	1,2	0,20–0,45	0,8–4,0		☺	

See the ISO 1832 designation key for dimensions

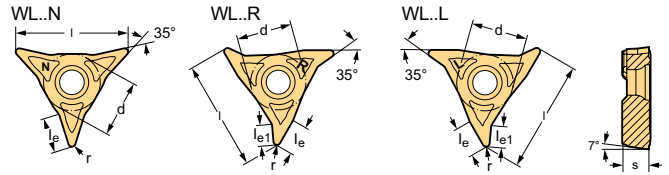
Ordering example for the grade WPP10G: WCMT040202-FP4 WPP10G

HC = Coated carbide

# Indexable inserts copy turning system

WL...-VC...

**Tiger-tec® Gold**



## Indexable inserts

Designation	r mm	l mm	l <sub>e</sub> mm	l <sub>e1</sub> mm	f mm	a <sub>p</sub> mm	P				K	
							WKPD1G	WPP10G	WPP20G	WKP01G	HC	HC
	WL17-VC0504N-FP4	0.4	17	5		0.05-0.20	0.1-1.8					
	WL17-VC0508N-FP4	0.8	17	5.7		0.08-0.25	0.2-1.8					
	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	☺	☺	☺	☺	☺
	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-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	☺	☺	☺	☺	☺
		WL17-VC0504N-MP4	0.4	17	5		0.08-0.25	0.4-2.0				
WL17-VC0508N-MP4		0.8	17	5.7		0.12-0.30	0.5-2.0					
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-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		☺	☺		
	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		☺	☺		

Ordering example for the grade WPP20G: WL17-VC0504N-FP4 WPP20G

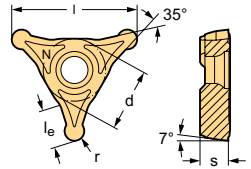
HC = Coated carbide

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


**Indexable inserts copy turning system**

WL...-RC...

**Tiger-tec® Gold**



**Indexable inserts**

Designation	r mm	l mm	le mm	f mm	ap mm	P
						HC
						WPP20G
 WL25-RC0420N-MU6 WL25-RC0525N-MU6	2	25	7,2	0,12-0,40	0,5-2,0	☺
	2,5	25	6,9	0,12-0,45	0,5-2,5	☺

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

HC = Coated carbide



## Square-shank turning toolholders – Negative basic shape

Type				
Machining				
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		
Insert size l [mm]	9–19	12–16	9–25	12–19
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	DCLN	DCLN-P	PCLN
				DCBN

Type				
Machining				
Designation	DCKN	DCRN	PCBN	PCKN
Approach angle	75°	75°	75°	75°
Clamping system	Claw	Claw	Lever-type	Lever-type
Coolant supply	External	External	External	External
Shank size h [mm]	25–32		25–32	25
Shank size h [Inch]	1,000–1,250	1,000–1,250		
Insert size l [mm]	12–16	12–19	12–19	12
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	DCKN	DCRN	PCBN
				PCKN

## Square-shank turning toolholders – Negative basic shape

Type				
Machining				
Designation	PCSN	DDHN	DDQN	DDJN
Approach angle	45°	107,5°	107,5°	93°
Clamping system	Lever-type	Claw	Claw	Claw
Coolant supply	External	External	External	External
Shank size h [mm]	25	20–25	1,000–1,250	20–32
Shank size h [Inch]				0,625–1,500
Insert size l [mm]	12	15	15	11–15
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	PCSN	DDHN	DDQN

Type				
Machining				
Designation	DDJN...-P	PDJN	DDNN	DDPN
Approach angle	93°	93°	62,5°	62,5°
Clamping system	Claw	Lever-type	Claw	Claw
Coolant supply	Precision cooling	External	External	External
Shank size h [mm]	20–25	16–32	20–32	
Shank size h [Inch]	0,750–1,000			0,750–1,250
Insert size l [mm]	11–15	11–15	11–15	15
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	DDJN-P	PDJN	DDNN

## Square-shank turning toolholders – Negative basic shape

Type				
Machining				
Designation	DSBN	DSKN	DSRN	DSBN...-P
Approach angle	75°	75°	75°	75°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]	25–40	25–32		25
Shank size h [Inch]			0,750–1,500	
Insert size l [mm]	12–19	12–15	12–25	12
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/DSBN">www.walter-tools.com/woc/DSBN</a>	<a href="http://www.walter-tools.com/woc/DSKN">www.walter-tools.com/woc/DSKN</a>	<a href="http://www.walter-tools.com/woc/DSRN">www.walter-tools.com/woc/DSRN</a>	<a href="http://www.walter-tools.com/woc/DSBN-P">www.walter-tools.com/woc/DSBN-P</a>

Type				
Machining				
Designation	PSBN	PSKN	DSDN	DSSN
Approach angle	75°	75°	45°	45°
Clamping system	Lever-type	Lever-type	Claw	Claw
Coolant supply	External	External	External	External
Shank size h [mm]	20–50	20–32	20–32	20–32
Shank size h [Inch]			0,625–1,500	1,000
Insert size l [mm]	12–25	12–19	9–25	12–19
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/PSBN">www.walter-tools.com/woc/PSBN</a>	<a href="http://www.walter-tools.com/woc/PSKN">www.walter-tools.com/woc/PSKN</a>	<a href="http://www.walter-tools.com/woc/DSDN">www.walter-tools.com/woc/DSDN</a>	<a href="http://www.walter-tools.com/woc/DSSN">www.walter-tools.com/woc/DSSN</a>

## Square-shank turning toolholders – Negative basic shape

Type				
Machining				
Designation	DSSN...-P	PSDN	PSSN	DTJN
Approach angle	45°	45°	45°	93°
Clamping system	Claw	Lever-type	Lever-type	Claw
Coolant supply	Precision cooling	External	External	External
Shank size h [mm]	25	12–40	16–32	
Shank size h [Inch]				0,750–1,250
Insert size l [mm]	12	9–25	9–19	16–27
Page in catalogue				
QR code				
www.walter-tools.com/woc/	DSSN-P	PSDN	PSSN	DTJN

Type				
Machining				
Designation	MTJN	DTFN	DTGN	DTGN...-P
Approach angle	93°	91°	91°	91°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]	20–32		20–32	20–25
Shank size h [Inch]		1,000		
Insert size l [mm]	16–22	22	16–22	16
Page in catalogue				
QR code				
www.walter-tools.com/woc/	MTJN	DTFN	DTGN	DTGN-P

## Square-shank turning toolholders – Negative basic shape

Type				
Machining				



Designation	PTFN	PTGN	DVPN	DVTN
Approach angle	91°	91°	117,5°	117,5°
Clamping system	Lever-type	Lever-type	Claw	Claw
Coolant supply	External	External	External	External
Shank size h [mm]	16–25	16–40	25–32	
Shank size h [Inch]				0,750–1,250
Insert size l [mm]	16	11–27	16	16

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>

Type				
Machining				



Designation	DVJN	DVJN...-P	DVVN	DWLN
Approach angle	93°	93°	72,5°	95°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	Precision cooling	External	External
Shank size h [mm]	20–32	20–25	20–32	16–32
Shank size h [Inch]	0,750–1,250	0,750–1,000	0,750–1,250	0,750–1,250
Insert size l [mm]	16	16	16	6–10

Page in catalogue

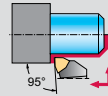
QR code				
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## Square-shank turning toolholders – Negative basic shape

Type



Machining



Designation	DWLN...-P	PWLN
Approach angle	95°	95°
Clamping system	Claw	Lever-type
Coolant supply	Precision cooling	External
Shank size h [mm]	20–25	16–32
Shank size h [Inch]	0,750–1,000	
Insert size l [mm]	8	6–10
Page in catalogue		

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

DWLN-P

PWLN

## Square-shank turning toolholders – Positive basic shape

Type		
Machining		

**NEW** **NEW**



Designation	SCLC	SCLC...-P	SCLC...-S-P	SDHC
Approach angle	95°	95°	95°	107,5°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	External	Precision cooling	Precision cooling	External
Shank size h [mm]	10–25	20–25	10–16	12–25
Shank size h [Inch]	0,375–1,250	0,750–1,000		
Insert size l [mm]	6–12	9	6–9	7–11
Page in catalogue		70	72	

QR code					
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	SCLC	SCLC-P	SCLC-S-P	SDHC

Type	
Machining	

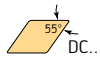

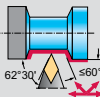
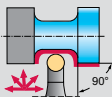
**NEW** **NEW**



Designation	SDJC	SDJC...-P	SDJC...-S-P	DDJC...-P
Approach angle	93°	93°	93°	93°
Clamping system	Screw	Screw	Screw	Claw
Coolant supply	External	Precision cooling	Precision cooling	Precision cooling
Shank size h [mm]	10–25	20–25	10–16	20–25
Shank size h [Inch]	0,375–1,000	0,750–1,000		
Insert size l [mm]	7–11	11	7–11	11
Page in catalogue		73	75	

QR code					
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	SDJC	SVJC-P	SVJC-S-P	DDJC-P

## Square-shank turning toolholders – Positive basic shape

Type		
Machining		

NEW



Designation	SDNC	SDNC...-P	SRAC	SRDC
Approach angle	62,5°	62,5°	0°	0°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	External	Precision cooling	External	External
Shank size h [mm]	10–25	12–16		12–32
Shank size h [Inch]			1,000–1,250	0,500–1,250
Insert size l [mm]	7–11	7–11	6–12	6–16
Page in catalogue		76		

QR code


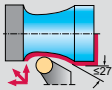

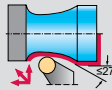

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

SDNC

SDNC-P

SRAC

SRDC

Type			
Machining			



Designation	SRGC	SRSC	PRDC	PRGC
Approach angle	0°	0°	0°	0°
Clamping system	Screw	Screw	Lever-type	Lever-type
Coolant supply	External	External	External	External
Shank size h [mm]		20–32	20–50	20–40
Shank size h [Inch]	1,000	1,000		
Insert size l [mm]	12	6–16	10–32	10–25
Page in catalogue				

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

SRGC

SRSC

PRDC

PRGC



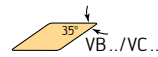
## Square-shank turning toolholders – Positive basic shape

Type			
Machining			
Designation	SSDC	SSDCN	STGC
Approach angle	45°	45°	91°
Clamping system	Screw	Screw	Screw
Coolant supply	External	External	External
Shank size h [mm]	16–25	12–25	12–25
Shank size h [Inch]		0,375–0,750	0,375–1,000
Insert size l [mm]	9–12	6–12	11–16
Page in catalogue			
QR code			
	<a href="http://www.walter-tools.com/woc/SSDC">www.walter-tools.com/woc/SSDC</a>	<a href="http://www.walter-tools.com/woc/SSDCN">www.walter-tools.com/woc/SSDCN</a>	<a href="http://www.walter-tools.com/woc/STGC">www.walter-tools.com/woc/STGC</a>

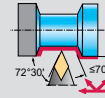
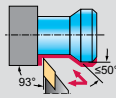
Type			
Machining			
Designation	PVHB	SVJB	SVJB...-P
Approach angle	107,5°	93°	93°
Clamping system	Lever-type	Screw	Screw
Coolant supply	External	External	Precision cooling
Shank size h [mm]	16–32	12–32	20–25
Shank size h [Inch]		0,500–1,000	
Insert size l [mm]	11–16	11–16	16
Page in catalogue			77
QR code			
	<a href="http://www.walter-tools.com/woc/PVHB">www.walter-tools.com/woc/PVHB</a>	<a href="http://www.walter-tools.com/woc/SVJB">www.walter-tools.com/woc/SVJB</a>	<a href="http://www.walter-tools.com/woc/SVJB-P">www.walter-tools.com/woc/SVJB-P</a>

## Square-shank turning toolholders – Positive basic shape

Type



Machining



Designation	DVJB...-P	PVJB	SVVB	PVVB
Approach angle	93°	93°	72,5°	72,5°
Clamping system	Claw	Lever-type	Screw	Lever-type
Coolant supply	Precision cooling	External	External	External
Shank size h [mm]	20–25	16–32	12–32	20–32
Shank size h [Inch]			0,750–1,000	
Insert size l [mm]	16	11–16	11–16	11–16
Page in catalogue				

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

DVJB-P

PVJB

SVVB

PVVB

Type



Machining



Designation	SWLC
Approach angle	95°
Clamping system	Screw
Coolant supply	External
Shank size h [mm]	12–25
Shank size h [Inch]	
Insert size l [mm]	4–8
Page in catalogue	

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

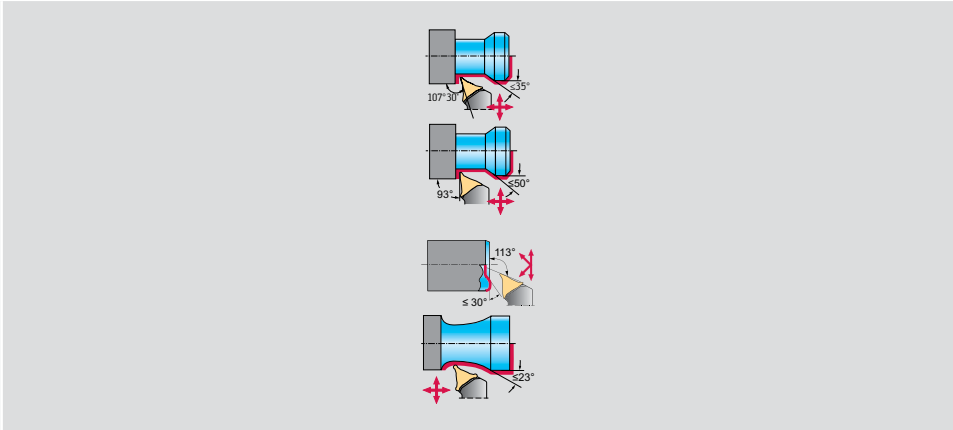
SWLC

# Shank tool – WL Copy turning system

Type



Machining



Designation	W1011	W1011...-P	W1011...-S-P
Approach angle	107,5°	107,5°	107,5°
Clamping system	Screw	Screw	Screw
Coolant supply	External	Precision cooling	Precision cooling
Shank size h [mm]	16–25	16–32	12–16
Shank size h [Inch]		0,750–1,000	
Insert size l [mm]	25	17–25	17

Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

W1011

W1011-P

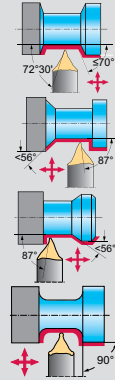
W1011-S-P

## Shank tool – WL Copy turning system

Type



Machining



Designation	W1010...-P
Approach angle	72,5°
Clamping system	Screw
Coolant supply	Precision cooling
Shank size h [mm]	16–25
Shank size h [Inch]	0,750–1,000
Insert size l [mm]	17–25



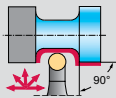
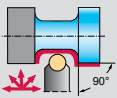
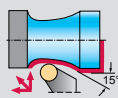
Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

W1010-P

## Square-shank turning toolholders – Ceramic indexable inserts

Type	 RC../RP..	 RN..	
Machining			



Designation	CRDC	CRDN	CRSN	CRSN...-P
Approach angle	0°	0°	0°	0°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	External	External	External	Precision cooling
Shank size h [mm]	32	25–32	25–32	25
Shank size h [Inch]				
Insert size l [mm]	9–12	12	12–15	12

Page in catalogue

QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	CRDC	CRDN	CRSN	CRSN-P

## Walter Capto™ turning toolholders – Negative basic shape

Type				
Machining				
Designation	C...-DCLN	C...-DCLN...-P	C...-PCLN	C...-DDHN...-P
Approach angle	95°	95°	95°	107,5°
Clamping system	Claw	Claw	Lever-type	Claw
Coolant supply	Internal	Precision cooling	Internal	Precision cooling
Walter Capto™ size	C4–C8	C4–C8	C3–C8	C6
Insert size l [mm]	12–19	12–16	12–25	15
Page in catalogue				
QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	C-DCLN	C-DCLN-P	C-PCLN	C-DDHN-P

Type				
Machining				
Designation	C...-DDJN	C...-DDUN	C...-DDJN...-P	C...-DDUN...-P
Approach angle	93°	93°	93°	93°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	Internal	Internal	Precision cooling	Precision cooling
Walter Capto™ size	C4–C8	C4–C8	C4–C8	C6
Insert size l [mm]	11–15	15	11–15	15
Page in catalogue				
QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	C-DDJN	C-DDUN	C-DDJN-P	C-DDUN-P

## Walter Capto™ turning toolholders – Negative basic shape

Type				
Machining				
Designation	C...-PDJN	C...-DSKN	C...-DSRN	C...-PSKN
Approach angle	93°	75°	75°	75°
Clamping system	Lever-type	Claw	Claw	Lever-type
Coolant supply	Internal	Internal	Internal	Internal
Walter Capto™ size	C3–C6	C4–C8	C4–C8	C6–C8
Insert size l [mm]	11–15	12–19	12–25	15–19
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/C-PDJN">www.walter-tools.com/woc/C-PDJN</a>	<a href="http://www.walter-tools.com/woc/C-DSKN">www.walter-tools.com/woc/C-DSKN</a>	<a href="http://www.walter-tools.com/woc/C-DSRN">www.walter-tools.com/woc/C-DSRN</a>	<a href="http://www.walter-tools.com/woc/C-PSKN">www.walter-tools.com/woc/C-PSKN</a>

Type				
Machining				
Designation	C...-PSRN	C...-DSDN	C...-DSSN	C...-MTJN
Approach angle	75°	45°	45°	93°
Clamping system	Lever-type	Claw	Claw	Claw
Coolant supply	Internal	Internal	Internal	Internal
Walter Capto™ size	C6–C8	C4–C8	C4–C6	C4–C6
Insert size l [mm]	19–25	12–25	12–19	16–22
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/C-PSRN">www.walter-tools.com/woc/C-PSRN</a>	<a href="http://www.walter-tools.com/woc/C-DSDN">www.walter-tools.com/woc/C-DSDN</a>	<a href="http://www.walter-tools.com/woc/C-DSSN">www.walter-tools.com/woc/C-DSSN</a>	<a href="http://www.walter-tools.com/woc/C-MTJN">www.walter-tools.com/woc/C-MTJN</a>

## Walter Capto™ turning toolholders – Negative basic shape

Type			
Machining			



Designation	C...-DTGN...-P	C...-DVJN	C...-DVJN...-P	C...-DWLN
Approach angle	91°	93°	93°	95°
Clamping system	Claw	Claw	Claw	Claw
Coolant supply	Precision cooling	Internal	Precision cooling	Internal
Walter Capto™ size	C4	C4–C8	C4–C6	C4–C6
Insert size l [mm]	16	16	16	6–10
Page in catalogue				

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

C-DTGN-P

C-DVJN

C-DVJN-P

C-DWLN

Type	
Machining	



Designation	C...-DWLN...-P	C...-PWLN
Approach angle	95°	95°
Clamping system	Claw	Lever-type
Coolant supply	Precision cooling	Internal
Walter Capto™ size	C4–C6	C3–C6
Insert size l [mm]	8	6–10
Page in catalogue		

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

C-DWLN-P

C-PWLN



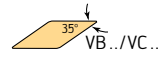
## Walter Capto™ turning toolholders – Positive basic shape

Type				
Machining				
Designation	C...-SCLC	C...-SDJC	C...-DDJC...-P	C...-SDNC
Approach angle	95°	93°	93°	62,5°
Clamping system	Screw	Screw	Claw	Screw
Coolant supply	Internal	Internal	Precision cooling	Internal
Walter Capto™ size	C3–C6	C3–C6	C4–C5	C3–C5
Insert size l [mm]	9–12	7–11	11	11
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/C-SCLC">www.walter-tools.com/woc/C-SCLC</a>	<a href="http://www.walter-tools.com/woc/C-SDJC">www.walter-tools.com/woc/C-SDJC</a>	<a href="http://www.walter-tools.com/woc/C-DDJC-P">www.walter-tools.com/woc/C-DDJC-P</a>	<a href="http://www.walter-tools.com/woc/C-SDNC">www.walter-tools.com/woc/C-SDNC</a>

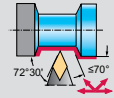
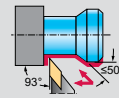
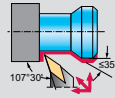
Type				
Machining				
Designation	C...-SRDC	C...-SRSC	C...-PRSC	C...-STGC
Approach angle	0°	0°	0°	91°
Clamping system	Screw	Screw	Lever-type	Screw
Coolant supply	Internal	Internal	Internal	Internal
Walter Capto™ size	C3–C6	C4–C6	C5–C8	C4–C5
Insert size l [mm]	6–16	6–16	16–25	11–16
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/C-SRDC">www.walter-tools.com/woc/C-SRDC</a>	<a href="http://www.walter-tools.com/woc/C-SRSC">www.walter-tools.com/woc/C-SRSC</a>	<a href="http://www.walter-tools.com/woc/C-PRSC">www.walter-tools.com/woc/C-PRSC</a>	<a href="http://www.walter-tools.com/woc/C-STGC">www.walter-tools.com/woc/C-STGC</a>





## Walter Capto™ turning toolholders – Positive basic shape

Type



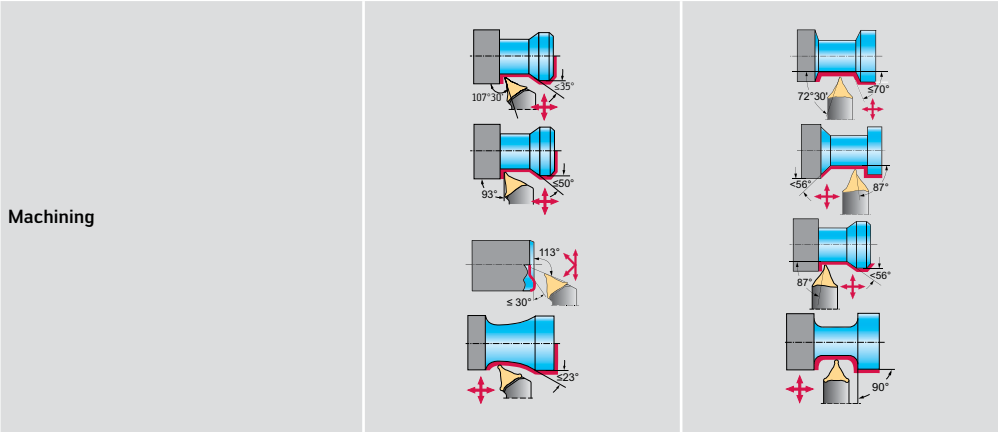
Machining



Designation	C...-SVHB	C...-SVJB	C...-DVJB...-P	C...-SVVB
Approach angle	107,5°	93°	93°	72,5°
Clamping system	Screw	Screw	Claw	Screw
Coolant supply	Internal	Internal	Precision cooling	Internal
Walter Capto™ size	C3–C6	C3–C6	C4–C8	C4–C6
Insert size l [mm]	11–16	11–16	16	11–16
Page in catalogue				
QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	C-SVHB	C-SVJB	C-DVJB-P	C-SVVB

# Walter Capto™ – WL copy turn system

Type



Designation	W1011-C...-P	W1010-C...-P
Approach angle	107,5°	72,5°
Clamping system	Screw	Screw
Coolant supply	Precision cooling	Precision cooling
Walter Capto™ size	C4-C6	C4-C6
Insert size l [mm]	25	25

Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

W1011-C-P

W1010-C-P

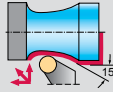
## Square-shank turning toolholders – Ceramic indexable inserts

Type



RN..

Machining



Designation

C...-CRSN...-P

Approach angle

0°

Clamping system

Claw

Coolant supply

Precision cooling

Walter Capto™ size

C6

Insert size l [mm]

12

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

C-CRSN-P

## Walter Capto™ turning toolholders – Turning and milling centers

Type				
Machining				
Designation	C...-SCMC	C...-DCMN	C...-DDMN	C...-SRDC
Approach angle	95°	95°	93°	0°
Clamping system	Screw	Claw	Claw	Screw
Coolant supply	axial	axial	axial	Internal
Walter Capto™ size	C6	C5–C8	C5–C8	C6
Insert size l [mm]	12	12–16	15	10–16
Page in catalogue				
QR code				
	<a href="http://www.walter-tools.com/woc/C-SCMC">www.walter-tools.com/woc/C-SCMC</a>	<a href="http://www.walter-tools.com/woc/C-DCMN">www.walter-tools.com/woc/C-DCMN</a>	<a href="http://www.walter-tools.com/woc/C-DDMN">www.walter-tools.com/woc/C-DDMN</a>	<a href="http://www.walter-tools.com/woc/C-SRDC">www.walter-tools.com/woc/C-SRDC</a>

Type		
Machining		
Designation	C...-SVMB	C...-DVMN
Approach angle	95°	95°
Clamping system	Screw	Claw
Coolant supply	axial	axial
Walter Capto™ size	C5–C6	C8
Insert size l [mm]	16	16
Page in catalogue		
QR code		
	<a href="http://www.walter-tools.com/woc/C-SVMB">www.walter-tools.com/woc/C-SVMB</a>	<a href="http://www.walter-tools.com/woc/C-DVMN">www.walter-tools.com/woc/C-DVMN</a>

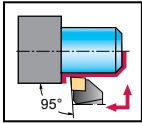
## Shank tool – Screw clamping

SCLC...-P 

Walter Turn



– Precision cooling



## Tool

Designation	h = h <sub>1</sub> mm	b mm	f mm	l <sub>1</sub> mm	l <sub>4</sub> mm	γ	λ <sub>s</sub>	T <sub>h</sub>	Type	
★ SCLCR2020X09-P	9	20	20	25	95	18,5	0°	0°	G1/8"	CC .. 09T3 ..
★ SCLCR2525X09-P	9	25	25	25	110	18,5	0°	0°	G1/8"	
★ SCLCL2020X09-P	9	20	20	25	95	18,5	0°	0°	G1/8"	CC .. 09T3 ..
★ SCLCL2525X09-P	9	25	25	25	110	18,5	0°	0°	G1/8"	

Square shank

Dimensional drawing shows right-hand version. | Measured with master insert:CC .. 09T308 | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalogue for more product information: [www.walter-tools.com](http://www.walter-tools.com) | Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	Type h = h <sub>1</sub> [mm]	CC .. 09T3 .. 20–25
	Clamping screw for indexable insert Tightening torque	FS2060 (T15IP) 3 Nm
	Shim	AP313-CC0908
	Screw for shim	FS2068 (SW 3,5)
	M6 threaded plug	FS2288 (SW 3)
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1465 (T15IP)

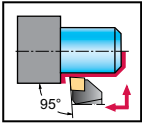
# Shank tool – Screw clamping

SCLC...-P inch

Walter Turn



– Precision cooling



Tool			h = h <sub>1</sub> inch	b inch	f inch	l <sub>1</sub> inch	l <sub>4</sub> inch	γ	λ <sub>s</sub>	T <sub>h</sub>	Type
	★ SCLCR123B-P	9	0,750	0,750	1,000	4,500	0,728	0°	0°	G1/8"	CC .. 09T3 ..
	★ SCLCR163D-P	9	1,000	1,000	1,250	6,000	0,728	0°	0°	G1/8"	
	★ SCLCL123B-P	9	0,750	0,750	1,000	4,500	0,728	0°	0°	G1/8"	CC .. 09T3 ..
	★ SCLCL163D-P	9	1,000	1,000	1,250	6,000	0,728	0°	0°	G1/8"	

Square shank

Dimensional drawing shows right-hand version. | Measured with master insert: CC .. 09T308 / CC .. 09T304 | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalogue for more product information: [www.walter-tools.com](http://www.walter-tools.com) | Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type h = h <sub>1</sub> [inch]	CC .. 09T3 .. 0,75–1
	Clamping screw for indexable insert Tightening torque		FS2060 (T15IP) 2,213 lbs
	Shim		AP313-CC0908
	Screw for shim		FS2068 (SW 3,5)
	M6 threaded plug		FS2288 (SW 3)
	G 1/8" threaded plug		FS2258 (SW 2)
	Torx key		FS1465 (T15IP)

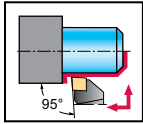
## Shank tool – Screw clamping

SCLC...-S-P 








Walter Turn

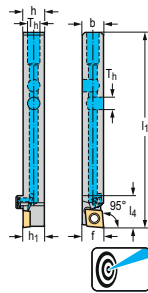


- Precision cooling
- For Swiss Machining



## Tool




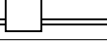

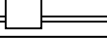
Designation		h = h <sub>1</sub> mm	b mm	f mm	l <sub>1</sub> mm	l <sub>4</sub> mm	γ	λ <sub>s</sub>	T <sub>h</sub>	Type
★ SCLCR1010H06-S-P		6	10	10	100	16	0°	0°	M6	CC .. 0602 ..
SCLCR1212J09-S-P		9	12	12	110	18	0°	0°	M8X1	CC .. 09T3 ..
SCLCR1616X09-S-P		9	16	16	120	18	0°	0°	G1/8"	
★ SCLCL1010H06-S-P		6	10	10	100	16	0°	0°	M6	CC .. 0602 ..
SCLCL1212J09-S-P		9	12	12	110	18	0°	0°	M8X1	CC .. 09T3 ..
SCLCL1616X09-S-P		9	16	16	120	18	0°	0°	G1/8"	






Square shank

Dimensional drawing shows right-hand version. | Measured with master insert: CC .. 060204 / CC .. 09T308 | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalogue for more product information: [www.walter-tools.com](http://www.walter-tools.com) | Bodies and assembly parts are included in the scope of delivery

## Assembly parts

Type h = h <sub>1</sub> [mm]	CC .. 0602 .. 10	CC .. 09T3 .. 12	CC .. 09T3 .. 16
 Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,9 Nm	FS2119 (T15IP) 3 Nm	FS2119 (T15IP) 3 Nm
 G 1/8" threaded plug			FS2258 (SW 2)
 M8X1 threaded plug		FS2587 (SW 4)	
 Torx key		FS1496 (T15IP)	FS1496 (T15IP)
 M6 threaded plug	FS2288 (SW 3)		
 Torx key	FS1490 (T7IP)		

## Accessories

Type h = h <sub>1</sub> [mm]	CC .. 0602 ..-CC .. 09T3 .. 10-16	CC .. 09T3 .. 12
 M8x1 angle connection		FS2596
 M8x1 connection element		FS2597
 Copper gasket		FS2598



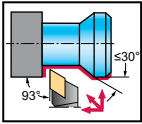
# Shank tool – Screw clamping


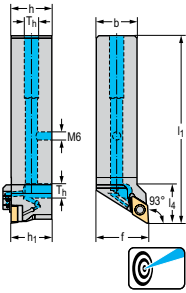
SDJC...-P

Walter Turn








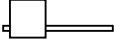
– Precision cooling



Tool	Designation		$h = h_1$ mm	b mm	f mm	$l_1$ mm	$l_4$ mm	$\gamma$	$\lambda_s$	$T_h$	Type
	★ SDJCR2020X11-P		11	20	25	100	23,5	0°	0°	G1/8"	DC .. 11T3 ..
	★ SDJCR2525X11-P		11	25	32	115	23,5	0°	0°	G1/8"	
	★ SDJCL2020X11-P		11	20	25	100	23,5	0°	0°	G1/8"	DC .. 11T3 ..
	★ SDJCL2525X11-P		11	25	32	115	23,5	0°	0°	G1/8"	

Square shank

Dimensional drawing shows right-hand version. | Measured with master insert:DC .. 11T308 | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalogue for more product information: [www.walter-tools.com](http://www.walter-tools.com) | Bodies and assembly parts are included in the scope of delivery

Assembly parts	Type $h = h_1$ [mm]	DC .. 11T3 .. 20–25
	Clamping screw for indexable insert Tightening torque	FS2060 (T15IP) 3 Nm
	Shim	AP315-DC1108
	Screw for shim	FS2068 (SW 3,5)
	M6 threaded plug	FS2288 (SW 3)
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1465 (T15IP)

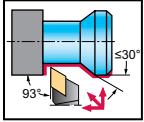
## Shank tool – Screw clamping

SDJC...-P inch

Walter Turn



– Precision cooling



## Tool

	Designation	h = h <sub>1</sub> inch	b inch	f inch	l <sub>1</sub> inch	l <sub>4</sub> inch	γ	λ <sub>s</sub>	T <sub>h</sub>	Type
	★ SDJCR123B-P	11	0,750	0,750	1,000	4,500	0°	0°	G1/8"	DC .. 11T3 ..
	★ SDJCR163D-P	11	1,000	1,000	1,250	6,000	0°	0°	G1/8"	
	★ SDJCL123B-P	11	0,750	0,750	1,000	4,500	0°	0°	G1/8"	DC .. 11T3 ..
	★ SDJCL163D-P	11	1,000	1,000	1,250	6,000	0°	0°	G1/8"	

Square shank

Dimensional drawing shows right-hand version. | Measured with master insert: DC .. 11T308 | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalogue for more product information: [www.walter-tools.com](http://www.walter-tools.com) | Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	Type h = h <sub>1</sub> [inch]	DC .. 11T3 .. 0,75–1
	Clamping screw for indexable insert Tightening torque	FS2060 (T15IP) 2,213 lbs
	Shim	AP315-DC1108
	Screw for shim	FS2068 (SW 3,5)
	M6 threaded plug	FS2288 (SW 3)
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1465 (T15IP)

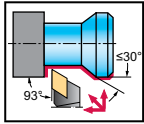
# Shank tool – Screw clamping

SDJC...-S-P

Walter Turn



- Precision cooling
- For Swiss Machining



Tool	Designation		h = h <sub>1</sub> mm	b mm	f mm	l <sub>1</sub> mm	l <sub>4</sub> mm	γ	λ <sub>s</sub>	T <sub>h</sub>	Type
	★ SDJCR1010H07-S-P	7	10	10	10	100	17	0°	0°	M6	DC .. 0702 ..
	★ SDJCR1212J07-S-P	7	12	12	12	110	17	0°	0°	M8X1	
	SDJCR1212J11-S-P	11	12	12	12	110	22	0°	0°	M8X1	DC .. 11T3 ..
	SDJCR1616X11-S-P	11	16	16	16	120	22	0°	0°	G1/8"	
	★ SDJCL1010H07-S-P	7	10	10	10	100	17	0°	0°	M6	DC .. 0702 ..
	★ SDJCL1212J07-S-P	7	12	12	12	110	17	0°	0°	M8X1	
	SDJCL1212J11-S-P	11	12	12	12	110	22	0°	0°	M8X1	DC .. 11T3 ..
	SDJCL1616X11-S-P	11	16	16	16	120	22	0°	0°	G1/8"	

Square shank

Dimensional drawing shows right-hand version. | Measured with master insert: DC .. 070204 / DC .. 11T308 | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalogue for more product information: [www.walter-tools.com](http://www.walter-tools.com) | Bodies and assembly parts are included in the scope of delivery

Assembly parts	Type h = h <sub>1</sub> [mm]	DC .. 0702 .. 10	DC .. 0702 .. 12	DC .. 11T3 .. 12	DC .. 11T3 .. 16
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS2119 (T15IP) 3 Nm	FS2119 (T15IP) 3 Nm
	G 1/8" threaded plug				FS2258 (SW 2)
	Torx key			FS1496 (T15IP)	FS1496 (T15IP)
	M6 threaded plug	FS2288 (SW 3)			
	M8X1 threaded plug		FS2587 (SW 4)	FS2587 (SW 4)	
	Torx key	FS1490 (T7IP)	FS1490 (T7IP)		

Accessories	Type h = h <sub>1</sub> [mm]	DC .. 0702 ..-DC .. 11T3 .. 10-16	DC .. 11T3 .. 12
	M8x1 angle connection		FS2596
	M8x1 connection element		FS2597
	Copper gasket		FS2598

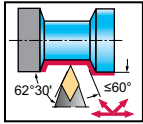
## Shank tool – Screw clamping

SDNC...-P 

Walter Turn



- Precision cooling
- For Swiss Machining



## Tool

	Designation		h = h <sub>1</sub> mm	b mm	f mm	l <sub>1</sub> mm	l <sub>4</sub> mm	γ	λ <sub>s</sub>	T <sub>h</sub>	Type
	★ SDNCN1212J07-P		7	12	6	110	18	0°	0°	M8X1	DC .. 0702 ..
	★ SDNCN1212J11-P		11	12	6	110	24	0°	0°	M8X1	DC .. 11T3 ..
	★ SDNCN1616X11-P		11	16	8	120	24	0°	0°	G1/8"	

Square shank

Measured with master insert: DC .. 070204 / DC .. 11T308 | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalogue for more product information: [www.walter-tools.com](http://www.walter-tools.com) | Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	Type h = h <sub>1</sub> [mm]	DC .. 0702 .. 12	DC .. 11T3 .. 12	DC .. 11T3 .. 16
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,9 Nm	FS2119 (T15IP) 3 Nm	FS2119 (T15IP) 3 Nm
	G 1/8" threaded plug			FS2258 (SW 2)
	M8X1 threaded plug	FS2587 (SW 4)	FS2587 (SW 4)	
	Torx key	FS1490 (T7IP)	FS1465 (T15IP)	FS1465 (T15IP)

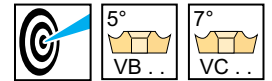
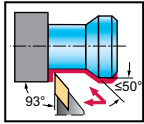
# Shank tool – Screw clamping

SVJB...-P

Walter Turn



– Precision cooling



Tool		Designation		h = h <sub>1</sub> mm	b mm	f mm	l <sub>1</sub> mm	l <sub>4</sub> mm	γ	λ <sub>s</sub>	T <sub>h</sub>	Type
	★	SVJBR2020X16-P	16	20	20	25	110	33,5	0°	0°	G1/8"	VB .. 1604 ..
	★	SVJBR2525X16-P	16	25	25	32	125	33,5	0°	0°	G1/8"	
	★	SVJBL2020X16-P	16	20	20	25	110	33,5	0°	0°	G1/8"	VB .. 1604 ..
	★	SVJBL2525X16-P	16	25	25	32	125	33,5	0°	0°	G1/8"	

Square shank

Dimensional drawing shows right-hand version. | Measured with master insert:VB .. 160408 | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalogue for more product information: [www.walter-tools.com](http://www.walter-tools.com) | Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type h = h <sub>1</sub> [mm]	VB .. 1604 .. 20–25
	Clamping screw for indexable insert Tightening torque		FS2060 (T15IP) 3 Nm
	Shim		AP316-VB1608
	Screw for shim		FS2068 (SW 3,5)
	M6 threaded plug		FS2288 (SW 3)
	G 1/8" threaded plug		FS2258 (SW 2)
	Torx key		FS1465 (T15IP)

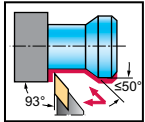
## Shank tool – Screw clamping

SVJB...-S-P 

Walter Turn



- Precision cooling
- For Swiss Machining



## Tool

	Designation	h = h <sub>1</sub> mm	b mm	f mm	l <sub>1</sub> mm	l <sub>4</sub> mm	γ	λ <sub>s</sub>	T <sub>h</sub>	Type
	★ SVJBR1010H11-S-P	11	10	10	100	22	0°	0°	M6	VB .. 1103 ..
	SVJBR1212J11-S-P	11	12	12	110	22	0°	0°	M8X1	
	SVJBR1616X11-S-P	11	16	16	120	22	0°	0°	G1/8"	
	★ SVJBL1010H11-S-P	11	10	10	100	22	0°	0°	M6	VB .. 1103 ..
	SVJBL1212J11-S-P	11	12	12	110	22	0°	0°	M8X1	
	SVJBL1616X11-S-P	11	16	16	120	22	0°	0°	G1/8"	

Square shank

Dimensional drawing shows right-hand version. | Measured with master insert:VB .. 110304 | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalogue for more product information: [www.walter-tools.com](http://www.walter-tools.com) | Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	Type h = h <sub>1</sub> [mm]	VB .. 1103 .. 10	VB .. 1103 .. 12	VB .. 1103 .. 16
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm
	G 1/8" threaded plug			FS2258 (SW 2)
	M8X1 threaded plug		FS2587 (SW 4)	
	M6 threaded plug	FS2288 (SW 3)		
	Torx key	FS1490 (T7IP)	FS1490 (T7IP)	FS1490 (T7IP)

## Accessories

	Type h = h <sub>1</sub> [mm]	VB .. 1103 .. 10-16	VB .. 1103 .. 12
	M8x1 angle connection		FS2596
	M8x1 connection element		FS2597
	Copper gasket		FS2598

## Boring bars – Negative basic shape

Type			
Machining			



Designation	A...-DCLN	A...-PCLN	A...-DDUN	A...-DDXN
Approach angle	95°	95°	93°	93°
Clamping system	Claw	Lever-type	Claw	Claw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d <sub>1</sub> [mm]	25–50	16–40	25–50	32–40
Boring bar Ø d <sub>1</sub> [inch]	0,750–2,000		0,750–2,000	
Insert size l [mm]	9–16	9–16	11–15	11–15

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/A-DCLN">www.walter-tools.com/woc/A-DCLN</a>	<a href="http://www.walter-tools.com/woc/A-PCLN">www.walter-tools.com/woc/A-PCLN</a>	<a href="http://www.walter-tools.com/woc/A-DDUN">www.walter-tools.com/woc/A-DDUN</a>	<a href="http://www.walter-tools.com/woc/A-DDXN">www.walter-tools.com/woc/A-DDXN</a>

Type			
Machining			


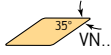

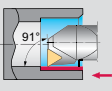
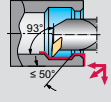
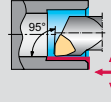


Designation	A...-PDUN	A...-DSKN	A...-PSKN	A...-DTFN
Approach angle	93°	75°	75°	91°
Clamping system	Lever-type	Claw	Lever-type	Claw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d <sub>1</sub> [mm]	25–40	25–40	25–32	25–50
Boring bar Ø d <sub>1</sub> [inch]				0,750–2,000
Insert size l [mm]	11–15	12–15	12	16–22

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/A-PDUN">www.walter-tools.com/woc/A-PDUN</a>	<a href="http://www.walter-tools.com/woc/A-DSKN">www.walter-tools.com/woc/A-DSKN</a>	<a href="http://www.walter-tools.com/woc/A-PSKN">www.walter-tools.com/woc/A-PSKN</a>	<a href="http://www.walter-tools.com/woc/A-DTFN">www.walter-tools.com/woc/A-DTFN</a>

## Boring bars – Negative basic shape

Type			
Machining			



Designation	A...-PTFN	A...-DVUN	A...-DWLN	A...-PWLN
Approach angle	91°	93°	95°	95°
Clamping system	Lever-type	Claw	Claw	Lever-type
Coolant supply	axial	axial	axial	axial
Boring bar Ø d <sub>1</sub> [mm]	16–32	40	25–50	20–32
Boring bar Ø d <sub>1</sub> [inch]		1,250–1,500	1,000–2,000	
Insert size l [mm]	11–16	16	6–10	6–8

Page in catalogue

QR code



A-PTFN



A-DVUN



A-DWLN



A-PWLN

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)



## Boring bars – Positive basic shape

Type	
Machining	



Designation	A...-SCLC	A...-SCLC...-R	E...-SCLC	E...-SCLC...-R
Approach angle	95°	95°	95°	95°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d <sub>1</sub> [mm]	8–32	8–20		8–25
Boring bar Ø d <sub>1</sub> [inch]	0,375–1,250		0,375–1,000	
Insert size l [mm]	6–12	6–9	6–9	6–9

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/A-SCLC">www.walter-tools.com/woc/A-SCLC</a>	<a href="http://www.walter-tools.com/woc/A-SCLC-R">www.walter-tools.com/woc/A-SCLC-R</a>	<a href="http://www.walter-tools.com/woc/E-SCLC">www.walter-tools.com/woc/E-SCLC</a>	<a href="http://www.walter-tools.com/woc/E-SCLC-R">www.walter-tools.com/woc/E-SCLC-R</a>

Type			
Machining			



Designation	A...-SCLP	E...-SCLP	A...-SDUC...-X	A...-SDQC
Approach angle	95°	95°	123°	107,5°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d <sub>1</sub> [mm]			16–32	12–25
Boring bar Ø d <sub>1</sub> [inch]	0,312–1,000	0,375–0,500	1,000–1,250	
Insert size l [mm]	6–9	6	7–11	7–11

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/A-SCLP-E-SCLP">www.walter-tools.com/woc/A-SCLP-E-SCLP</a>	<a href="http://www.walter-tools.com/woc/E-SCLP">www.walter-tools.com/woc/E-SCLP</a>	<a href="http://www.walter-tools.com/woc/A-SDUC-X">www.walter-tools.com/woc/A-SDUC-X</a>	<a href="http://www.walter-tools.com/woc/A-SDQC">www.walter-tools.com/woc/A-SDQC</a>

## Boring bars – Positive basic shape

Type				
Machining				
Designation	A...-SDQC...-R	A...-SDUC...-R	A...-SDJC	A...-SDUC
Approach angle	107,5°	93°	93°	93°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d <sub>1</sub> [mm]	12–20	10–20	16–25	10–32
Boring bar Ø d <sub>1</sub> [inch]				0,375–1,000
Insert size l [mm]	7–11	7–11	7–11	7–11
Page in catalogue				
QR code				
www.walter-tools.com/woc/	A-SDQC-R	A-SDUC-R	A-SDJC	A-SDUC

Type				
Machining				
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	axial	axial	axial	axial
Boring bar Ø d <sub>1</sub> [mm]		10–25	12–25	16–25
Boring bar Ø d <sub>1</sub> [inch]	0,375–1,000			
Insert size l [mm]	7–11	7–11	7–11	9–12
Page in catalogue				
QR code				
www.walter-tools.com/woc/	E-SDUC	E-SDUC-R	A-SDXC	A-SSKC

## Boring bars – Positive basic shape

Type	
Machining	



Designation	A...-STFC	A...-STFC...-R	E...-STFC	E...-STFC...-R
Approach angle	91°	91°	91°	91°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d <sub>1</sub> [mm]	6–32	6–16		6–25
Boring bar Ø d <sub>1</sub> [inch]	0,375–1,250		0,375–1,000	
Insert size l [mm]	6–16	6–11	9–16	6–16

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/A-STFC">www.walter-tools.com/woc/A-STFC</a>	<a href="http://www.walter-tools.com/woc/A-STFC-R">www.walter-tools.com/woc/A-STFC-R</a>	<a href="http://www.walter-tools.com/woc/E-STFC">www.walter-tools.com/woc/E-STFC</a>	<a href="http://www.walter-tools.com/woc/E-STFC-R">www.walter-tools.com/woc/E-STFC-R</a>

Type	
Machining	



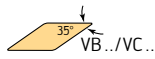
Designation	A...-SVQB	A...-SVQB...-R	A...-SVJB	A...-SVUB
Approach angle	107,5°	107,5°	93°	93°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Boring bar Ø d <sub>1</sub> [mm]	16–40	16–20	16–20	16–40
Boring bar Ø d <sub>1</sub> [inch]				0,625–1,500
Insert size l [mm]	11–16	11	11	11–16

Page in catalogue

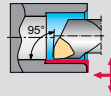
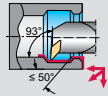
QR code				
	<a href="http://www.walter-tools.com/woc/A-SVQB">www.walter-tools.com/woc/A-SVQB</a>	<a href="http://www.walter-tools.com/woc/A-SVQB-R">www.walter-tools.com/woc/A-SVQB-R</a>	<a href="http://www.walter-tools.com/woc/A-SVJB">www.walter-tools.com/woc/A-SVJB</a>	<a href="http://www.walter-tools.com/woc/A-SVUB">www.walter-tools.com/woc/A-SVUB</a>

## Boring bars – Positive basic shape

Type



Machining



Designation	A...-SVUB...-R	E...-SWLC	A...-SWLC
Approach angle	93°	95°	95°
Clamping system	Screw	Screw	Screw
Coolant supply	axial	axial	axial
Boring bar $\varnothing d_1$ [mm]	16–20		10–32
Boring bar $\varnothing d_1$ [inch]		0,375–0,500	0,375–1,000
Insert size l [mm]	11	4	4–8

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A-SVUB-R

E-SWLC

A-SWLC

## Boring bar adaptor

Type

Machining



Designation

A2140-W

Approach angle

Clamping system

null \_x\_

Coolant supply

axial

Shank size h [mm]

14,2–38,5

Shank size h [Inch]

Insert size l [mm]

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

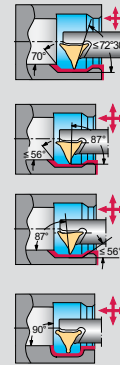
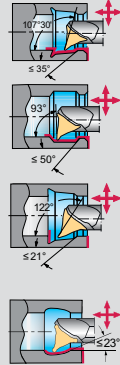
A2140-W

## Boring bars – WL Copy turning system

Type



Machining



Designation	W1211	W1210
Approach angle	107,5°	72,5°
Clamping system	Screw	Screw
Coolant supply	axial	axial
Boring bar Ø d <sub>1</sub> [mm]	12–40	12–40
Boring bar Ø d <sub>1</sub> [inch]	1,000–1,250	
Insert size l [mm]	17–25	17–25

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

W1211

W1210

## Walter Capto™ boring bars – Negative basic shape

Type		
Machining		



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	axial	Internal	axial
Walter Capto™ size	C4–C6	C3–C6	C4–C6	C3–C6
Boring bar $\varnothing d_2$ [mm]	25–40	25–50	25–40	25–50
Insert size l [mm]	12–16	12–16	11–15	11–15

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/C-DCLN">www.walter-tools.com/woc/C-DCLN</a>	<a href="http://www.walter-tools.com/woc/C-PCLN">www.walter-tools.com/woc/C-PCLN</a>	<a href="http://www.walter-tools.com/woc/C-DDUN">www.walter-tools.com/woc/C-DDUN</a>	<a href="http://www.walter-tools.com/woc/C-PDUN">www.walter-tools.com/woc/C-PDUN</a>

Type			
Machining			




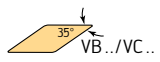
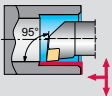
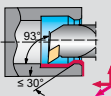
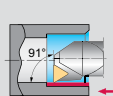
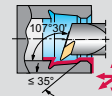


Designation	C...-PSKN	C...-PTFN	C...-DWLN	C...-PWLN
Approach angle	75°	91°	95°	95°
Clamping system	Lever-type	Lever-type	Claw	Lever-type
Coolant supply	axial	axial	Internal	Internal
Walter Capto™ size	C5–C6	C4–C6	C4–C6	C3–C6
Boring bar $\varnothing d_2$ [mm]	40–50	25–50	20–40	20–50
Insert size l [mm]	12–15	16–22	6–10	6–8

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/C-PSKN">www.walter-tools.com/woc/C-PSKN</a>	<a href="http://www.walter-tools.com/woc/C-PTFN">www.walter-tools.com/woc/C-PTFN</a>	<a href="http://www.walter-tools.com/woc/C-DWLN">www.walter-tools.com/woc/C-DWLN</a>	<a href="http://www.walter-tools.com/woc/C-PWLN">www.walter-tools.com/woc/C-PWLN</a>

## Walter Capto™ boring bars – Positive basic shape

Type				
Machining				



Designation	C...-SCLC	C...-SDUC	C...-STFC	C...-SVQB
Approach angle	95°	93°	91°	107,5°
Clamping system	Screw	Screw	Screw	Screw
Coolant supply	axial	axial	axial	axial
Walter Capto™ size	C3–C5	C3–C5	C4–C5	C3–C6
Boring bar Ø d <sub>2</sub> [mm]	16–40	16–40	16–32	16–50
Insert size l [mm]	9–12	7–11	11–16	11–16

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

C-SCLC




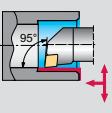
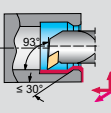
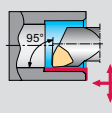






C-SDUC

C-STFC

C-SVQB



## QuadFit exchangeable head – Negative basic shape

Type			
Machining			
			
Designation	Q...-DCLN	Q...-DDUN	Q...-DVLN
Approach angle	95°	93°	95°
Clamping system	Claw	Claw	Claw
Coolant supply	axial	axial	axial
QuadFit size	Q32-Q50	Q32-Q50	Q32-Q50
Insert size l [mm]	12-16	11-15	6-8
Page in catalogue			
QR code			
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	Q-DCLN	Q-DDUN	Q-DVLN

## QuadFit exchangeable head – Positive basic shape

Type					
Machining					
Designation	Q...-SCLC	Q...-SDUC	Q...-SDXC	Q...-SDUC...-X	
Approach angle	95°	93°	62,5°	32°	
Clamping system	Screw	Screw	Screw	Screw	
Coolant supply	axial	axial	axial	axial	
QuadFit size	Q25–Q50	Q25–Q50	Q25–Q50	Q25–Q50	
Insert size l [mm]	9–12	11	11	11	
Page in catalogue					
QR code					
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	Q-SCLC	Q-SDUC	Q-SDXC	Q-SDUC-X

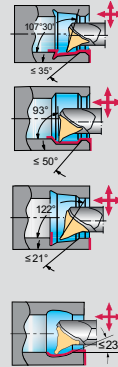
Type			
Machining			
Designation	Q...-STFC	Q...-SVUB	
Approach angle	91°	93°	
Clamping system	Screw	Screw	
Coolant supply	axial	axial	
QuadFit size	Q25–Q50	Q25–Q50	
Insert size l [mm]	11–16	11–16	
Page in catalogue			
QR code			
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	Q-STFC	Q-SVUB

## QuadFit exchangeable head – WL copy turning system

Type



Machining



Designation	W1211-Q...
Approach angle	107,5°
Clamping system	Screw
Coolant supply	Precision cooling
Shank size h [mm]	Q32–Q50
Shank size h [Inch]	
Insert size l [mm]	25
Page in catalogue	

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

W1211-Q

## Vibration-damped boring bar adaptor



Cylinder shaft adaptor –  
vibration damped



Cylinder shaft adaptor –  
vibration damped



Walter Capto™ Adaptor –  
vibration damped



Walter Capto™ Adaptor –  
vibration damped

Designation	A3000	A3001	A3000-C	A3001-C
Machine-side	Parallel shank with clamping surface	Cylindrical shank	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623
Tool-side	Q25 - Q50	QL60 - QL100	Q25 - Q50	QL60 - QL80

Page in catalogue

QR code



A3000



A3001



A3000-C



A3001-C

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)



HSK-T adaptor – vibration  
damped



HSK-T adaptor – vibration  
damped

Designation	A3000-HSK-T	A3001-HSK-T
Machine-side	HSK DIN 69893-7	HSK DIN 69893-7
Tool-side	Q25 - Q50	QL60 - QL80

Page in catalogue

QR code



A3000-HSK-T



A3001-HSK-T

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

## Boring bar adaptor – QuadFit



Cylindrical shank - QuadFit

Designation	A2100
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Machine-side Parallel shank with clamping surface

Tool-side	Q40 - QL60
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Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A2100

## Intermediate adaptors – QuadFit Large



QuadFit Large Intermediate adaptors

Designation	A2201
Machine-side	QuadFit
Tool-side	Q50

Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A2201











# Cutting inserts

System	MX				
Machining	Low feed		Medium feed		
	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>
Geometry	GD8	VG8	CF5	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]	0,5–3,25	2,8	0,8–5,56	1,57–5,0	
a <sub>p</sub> [mm]					
f [mm]	0,02–0,15	0,05–0,12	0,02–0,28	0,04–0,25	
Page in catalogue	102	105	103	106	106
QR code					
www.walter-tools.com/woc/	GD8	VG8	CF5	RF5	A60











System	MX			DX	
Machining	Low feed				
	<b>NEW</b>			<b>Selection</b>	<b>NEW</b>
Geometry	AG60	ISO	..X..N	CK8	CF6
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]			3,35–5,65	1,5–4,0	1,0–3,0
a <sub>p</sub> [mm]					
f [mm]				0,04–0,22	0,03–0,23
Page in catalogue	106			107	107
QR code					
www.walter-tools.com/woc/	AG60	ISO	-X..N	CK8	CF6

**WALTER SELECT** ●● Primary application ● Other application

## Cutting inserts

System	DX				
Machining	Low feed				Medium feed
	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>
					
Geometry	GD8	GD3	UF8	UF7	CF5
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●	●	●	●	●
N NF metals	●●	●	●●	●	●●
S Materials with difficult cutting properties	●●	●	●●	●●	●●
H Hard materials					
O Other		●			●
Insert width s [mm]	1,0-1,4	2,0-4,0	1,6-4,25	2,0-4,0	1,0-3,0
a <sub>p</sub> [mm]			0,3-2,2	0,3-2,2	
f [mm]	0,05-0,10	0,04-0,23	0,05-0,30	0,05-0,30	0,03-0,23
Page in catalogue	108	109	109	109	107
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	GD8	GD3	UF8	UF7	CF5











System	DX				
Machining	Medium feed				High feed
	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>
					
Geometry	GD6	UF4	RF8	RF7	CE4
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●
K Cast iron	●	●●	●	●	●●
N NF metals	●	●	●	●	●
S Materials with difficult cutting properties	●●	●	●●	●●	●
H Hard materials					●
O Other					
Insert width s [mm]	2,0-4,0	2,0-4,0	3,0	2,0-4,0	1,2-3,0
a <sub>p</sub> [mm]		0,3-2,8	0,1-1,0	0,1-2,0	
f [mm]	0,04-0,25	0,10-0,33	0,08-0,26	0,08-0,48	0,03-0,33
Page in catalogue	108	110	111	111	108
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	GD6	UF4	RF8	RF7	CE4











WALTER SELECT

●● Primary application ● Other application













# Cutting inserts











System	DX			GX	
Machining	High feed			Low feed	
	<b>Selection</b>	<b>Selection</b>	<b>NEW</b>		
					
Geometry	UD4	UA4	RD4	CK8	CF6
P Steel	●●		●●		●●
M Stainless steel	●		●	●	●●
K Cast iron	●●	●●	●●		
N NF metals				●●	●●
S Materials with difficult cutting properties			●	●	●●
H Hard materials		●			
O Other					●
Insert width s [mm]	2,0–4,0	2,0–4,0	2,0–3,0	2,0–4,0	1,5–3,0
a <sub>p</sub> [mm]	0,3–2,8	0,3–2,8	0,2–1,5		
f [mm]	0,10–0,33	0,08–0,38	0,08–0,38	0,04–0,22	0,03–0,23
Page in catalogue	110	110	111		
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	UD4	UA4	RD4	CK8	CF6

System	GX				
Machining	Low feed				
	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>		
					
Geometry	GD8	GD3	UF8	VG7	RK8
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]	1,0–1,4	2,0–6,0	1,6–6,0	2,8	6,0
a <sub>p</sub> [mm]			0,3–3,2	0,2–2,5	0,1–4,0
f [mm]	0,05–0,10	0,04–0,28	0,05–0,35	0,05–0,25	0,10–0,60
Page in catalogue	113	112	113		
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	GD8	GD3	UF8	VG7	RK8

**WALTER SELECT** ●● Primary application ● Other application

## Cutting inserts

System	GX				
Machining	Low feed		Medium feed		
			<b>NEW</b> 	<b>NEW</b> 	
Geometry	TM-1	EM-1	CF5	GD6	UD6
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]	3,0–6,0	3,0–6,0	2,0–5,0	2,0–6,0	2,0–6,0
a <sub>p</sub> [mm]	0,05–3,0	0,05–3,0			0,3–3,5
f [mm]	0,02–0,15	0,10–0,30	0,03–0,25	0,04–0,30	0,06–0,35
Page in catalogue			112	112	
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	TM-1	EM-1	CF5	GD6	UD6

System	GX				
Machining	Medium feed				
	<b>NEW</b> 	<b>NEW</b> 			
Geometry	UF4	RF8	RF7	FS-M1	FS-F1
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	2,0–8,0	3,0–5,0	2,0–6,0	2,0–6,0
a <sub>p</sub> [mm]	0,3–4,0	0,1–4,0	0,1–2,5	0,1–3,0	
f [mm]	0,10–0,55	0,05–0,60	0,10–0,53	0,05–0,50	0,04–0,28
Page in catalogue	113	114			
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	UF4	RF8	RF7	FS-M1	FS-F1

WALTER SELECT

●● Primary application ● Other application






# Cutting inserts

System	GX				
Machining	Medium feed	High feed			
		<b>NEW</b> 			
Geometry	AF5	CE4	UD4	UA4	RD4
P Steel	●●	●●	●●		●●
M Stainless steel	●●	●	●		●
K Cast iron	●	●●	●●	●●	●●
N NF metals	●	●			
S Materials with difficult cutting properties	●	●			●
H Hard materials		●		●	
O Other					
Insert width s [mm]	5,0	2,0-6,0	2,0-8,0	2,0-6,0	2,0-8,0
a <sub>p</sub> [mm]	0,5		0,3-4,0	0,3-3,5	0,2-4,0
f [mm]	0,15-0,30	0,04-0,40	0,10-0,40	0,08-0,40	0,08-0,80
Page in catalogue		112			
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	AF5	CE4	UD4	UA4	RD4

System	GX	SX			
Machining		Low feed			Medium feed
		<b>Selection</b> 	<b>NEW</b> 	<b>Selection</b> 	<b>NEW</b> 
Geometry	.X..N	CK8	CF6	SK8	CF5
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●	●●		●●
K Cast iron	●●	●●	●●	●●	●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●	●●	●	●●
H Hard materials	●●				
O Other	●		●		●
Insert width s [mm]	4,8-10,3	2,0-5,0	2,0-3,0	1,5-5,0	1,5-6,0
a <sub>p</sub> [mm]					
f [mm]		0,04-0,25	0,03-0,23	0,03-0,25	0,03-0,30
Page in catalogue		115	115	116	115
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	-X..N	CK8	CF6	SK8	CF5

**WALTER SELECT** ●● Primary application ● Other application

## Cutting inserts

System	SX			UX	WT
Machining	Medium feed		High feed		Low feed
	<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 		<b>NEW</b> 
Geometry	UF4	SF5	CE4	GD2	CD8
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●	●●	●●
<b>K</b> Cast iron	●●	●	●●	●●	●
<b>N</b> NF metals	●	●●	●	●●	●●
<b>S</b> Materials with difficult cutting properties	●	●●	●	●●	●●
<b>H</b> Hard materials			●		
<b>O</b> Other		●			
Insert width s [mm]	8,0	1,5–5,0	1,5–10,0	12,0–19,0	0,7–2,0
a <sub>p</sub> [mm]	0,9–4,0				
f [mm]	0,18–0,55	0,03–0,25	0,03–0,60	0,20–0,60	0,02–0,14
Page in catalogue	116	116	115		117

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)






UF4

SF5

CE4

GD2

CD8

System	WT				
Machining	Low feed				
	<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 	<b>NEW</b> 
Geometry	GD8	DG8	UA8	VG8	RA8
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●	●	●	●	●
<b>N</b> NF metals	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●
<b>H</b> Hard materials					
<b>O</b> Other					
Insert width s [mm]	0,5–2,5	3,0	1,0–2,5	3,0	1,25–1,6
a <sub>p</sub> [mm]		0,1–4,0	0,1–3,0	0,1–4,0	
f [mm]	0,02–0,16	0,02–0,16	0,02–0,16	0,02–0,16	0,02–0,14
Page in catalogue	118	119	119	120	120

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

GD8

DG8

UA8




VG8

RA8

**WALTER SELECT**

●● Primary application ● Other application

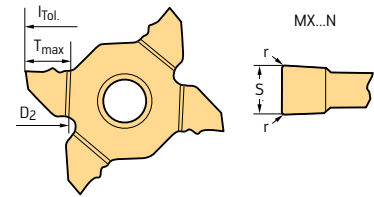
# Cutting inserts

System	WT
Machining	
	 
Geometry	.X..N
<b>P</b> Steel	●●
<b>M</b> Stainless steel	●●
<b>K</b> Cast iron	●●
<b>N</b> NF metals	●●
<b>S</b> Materials with difficult cutting properties	●●
<b>H</b> Hard materials	●●
<b>O</b> Other	●
Insert width s [mm]	3,0
$a_p$ [mm]	
f [mm]	
Page in catalogue	121
QR code	
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	-X-N

## Grooving and parting off – cutting inserts

MX

Tiger-tec® Gold



## Cutting inserts

Designation	s mm	r mm	T <sub>max</sub> mm	D <sub>2</sub> mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P		M		S	
								HC		HC		HC	
								WSM23G	WSM33G	WSM23G	WSM33G	WSM23G	WSM33G
MX22-2E050N01-GD8	0,5	0,1	2,5		0,02-0,04	±0,02	±0,03	☺	☺	☺	☺	☺	☺
MX22-2E100N01-GD8	1	0,1	3,5	130	0,03-0,06	±0,02	±0,03	☺	☺	☺	☺	☺	☺
MX22-2E150N01-GD8	1,5	0,1	5	130	0,03-0,09	±0,02	±0,03	☺	☺	☺	☺	☺	☺
MX22-2E170N02-GD8	1,7	0,2	3		0,03-0,10	±0,02	±0,03	☺	☺	☺	☺	☺	☺
MX22-2E200N02-GD8	2	0,2	6	100	0,04-0,10	±0,02	±0,03	☺	☺	☺	☺	☺	☺
MX22-2E224N02-GD8	2,24	0,2	6	100	0,04-0,12	±0,02	±0,03	☺	☺	☺	☺	☺	☺
MX22-2E300N02-GD8	3	0,2	6	100	0,04-0,14	±0,02	±0,03	☺	☺	☺	☺	☺	☺
MX22-2E318N02-GD8	3,18	0,2	6	100	0,04-0,14	±0,02	±0,03	☺	☺	☺	☺	☺	☺
MX22-2E325N02-GD8	3,25	0,2	6	100	0,04-0,15	±0,02	±0,03	☺	☺	☺	☺	☺	☺

 l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch

 Radius tolerance r<sub>Tol</sub> = ±0.05 mm

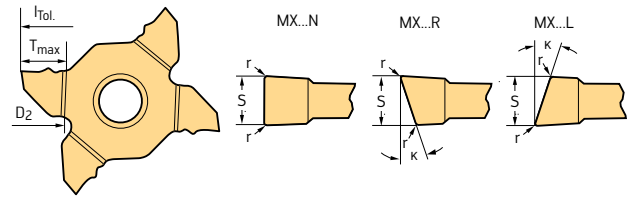
Ordering example for the grade WSM23G: MX22-2E050N01-GD8 WSM23G

HC = Coated carbide

# Grooving and parting off – cutting inserts




## MX

### Tiger-tec® Gold



A2

### Cutting inserts

Designation	s mm	r mm	κ	T <sub>max</sub> mm	D <sub>2</sub> mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P			M			S			
									HC			HC			HC			
									WSM13G	WSM23G	WSM33G	WSM13G	WSM23G	WSM33G	WSM13G	WSM23G	WSM33G	
 MX22-2E080N01-CF5	0,8	0,1		1,6	130	0,02–0,05	±0,02	±0,03										
MX22-2E100N01-CF5	1	0,1		3,5	130	0,03–0,07	±0,02	±0,03	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
MX22-2E104N01-CF5	1,04	0,1		2		0,03–0,07	±0,02	±0,03										
MX22-2E120N01-CF5	1,2	0,1		2		0,03–0,08	±0,02	±0,03										
MX22-2E140N01-CF5	1,4	0,1		2		0,03–0,09	±0,02	±0,03										
MX22-2E147N01-CF5	1,47	0,1		2,5		0,03–0,09	±0,02	±0,03										
MX22-2E150N01-CF5	1,5	0,1		5	130	0,03–0,10	±0,02	±0,03	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
MX22-2E157N02-CF5	1,57	0,2		3		0,04–0,12	±0,02	±0,03										
MX22-2E170N02-CF5	1,7	0,2		3		0,04–0,12	±0,02	±0,03										
MX22-2E185N02-CF5	1,85	0,2		3		0,04–0,12	±0,02	±0,03										
MX22-2E196N02-CF5	1,96	0,2		3		0,04–0,12	±0,02	±0,03										
MX22-2E200N02-CF5	2	0,2		6	100	0,04–0,14	±0,02	±0,03	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
MX22-2E224N02-CF5	2,24	0,2		6	100	0,04–0,16	±0,02	±0,03										
MX22-2E239N02-CF5	2,39	0,2		6	100	0,04–0,16	±0,02	±0,03										
MX22-2E250N02-CF5	2,5	0,2		6	100	0,04–0,16	±0,02	±0,03										
MX22-2E275N02-CF5	2,75	0,2		6	100	0,04–0,16	±0,02	±0,03										
MX22-2E300N02-CF5	3	0,2		6	100	0,04–0,16	±0,02	±0,03	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
MX22-2E318N02-CF5	3,18	0,2		6	100	0,04–0,16	±0,02	±0,03										
MX22-2E325N02-CF5	3,25	0,2		6	100	0,04–0,16	±0,02	±0,03										
MX22-4E400N02-CF5	4	0,2		6	100	0,10–0,20	±0,02	±0,03										
MX22-4E400N04-CF5	4	0,4		6	100	0,10–0,20	±0,02	±0,03										
MX22-4E425N02-CF5	4,25	0,2		6	100	0,10–0,20	±0,02	±0,03										
MX22-4E480N06-CF5	4,8	0,6		6	100	0,10–0,25	±0,02	±0,03										
MX22-4E500N02-CF5	5	0,2		6	100	0,10–0,25	±0,02	±0,03										
MX22-4E500N04-CF5	5	0,4		6	100	0,10–0,25	±0,02	±0,03										
 MX22-2E100R10-CF5	1	0,05	10	3,5	130	0,02–0,04	±0,02	±0,03										
MX22-2E150R10-CF5	1,5	0,05	10	5	130	0,03–0,06	±0,02	±0,03										
MX22-2E200R6-CF5	2	0,1	6	6	100	0,04–0,12	±0,02	±0,03										
 MX22-2E080L5-CF5	0,8	0,05	5	1,6	130	0,02–0,04	±0,02	±0,03										
MX22-2E100L10-CF5	1	0,05	10	3,5	130	0,02–0,04	±0,02	±0,03										
MX22-2E150L10-CF5	1,5	0,05	10	5	130	0,03–0,06	±0,02	±0,03										
MX22-2E200L6-CF5	2	0,1	6	6	100	0,04–0,12	±0,02	±0,03										

Ordering example for the grade WSM23G: MX22-2E080N01-CF5 WSM23G

HC = Coated carbide

WALTER SELECT

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

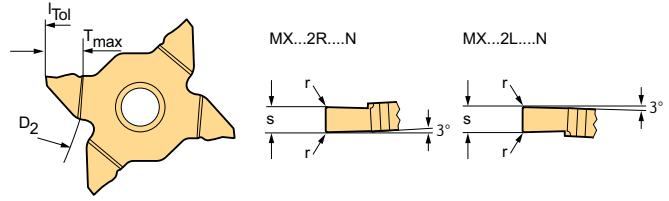
☺ ☹ ☹ / \* = New addition to the product range

A2



## Grooving and parting off 3° – cutting inserts

MX

Tiger-tec® Gold



## Cutting inserts

Designation	s mm	r mm	T <sub>max</sub> mm	D <sub>2</sub> mm	f mm	S <sub>Tol</sub> mm	h <sub>Tol</sub> mm	P	M	S
								HC	HC	HC
								WSM23G	WSM23G	WSM23G
 MX22-2R150N01-GD8 MX22-2R200N02-GD8 MX22-2R300N02-GD8	1,5	0,1	5	130	0,03–0,06	±0,02	±0,03	☹	☹	☹
	2	0,2	5	100	0,04–0,10	±0,02	±0,03	☹	☹	☹
	3	0,2	5	100	0,05–0,14	±0,02	±0,03	☹	☹	☹
 MX22-2L150N01-GD8 MX22-2L200N02-GD8 MX22-2L300N02-GD8	1,5	0,1	5	130	0,03–0,06	±0,02	±0,03	☹	☹	☹
	2	0,2	5	100	0,04–0,10	±0,02	±0,03	☹	☹	☹
	3	0,2	5	100	0,04–0,14	±0,02	±0,03	☹	☹	☹

h<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm

When using the cutting insert MX22-2R... tool G3051...R must be used

When using cutting insert MX22-2L... tool G3051...L must be used

Ordering example for the grade WSM23G: MX22-2R150N01-GD8 WSM23G

HC = Coated carbide

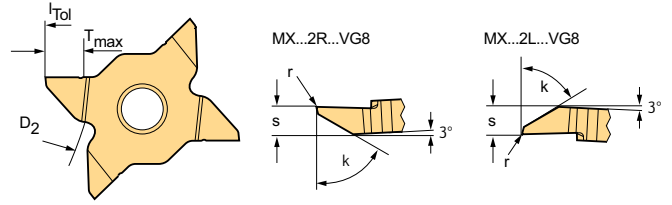


# Grooving and recessing 3° – Cutting inserts



MX

Tiger-tec® Gold

A2



## Cutting inserts

Designation	s mm	r mm	κ	T <sub>max</sub> mm	D <sub>2</sub> mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P	M	S
									HC	HC	HC
 MX22-2R280R01-VG8	2.8	0.05	60	5.5	100	0.05–0.12	±0.02	±0.03	WSM23G HC	WSM23G HC	WSM23G HC
 MX22-2L280L01-VG8	2.8	0.05	60	5.5	100	0.05–0.12	±0.02	±0.03	WSM23G HC	WSM23G HC	WSM23G HC

l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM23G: MX22-2R280R01-VG8 WSM23G

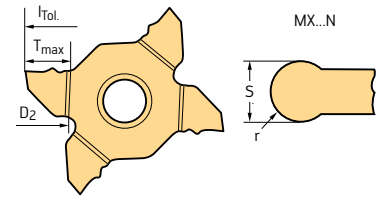
HC = Coated carbide

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


## Grooving and copy turning – cutting inserts

MX

Tiger-tec® Gold



## Cutting inserts

Designation	s mm	r mm	T <sub>max</sub> mm	D <sub>2</sub> mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P		M		S	
								HC		HC		HC	
								WSM23G	WSM13G	WSM23G	WSM13G	WSM23G	WSM13G
 MX22-2E157N08-RF5	1,57	0,79	3	130	0,04–0,12	±0,02	±0,03	⊕	⊕	⊕	⊕	⊕	⊕
MX22-2E200N10-RF5	2	1	6	100	0,04–0,14	±0,02	±0,03	⊕	⊕	⊕	⊕	⊕	⊕
MX22-2E239N12-RF5	2,39	1,2	6	100	0,04–0,18	±0,02	±0,03	⊕	⊕	⊕	⊕	⊕	⊕
MX22-2E300N15-RF5	3	1,5	6	100	0,04–0,20	±0,02	±0,03	⊕	⊕	⊕	⊕	⊕	⊕
MX22-2E318N16-RF5	3,18	1,59	6	100	0,04–0,20	±0,02	±0,03	⊕	⊕	⊕	⊕	⊕	⊕
MX22-4E400N20-RF5	4	2	6	100	0,06–0,22	±0,02	±0,03	⊕	⊕	⊕	⊕	⊕	⊕
MX22-4E500N25-RF5	5	2,5	6	100	0,06–0,25	±0,02	±0,03	⊕	⊕	⊕	⊕	⊕	⊕

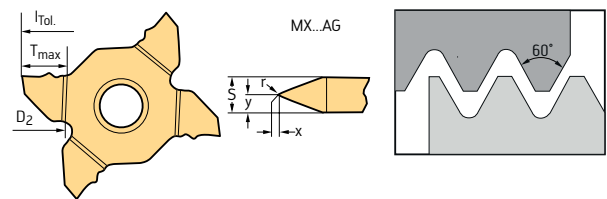
l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM23G: MX22-2E157N08-RF5 WSM23G

HC = Coated carbide


## External thread – 60° partial profile – cutting inserts

MX

Tiger-tec® Gold



## Indexable inserts

Designation	P mm	Pitch (P) in	s mm	r mm	X mm	Y mm	P		M		S	
							HC		HC		HC	
							WSM23G	WSM33G	WSM23G	WSM33G	WSM23G	WSM33G
 MX22-2E-EN-A60	0,5–1,5	48–16	3,35	0,05	0,05	1,68	⊕	⊕	⊕	⊕	⊕	⊕
MX22-4E-EN-AG60	0,5–3	48–8	5,65	0,08	0,08	2,83	⊕	⊕	⊕	⊕	⊕	⊕

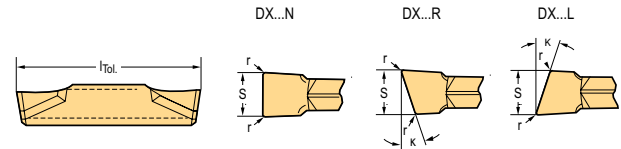
l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM23G: MX22-2E-EN-A60 WSM23G

HC = Coated carbide

# Grooving and parting off – cutting inserts

## DX

### Tiger-tec® Gold



A2

## Cutting inserts

Designation	s mm	r mm	κ	l mm	f mm	S <sub>Tol</sub> mm	h <sub>Tol</sub> mm	P				M				K		N		S		
								HC				HC				HC		HF		HC		
								WSM13G	WKP23S	WSM23G	WSM33G	WSM43G	WSM13G	WSM23G	WSM33G	WSM43G	WKP23S	WN13	WSM13G	WSM23G	WSM33G	WSM43G
DX18-1E150N01-CK8	1.5	0.15		18	0.04–0.10	±0.02	±0.15											☉				
DX18-2E200N02-CK8	2	0.2		18	0.04–0.12	±0.02	±0.15											☉				
DX18-3E300N02-CK8	3	0.2		18	0.08–0.20	±0.02	±0.15											☉				
DX18-4E400N02-CK8	4	0.2		18	0.10–0.22	±0.02	±0.15											☉				
DX18-2E200R7-CK8	2	0	7	18	0.04–0.10	±0.02	±0.15											☉				
DX18-2E200L7-CK8	2	0	7	18	0.04–0.10	±0.02	±0.15											☉				
DX18-1E100N01-CF6	1	0.1		18	0.03–0.10	±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				☹	☹										☹
DX18-1E150R10-CF6	1.5	0	10	18	0.03–0.12	±0.05	±0.15				☹											☹
DX18-2E200R6-CF6	2	0.2	6	18	0.03–0.14	±0.05	±0.15				☹	☹										☹
DX18-2E250R6-CF6	2.5	0.2	6	18	0.03–0.18	±0.05	±0.15				☹											☹
DX18-3E300R6-CF6	3	0.2	6	18	0.04–0.23	±0.05	±0.15				☹											☹
DX18-2E200R15-CF6	2	0	15	18.3	0.03–0.14	±0.05	±0.15				☹											☹
DX18-3E300R15-CF6	3	0	15	18.8	0.04–0.23	±0.05	±0.15				☹											☹
DX18-1E150L10-CF6	1.5	0	10	18	0.03–0.12	±0.05	±0.15				☹											☹
DX18-2E200L6-CF6	2	0.2	6	18	0.03–0.14	±0.05	±0.15				☹	☹										☹
DX18-2E250L6-CF6	2.5	0.2	6	18	0.03–0.18	±0.05	±0.15				☹											☹
DX18-3E300L6-CF6	3	0.2	6	18	0.04–0.23	±0.05	±0.15				☹											☹
DX18-2E200L15-CF6	2	0	15	18.3	0.03–0.14	±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	☹	☹		☹	☹							☹	☹		☹
DX18-1E150R10-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				☹											☹

h<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WN13: DX18-1E150N01-CK8 WN13

HC = Coated carbide  
 HF = Uncoated fine-grained carbide

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

☹ ☹ ☹ / \* = New addition to the product range

## Grooving and parting off – cutting inserts

DX

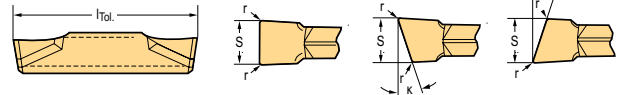
Tiger-tec® Gold

A2

DX...N

DX...R

DX...L



## Cutting inserts

Designation	s mm	r mm	κ	l mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P				M				K	N	S		
								WSM13G	WKP23S	WSM23G	WSM33G	WSM43G	WSM13G	WSM23G	WSM33G	WSM43G	WKP23S	WN13	WSM13G	WSM23G
	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												
	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												
	DX18-2E200R6-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												
	DX18-2E100R00-GD8	1	0		18	0.05-0.10	±0.05	±0.15												
	DX18-2E120R00-GD8	1.2	0		18	0.05-0.10	±0.05	±0.15												
	DX18-2E140R00-GD8	1.4	0.2		18	0.05-0.10	±0.05	±0.15												
	DX18-2E100L00-GD8	1	0		18	0.05-0.10	±0.05	±0.15												
	DX18-2E120L00-GD8	1.2	0		18	0.05-0.10	±0.05	±0.15												
	DX18-2E140L00-GD8	1.4	0		18	0.05-0.10	±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<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WN13: DX18-1E150N01-CK8 WN13

HC = Coated carbide  
 HF = Uncoated fine-grained carbide

## Grooving and parting off – cutting inserts

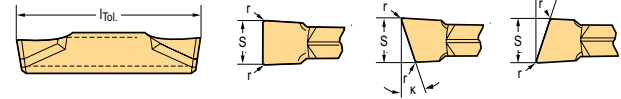
DX

Tiger-tec® Gold


DX...N

DX...R

DX...L



### Cutting inserts

Designation	s mm	r mm	k	l mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P				M				K		N		S			
								HC				HC				HC		HF		HC			
								WSM13G	WKP23S	WSM23G	WSM33G	WSM43G	WSM13G	WSM23G	WSM33G	WSM43G	WKP23S	WN13	WSM13G	WSM23G	WSM33G	WSM43G	
 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	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺

l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WN13: DX18-1E150N01-CK8 WN13

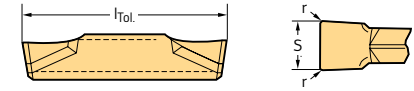
HC = Coated carbide  
 HF = Uncoated fine-grained carbide

## Grooving and recessing – cutting inserts



DX

Tiger-tec® Gold

DX...N



### Cutting inserts

Designation	s mm	r mm	l mm	f mm	a <sub>p</sub> mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P				M				K			S				
								HC				HC				HC			HC				
								WKP23S	WSM23G	WSM33G	WSM43G	WSM13G	WSM23G	WSM33G	WSM43G	WKP13S	WKP23S	WKP33S	WSM33G	WSM13G	WSM23G	WSM33G	WSM43G
 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	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
DX18-2E200N02-UF8	2	0.2	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	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
DX18-3E300N02-UF8	3	0.2	18	0.07-0.24	0.4-1.5	±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-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	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺

l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM23G: DX18-1E160N01-UF8 WSM23G

HC = Coated carbide

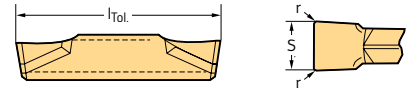
**WALTER SELECT** Optimum indexable insert for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

☺ ☹ ☹ / \* = New addition to the product range

# Grooving and recessing – cutting inserts

**DX**
**Tiger-tec® Gold**

DX...N



## Cutting inserts

Designation	s mm	r mm	l mm	f mm	a <sub>p</sub> mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P				M				K				S				
								WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC					
DX18-2E200N02-UF4 DX18-2E239N02-UF4 DX18-2E250N02-UF4 DX18-3E300N03-UF4 DX18-4E400N02-UF4 DX18-4E400N04-UF4 DX18-4E400N08-UF4	2	0.2	18	0.10-0.18	0.3-1.2	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	2.39	0.2	18	0.10-0.15	0.3-0.0	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	2.5	0.2	18	0.10-0.21	0.3-1.3	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	3	0.3	18	0.10-0.23	0.4-2.0	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	4	0.2	18.5	0.10-0.33	0.3-2.8	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	4	0.4	18.5	0.10-0.33	0.5-2.8	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	4	0.8	18.5	0.10-0.33	0.9-2.8	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
DX18-4F400N04-UF4	4	0.4	18.5	0.10-0.33	0.5-2.8	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	DX18-2E200N02-UD4 DX18-3E300N03-UD4 DX18-4E400N04-UD4 DX18-4E400N08-UD4	2	0.2	18	0.10-0.18	0.3-1.2	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC
		3	0.3	18	0.10-0.23	0.4-2.0	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC
		4	0.4	18.5	0.10-0.33	0.5-2.8	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC
4		0.8	18.5	0.10-0.33	0.9-2.8	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
DX18-2E200N02-UA4 DX18-3E300N03-UA4 DX18-4E400N04-UA4 DX18-4E400N08-UA4	2	0.2	18	0.08-0.18	0.3-1.2	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	3	0.3	18	0.10-0.25	0.4-2.0	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	4	0.4	18.5	0.10-0.38	0.5-2.8	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	
	4	0.8	18.5	0.10-0.38	0.9-2.8	±0.05	±0.15	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	

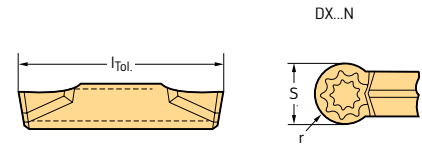
l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM23G: DX18-1E160N01-UF8 WSM23G

HC = Coated carbide




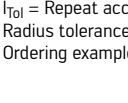
# Grooving and copy turning – cutting inserts

DX

**Tiger-tec® Gold**



## Cutting inserts

Designation	s mm	r mm	l mm	f mm	a <sub>p</sub> mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P				M		K	S			
								HC				HC		HC	HC			
								WSM13G	WKP23S	WSM23G	WSM33G	WSM13G	WSM23G	WSM33G	WKP23S	WSM13G	WSM23G	WSM33G
 DX18-3E300N15-RF8	3	1.5	18	0.08–0.26	0.1–1.0	±0.02	±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	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 DX18-2E200N10-RD4	2	1	18.3	0.08–0.28	0.2–1.0	±0.05	±0.15	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
DX18-2E239N12-RD4	2.39	1.2	18.3	0.08–0.25	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<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM13G: DX18-3E300N15-RF8 WSM13G

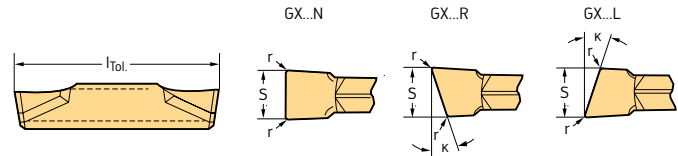
HC = Coated carbide

## Grooving and parting off – cutting inserts









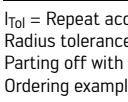

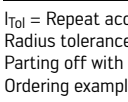
GX

Tiger-tec® Gold

A2



## Cutting inserts

Designation	s mm	r mm	k	l mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P		M		K		S	
								HC	HC	HC	HC	HC	HC		
								WKP23S	WSM33G	WSM43G	WSM33G	WSM43G	WKP23S	WSM33G	WSM43G
 GX34-2E300N03-CF5  GX34-3E400N04-CF5	3	0.3		34	0.08–0.20	±0.05	±0.15	☺	☺	☺	☺	☺	☺	☺	☺
	4	0.4		34	0.10–0.22	±0.05	±0.15	☺	☺	☺	☺	☺	☺	☺	☺
 GX34-2E300R6-CF5	3	0.3	6	34	0.04–0.16	±0.05	±0.15	☺	☺	☺	☺	☺	☺	☺	☺
 GX34-2E300L6-CF5	3	0.3	6	34	0.04–0.16	±0.05	±0.15	☺	☺	☺	☺	☺	☺	☺	☺
 GX34-2E300N03-CE4	3	0.3		34	0.09–0.30	±0.05	±0.15	☹	☺	☺	☺	☺	☹	☺	☺
 GX34-2E300L6-CE4	3	0.3	6	34	0.09–0.24	±0.05	±0.15	☺	☺	☺	☺	☺	☺	☺	☺
 GX09-1E200N02-GD3  GX09-1E250N02-GD3  GX09-2E300N03-GD3	2	0.2		9	0.04–0.12	±0.02	±0.02	☹	☺	☺	☺	☺	☺	☺	☺
	2.5	0.2		9	0.04–0.14	±0.02	±0.02	☺	☺	☺	☺	☺	☺	☺	☺
	3	0.3		9	0.06–0.18	±0.02	±0.02	☹	☺	☺	☺	☺	☺	☺	☺
 GX34-2E300N03-GD6  GX34-3E400N04-GD6	3	0.3		34	0.08–0.20	±0.05	±0.15	☺	☺	☺	☺	☺	☺	☺	☺
	4	0.4		34	0.10–0.22	±0.05	±0.15	☺	☺	☺	☺	☺	☺	☺	☺

 l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm

Parting off with diameters up to 32 mm is possible with GX16 inserts (l = 16.6 mm)

Ordering example for the grade WSM33G: GX34-2E300N03-CF5 WSM33G

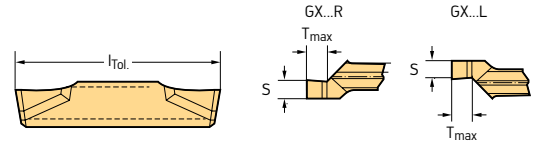
HC = Coated carbide



## Grooving and parting off – cutting inserts

GX

Tiger-tec® Gold



### Cutting inserts

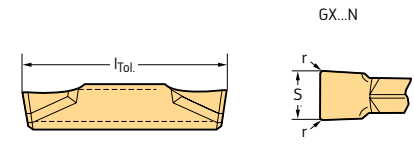
Designation	s mm	r mm	T <sub>max</sub> mm	l mm	f mm	S <sub>Tol</sub> mm	h <sub>Tol</sub> mm	Material			
								P	M	S	
								WSM23G	WSM23G	WSM23G	
	GX09-1E100R00-GD8	1	0	1,14	9	0,05–0,10	±0,02	±0,02	☺	☺	☺
	GX09-1E120R00-GD8	1,2	0	1,34	9	0,05–0,10	±0,02	±0,02	☺	☺	☺
	GX09-1E140R00-GD8	1,4	0	1,53	9	0,05–0,10	±0,02	±0,02	☺	☺	☺
	GX09-1E100L00-GD8	1	0	1,14	9	0,05–0,10	±0,02	±0,02	☺	☺	☺
	GX09-1E120L00-GD8	1,2	0	1,34	9	0,05–0,10	±0,02	±0,02	☺	☺	☺
	GX09-1E140L00-GD8	1,4	0	1,53	9	0,05–0,10	±0,02	±0,02	☺	☺	☺

h<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM23G: GX09-1E100R00-GD8 WSM23G  
 HC = Coated carbide

## Grooving and recessing – cutting inserts

GX

Tiger-tec® Gold



### Cutting inserts

Designation	s mm	r mm	l mm	f mm	a <sub>p</sub> mm	S <sub>Tol</sub> mm	h <sub>Tol</sub> mm	P			M			S			
								WSM23G	WSM33G	WSM43G	WSM23G	WSM33G	WSM43G	WSM23G	WSM33G	WSM43G	
	GX09-0E170N01-UF8	1,7	0,1	9	0,05–0,15	0,3–0,8	±0,02	±0,03	☺	☺	☺	☺	☺	☺	☺	☺	☺
	GX09-0E196N01-UF8	1,96	0,1	9	0,05–0,15	0,3–0,8	±0,02	±0,03	☺	☺	☺	☺	☺	☺	☺	☺	☺
	GX09-1E225N01-UF8	2,25	0,1	9	0,05–0,20	0,3–1,0	±0,02	±0,03	☺	☺	☺	☺	☺	☺	☺	☺	☺
	GX09-1E275N01-UF8	2,75	0,1	9	0,05–0,22	0,3–1,3	±0,02	±0,03	☺	☺	☺	☺	☺	☺	☺	☺	☺
	GX09-2E325N01-UF8	3,25	0,1	9	0,07–0,24	0,4–1,5	±0,02	±0,03	☺	☺	☺	☺	☺	☺	☺	☺	☺
	GX09-1E200N02-UF4	2	0,2	9	0,10–0,15	0,3–1,0	±0,05	±0,15	☺	☺	☺	☺	☺	☺	☺	☺	☺
	GX09-2E300N03-UF4	3	0,3	9	0,10–0,20	0,4–1,5	±0,05	±0,15	☺	☺	☺	☺	☺	☺	☺	☺	☺

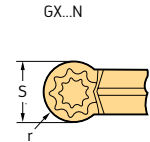
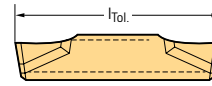
h<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM23G: GX09-0E170N01-UF8 WSM23G  
 HC = Coated carbide

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


Grooving and copy turning – cutting inserts

GX

**Tiger-tec® Gold**



Cutting inserts

Designation	s mm	r mm	l mm	f mm	a <sub>p</sub> mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P	M	S
								WSM23G	WSM23G	WSM23G
 GX09-1E200N10-RF8 GX09-1E239N12-RF8	2	1	9	0,05–0,17	0,1–1,0	±0,02	±0,02	☺	☺	☺
	2,39	1,2	9	0,05–0,20	0,2–1,2	±0,02	±0,02	☺	☺	☺

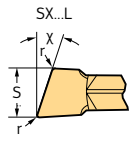
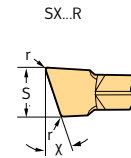
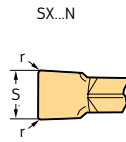
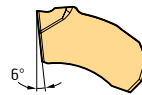
l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM23G: GX09-1E200N10-RF8 WSM23G

HC = Coated carbide

# Grooving and parting off – cutting inserts

## SX

### Tiger-tec® Gold



A2

## Cutting inserts

Designation	s mm	r mm	κ	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P				M		K	N	S	
							HC				HC		HC	HW	HC	
							WKP23S	WSM23G	WSM33G	WSM43G	WSM23G	WSM33G	WSM43G	WKP23S	WK1	WSM23G
SX-2E200N02-CK8	2	0.2		0.04-0.12	±0.02	±0.05								☺		
SX-3E300N02-CK8	3	0.2		0.08-0.20	±0.02	±0.05								☺		
SX-4E400N02-CK8	4	0.2		0.10-0.22	±0.02	±0.05								☺		
SX-5E500N04-CK8	5	0.4		0.10-0.25	±0.02	±0.05								☺		
SX-2E200N02-CF6	2	0.2		0.03-0.14	±0.05	±0.1		☺	☺	☺	☺				☺	☺
SX-3E300N02-CF6	3	0.2		0.04-0.23	±0.05	±0.1		☺	☺	☺	☺				☺	☺
SX-1E150N01-CF5	1.5	0.15		0.03-0.10	±0.05	±0.1			☺		☺				☺	
SX-2E200N02-CF5	2	0.2		0.04-0.12	±0.05	±0.1			☺	☺	☺				☺	☺
SX-3E300N02-CF5	3	0.2		0.08-0.20	±0.05	±0.1		☺	☺	☺	☺			☺	☺	☺
SX-3E310N03-CF5	3.1	0.3		0.08-0.20	±0.05	±0.1			☺	☺	☺				☺	
SX-4E400N02-CF5	4	0.2		0.10-0.22	±0.05	±0.1			☺	☺	☺				☺	☺
SX-5E500N04-CF5	5	0.4		0.10-0.25	±0.05	±0.1			☺	☺	☺				☺	☺
SX-6E600N04-CF5	6	0.4		0.10-0.30	±0.05	±0.1			☺	☺	☺				☺	
SX-2E200R6-CF5	2	0.2	6	0.04-0.10	±0.05	±0.1			☺		☺				☺	
SX-3E300R6-CF5	3	0.2	6	0.08-0.17	±0.05	±0.1			☺	☺	☺				☺	☺
SX-3E300R15-CF5	3	0	15	0.05-0.15	±0.05	±0.1			☺		☺				☺	
SX-4E400R6-CF5	4	0.2	6	0.10-0.20	±0.05	±0.1			☺	☺	☺				☺	
SX-3E300L6-CF5	3	0.2	6	0.08-0.17	±0.05	±0.1			☺	☺	☺				☺	☺
SX-4E400L6-CF5	4	0.2	6	0.10-0.20	±0.05	±0.1			☺	☺	☺				☺	
SX-1E150N01-CE4	1.5	0.15		0.03-0.12	±0.05	±0.1			☺		☺				☺	
SX-2E200N02-CE4	2	0.2		0.06-0.15	±0.05	±0.1	☺	☺	☺	☺	☺			☺	☺	☺
SX-2E260N03-CE4	2.6	0.3		0.06-0.18	±0.05	±0.1			☺	☺	☺				☺	
SX-3E300N02-CE4	3	0.2		0.09-0.30	±0.05	±0.1	☺	☺	☺	☺	☺			☺	☺	☺
SX-3E310N03-CE4	3.1	0.3		0.09-0.30	±0.05	±0.1			☺	☺	☺				☺	
SX-4E400N02-CE4	4	0.2		0.10-0.32	±0.05	±0.1	☺	☺	☺	☺	☺			☺	☺	☺
SX-4E410N03-CE4	4.1	0.3		0.10-0.32	±0.05	±0.1			☺	☺	☺				☺	
SX-4E480N03-CE4	4.8	0.3		0.12-0.35	±0.05	±0.1			☺	☺	☺				☺	
SX-5E500N04-CE4	5	0.4		0.12-0.35	±0.05	±0.1	☺	☺	☺	☺	☺				☺	☺
SX-6E600N04-CE4	6	0.4		0.12-0.40	±0.05	±0.1	☺	☺	☺	☺	☺				☺	☺
SX-8E800N08-CE4	8	0.8		0.20-0.55	±0.05	±0.1	☺	☺	☺	☺	☺				☺	
SX-10E1000N08-CE4	10	0.8		0.25-0.60	±0.05	±0.1			☺	☺	☺				☺	
SX-2E200R6-CE4	2	0.2	6	0.06-0.10	±0.05	±0.1			☺		☺				☺	
SX-3E300R6-CE4	3	0.2	6	0.09-0.20	±0.05	±0.1	☺	☺	☺	☺	☺				☺	☺
SX-4E400R6-CE4	4	0.2	6	0.10-0.22	±0.05	±0.1			☺	☺	☺				☺	☺
SX-5E500R6-CE4	5	0.4	6	0.12-0.25	±0.05	±0.1			☺	☺	☺				☺	
SX-6E600R6-CE4	6	0.4	6	0.12-0.30	±0.05	±0.1			☺	☺	☺				☺	
SX-3E300L6-CE4	3	0.2	6	0.09-0.20	±0.05	±0.1			☺	☺	☺				☺	
SX-4E400L6-CE4	4	0.2	6	0.10-0.22	±0.05	±0.1			☺	☺	☺				☺	
SX-6E600L6-CE4	6	0.4	6	0.12-0.30	±0.05	±0.1			☺	☺	☺				☺	

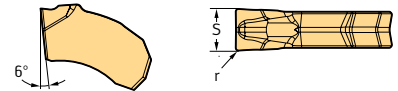
l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WK1: SX-2E200N02-CK8 WK1

HC = Coated carbide  
 HW = Uncoated carbide


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

☺ ☹ ☹ / \* = New addition to the product range

## Grooving and recessing – cutting inserts

**SX**
**Tiger-tec® Gold**


### Cutting inserts

Designation	s mm	r mm	l mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P			M		K	S	
							HC			HC		HC	HC	
							WKP23S	WSM33G	WSM43G	WSM33G	WSM43G	WKP23S	WSM33G	WSM43G
 SX-8E800N08-UF4	8	0,8	17,4	0,18–0,55	±0,05	±0,1	☺	☺	☺	☺	☺	☺	☺	☺

 l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch

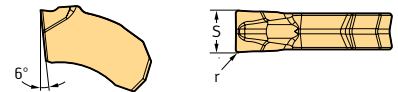
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm

Ordering example for the grade WKP23S: SX-8E800N08-UF4 WKP23S



Ordering example for the grade WSM33G: SX-8E800N08-UF4 WSM33G

HC = Coated carbide

## Slitting – cutting inserts

**SX**
**Tiger-tec® Gold**


### Cutting inserts

Designation	s mm	r mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P		M		N	S	
						HC		HC		HW	HC	
						WSM33G	WSM43G	WSM33G	WSM43G	WK1	WSM33G	WSM43G
 SX-1E150N01-SK8	1,5	0,1	0,03–0,08	±0,02	±0,05					☺		
SX-2E200N02-SK8	2	0,2	0,05–0,10	±0,02	±0,05					☺		
SX-3E300N02-SK8	3	0,2	0,05–0,15	±0,02	±0,05					☺		
SX-4E400N02-SK8	4	0,2	0,05–0,20	±0,02	±0,05					☺		
SX-5E500N04-SK8	5	0,4	0,05–0,25	±0,02	±0,05					☺		
 SX-1E150N01-SF5	1,5	0,15	0,03–0,10	±0,05	±0,1	☺	☺	☺	☺		☺	☺
SX-2E200N02-SF5	2	0,2	0,06–0,15	±0,05	±0,1	☺	☺	☺	☺		☺	☺
SX-3E300N02-SF5	3	0,2	0,08–0,20	±0,05	±0,1	☺	☺	☺	☺		☺	☺
SX-4E400N02-SF5	4	0,2	0,10–0,22	±0,05	±0,1	☺	☺	☺	☺		☺	☺
SX-5E500N04-SF5	5	0,4	0,10–0,25	±0,05	±0,1	☺	☺	☺	☺		☺	☺

 l<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch

 Radius tolerance r<sub>Tol</sub> = ±0.05 mm

Ordering example for the grade WK1: SX-1E150N01-SK8 WK1

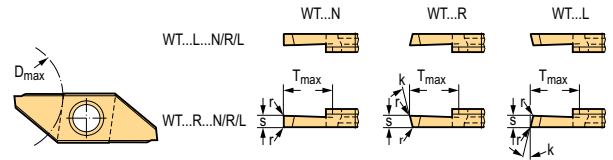
HC = Coated carbide

HW = Uncoated carbide

# Grooving and parting off – cutting inserts

WT

Walter Cut



A2

## Cutting inserts

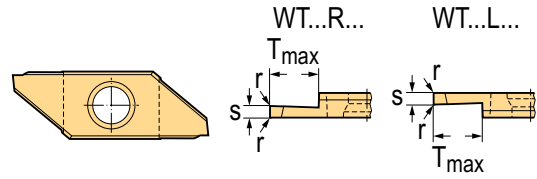
Designation	s mm	r mm	κ	T <sub>max</sub> mm	D <sub>max</sub> mm	l mm	f mm	S <sub>Tot</sub> mm	h <sub>Tot</sub> mm	P	M	N	S
										HC	HC	HW	HC
WT26-R070N00-CD8	0.7	0.05		4.3		25	0.02–0.07	±0.02	±0.03	☺	☺	☺	☺
WT26-R100N00-CD8	1	0.05		6.3		25	0.02–0.10	±0.02	±0.03	☺	☺	☺	☺
WT26-R150N00-CD8	1.5	0.05		6.3		25	0.02–0.13	±0.02	±0.03	☺	☺	☺	☺
WT26-R200N00-CD8	2	0.05		8.5	35	25	0.02–0.14	±0.02	±0.03	☺	☺	☺	☺
WT26-R070R15-CD8	0.7	0.05	15	4.3		25	0.02–0.07	±0.02	±0.03	☺	☺	☺	☺
WT26-R100R15-CD8	1	0.05	15	6.3		25	0.02–0.10	±0.02	±0.03	☺	☺	☺	☺
WT26-R150R15-CD8	1.5	0.05	15	6.3		25	0.02–0.13	±0.02	±0.03	☺	☺	☺	☺
WT26-R200R15-CD8	2	0.05	15	8.5	35	25	0.02–0.14	±0.02	±0.03	☺	☺	☺	☺
WT26-L070N00-CD8	0.7	0.05		4.3		25	0.02–0.07	±0.02	±0.03	☺	☺	☺	☺
WT26-L100N00-CD8	1	0.05		6.3		25	0.02–0.10	±0.02	±0.03	☺	☺	☺	☺
WT26-L150N00-CD8	1.5	0.05		6.3		25	0.02–0.13	±0.02	±0.03	☺	☺	☺	☺
WT26-L200N00-CD8	2	0.05		8.5	35	25	0.02–0.14	±0.02	±0.03	☺	☺	☺	☺
WT26-L070R15-CD8	0.7	0.05	15	4.3		25	0.02–0.07	±0.02	±0.03	☺	☺	☺	☺
WT26-L100R15-CD8	1	0.05	15	6.3		25	0.02–0.10	±0.02	±0.03	☺	☺	☺	☺
WT26-L150R15-CD8	1.5	0.05	15	6.3		25	0.02–0.13	±0.02	±0.03	☺	☺	☺	☺
WT26-L200R15-CD8	2	0.05	15	8.5	35	25	0.02–0.14	±0.02	±0.03	☺	☺	☺	☺

Ordering example for the grade WSM23X: WT26-R070N00-CD8 WSM23X



HC = Coated carbide  
HW = Uncoated carbide

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

## Grooving and parting off – cutting inserts

**WT**  
**Walter Cut**


## Cutting inserts

Designation	s mm	r mm	T <sub>max</sub> mm	l mm	f mm	S <sub>Tol</sub> mm	h <sub>Tol</sub> mm	P	M	S
								HC	HC	HC
								WSM23X	WSM23X	WSM23X
 WT26-R050N00-GD8	0.5	0.05	1.3	25	0.02–0.06	±0.02	±0.03	☺	☺	☺
WT26-R075N00-GD8	0.75	0.05	2.5	25	0.02–0.07	±0.02	±0.03	☺	☺	☺
WT26-R100N00-GD8	1	0.05	2.7	25	0.02–0.10	±0.02	±0.03	☺	☺	☺
WT26-R125N00-GD8	1.25	0.05	2.7	25	0.02–0.12	±0.02	±0.03	☺	☺	☺
WT26-R150N00-GD8	1.5	0.05	3.7	25	0.02–0.13	±0.02	±0.03	☺	☺	☺
WT26-R175N00-GD8	1.75	0.05	3.7	25	0.02–0.13	±0.02	±0.03	☺	☺	☺
WT26-R200N00-GD8	2	0.05	3.7	25	0.02–0.14	±0.02	±0.03	☺	☺	☺
WT26-R250N00-GD8	2.5	0.05	3.7	25	0.02–0.16	±0.02	±0.03	☺	☺	☺
 WT26-L050N00-GD8	0.5	0.05	1.3	25	0.02–0.06	±0.02	±0.03	☺	☺	☺
WT26-L075N00-GD8	0.75	0.05	2.5	25	0.02–0.07	±0.02	±0.03	☺	☺	☺
WT26-L100N00-GD8	1	0.05	2.7	25	0.02–0.10	±0.02	±0.03	☺	☺	☺
WT26-L150N00-GD8	1.5	0.05	3.7	25	0.02–0.13	±0.02	±0.03	☺	☺	☺
WT26-L200N00-GD8	2	0.05	3.7	25	0.02–0.14	±0.02	±0.03	☺	☺	☺

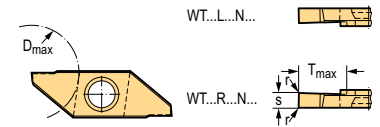
HC = Coated carbide

Ordering example for the grade WSM23X: WT26-R050N00-GD8 WSM23X



## Grooving and recessing – cutting inserts

WT

Walter Cut



### Cutting inserts

Designation	s mm	r mm	T <sub>max</sub> mm	D <sub>max</sub> mm	l mm	f mm	a <sub>p</sub> mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P	M	S
										HC	HC	HC
 WT26-R100N00-UA8 WT26-R150N00-UA8 WT26-R200N00-UA8 WT26-R250N00-UA8	1	0,05	6,3		25	0,02-0,14	0,1-1,5	±0,02	±0,03	☺	☺	☺
	1,5	0,05	6,3	35	25	0,02-0,14	0,1-1,5	±0,02	±0,03	☺	☺	☺
	2	0,05	8,2	35	25	0,02-0,14	0,1-3,0	±0,02	±0,03	☺	☺	☺
	2,5	0,05	8,2	35	25	0,02-0,16	0,1-0,0	±0,02	±0,03	☺	☺	☺
 WT26-L200N00-UA8	2	0,05	8,2		25	0,02-0,14	0,1-3,0	±0,02	±0,03	☺	☺	☺

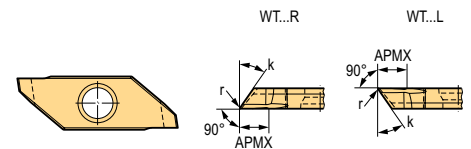
HC = Coated carbide

Ordering example for the grade WSM23X: WT26-R100N00-UA8 WSM23X


## Forward turning - cutting inserts

WT

Walter Cut



### Cutting inserts

Designation	s mm	r mm	k	l mm	f mm	APMX mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P	M	N	S
									HC	HC	HW	HC
 WT26-R300L003-DG8 WT26-R300L005-DG8 WT26-R300L010-DG8 WT26-R300L020-DG8	3	0,03	35	25	0,02-0,10	4	±0,02	±0,03	☺	☺	☺	☺
	3	0,05	35	25	0,02-0,13	4	±0,02	±0,03	☺	☺	☺	☺
	3	0,1	35	25	0,02-0,14	4	±0,02	±0,03	☺	☺	☺	☺
	3	0,2	35	25	0,02-0,16	4	±0,02	±0,03	☺	☺	☺	☺

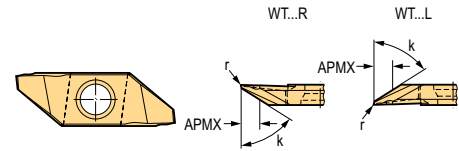
HC = Coated carbide  
HW = Uncoated carbide

Ordering example for the grade WN23: WT26-R300L003-DG8 WN23


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

## Reverse turning - cutting inserts

WT  
Walter Cut



### Cutting inserts

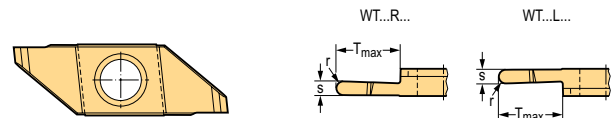
Designation	s mm	r mm	κ	l mm	f mm	APMX mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P	M	N	S
									HC	HC	HW	HC
									WSM23X	WSM23X	WN23	WSM23X
 WT26-R300R003-VG8	3	0.03	59	25	0.02–0.10	4	±0.02	±0.03	☺	☺	☺	☺
WT26-R300R005-VG8	3	0.05	59	25	0.02–0.13	4	±0.02	±0.03	☺	☺	☺	☺
WT26-R300R010-VG8	3	0.1	59	25	0.02–0.14	4	±0.02	±0.03	☺	☺	☺	☺
WT26-R300R020-VG8	3	0.2	59	25	0.02–0.16	4	±0.02	±0.03	☺	☺	☺	☺

Ordering example for the grade WN23: WT26-R300R003-VG8 WN23


HC = Coated carbide  
HW = Uncoated carbide

## Grooving and copy turning – cutting inserts

WT  
Walter Cut



### Cutting inserts

Designation	s mm	r mm	T <sub>max</sub> mm	l mm	f mm	S <sub>Tol</sub> mm	l <sub>Tol</sub> mm	P	M	S
								HC	HC	HC
								WSM23X	WSM23X	WSM23X
 WT26-L125N06-RA8	1.25	0.63	5	25	0.02–0.12	±0.02	±0.03	☺	☺	☺
WT26-L160N08-RA8	1.6	0.8	7.5	25	0.02–0.14	±0.02	±0.03	☺	☺	☺

Ordering example for the grade WSM23X: WT26-L125N06-RA8 WSM23X

HC = Coated carbide

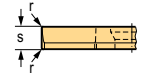
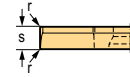
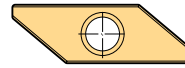


# Semi-finished blanks for special shapes

## WT


WT...R...

WT...L...



A2

### Cutting inserts

Designation	s mm	r mm	l mm	P	M	S
				WMG40	WMG40	WMG40
 WT26-L300N00N WT26-R300N00N	3	0,05	25,6	HW	HW	HW
	3	0,05	25,6	★	★	★

Ordering example for the grade WMG40: WT26-L300N00N WMG40

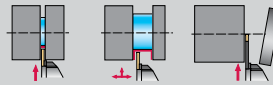
HW = Uncoated carbide

## Shank tools/parting blades

System



Machining



G3011



G3011...-P



G3021...-P

Designation

Insert width $s$ [mm]	0,5–3,25	0,5–5,65	0,5–5,65
Cutting depth $T_{max}$ [mm]	6	6	6
Coolant supply	External	Precision cooling	Precision cooling
Shank size $h$ [mm]	10–25	12–25	20–25
Shank size $h$ [Inch]		0,500–1,000	1,000

Page in catalogue

QR code



G3011



G3011-P



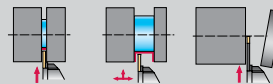
G3021-P

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

System



Machining



G3051...-P



G4014



G4014...-P

Designation

Insert width $s$ [mm]	0,5–3,25	1–3	2–3
Cutting depth $T_{max}$ [mm]	6	17,5	17,5
Coolant supply	Precision cooling	External	Precision cooling
Shank size $h$ [mm]	12–25	10–20	12–20
Shank size $h$ [Inch]	0,625–1,000	0,500–0,625	0,500–0,750

Page in catalogue

QR code



G3051-P



G4014



G4014-P

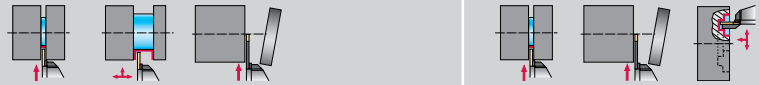
[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

## Shank tools/parting blades

System



Machining



G4011



G4011...-P



G4511

Designation

Insert width s [mm]	2-4	2-4	2-6
Cutting depth $T_{max}$ [mm]	17	17	5
Coolant supply	External	Precision cooling	External
Shank size h [mm]	16-25	20-25	12-25
Shank size h [Inch]	0,750-1,000	1,000	

Page in catalogue

QR code



G4011



G4011-P



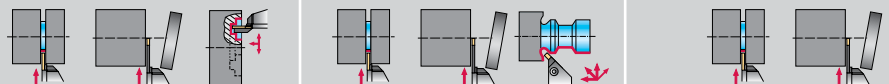
G4511

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

System



Machining



G4521



G4551



G4041

Designation

Insert width s [mm]	2-6	2-6	1,5-3
Cutting depth $T_{max}$ [mm]	5	5	21
Coolant supply	External	External	External
Shank size h [mm]	20-25	20-25	26-32
Shank size h [Inch]			

Page in catalogue

QR code



G4521



G4551



G4041

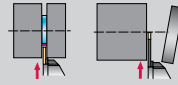
[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

## Shank tools/parting blades

System



Machining


**G4041...-P**

**G4041...C**

**G4041...C-P**

Designation

Insert width $s$ [mm]	2-3	1,5-3	2-3
Cutting depth $T_{max}$ [mm]	21	21	21
Coolant supply	Precision cooling	External	Precision cooling
Shank size $h$ [mm]	26-32	26-32	26-32
Shank size $h$ [Inch]			

Page in catalogue

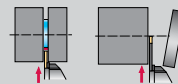
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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[G4041-P](#)
[G4041-C](#)
[G4041-C-P](#)

System



Machining


**G4042...N**

**G4042...N...-P**

**G4634-P**

Designation

Insert width $s$ [mm]	1,5-4	3	2-3
Cutting depth $T_{max}$ [mm]	40	40	16
Coolant supply	External	Precision cooling	Precision cooling
Shank size $h$ [mm]	26-32	26-32	E33
Shank size $h$ [Inch]			

Page in catalogue

QR code

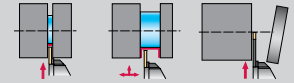
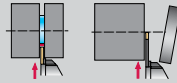

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[G4042-N](#)
[G4042-N-P](#)
[G4634-P](#)

## Shank tools/parting blades

System



Machining



Designation

G4635

G4635-P

G1011

Insert width s [mm]

1,5–3

2–2,5

2–8

Cutting depth  $T_{max}$  [mm]

17

16

38

Coolant supply

External

Precision cooling

External

Shank size h [mm]

E30

E33

16–32

Shank size h [Inch]

0,625–1,500

Page in catalogue

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www.walter-tools.com/woc/

G4635

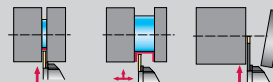
G4635-P

G1011

System



Machining



Designation

G1011...-P

G1511

G1511...-P

Insert width s [mm]

2–8

2–6

2–6

Cutting depth  $T_{max}$  [mm]

33

6

6

Coolant supply

Precision cooling

External

Precision cooling

Shank size h [mm]

16–32

20–25

16–25

Shank size h [Inch]

0,750–1,000

0,750–1,000

1,000

Page in catalogue

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www.walter-tools.com/woc/

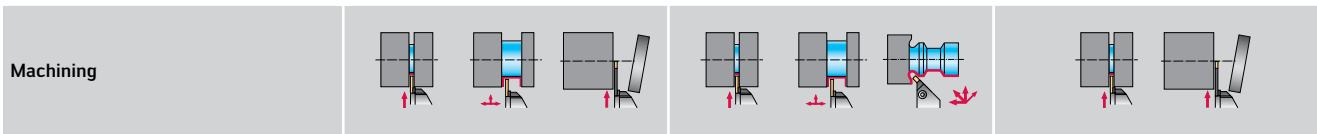
G1011-P

G1511

G1511-P

## Shank tools/parting blades

System



Designation	G1521	G1551	G1041
Insert width $s$ [mm]	2–6	2–6	2–4
Cutting depth $T_{max}$ [mm]	6	6	32
Coolant supply	External	External	External
Shank size $h$ [mm]	20–25	20–25	26–32
Shank size $h$ [Inch]	0,750–1,000	0,750–1,000	

Page in catalogue

QR code			
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	G1521	G1551	G1041

System



Designation	G1041...-P	G1041...C	G1041...C-P
Insert width $s$ [mm]	3–4	2–4	2–4
Cutting depth $T_{max}$ [mm]	33	32	33
Coolant supply	Precision cooling	External	Precision cooling
Shank size $h$ [mm]	26–32	26–32	26–32
Shank size $h$ [Inch]			

Page in catalogue

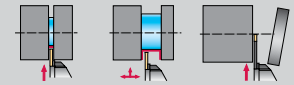
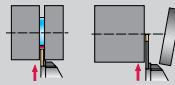
QR code			
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	G1041-P	G1041-C	G1041-C-P

## Shank tools/parting blades

System



Machining



G1042



XLCFN



MSS...E...

Designation

Insert width s [mm]	2-6	3-6	0,6-8
Cutting depth $T_{max}$ [mm]	60	21	21
Coolant supply	External	External	External
Shank size h [mm]	26-32	32	E16-E32
Shank size h [Inch]			

Page in catalogue

QR code



G1042



XLCFN



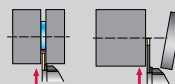
MSS-E

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

System



Machining



G1332



G1634-P



G1111

Designation

Insert width s [mm]	3	2-4	3-6
Cutting depth $T_{max}$ [mm]	15	33	25
Coolant supply		Precision cooling	External
Shank size h [mm]	EXT	E33-E43	25
Shank size h [Inch]			1,000

Page in catalogue

QR code



G1332



G1634-P



G1111

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

## Shank tools/parting blades

System



Machining



G1111...-P



MSS...E...A



MSS...E...C

Designation

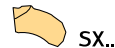
Insert width $s$ [mm]	5	3–6	4–6
Cutting depth $T_{max}$ [mm]	33	15	25
Coolant supply	Precision cooling	External	External
Shank size $h$ [mm]	25	E20–E32	E25
Shank size $h$ [Inch]			

Page in catalogue

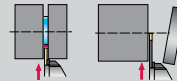
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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[G1111-P](#)
[MSS-E-A](#)
[MSS-E-C](#)

System



Machining



G2012



G2012...-P



G2042...R/L

Designation

Insert width $s$ [mm]	1,5–3	2–6	1,5–4
Cutting depth $T_{max}$ [mm]	33	40	33
Coolant supply	External	Internal	External
Shank size $h$ [mm]	20–25	12–25	26–32
Shank size $h$ [Inch]	0,750–1,000	0,500–1,000	

Page in catalogue

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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[G2012](#)
[G2012-P](#)
[G2042-R-L](#)

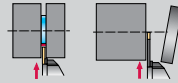


## Shank tools/parting blades

System



Machining



G2042...R/L...-P



G2042...R/L...C



G2042...R/L...C-P

Designation

Insert width s [mm]	2-4	4	2-4
Cutting depth $T_{max}$ [mm]	33	33	33
Coolant supply	Precision cooling	External	Precision cooling
Shank size h [mm]	26-32	32	26-32
Shank size h [Inch]			

Page in catalogue

QR code



G2042-R-L-P



G2042-R-L-C



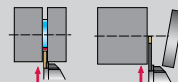
G2042-R-L-C-P

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

System



Machining



G2042...N



G2042...N...-P



G2632-E...R/L...-SX

Designation

Insert width s [mm]	2-6	3-10	2-8
Cutting depth $T_{max}$ [mm]	80	100	45
Coolant supply	External	Precision cooling	External
Shank size h [mm]	26-46	26-52	E20-E32
Shank size h [Inch]			

Page in catalogue

QR code



G2042-N



G2042-N-P



G2632

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)




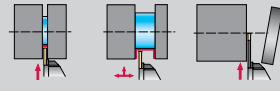






A2









## Shank tools/parting blades

System			
Machining			
Designation	G2016...-P	MSS-...00	MSS-...90
Insert width s [mm]	12–19		
Cutting depth $T_{max}$ [mm]	41		
Coolant supply	Precision cooling	External	External
Shank size h [mm]	25–32	16–32	20–32
Shank size h [Inch]		0,625–1,250	0,750–1,250
Page in catalogue			
QR code			
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	G2016-P	MSS-00	MSS-90

System			
Machining			
Designation	G2661...-P	SBN	W2011
Insert width s [mm]			0,5–3
Cutting depth $T_{max}$ [mm]			8,5
Coolant supply	Internal	External	External
Shank size h [mm]	16–40	20–40	10–16
Shank size h [Inch]	0,750–1,500	0,750–1,250	0,500–0,625
Page in catalogue			136
QR code			
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	G2661-P	SBN	W2011

## Walter Capto™ groove turning holders

System	 MX..	 DX..	 GX..
Machining			
Designation	 G3011-C...-P	 G4011-C...-P	 G1011-C...-P
Insert width s [mm]	0,5–5,65	2	3–5
Cutting depth T <sub>max</sub> [mm]	6	17	21
Coolant supply	Precision cooling	Precision cooling	Precision cooling
Walter Capto™ size	C3–C6	C3–C4	C3–C6
Page in catalogue			
QR code			
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	G3011-C-P	G4011-C-P	G1011-C-P

System	 GX..		
Machining			
Designation	 MSS...E...	 MSS...E...A	 MSS...E...C
Insert width s [mm]	0,6–8	3–6	4–6
Cutting depth T <sub>max</sub> [mm]	21	15	25
Coolant supply	External	External	External
Walter Capto™ size	E16–E32	E20–E32	E25
Page in catalogue			
QR code			
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	MSS-E	MSS-E-A	MSS-E-C

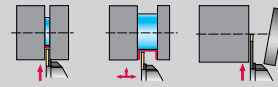
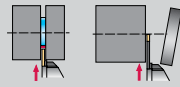
A2

# Walter Capto™ groove turning holders

System



Machining



Designation

G2632-E...R/L...-SX

C...-MSS

C...-MSS...90

 Insert width  $s$  [mm]

2–8

 Cutting depth  $T_{max}$  [mm]

45

Coolant supply

External

Internal

Internal

Walter Capto™ size

E20–E32

C3–C6

C4–C6

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

G2632

C-MSS

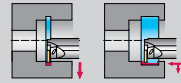
C-MSS-90

## Boring bars – Internal grooving

System



Machining



Designation

G3221...-P

G4221...-P

I12

Insert width  $s$  [mm]

0,5–3,25

2–4

2–2,5

Cutting depth  $T_{max}$  [mm]

4

10

3

Coolant supply

Precision cooling

Precision cooling

External

Boring bar  $\varnothing d_1$  [mm]

32

25–32

16

Boring bar  $\varnothing d_1$  [inch]

1.25

0.984–1.260

0.630

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

G3221-P

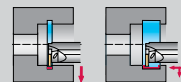
G4221-P

I12

System



Machining



Designation

G1221...-P

MSS...I...

MSS...I...90-1.5

Insert width  $s$  [mm]

2–6

0,6–6

Cutting depth  $T_{max}$  [mm]

12

19

Coolant supply

Precision cooling

External

Internal

Boring bar  $\varnothing d_1$  [mm]

16–40

116–140

20–40

Boring bar  $\varnothing d_1$  [inch]

0.630–1.575

4.567–5.512

0.787–1.575

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

G1221-P

MSS-I

MSS-I-1-5

## Boring bars – Internal grooving

System



Designation

MSS...I...90-2.5

Insert width $s$ [mm]	
Cutting depth $T_{max}$ [mm]	
Coolant supply	Internal
Boring bar $\varnothing d_1$ [mm]	20–50
Boring bar $\varnothing d_1$ [inch]	0,039–2,000
Page in catalogue	

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

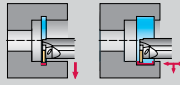
MSS-I-2-5

## Exchangeable head QuadFit – Internal grooving

System



Machining



Designation

G4221-Q...-P

Insert width  $s$  [mm]

3–4

Cutting depth  $T_{max}$  [mm]

21

Coolant supply

Precision cooling

QuadFit size

Q32–Q50

Page in catalogue

QR code

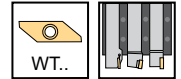
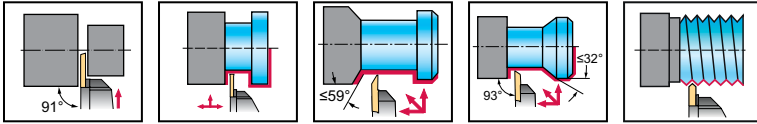

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

G4221-Q-P

## Shank tool – Radial grooving

**W2011** 
**Walter Cut**


- Screw clamping
- For Swiss Machining



### Tool

	Designation	s mm	T <sub>max</sub> mm	h = h <sub>1</sub> mm	b mm	f mm	l <sub>1</sub> mm	l <sub>4</sub> mm	Type
	★ W2011-1010R-WT26	0.5 - 3	9	10	10	10	125	27	WT26..
	★ W2011-1212R-WT26		9	12	12	12	125	27	
	★ W2011-1616R-WT26		9	16	16	16	125	27	
	★ W2011-1010L-WT26	0.5 - 3	9	10	10	10	125	27	WT26..
	★ W2011-1212L-WT26		9	12	12	12	125	27	
	★ W2011-1616L-WT26		9	16	16	16	125	27	

Square shank

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

### Assembly parts

	s [mm]	0.5 - 3
	Clamping screw for grooving insert Tightening torque	FS2675 (8IP) 1,2 Nm
	Allen key	FS2672 (T8IP)



## Shank tool – Radial grooving

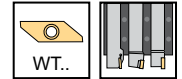
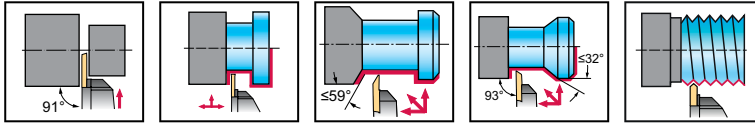
W2011 inch

Walter Cut



A2

- Screw clamping
- For Swiss Machining



## Tool

	Designation	s inch	T <sub>max</sub> inch	h = h <sub>1</sub> inch	b inch	f inch	l <sub>1</sub> inch	l <sub>4</sub> inch	Type
	★ W2011.08R-WT26	0,020 - 0,118	0,335	0,500	0,500	0,500	5,000	1,063	WT26..
	★ W2011.10R-WT26		0,335	0,625	0,625	624,999	5,000	1,063	
	★ W2011.08L-WT26	0,020 - 0,118	0,335	0,500	0,500	0,500	5,000	1,063	WT26..
	★ W2011.10L-WT26		0,335	0,625	0,625	624,999	5,000	1,063	

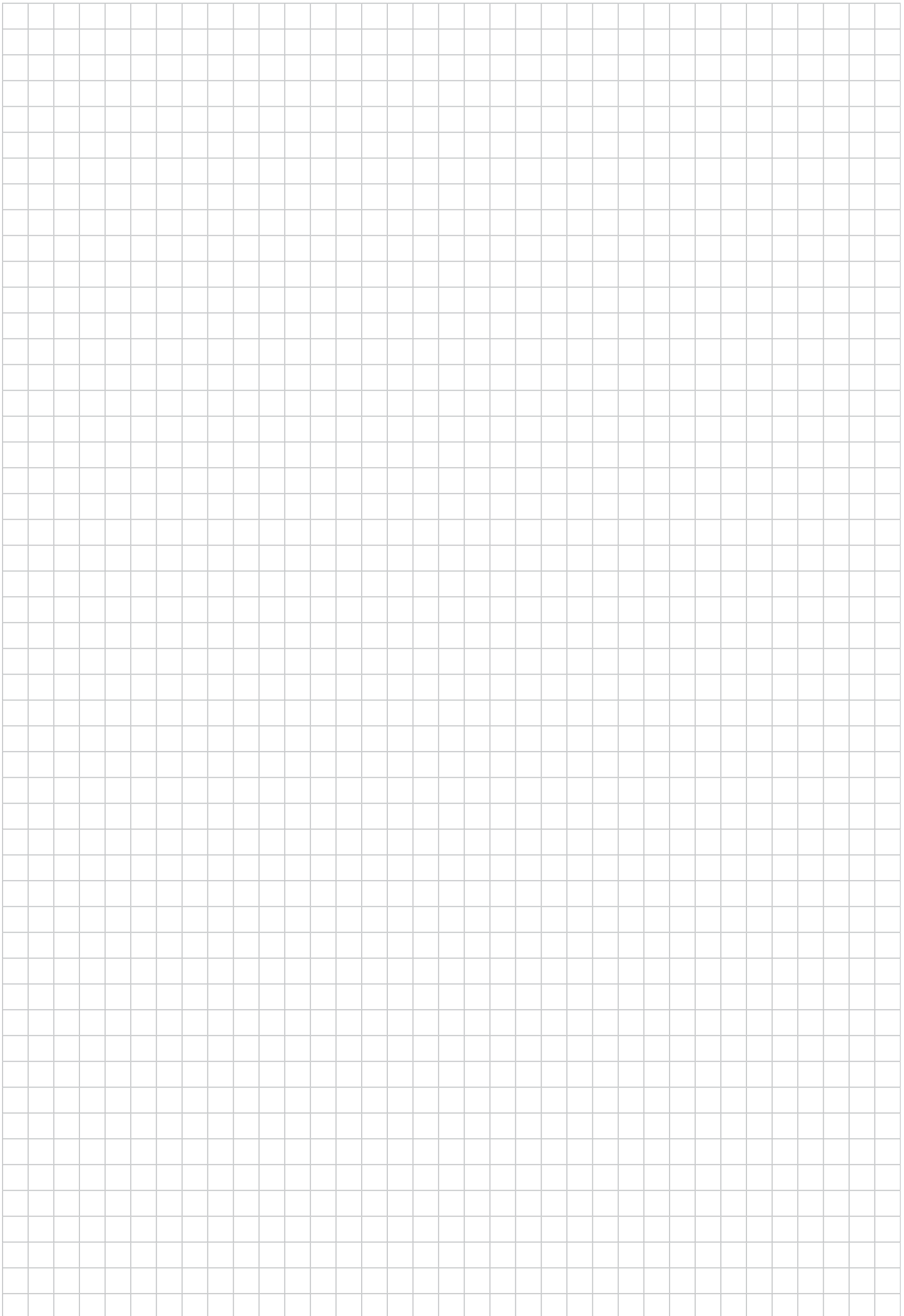
Square shank

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

## Assembly parts

	s [inch]	0.020 - 0.118
	Clamping screw for grooving insert Tightening torque	FS2675 (8IP) 0,885 lbs
	Allen key	FS2672 (T8IP)

A3



Indexable inserts					
Machining	Internal machining				
Indexable inserts					
Thread type	55° partial profile	60° partial profile	full profile, American UN 60°	full profile, ISO metric 60°	full profile, Whitworth
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●	●	●	●	●
<b>N</b> NF metals	●	●	●	●	●
<b>S</b> Materials with difficult cutting properties					
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●	●	●
Pitch P [mm]	0,5–5,0			0,5–5,0	
Pitch in threads per inch [TPI]	5,0–48,0	8,0–27,0	8,0–32,0	5,08–50,8	8,0–28,0
Page in catalogue					
QR code					
www.walter-tools.com/woc/	NTS	NTS	NTS	NTS	NTS

Indexable inserts					
Machining	External machining				
Indexable inserts					
Thread type	60° partial profile	full profile, American NPT	full profile, American UN 60°	full profile, ISO metric 60°	full profile, Whitworth
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●	●	●	●	●
<b>N</b> NF metals	●	●	●	●	●
<b>S</b> Materials with difficult cutting properties					
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●	●	●
Pitch P [mm]	0,5–1,5	0,5–5,0		0,5–5,0	
Pitch in threads per inch [TPI]	16,0–48,0	5,0–48,0	8,0–64,0	5,08–50,8	8,0–48,0
Page in catalogue					
QR code					
www.walter-tools.com/woc/	NTS	NTS	NTS	NTS	NTS

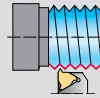
**WALTER SELECT** ●● Primary application ● Other application

## Thread turning tools - external machining

Type



Machining



Designation

NTS-SE

C...-NTS-SE

Version

Square shank

Walter Capto™ in acc. with ISO 26623

Clamping system

Screw

Screw

Coolant supply

External

Internal

Shank size h [mm]

12–40

Shank size h [Inch]

0,500–1,250

Walter Capto™ size

C3–C6

Insert size l [mm]

16–22

16–22

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

NTS-SE

C-NTS-SE

# Threading tools - internal machining

Type



A3



Designation	A...-NTS-I	S...-NTS-I	C...-NTS-SI	T1820-Q...-P
Version	Parallel shank with clamping surface	Parallel shank with clamping surface	Walter Capto™ in acc. with ISO 26623	QuadFit
Clamping system	Screw	Screw	Screw	Lever-type
Coolant supply	Internal	External	Internal	Precision cooling
Boring bar Ø d <sub>1</sub> [mm]	20	16–40		
Boring bar Ø d <sub>1</sub> [inch]		0,580–1,340		
Walter Capto™ size			C4–C6	
QuadFit size				Q25–Q50
Insert size l [mm]	11–16	16–22	16–22	16–22
Page in catalogue				
QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	A-NTS-I	S-NTS-I	C-NTS-SI	T1820-Q-P



*Krato-tec™*

## B – Drilling

B1: Drilling from solid		Page
<b>Solid carbide drilling and reaming tools</b>	Product range overview	
	Solid carbide drills – with internal coolant	144
	Solid carbide drills – without internal coolant	155
	Order pages	
	Solid carbide drills – with internal coolant	160
<b>Drilling/chamfering tools</b>	Product range overview	
	Drilling/chamfering tools	178
<b>Indexable inserts for holemaking</b>	Order pages	
	Replaceable inserts	179
	Indexable inserts for holemaking	194
<b>Boring tools with indexable inserts</b>	Product range overview	
	Indexable insert drills	195
	Order pages	
	Drills with indexable inserts	200
<b>HSS drilling and reaming tools</b>	Product range overview	
	HSS drilling and reaming tools	230
<b>Solid carbide and HSS NC centre drills</b>	Solid carbide and HSS NC centre drills	238
<b>Solid carbide and HSS centre drills</b>	Solid carbide and HSS centre drills	240
B2: Boring and precision boring		Page
<b>Tools for boring and precision boring</b>	Product range overview	
	Precision boring	244
	Boring	248
<b>Cartridges</b>	ISO cartridges	252
	Mini cartridges	254
	Precision boring cartridges	256
<b>HSS core drills and countersinkers</b>	HSS core drills and countersinkers	258
B3: Reaming		Page
<b>Solid carbide and HSS reamers</b>	Product range overview	
	Solid carbide and HSS reamers	260

## Solid carbide drills with internal coolant

B1

Drilling depth	2 x D <sub>C</sub>	2 x D <sub>C</sub>	2 x D <sub>C</sub>	3 x D <sub>C</sub>



Designation	K5191TFT X-treme Pilot 180 C	DC118 Supreme	DB131 Supreme	DC260 Advance X-treme Evo	DC260 Advance X-treme Evo
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	TFT	WJ30ET	WJ30EL	WJ30ET	WJ30ET
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HE
Diameter range [mm]	4-7	3-20	2-2,95	3,3-14	3,3-14
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/](http://www.walter-tools.com/woc/)

K5191TFT

DC118

DB131

DC260

DC260

**WALTER SELECT**

●● Primary application ● Other application



# Solid carbide drills with internal coolant

Drilling depth	3 x D <sub>C</sub>	3 x D <sub>C</sub>

B1

**Selection**



Designation	DC180 Supreme X-treme Evo Plus	DC175 Supreme	DC170 Supreme	DC160 Advance X-treme Evo	DC160 Advance X-treme Evo
Additional services					
Standard	DIN 6537 K	DIN 6537 K	DIN 6537 K	DIN 6537 K	DIN 6537 K
Coating / grade	WJ30EZ	WJ30RZ	WJ30EJ	WJ30ET	WJ30ET
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HE
Diameter range [mm]	3–20	3–20	3–20	3–20	3–20
<b>P</b> Steel	●●	●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●		●	●
<b>K</b> Cast iron	●●		●●	●●	●●
<b>N</b> NF metals	●●	●		●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●		●●	●●
<b>H</b> Hard materials	●●		●	●	●
<b>O</b> Other	●	●		●	●
Page in catalogue	160				
QR code					
www.walter-tools.com/woc/	DC180	DC175	DC170	DC160	DC160

**WALTER SELECT** ●● Primary application ● Other application

**Solid carbide drills with internal coolant**

B1

Drilling depth	3 x D <sub>C</sub>	5 x D <sub>C</sub>	5 x D <sub>C</sub>

Selection

Selection

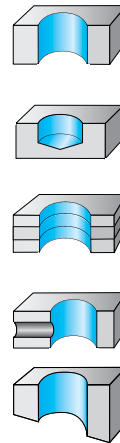


Designation	DC150 Perform	DC150 Perform	DC183 Supreme X-treme Evo 3	DC180 Supreme X-treme Evo Plus	DC175 Supreme
Additional services					
Standard	DIN 6537 K	DIN 6537 K	Walter	Walter	Walter
Coating / grade	WJ30RE	WJ30RE	WJ30EZ	WJ30EZ	WJ30RZ
Shank	DIN 6535 HA	DIN 6535 HE, turned 180° DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–20	3–20	3–16	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			163	160	
QR code					
www.walter-tools.com/woc/	DC150	DC150	DC183	DC180	DC175

**WALTER SELECT**

●● Primary application ● Other application

## Solid carbide drills with internal coolant



Drilling depth  $5 \times D_C$



Designation	DC170 Supreme	DC166 Supreme	DC165 Advance	DC160 Advance X-treme Evo	DC160 Advance X-treme Evo
Additional services					
Standard	DIN 6537 L	DIN 6537 L	Walter	DIN 6537 L	DIN 6537 L
Coating / grade	WJ30EJ	WJ30UU	WJ30UU	WJ30ET	WJ30ET
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HE
Diameter range [mm]	3–20	3–12	4–16	3–25	3–25
<b>P</b> Steel	●●			●●	●●
<b>M</b> Stainless steel				●	●
<b>K</b> Cast iron	●●		●●	●●	●●
<b>N</b> NF metals		●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties				●●	●●
<b>H</b> Hard materials	●			●	●
<b>O</b> Other				●	●

Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

DC170

DC166

DC165

DC160

DC160

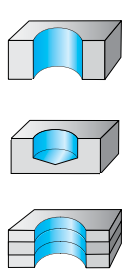
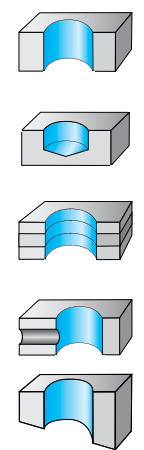
**WALTER SELECT**

●● Primary application ● Other application






B1

## Solid carbide drills with internal coolant

B1

		
Drilling depth	$5 \times D_C$	$8 \times D_C$



Designation	DC150 Perform	DC150 Perform	DB133 Supreme	DC183 Supreme X-treme Evo 3	DC180 Supreme X-treme Evo Plus
Additional services					
Standard	DIN 6537 L	DIN 6537 L	Walter	Walter	Walter
Coating / grade	WJ30RE	WJ30RE	WJ30EL	WJ30EY	WJ30EY
Shank	DIN 6535 HA	DIN 6535 HE, turned 180° DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–20	3–20	0,7–2,95	3–16	3–20
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●●	●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●	●●
<b>H</b> Hard materials	●	●	●	●	●●
<b>O</b> Other	●	●	●	●	●

Page in catalogue				164	161
QR code					
www.walter-tools.com/woc/	DC150	DC150	DB133	DC183	DC180

## Solid carbide drills with internal coolant

Drilling depth	8 x D <sub>C</sub>	8 x D <sub>C</sub>	8 x D <sub>C</sub>	8 x D <sub>C</sub>	8 x D <sub>C</sub>



Designation	DC175 Supreme	DC170 Supreme	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	WJ30RY	WJ30EJ	WJ30ET	WJ30TA	WJ30ER
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–16	3–20	3–20	3–20	0,7–2,95
<b>P</b> Steel	●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●		●	●	●●
<b>K</b> Cast iron		●●	●●	●●	●●
<b>N</b> NF metals	●		●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●		●●	●●	●●
<b>H</b> Hard materials		●	●	●	●
<b>O</b> Other	●		●	●	●

Page in catalogue

QR code



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DC175

DC170

DC160

DC150

DB133

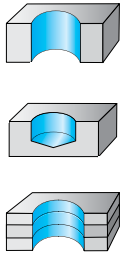
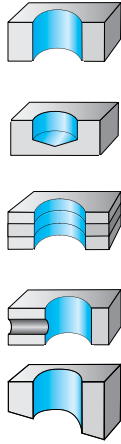
**WALTER SELECT**

●● Primary application ● Other application

B1

## Solid carbide drills with internal coolant

B1

		
Drilling depth	8 x D <sub>C</sub>	12 x D <sub>C</sub>

**NEW**



Designation	A3486TIP Alpha® 44	DC180 Supreme X-treme Evo Plus	DC170 Supreme	DC160 Advance X-treme Evo	DC150 Perform
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	TIP	WJ30EY	WJ30EJ	WJ30EU	WJ30TA
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	5–8	3–20	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

160

QR code



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A3486TIP

DC180

DC170

DC160

DC150

**WALTER SELECT**

●● Primary application ● Other application

## Solid carbide drills with internal coolant

<b>Drilling depth</b>	12 x D <sub>C</sub>	16 x D <sub>C</sub>	16 x D <sub>C</sub>	20 x D <sub>C</sub>



<b>Designation</b>	DB133 Supreme	DC170 Supreme	DC160 Advance X-treme Evo	DB133 Supreme	DC170 Supreme
<b>Additional services</b>					
<b>Standard</b>	Walter	Walter	Walter	Walter	Walter
<b>Coating / grade</b>	WJ30ER	WJ30EJ	WJ30EU	WJ30ER	WJ30EJ
<b>Shank</b>	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
<b>Diameter range [mm]</b>	0,7–2,9	3–16	3–16	2–2,9	3–16
<b>P Steel</b>	●●	●●	●●	●●	●●
<b>M Stainless steel</b>	●●	●●	●	●●	●●
<b>K Cast iron</b>	●●	●●	●●	●●	●●
<b>N NF metals</b>	●●	●●	●●	●●	●●
<b>S Materials with difficult cutting properties</b>	●●	●●	●●	●	●●
<b>H Hard materials</b>	●	●	●	●	●
<b>O Other</b>	●	●	●	●	●

Page in catalogue

QR code



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DB133

DC170

DC160

DB133

DC170

WALTER SELECT

●● Primary application ● Other application

B1

## Solid carbide drills with internal coolant

B1

Drilling depth	20 x D <sub>C</sub>	20 x D <sub>C</sub>	20 x D <sub>C</sub>	25 x D <sub>C</sub>	25 x D <sub>C</sub>



Designation	DC160 Advance X-treme Evo	DB133 Supreme	A6794TFP X-treme DH20	DC170 Supreme	DC160 Advance X-treme Evo
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	WJ30EU	WJ30ER	TFP	WJ30EJ	WJ30EU
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–16	2–2,9	3–10	3–12	3–12
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●●	●	●	●
<b>K</b> Cast iron	●●	●●	●	●●	●●
<b>N</b> NF metals	●●	●●	●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●	●	●	●●
<b>H</b> Hard materials	●	●	●	●	●
<b>O</b> Other	●	●			●

Page in catalogue

QR code



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DC160

DB133

A6794TFP

DC170

DC160



## Solid carbide drills with internal coolant

Drilling depth	25 x D <sub>C</sub>	30 x D <sub>C</sub>	30 x D <sub>C</sub>	30 x D <sub>C</sub>	30 x D <sub>C</sub>



Designation	DB133 Supreme	DC170 Supreme	DC160 Advance X-treme Evo	DB133 Supreme	A6994TFP X-treme DH30
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	WJ30ER	WJ30EJ	WJ30EU	WJ30ER	TFP
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	2-2,9	3-12	3-12	2-2,9	3-10
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●	●●	●
<b>K</b> Cast iron	●●	●●	●●	●●	●
<b>N</b> NF metals	●●	●●	●●	●●	●
<b>S</b> Materials with difficult cutting properties	●	●	●●	●	●
<b>H</b> Hard materials	●	●	●	●	●
<b>O</b> Other	●	●	●	●	●

Page in catalogue

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DB133

DC170

DC160

DB133

A6994TFP

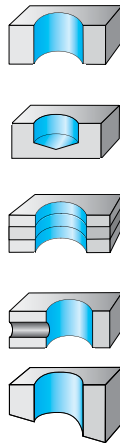
WALTER SELECT

●● Primary application ● Other application

B1

## Solid carbide drills with internal coolant

B1



Drilling depth	40 x D <sub>C</sub>	50 x D <sub>C</sub>
----------------	---------------------	---------------------



Designation	A7495TTP X-treme D40	A7595TTP X-treme D50
Additional services		
Standard	Walter	Walter
Coating / grade	TTP	TTP
Shank	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–11	3–9
<b>P</b> Steel	●●	●●
<b>M</b> Stainless steel	●	●
<b>K</b> Cast iron	●●	●●
<b>N</b> NF metals	●●	●●
<b>S</b> Materials with difficult cutting properties		
<b>H</b> Hard materials		
<b>O</b> Other		

Page in catalogue

QR code



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A7495TTP

A7595TTP

## Solid carbide drills without internal coolant

Drilling depth	2 x D <sub>C</sub>	3 x D <sub>C</sub>	3 x D <sub>C</sub>	3 x D <sub>C</sub>	3 x D <sub>C</sub>



Designation	DB131 Supreme	DC260 Advance X-treme Evo	DC260 Advance X-treme Evo	DC160 Advance X-treme Evo	DC160 Advance X-treme Evo
Additional services					
Standard	Walter	Walter	Walter	DIN 6537 K	DIN 6537 K
Coating / grade	WJ30EL	WJ30ET	WJ30ET	WJ30ET	WJ30ET
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA	DIN 6535 HE
Diameter range [mm]	0,5–1,984	3,3–14	3,3–14,5	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



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DB131

DC260

DC260

DC160

DC160

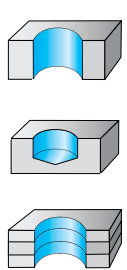
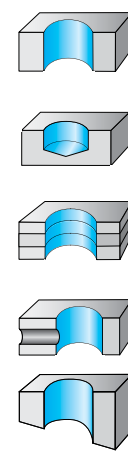
WALTER SELECT

●● Primary application ● Other application

B1

## Solid carbide drills without internal coolant

B1

		
Drilling depth	$3 \times D_C$	$3 \times D_C$



Designation	DC150 Perform	DC150 Perform	DC150 Perform	A1166TIN	A1166
Additional services					
Standard	DIN 6537 K	DIN 6537 K	DIN 6539	Walter	Walter
Coating / grade	WJ30RE	WJ30RE	WJ30RE	TIN	uncoated
Shank	DIN 6535 HA	DIN 6535 HE, turned 180° DIN 6535 HB	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range [mm]	3–20	3–20	1,5–2,9	3–14	3–18
<b>P</b> Steel	●●	●●	●●	●	●
<b>M</b> Stainless steel	●	●	●		
<b>K</b> Cast iron	●●	●●	●●		
<b>N</b> NF metals	●	●	●		●
<b>S</b> Materials with difficult cutting properties	●	●	●		●
<b>H</b> Hard materials	●	●	●	●	●
<b>O</b> Other	●	●	●		

Page in catalogue

QR code



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DC150

DC150

DC150

A1166TIN

A1166

**WALTER SELECT**

●● Primary application ● Other application

## Solid carbide drills without internal coolant

Drilling depth	3 x D <sub>C</sub>	5 x D <sub>C</sub>	5 x D <sub>C</sub>



Designation	A1163	DC160 Advance X-treme Evo	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme
Additional services					
Standard	DIN 6539	DIN 6537 L	DIN 6537 L	DIN 6537 L	Walter
Coating / grade	uncoated	WJ30ET	WJ30ET	WJ30TA	WJ30EL
Shank	Cylindrical shank	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	1–12	3–25	3–25	3–20	0,5–2,95
<b>P</b> Steel		●●	●●	●●	●●
<b>M</b> Stainless steel				●	
<b>K</b> Cast iron	●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●	●	●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials		●	●	●	●
<b>O</b> Other	●●	●	●	●	●

Page in catalogue

QR code



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A1163

DC160

DC160

DC150

DB133

WALTER SELECT

●● Primary application ● Other application

B1

## Solid carbide drills without internal coolant

B1

Drilling depth	5 x D <sub>C</sub>	5 x D <sub>C</sub>		8 x D <sub>C</sub>	



Designation	DB130 Advance	A3367 BSX	DB133 Supreme	A1276TFL Alpha® 22	A1263
Additional services					
Standard	DIN 1899	DIN 6537 L	Walter	DIN 338	DIN 338
Coating / grade	WJ30UU	uncoated	WJ30ER	TFL	uncoated
Shank	Cylindrical shank	DIN 6535 HA	DIN 6535 HA	Cylindrical shank	Cylindrical shank
Diameter range [mm]	0,1–1,45	3–16	0,5–2,95	3–10,2	0,6–12
<b>P</b> Steel	●●		●●	●●	
<b>M</b> Stainless steel	●●				
<b>K</b> Cast iron	●●	●●	●●	●●	●
<b>N</b> NF metals	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●	●	●	●
<b>H</b> Hard materials			●		
<b>O</b> Other	●●	●	●		●●

Page in catalogue

QR code



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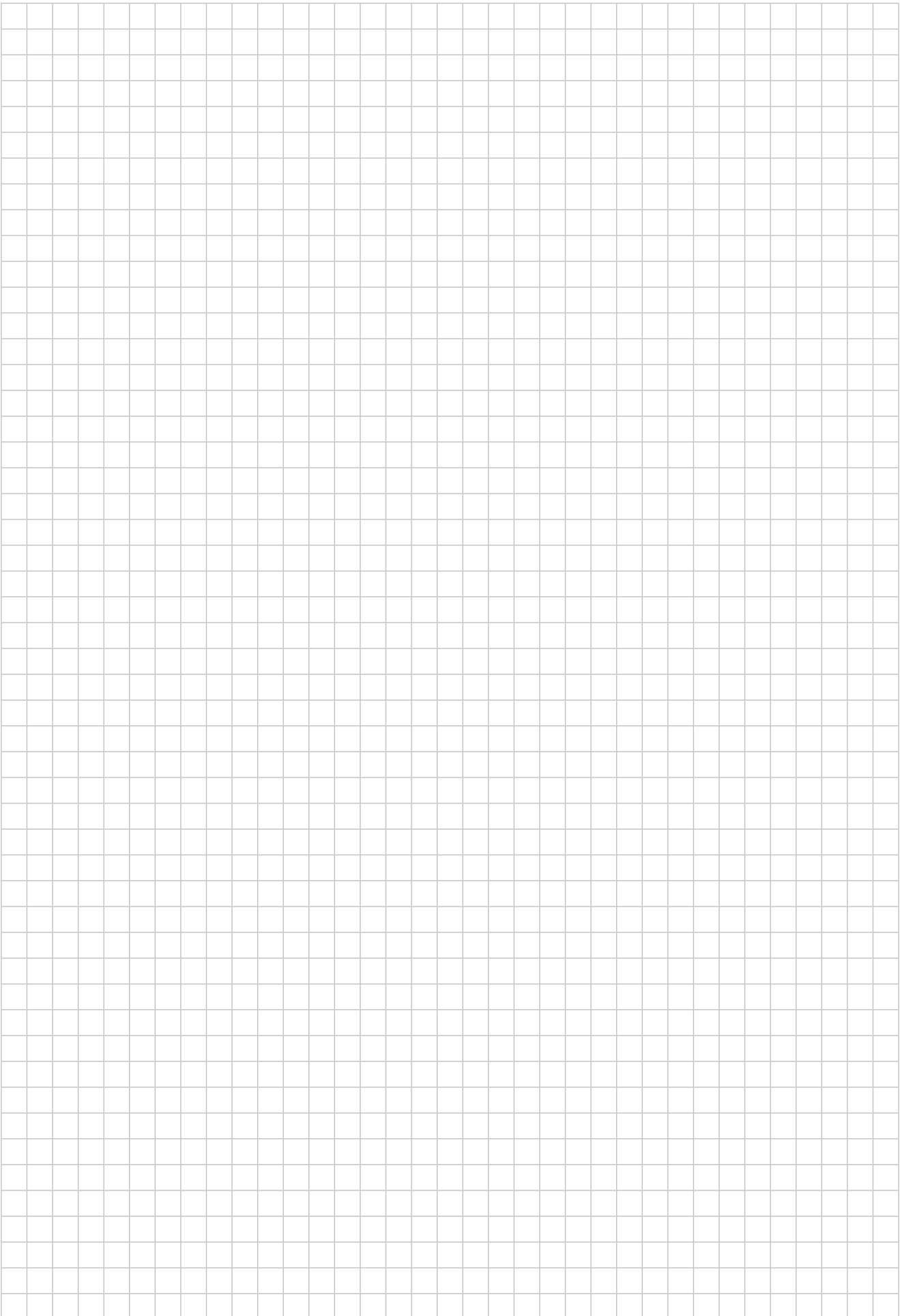
DB130

A3367

DB133

A1276TFL

A1263



B1

# Solid carbide drills with coolant-through

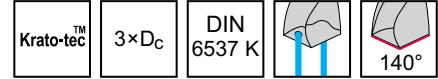
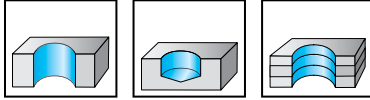
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec™



– with innovative Krato-tec™ multilayer coating



	P	M	K	N	S	H	O
WJ30EZ	●●	●●	●●	●●	●●	●●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EZ
<p>DIN 6535 HA</p>	DC180-03-03.000A1-	3		14	62	20	36	6	☹
	DC180-03-03.100A1-	3,1		14	62	20	36	6	☹
	DC180-03-03.175A1-	3,175	1/8"	14	62	20	36	6	☹
	DC180-03-03.200A1-	3,2		14	62	20	36	6	☹
	DC180-03-03.300A1-	3,3		14	62	20	36	6	☹
	DC180-03-03.400A1-	3,4		14	62	20	36	6	☹
	DC180-03-03.500A1-	3,5		14	62	20	36	6	☹
	DC180-03-03.572A1-	3,572	9/64"	14	62	20	36	6	☹
	DC180-03-03.600A1-	3,6		14	62	20	36	6	☹
	DC180-03-03.700A1-	3,7		14	62	20	36	6	☹
	DC180-03-03.800A1-	3,8		17	66	24	36	6	☹
	DC180-03-03.900A1-	3,9		17	66	24	36	6	☹
	DC180-03-03.969A1-	3,969	5/32"	17	66	24	36	6	☹
	DC180-03-04.000A1-	4		17	66	24	36	6	☹
	DC180-03-04.100A1-	4,1		17	66	24	36	6	☹
	DC180-03-04.200A1-	4,2		17	66	24	36	6	☹
	DC180-03-04.300A1-	4,3		17	66	24	36	6	☹
	DC180-03-04.366A1-	4,366	11/64"	17	66	24	36	6	☹
	DC180-03-04.400A1-	4,4		17	66	24	36	6	☹
	DC180-03-04.500A1-	4,5		17	66	24	36	6	☹
	DC180-03-04.600A1-	4,6		17	66	24	36	6	☹
	DC180-03-04.650A1-	4,65		17	66	24	36	6	☹
	DC180-03-04.700A1-	4,7		17	66	24	36	6	☹
	DC180-03-04.763A1-	4,763	3/16"	20	66	28	36	6	☹
	DC180-03-04.800A1-	4,8		20	66	28	36	6	☹
	DC180-03-04.900A1-	4,9		20	66	28	36	6	☹
	DC180-03-05.000A1-	5		20	66	28	36	6	☹
	DC180-03-05.100A1-	5,1		20	66	28	36	6	☹
	DC180-03-05.159A1-	5,159	13/64"	20	66	28	36	6	☹
	DC180-03-05.200A1-	5,2		20	66	28	36	6	☹
	DC180-03-05.300A1-	5,3		20	66	28	36	6	☹
	DC180-03-05.400A1-	5,4		20	66	28	36	6	☹
DC180-03-05.500A1-	5,5		20	66	28	36	6	☹	
DC180-03-05.550A1-	5,55		20	66	28	36	6	☹	
DC180-03-05.556A1-	5,556	7/32"	20	66	28	36	6	☹	
DC180-03-05.600A1-	5,6		20	66	28	36	6	☹	

Ordering example for the grade WJ30EZ: DC180-03-03.000A1-WJ30EZ

**WALTER  
SELECT**

●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions



Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EZ
<p>DIN 6535 HA</p>	DC180-03-05.700A1-	5,7		20	66	28	36	6	☺
	DC180-03-05.800A1-	5,8		20	66	28	36	6	☺
	DC180-03-05.900A1-	5,9		20	66	28	36	6	☺
	DC180-03-05.953A1-	5,953	15/64"	20	66	28	36	6	☺
	DC180-03-06.000A1-	6		20	66	28	36	6	☺
	DC180-03-06.100A1-	6,1		24	79	34	36	8	☺
	DC180-03-06.200A1-	6,2		24	79	34	36	8	☺
	DC180-03-06.300A1-	6,3		24	79	34	36	8	☺
	DC180-03-06.350A1-	6,350	1/4"	24	79	34	36	8	☺
	DC180-03-06.400A1-	6,4		24	79	34	36	8	☺
	DC180-03-06.500A1-	6,5		24	79	34	36	8	☺
	DC180-03-06.600A1-	6,6		24	79	34	36	8	☺
	DC180-03-06.700A1-	6,7		24	79	34	36	8	☺
	DC180-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☺
	DC180-03-06.800A1-	6,8		24	79	34	36	8	☺
	DC180-03-06.900A1-	6,9		24	79	34	36	8	☺
	DC180-03-07.000A1-	7		24	79	34	36	8	☺
	DC180-03-07.100A1-	7,1		29	79	41	36	8	☺
	DC180-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☺
	DC180-03-07.200A1-	7,2		29	79	41	36	8	☺
	DC180-03-07.300A1-	7,3		29	79	41	36	8	☺
	DC180-03-07.400A1-	7,4		29	79	41	36	8	☺
	DC180-03-07.500A1-	7,5		29	79	41	36	8	☺
	DC180-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☺
	DC180-03-07.800A1-	7,8		29	79	41	36	8	☺
	DC180-03-07.900A1-	7,9		29	79	41	36	8	☺
	DC180-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☺
	DC180-03-08.000A1-	8		29	79	41	36	8	☺
	DC180-03-08.100A1-	8,1		35	89	47	40	10	☺
	DC180-03-08.200A1-	8,2		35	89	47	40	10	☺
	DC180-03-08.300A1-	8,3		35	89	47	40	10	☺
	DC180-03-08.334A1-	8,334	21/64"	35	89	47	40	10	☺
	DC180-03-08.400A1-	8,4		35	89	47	40	10	☺
DC180-03-08.500A1-	8,5		35	89	47	40	10	☺	
DC180-03-08.600A1-	8,6		35	89	47	40	10	☺	
DC180-03-08.700A1-	8,7		35	89	47	40	10	☺	
DC180-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☺	
DC180-03-08.800A1-	8,8		35	89	47	40	10	☺	
DC180-03-09.000A1-	9		35	89	47	40	10	☺	
DC180-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☺	
DC180-03-09.200A1-	9,2		35	89	47	40	10	☺	
DC180-03-09.300A1-	9,3		35	89	47	40	10	☺	
DC180-03-09.500A1-	9,5		35	89	47	40	10	☺	
DC180-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☺	
DC180-03-09.600A1-	9,6		35	89	47	40	10	☺	
DC180-03-09.700A1-	9,7		35	89	47	40	10	☺	

Ordering example for the grade WJ30EZ: DC180-03-03.000A1-WJ30EZ

**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30EZ
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC180-03-09.800A1-	9,8		35	89	47	40	10	☹
	DC180-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☹
	DC180-03-10.000A1-	10		35	89	47	40	10	☹
	DC180-03-10.100A1-	10,1		40	102	55	45	12	☹
	DC180-03-10.200A1-	10,2		40	102	55	45	12	☹
	DC180-03-10.300A1-	10,3		40	102	55	45	12	☹
	DC180-03-10.319A1-	10,319	13/32"	40	102	55	45	12	☹
	DC180-03-10.400A1-	10,4		40	102	55	45	12	☹
	DC180-03-10.500A1-	10,5		40	102	55	45	12	☹
	DC180-03-10.716A1-	10,716	27/64"	40	102	55	45	12	☹
	DC180-03-10.800A1-	10,8		40	102	55	45	12	☹
	DC180-03-11.000A1-	11		40	102	55	45	12	☹
	DC180-03-11.100A1-	11,1		40	102	55	45	12	☹
	DC180-03-11.113A1-	11,113	7/16"	40	102	55	45	12	☹
	DC180-03-11.200A1-	11,2		40	102	55	45	12	☹
	DC180-03-11.500A1-	11,5		40	102	55	45	12	☹
	DC180-03-11.509A1-	11,509	29/64"	40	102	55	45	12	☹
	DC180-03-11.700A1-	11,7		40	102	55	45	12	☹
	DC180-03-11.800A1-	11,8		40	102	55	45	12	☹
	DC180-03-11.906A1-	11,906	15/32"	40	102	55	45	12	☹
DC180-03-12.000A1-	12		40	102	55	45	12	☹	
DC180-03-12.100A1-	12,1		43	107	60	45	14	☹	
DC180-03-12.200A1-	12,2		43	107	60	45	14	☹	
DC180-03-12.300A1-	12,3		43	107	60	45	14	☹	
DC180-03-12.303A1-	12,303	31/64"	43	107	60	45	14	☹	
DC180-03-12.500A1-	12,5		43	107	60	45	14	☹	
DC180-03-12.600A1-	12,6		43	107	60	45	14	☹	
DC180-03-12.700A1-	12,700	1/2"	43	107	60	45	14	☹	
DC180-03-13.000A1-	13		43	107	60	45	14	☹	
DC180-03-13.300A1-	13,3		43	107	60	45	14	☹	
DC180-03-13.494A1-	13,494	17/32"	43	107	60	45	14	☹	
DC180-03-13.500A1-	13,5		43	107	60	45	14	☹	
DC180-03-14.000A1-	14		43	107	60	45	14	☹	
DC180-03-14.288A1-	14,288	9/16"	45	115	65	48	16	☹	
DC180-03-14.500A1-	14,5		45	115	65	48	16	☹	
DC180-03-15.000A1-	15		45	115	65	48	16	☹	
DC180-03-15.500A1-	15,5		45	115	65	48	16	☹	
DC180-03-15.875A1-	15,875	5/8"	45	115	65	48	16	☹	
DC180-03-16.000A1-	16		45	115	65	48	16	☹	
DC180-03-16.500A1-	16,5		51	123	73	48	18	☹	
DC180-03-17.000A1-	17		51	123	73	48	18	☹	
DC180-03-17.500A1-	17,5		51	123	73	48	18	☹	
DC180-03-18.000A1-	18		51	123	73	48	18	☹	
DC180-03-19.050A1-	19,050	3/4"	55	131	79	50	20	☹	
DC180-03-20.000A1-	20		55	131	79	50	20	☹	

Ordering example for the grade WJ30EZ: DC180-03-03.000A1-WJ30EZ

# Solid carbide twist drill 3 flutes

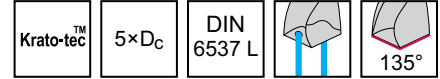
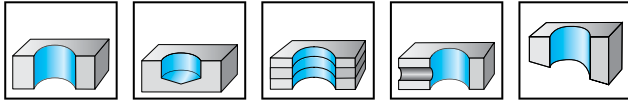
## DC183 Supreme

### X-treme Evo 3

Powered by Krato-tec™



– with innovative Krato-tec™ multilayer coating



	P	M	K	N	S	H	O
WJ30EZ	●●	●	●●	●●	●		

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EZ
<p>DIN 6535 HA</p>	DC183-05-03.000A1-	3		19	66	24	36	6	☺
	DC183-05-03.175A1-	3,175	1/8"	19	66	24	36	6	☺
	DC183-05-03.300A1-	3,3		19	66	24	36	6	☺
	DC183-05-03.500A1-	3,5		19	66	24	36	6	☺
	DC183-05-03.700A1-	3,7		19	66	24	36	6	☺
	DC183-05-03.900A1-	3,9		29	74	36	36	6	☺
	DC183-05-04.000A1-	4		29	74	36	36	6	☺
	DC183-05-04.100A1-	4,1		29	74	36	36	6	☺
	DC183-05-04.200A1-	4,2		29	74	36	36	6	☺
	DC183-05-04.300A1-	4,3		29	74	36	36	6	☺
	DC183-05-04.366A1-	4,366	11/64"	29	74	36	36	6	☺
	DC183-05-04.500A1-	4,5		29	74	36	36	6	☺
	DC183-05-04.763A1-	4,763	3/16"	35	82	44	36	6	☺
	DC183-05-04.800A1-	4,8		35	82	44	36	6	☺
	DC183-05-05.000A1-	5		35	82	44	36	6	☺
	DC183-05-05.100A1-	5,1		35	82	44	36	6	☺
	DC183-05-05.200A1-	5,2		35	82	44	36	6	☺
	DC183-05-05.500A1-	5,5		35	82	44	36	6	☺
	DC183-05-05.550A1-	5,5		35	82	44	36	6	☺
	DC183-05-05.556A1-	5,556	7/32"	35	82	44	36	6	☺
	DC183-05-05.800A1-	5,8		35	82	44	36	6	☺
	DC183-05-06.000A1-	6		35	82	44	36	6	☺
	DC183-05-06.100A1-	6,1		43	91	53	36	8	☺
	DC183-05-06.200A1-	6,2		43	91	53	36	8	☺
	DC183-05-06.350A1-	6,35	1/4"	43	91	53	36	8	☺
	DC183-05-06.500A1-	6,5		43	91	53	36	8	☺
	DC183-05-06.700A1-	6,7		43	91	53	36	8	☺
	DC183-05-06.747A1-	6,747	17/64"	43	91	53	36	8	☺
	DC183-05-06.800A1-	6,8		43	91	53	36	8	☺
	DC183-05-07.000A1-	7		43	91	53	36	8	☺
	DC183-05-07.144A1-	7,144	9/32"	43	91	53	36	8	☺
	DC183-05-07.400A1-	7,4		43	91	53	36	8	☺
	DC183-05-07.500A1-	7,5		43	91	53	36	8	☺
DC183-05-07.541A1-	7,541	19/64"	43	91	53	36	8	☺	
DC183-05-07.800A1-	7,8		43	91	53	36	8	☺	
DC183-05-07.938A1-	7,938	5/16"	43	91	53	36	8	☺	

Ordering example for the grade WJ30EZ: DC183-05-03.000A1-WJ30EZ

**WALTER SELECT**

●● Primary application ● Other application

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30EZ
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC183-05-08.000A1-	8		43	91	53	36	8	☹
	DC183-05-08.100A1-	8,1		49	103	61	40	10	☹
	DC183-05-08.500A1-	8,5		49	103	61	40	10	☹
	DC183-05-08.600A1-	8,6		49	103	61	40	10	☹
	DC183-05-08.700A1-	8,7		49	103	61	40	10	☹
	DC183-05-08.731A1-	8,731	11/32"	49	103	61	40	10	☹
	DC183-05-08.800A1-	8,8		49	103	61	40	10	☹
	DC183-05-09.000A1-	9		49	103	61	40	10	☹
	DC183-05-09.100A1-	9,1		49	103	61	40	10	☹
	DC183-05-09.128A1-	9,128	23/64"	49	103	61	40	10	☹
	DC183-05-09.300A1-	9,3		49	103	61	40	10	☹
	DC183-05-09.500A1-	9,5		49	103	61	40	10	☹
	DC183-05-09.525A1-	9,525	3/8"	49	103	61	40	10	☹
	DC183-05-09.800A1-	9,8		49	103	61	40	10	☹
	DC183-05-09.922A1-	9,922	25/64"	49	103	61	40	10	☹
	DC183-05-10.000A1-	10		49	103	61	40	10	☹
	DC183-05-10.100A1-	10,1		56	118	71	45	12	☹
	DC183-05-10.200A1-	10,2		56	118	71	45	12	☹
	DC183-05-10.300A1-	10,3		56	118	71	45	12	☹
	DC183-05-10.319A1-	10,319	13/32"	56	118	71	45	12	☹
	DC183-05-10.500A1-	10,5		56	118	71	45	12	☹
	DC183-05-10.716A1-	10,716	27/64"	56	118	71	45	12	☹
	DC183-05-10.800A1-	10,8		56	118	71	45	12	☹
	DC183-05-11.000A1-	11		56	118	71	45	12	☹
	DC183-05-11.100A1-	11,1		56	118	71	45	12	☹
	DC183-05-11.113A1-	11,113	7/16"	56	118	71	45	12	☹
	DC183-05-11.200A1-	11,2		56	118	71	45	12	☹
	DC183-05-11.500A1-	11,5		56	118	71	45	12	☹
	DC183-05-11.509A1-	11,509	29/64"	56	118	71	45	12	☹
	DC183-05-11.800A1-	11,8		56	118	71	45	12	☹
	DC183-05-11.906A1-	11,906	15/32"	56	118	71	45	12	☹
	DC183-05-12.000A1-	12		56	118	71	45	12	☹
	DC183-05-12.100A1-	12,1		60	124	77	45	14	☹
	DC183-05-12.303A1-	12,303	31/64"	60	124	77	45	14	☹
DC183-05-12.500A1-	12,5		60	124	77	45	14	☹	
DC183-05-12.700A1-	12,7	1/2"	60	124	77	45	14	☹	
DC183-05-13.000A1-	13		60	124	77	45	14	☹	
DC183-05-13.100A1-	13,1		60	124	77	45	14	☹	
DC183-05-13.494A1-	13,494	17/32"	60	124	77	45	14	☹	
DC183-05-13.500A1-	13,5		60	124	77	45	14	☹	
DC183-05-13.800A1-	13,8		60	124	77	45	14	☹	
DC183-05-14.000A1-	14		60	124	77	45	14	☹	
DC183-05-14.288A1-	14,288	9/16"	63	133	83	48	16	☹	
DC183-05-14.500A1-	14,5		63	133	83	48	16	☹	
DC183-05-15.000A1-	15		63	133	83	48	16	☹	
DC183-05-15.100A1-	15,1		63	133	83	48	16	☹	

Ordering example for the grade WJ30EZ: DC183-05-03.000A1-WJ30EZ

**WALTER  
SELECT**

 ●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹☹ machining conditions

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EZ
<p>DIN 6535 HA</p>	DC183-05-15.300A1-	15,3		63	133	83	48	16	☺
	DC183-05-15.500A1-	15,5		63	133	83	48	16	☺
	DC183-05-15.800A1-	15,8		63	133	83	48	16	☺
	DC183-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☺
	DC183-05-16.000A1-	16		63	133	83	48	16	☺

Ordering example for the grade WJ30EZ: DC183-05-03.000A1-WJ30EZ

B1

**WALTER  
SELECT**

●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

# Solid carbide drills with coolant-through

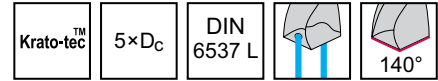
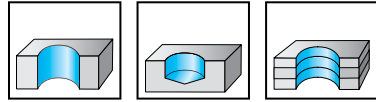
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec™



– with innovative Krato-tec™ multilayer coating



	P	M	K	N	S	H	O
WJ30EZ	●●	●●	●●	●●	●●	●●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EZ
<p>DIN 6535 HA</p>	DC180-05-03.000A1-	3		19	66	24	36	6	☹
	DC180-05-03.100A1-	3,1		19	66	24	36	6	☹
	DC180-05-03.175A1-	3,175	1/8"	19	66	24	36	6	☹
	DC180-05-03.200A1-	3,2		19	66	24	36	6	☹
	DC180-05-03.250A1-	3,25		19	66	24	36	6	☹
	DC180-05-03.300A1-	3,3		19	66	24	36	6	☹
	DC180-05-03.400A1-	3,4		19	66	24	36	6	☹
	DC180-05-03.500A1-	3,5		19	66	24	36	6	☹
	DC180-05-03.572A1-	3,572	9/64"	19	66	24	36	6	☹
	DC180-05-03.600A1-	3,6		19	66	24	36	6	☹
	DC180-05-03.700A1-	3,7		19	66	24	36	6	☹
	DC180-05-03.800A1-	3,8		29	74	36	36	6	☹
	DC180-05-03.900A1-	3,9		29	74	36	36	6	☹
	DC180-05-03.969A1-	3,969	5/32"	29	74	36	36	6	☹
	DC180-05-04.000A1-	4		29	74	36	36	6	☹
	DC180-05-04.100A1-	4,1		29	74	36	36	6	☹
	DC180-05-04.200A1-	4,2		29	74	36	36	6	☹
	DC180-05-04.300A1-	4,3		29	74	36	36	6	☹
	DC180-05-04.366A1-	4,366	11/64"	29	74	36	36	6	☹
	DC180-05-04.400A1-	4,4		29	74	36	36	6	☹
	DC180-05-04.500A1-	4,5		29	74	36	36	6	☹
	DC180-05-04.600A1-	4,6		29	74	36	36	6	☹
	DC180-05-04.650A1-	4,65		29	74	36	36	6	☹
	DC180-05-04.700A1-	4,7		29	74	36	36	6	☹
	DC180-05-04.763A1-	4,763	3/16"	35	82	44	36	6	☹
	DC180-05-04.800A1-	4,8		35	82	44	36	6	☹
	DC180-05-04.900A1-	4,9		35	82	44	36	6	☹
	DC180-05-05.000A1-	5		35	82	44	36	6	☹
	DC180-05-05.100A1-	5,1		35	82	44	36	6	☹
	DC180-05-05.159A1-	5,159	13/64"	35	82	44	36	6	☹
DC180-05-05.200A1-	5,2		35	82	44	36	6	☹	
DC180-05-05.300A1-	5,3		35	82	44	36	6	☹	
DC180-05-05.400A1-	5,4		35	82	44	36	6	☹	
DC180-05-05.500A1-	5,5		35	82	44	36	6	☹	
DC180-05-05.550A1-	5,55		35	82	44	36	6	☹	
DC180-05-05.556A1-	5,556	7/32"	35	82	44	36	6	☹	

Ordering example for the grade WJ30EZ: DC180-05-03.000A1-WJ30EZ

●● Primary application   ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EZ
<p>DIN 6535 HA</p>	DC180-05-05.600A1-	5,6		35	82	44	36	6	☺
	DC180-05-05.700A1-	5,7		35	82	44	36	6	☺
	DC180-05-05.800A1-	5,8		35	82	44	36	6	☺
	DC180-05-05.900A1-	5,9		35	82	44	36	6	☺
	DC180-05-05.953A1-	5,953	15/64"	35	82	44	36	6	☺
	DC180-05-06.000A1-	6		35	82	44	36	6	☺
	DC180-05-06.100A1-	6,1		43	91	53	36	8	☺
	DC180-05-06.200A1-	6,2		43	91	53	36	8	☺
	DC180-05-06.300A1-	6,3		43	91	53	36	8	☺
	DC180-05-06.350A1-	6,350	1/4"	43	91	53	36	8	☺
	DC180-05-06.400A1-	6,4		43	91	53	36	8	☺
	DC180-05-06.500A1-	6,5		43	91	53	36	8	☺
	DC180-05-06.600A1-	6,6		43	91	53	36	8	☺
	DC180-05-06.700A1-	6,7		43	91	53	36	8	☺
	DC180-05-06.747A1-	6,747	17/64"	43	91	53	36	8	☺
	DC180-05-06.800A1-	6,8		43	91	53	36	8	☺
	DC180-05-06.900A1-	6,9		43	91	53	36	8	☺
	DC180-05-07.000A1-	7		43	91	53	36	8	☺
	DC180-05-07.100A1-	7,1		43	91	53	36	8	☺
	DC180-05-07.144A1-	7,144	9/32"	43	91	53	36	8	☺
	DC180-05-07.200A1-	7,2		43	91	53	36	8	☺
	DC180-05-07.300A1-	7,3		43	91	53	36	8	☺
	DC180-05-07.400A1-	7,4		43	91	53	36	8	☺
	DC180-05-07.500A1-	7,5		43	91	53	36	8	☺
	DC180-05-07.541A1-	7,541	19/64"	43	91	53	36	8	☺
	DC180-05-07.800A1-	7,8		43	91	53	36	8	☺
	DC180-05-07.900A1-	7,9		43	91	53	36	8	☺
	DC180-05-07.938A1-	7,938	5/16"	43	91	53	36	8	☺
	DC180-05-08.000A1-	8		43	91	53	36	8	☺
	DC180-05-08.100A1-	8,1		49	103	61	40	10	☺
	DC180-05-08.200A1-	8,2		49	103	61	40	10	☺
	DC180-05-08.300A1-	8,3		49	103	61	40	10	☺
	DC180-05-08.334A1-	8,334	21/64"	49	103	61	40	10	☺
	DC180-05-08.400A1-	8,4		49	103	61	40	10	☺
	DC180-05-08.500A1-	8,5		49	103	61	40	10	☺
DC180-05-08.600A1-	8,6		49	103	61	40	10	☺	
DC180-05-08.700A1-	8,7		49	103	61	40	10	☺	
DC180-05-08.731A1-	8,731	11/32"	49	103	61	40	10	☺	
DC180-05-08.750A1-	8,75		49	103	61	40	10	☺	
DC180-05-08.800A1-	8,8		49	103	61	40	10	☺	
DC180-05-09.000A1-	9		49	103	61	40	10	☺	
DC180-05-09.128A1-	9,128	23/64"	49	103	61	40	10	☺	
DC180-05-09.200A1-	9,2		49	103	61	40	10	☺	
DC180-05-09.300A1-	9,3		49	103	61	40	10	☺	
DC180-05-09.500A1-	9,5		49	103	61	40	10	☺	
DC180-05-09.525A1-	9,525	3/8"	49	103	61	40	10	☺	

Ordering example for the grade WJ30EZ: DC180-05-03.000A1-WJ30EZ

**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30EZ
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC180-05-09.600A1-	9,6		49	103	61	40	10	☹
	DC180-05-09.700A1-	9,7		49	103	61	40	10	☹
	DC180-05-09.800A1-	9,8		49	103	61	40	10	☹
	DC180-05-09.900A1-	9,9		49	103	61	40	10	☹
	DC180-05-09.922A1-	9,922	25/64"	49	103	61	40	10	☹
	DC180-05-10.000A1-	10		49	103	61	40	10	☹
	DC180-05-10.100A1-	10,1		56	118	71	45	12	☹
	DC180-05-10.200A1-	10,2		56	118	71	45	12	☹
	DC180-05-10.300A1-	10,3		56	118	71	45	12	☹
	DC180-05-10.319A1-	10,319	13/32"	56	118	71	45	12	☹
	DC180-05-10.400A1-	10,4		56	118	71	45	12	☹
	DC180-05-10.500A1-	10,5		56	118	71	45	12	☹
	DC180-05-10.716A1-	10,716	27/64"	56	118	71	45	12	☹
	DC180-05-10.800A1-	10,8		56	118	71	45	12	☹
	DC180-05-11.000A1-	11		56	118	71	45	12	☹
	DC180-05-11.100A1-	11,1		56	118	71	45	12	☹
	DC180-05-11.113A1-	11,113	7/16"	56	118	71	45	12	☹
	DC180-05-11.200A1-	11,2		56	118	71	45	12	☹
	DC180-05-11.300A1-	11,3		56	118	71	45	12	☹
	DC180-05-11.400A1-	11,4		56	118	71	45	12	☹
	DC180-05-11.500A1-	11,5		56	118	71	45	12	☹
	DC180-05-11.509A1-	11,509	29/64"	56	118	71	45	12	☹
	DC180-05-11.700A1-	11,7		56	118	71	45	12	☹
	DC180-05-11.800A1-	11,8		56	118	71	45	12	☹
	DC180-05-11.906A1-	11,906	15/32"	56	118	71	45	12	☹
	DC180-05-12.000A1-	12		56	118	71	45	12	☹
	DC180-05-12.100A1-	12,1		60	124	77	45	14	☹
	DC180-05-12.200A1-	12,2		60	124	77	45	14	☹
	DC180-05-12.300A1-	12,3		60	124	77	45	14	☹
	DC180-05-12.303A1-	12,303	31/64"	60	124	77	45	14	☹
	DC180-05-12.500A1-	12,5		60	124	77	45	14	☹
	DC180-05-12.600A1-	12,6		60	124	77	45	14	☹
	DC180-05-12.700A1-	12,700	1/2"	60	124	77	45	14	☹
	DC180-05-13.000A1-	13		60	124	77	45	14	☹
DC180-05-13.100A1-	13,1		60	124	77	45	14	☹	
DC180-05-13.300A1-	13,3		60	124	77	45	14	☹	
DC180-05-13.494A1-	13,494	17/32"	60	124	77	45	14	☹	
DC180-05-13.500A1-	13,5		60	124	77	45	14	☹	
DC180-05-14.000A1-	14		60	124	77	45	14	☹	
DC180-05-14.288A1-	14,288	9/16"	63	133	83	48	16	☹	
DC180-05-14.500A1-	14,5		63	133	83	48	16	☹	
DC180-05-15.000A1-	15		63	133	83	48	16	☹	
DC180-05-15.100A1-	15,1		63	133	83	48	16	☹	
DC180-05-15.300A1-	15,3		63	133	83	48	16	☹	
DC180-05-15.500A1-	15,5		63	133	83	48	16	☹	
DC180-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☹	

Ordering example for the grade WJ30EZ: DC180-05-03.000A1-WJ30EZ



Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EZ
<p>DIN 6535 HA</p>	DC180-05-16.000A1-	16		63	133	83	48	16	☺
	DC180-05-16.500A1-	16,5		71	143	93	48	18	☺
	DC180-05-17.000A1-	17		71	143	93	48	18	☺
	DC180-05-17.500A1-	17,5		71	143	93	48	18	☺
	DC180-05-18.000A1-	18		71	143	93	48	18	☺
	DC180-05-18.500A1-	18,5		77	153	101	50	20	☺
	DC180-05-19.000A1-	19		77	153	101	50	20	☺
	DC180-05-19.050A1-	19,050	3/4"	77	153	101	50	20	☺
	DC180-05-20.000A1-	20		77	153	101	50	20	☺

Ordering example for the grade WJ30EZ: DC180-05-03.000A1-WJ30EZ

B1

**WALTER SELECT**

 ●● Primary application   ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

# Solid carbide twist drill 3 flutes

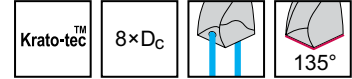
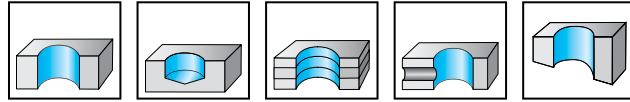
## DC183 Supreme

### X-treme Evo 3

Powered by Krato-tec™



– with innovative Krato-tec™ multilayer coating



WJ30EY

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EY
<p>DIN 6535 HA</p>	DC183-08-03.000A1-	3		28	74	34	36	6	☺
	DC183-08-03.300A1-	3,3		28	74	34	36	6	☺
	DC183-08-03.500A1-	3,5		28	74	34	36	6	☺
	DC183-08-04.000A1-	4		37	85	45	36	6	☺
	DC183-08-04.200A1-	4,2		37	85	45	36	6	☺
	DC183-08-04.500A1-	4,5		37	85	45	36	6	☺
	DC183-08-04.763A1-	4,763	3/16"	48	97	57	36	6	☺
	DC183-08-05.000A1-	5		48	97	57	36	6	☺
	DC183-08-05.100A1-	5,1		48	97	57	36	6	☺
	DC183-08-05.500A1-	5,5		48	97	57	36	6	☺
	DC183-08-05.800A1-	5,8		48	97	57	36	6	☺
	DC183-08-06.000A1-	6		48	97	57	36	6	☺
	DC183-08-06.350A1-	6,35	1/4"	55	106	66	36	8	☺
	DC183-08-06.500A1-	6,5		55	106	66	36	8	☺
	DC183-08-06.800A1-	6,8		55	106	66	36	8	☺
	DC183-08-07.000A1-	7		55	106	66	36	8	☺
	DC183-08-07.800A1-	7,8		64	116	76	36	8	☺
	DC183-08-08.000A1-	8		64	116	76	36	8	☺
	DC183-08-08.500A1-	8,5		80	139	95	40	10	☺
	DC183-08-09.000A1-	9		80	139	95	40	10	☺
	DC183-08-09.800A1-	9,8		80	139	95	40	10	☺
	DC183-08-10.000A1-	10		80	139	95	40	10	☺
	DC183-08-10.500A1-	10,5		96	163	114	45	12	☺
	DC183-08-11.000A1-	11		96	163	114	45	12	☺
	DC183-08-11.113A1-	11,113	7/16"	96	163	114	45	12	☺
	DC183-08-12.000A1-	12		96	163	114	45	12	☺
	DC183-08-12.700A1-	12,7	1/2"	119	182	133	45	14	☺
	DC183-08-13.000A1-	13		119	182	133	45	14	☺
	DC183-08-13.500A1-	13,5		119	182	133	45	14	☺
	DC183-08-14.000A1-	14		119	182	133	45	14	☺
	DC183-08-15.000A1-	15		136	204	152	48	16	☺
	DC183-08-16.000A1-	16		136	204	152	48	16	☺

Ordering example for the grade WJ30EY: DC183-08-03.000A1-WJ30EY

WALTER  
SELECT

●● Primary application ● Other application  
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹☹ machining conditions

# Solid carbide drills with coolant-through

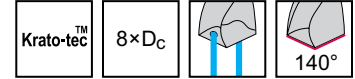
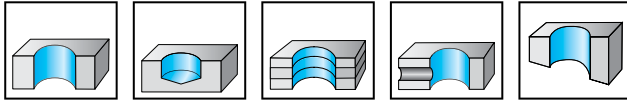
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec™



– with innovative Krato-tec™ multilayer coating



WJ30EY	P	M	K	N	S	H	O
	●●	●●	●●	●●	●●	●●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EY
<p>DIN 6535 HA</p>	DC180-08-03.000A1-	3		28	74	34	36	6	☺
	DC180-08-03.100A1-	3,1		28	74	34	36	6	☺
	DC180-08-03.175A1-	3,175	1/8"	28	74	34	36	6	☺
	DC180-08-03.200A1-	3,2		28	74	34	36	6	☺
	DC180-08-03.300A1-	3,3		28	74	34	36	6	☺
	DC180-08-03.400A1-	3,4		28	74	34	36	6	☺
	DC180-08-03.500A1-	3,5		28	74	34	36	6	☺
	DC180-08-03.572A1-	3,572	9/64"	28	74	34	36	6	☺
	DC180-08-03.600A1-	3,6		28	74	34	36	6	☺
	DC180-08-03.700A1-	3,7		28	74	34	36	6	☺
	DC180-08-03.800A1-	3,8		37	85	45	36	6	☺
	DC180-08-03.900A1-	3,9		37	85	45	36	6	☺
	DC180-08-03.969A1-	3,969	5/32"	37	85	45	36	6	☺
	DC180-08-04.000A1-	4		37	85	45	36	6	☺
	DC180-08-04.100A1-	4,1		37	85	45	36	6	☺
	DC180-08-04.200A1-	4,2		37	85	45	36	6	☺
	DC180-08-04.300A1-	4,3		37	85	45	36	6	☺
	DC180-08-04.366A1-	4,366	11/64"	37	85	45	36	6	☺
	DC180-08-04.400A1-	4,4		37	85	45	36	6	☺
	DC180-08-04.500A1-	4,5		37	85	45	36	6	☺
	DC180-08-04.600A1-	4,6		37	85	45	36	6	☺
	DC180-08-04.700A1-	4,7		37	85	45	36	6	☺
	DC180-08-04.763A1-	4,763	3/16"	48	97	57	36	6	☺
	DC180-08-04.800A1-	4,8		48	97	57	36	6	☺
	DC180-08-04.900A1-	4,9		48	97	57	36	6	☺
	DC180-08-05.000A1-	5		48	97	57	36	6	☺
	DC180-08-05.100A1-	5,1		48	97	57	36	6	☺
	DC180-08-05.159A1-	5,159	13/64"	48	97	57	36	6	☺
	DC180-08-05.200A1-	5,2		48	97	57	36	6	☺
	DC180-08-05.300A1-	5,3		48	97	57	36	6	☺
	DC180-08-05.400A1-	5,4		48	97	57	36	6	☺
	DC180-08-05.500A1-	5,5		48	97	57	36	6	☺
	DC180-08-05.556A1-	5,556	7/32"	48	97	57	36	6	☺
DC180-08-05.600A1-	5,6		48	97	57	36	6	☺	
DC180-08-05.700A1-	5,7		48	97	57	36	6	☺	
DC180-08-05.800A1-	5,8		48	97	57	36	6	☺	

Ordering example for the grade WJ30EY: DC180-08-03.000A1-WJ30EY

**WALTER SELECT** ●● Primary application ● Other application

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

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EY
<p>DIN 6535 HA</p>	DC180-08-05.900A1-	5,9		48	97	57	36	6	☹
	DC180-08-05.953A1-	5,953	15/64"	48	97	57	36	6	☹
	DC180-08-06.000A1-	6		48	97	57	36	6	☹
	DC180-08-06.100A1-	6,1		55	106	66	36	8	☹
	DC180-08-06.200A1-	6,2		55	106	66	36	8	☹
	DC180-08-06.300A1-	6,3		55	106	66	36	8	☹
	DC180-08-06.350A1-	6,350	1/4"	55	106	66	36	8	☹
	DC180-08-06.400A1-	6,4		55	106	66	36	8	☹
	DC180-08-06.500A1-	6,5		55	106	66	36	8	☹
	DC180-08-06.600A1-	6,6		55	106	66	36	8	☹
	DC180-08-06.700A1-	6,7		55	106	66	36	8	☹
	DC180-08-06.747A1-	6,747	17/64"	55	106	66	36	8	☹
	DC180-08-06.800A1-	6,8		55	106	66	36	8	☹
	DC180-08-06.900A1-	6,9		55	106	66	36	8	☹
	DC180-08-07.000A1-	7		55	106	66	36	8	☹
	DC180-08-07.100A1-	7,1		64	116	76	36	8	☹
	DC180-08-07.144A1-	7,144	9/32"	64	116	76	36	8	☹
	DC180-08-07.200A1-	7,2		64	116	76	36	8	☹
	DC180-08-07.300A1-	7,3		64	116	76	36	8	☹
	DC180-08-07.400A1-	7,4		64	116	76	36	8	☹
	DC180-08-07.500A1-	7,5		64	116	76	36	8	☹
	DC180-08-07.541A1-	7,541	19/64"	64	116	76	36	8	☹
	DC180-08-07.600A1-	7,6		64	116	76	36	8	☹
	DC180-08-07.700A1-	7,7		64	116	76	36	8	☹
	DC180-08-07.800A1-	7,8		64	116	76	36	8	☹
	DC180-08-07.900A1-	7,9		64	116	76	36	8	☹
	DC180-08-07.938A1-	7,938	5/16"	64	116	76	36	8	☹
	DC180-08-08.000A1-	8		64	116	76	36	8	☹
	DC180-08-08.100A1-	8,1		80	139	95	40	10	☹
	DC180-08-08.200A1-	8,2		80	139	95	40	10	☹
	DC180-08-08.300A1-	8,3		80	139	95	40	10	☹
	DC180-08-08.334A1-	8,334	21/64"	80	139	95	40	10	☹
	DC180-08-08.400A1-	8,4		80	139	95	40	10	☹
	DC180-08-08.500A1-	8,5		80	139	95	40	10	☹
	DC180-08-08.600A1-	8,6		80	139	95	40	10	☹
DC180-08-08.700A1-	8,7		80	139	95	40	10	☹	
DC180-08-08.731A1-	8,731	11/32"	80	139	95	40	10	☹	
DC180-08-08.800A1-	8,8		80	139	95	40	10	☹	
DC180-08-08.900A1-	8,9		80	139	95	40	10	☹	
DC180-08-09.000A1-	9		80	139	95	40	10	☹	
DC180-08-09.100A1-	9,1		80	139	95	40	10	☹	
DC180-08-09.128A1-	9,128	23/64"	80	139	95	40	10	☹	
DC180-08-09.200A1-	9,2		80	139	95	40	10	☹	
DC180-08-09.300A1-	9,3		80	139	95	40	10	☹	
DC180-08-09.400A1-	9,4		80	139	95	40	10	☹	
DC180-08-09.500A1-	9,5		80	139	95	40	10	☹	

Ordering example for the grade WJ30EY: DC180-08-03.000A1-WJ30EY

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>	WJ30EY
		m7		mm	mm	mm	mm	h6	
<p>DIN 6535 HA</p>	DC180-08-09.525A1-	9,525	3/8"	80	139	95	40	10	☺
	DC180-08-09.600A1-	9,6		80	139	95	40	10	☺
	DC180-08-09.700A1-	9,7		80	139	95	40	10	☺
	DC180-08-09.800A1-	9,8		80	139	95	40	10	☺
	DC180-08-09.900A1-	9,9		80	139	95	40	10	☺
	DC180-08-09.922A1-	9,922	25/64"	80	139	95	40	10	☺
	DC180-08-10.000A1-	10		80	139	95	40	10	☺
	DC180-08-10.100A1-	10,1		96	163	114	45	12	☺
	DC180-08-10.200A1-	10,2		96	163	114	45	12	☺
	DC180-08-10.300A1-	10,3		96	163	114	45	12	☺
	DC180-08-10.319A1-	10,319	13/32"	96	163	114	45	12	☺
	DC180-08-10.400A1-	10,4		96	163	114	45	12	☺
	DC180-08-10.500A1-	10,5		96	163	114	45	12	☺
	DC180-08-10.600A1-	10,6		96	163	114	45	12	☺
	DC180-08-10.700A1-	10,7		96	163	114	45	12	☺
	DC180-08-10.716A1-	10,716	27/64"	96	163	114	45	12	☺
	DC180-08-10.800A1-	10,8		96	163	114	45	12	☺
	DC180-08-10.900A1-	10,9		96	163	114	45	12	☺
	DC180-08-11.000A1-	11		96	163	114	45	12	☺
	DC180-08-11.100A1-	11,1		96	163	114	45	12	☺
	DC180-08-11.113A1-	11,113	7/16"	96	163	114	45	12	☺
	DC180-08-11.200A1-	11,2		96	163	114	45	12	☺
	DC180-08-11.300A1-	11,3		96	163	114	45	12	☺
	DC180-08-11.400A1-	11,4		96	163	114	45	12	☺
	DC180-08-11.500A1-	11,5		96	163	114	45	12	☺
	DC180-08-11.509A1-	11,509	29/64"	96	163	114	45	12	☺
	DC180-08-11.600A1-	11,6		96	163	114	45	12	☺
	DC180-08-11.700A1-	11,7		96	163	114	45	12	☺
	DC180-08-11.800A1-	11,8		96	163	114	45	12	☺
	DC180-08-11.900A1-	11,9		96	163	114	45	12	☺
	DC180-08-11.906A1-	11,906	15/32"	96	163	114	45	12	☺
	DC180-08-12.000A1-	12		96	163	114	45	12	☺
	DC180-08-12.303A1-	12,303	31/64"	119	182	133	45	14	☺
	DC180-08-12.500A1-	12,5		119	182	133	45	14	☺
	DC180-08-12.700A1-	12,700	1/2"	119	182	133	45	14	☺
DC180-08-13.000A1-	13		119	182	133	45	14	☺	
DC180-08-13.494A1-	13,494	17/32"	119	182	133	45	14	☺	
DC180-08-13.500A1-	13,5		119	182	133	45	14	☺	
DC180-08-14.000A1-	14		119	182	133	45	14	☺	
DC180-08-14.288A1-	14,288	9/16"	136	204	152	48	16	☺	
DC180-08-14.500A1-	14,5		136	204	152	48	16	☺	
DC180-08-15.000A1-	15		136	204	152	48	16	☺	
DC180-08-15.500A1-	15,5		136	204	152	48	16	☺	
DC180-08-15.875A1-	15,875	5/8"	136	204	152	48	16	☺	
DC180-08-16.000A1-	16		136	204	152	48	16	☺	
DC180-08-16.500A1-	16,5		153	223	171	48	18	☺	

Ordering example for the grade WJ30EY: DC180-08-03.000A1-WJ30EY

**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

B1

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30EY
<p>DIN 6535 HA</p>	DC180-08-17.000A1-	17		153	223	171	48	18	☺☺
	DC180-08-17.500A1-	17,5		153	223	171	48	18	☺☺
	DC180-08-18.000A1-	18		153	223	171	48	18	☺☺
	DC180-08-18.500A1-	18,5		170	244	190	50	20	☺☺
	DC180-08-19.000A1-	19		170	244	190	50	20	☺☺
	DC180-08-19.050A1-	19,050	3/4"	170	244	190	50	20	☺☺
	DC180-08-19.500A1-	19,5		170	244	190	50	20	☺☺
	DC180-08-20.000A1-	20		170	244	190	50	20	☺☺

Ordering example for the grade WJ30EY: DC180-08-03.000A1-WJ30EY

B1

# Solid carbide drills with coolant-through

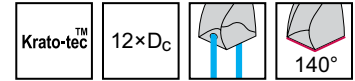
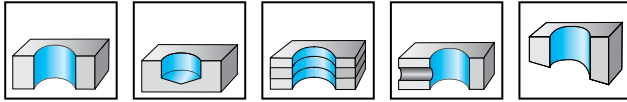
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec™



– with innovative Krato-tec™ multilayer coating



	P	M	K	N	S	H	O
WJ30EY	●●	●●	●●	●●	●●	●●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EY
<p>DIN 6535 HA</p>	★ DC180-12-03.000A1-	3		48	92	54	36	6	☹
	★ DC180-12-03.100A1-	3,1		48	92	54	36	6	☹
	★ DC180-12-03.175A1-	3,175	1/8"	48	92	54	36	6	☹
	★ DC180-12-03.200A1-	3,2		48	92	54	36	6	☹
	★ DC180-12-03.300A1-	3,3		48	92	54	36	6	☹
	★ DC180-12-03.400A1-	3,4		48	92	54	36	6	☹
	★ DC180-12-03.500A1-	3,5		48	92	54	36	6	☹
	★ DC180-12-03.572A1-	3,572	9/64"	48	92	54	36	6	☹
	★ DC180-12-03.600A1-	3,6		48	92	54	36	6	☹
	★ DC180-12-03.700A1-	3,7		48	92	54	36	6	☹
	★ DC180-12-03.800A1-	3,8		56	102	64	36	6	☹
	★ DC180-12-03.900A1-	3,9		56	102	64	36	6	☹
	★ DC180-12-03.969A1-	3,969	5/32"	56	102	64	36	6	☹
	★ DC180-12-04.000A1-	4		56	102	64	36	6	☹
	★ DC180-12-04.100A1-	4,1		56	102	64	36	6	☹
	★ DC180-12-04.200A1-	4,2		56	102	64	36	6	☹
	★ DC180-12-04.300A1-	4,3		56	102	64	36	6	☹
	★ DC180-12-04.366A1-	4,366	11/64"	56	102	64	36	6	☹
	★ DC180-12-04.400A1-	4,4		56	102	64	36	6	☹
	★ DC180-12-04.500A1-	4,5		56	102	64	36	6	☹
	★ DC180-12-04.600A1-	4,6		56	102	64	36	6	☹
	★ DC180-12-04.700A1-	4,7		56	102	64	36	6	☹
	★ DC180-12-04.763A1-	4,763	3/16"	74	121	83	36	6	☹
	★ DC180-12-04.800A1-	4,8		74	121	83	36	6	☹
	★ DC180-12-04.900A1-	4,9		74	121	83	36	6	☹
	★ DC180-12-05.000A1-	5		74	121	83	36	6	☹
	★ DC180-12-05.100A1-	5,1		74	121	83	36	6	☹
	★ DC180-12-05.159A1-	5,159	13/64"	74	121	83	36	6	☹
	★ DC180-12-05.200A1-	5,2		74	121	83	36	6	☹
	★ DC180-12-05.300A1-	5,3		74	121	83	36	6	☹
	★ DC180-12-05.400A1-	5,4		74	121	83	36	6	☹
	★ DC180-12-05.500A1-	5,5		74	121	83	36	6	☹
	★ DC180-12-05.550A1-	5,5		74	121	83	36	6	☹
★ DC180-12-05.556A1-	5,556	7/32"	74	121	83	36	6	☹	
★ DC180-12-05.600A1-	5,6		74	121	83	36	6	☹	
★ DC180-12-05.700A1-	5,7		74	121	83	36	6	☹	

Ordering example for the grade WJ30EY: DC180-12-03.000A1-WJ30EY

**WALTER SELECT**

●● Primary application ● Other application

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30EY
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	★ DC180-12-05.800A1-	5,8		74	121	83	36	6	☹
	★ DC180-12-05.900A1-	5,9		74	121	83	36	6	☹
	★ DC180-12-06.000A1-	6		74	121	83	36	6	☹
	★ DC180-12-06.100A1-	6,1		98	148	110	36	8	☹
	★ DC180-12-06.200A1-	6,2		98	148	110	36	8	☹
	★ DC180-12-06.300A1-	6,3		98	148	110	36	8	☹
	★ DC180-12-06.350A1-	6,350	1/4"	98	148	110	36	8	☹
	★ DC180-12-06.400A1-	6,4		98	148	110	36	8	☹
	★ DC180-12-06.500A1-	6,5		98	148	110	36	8	☹
	★ DC180-12-06.600A1-	6,6		98	148	110	36	8	☹
	★ DC180-12-06.700A1-	6,7		98	148	110	36	8	☹
	★ DC180-12-06.747A1-	6,747	17/64"	98	148	110	36	8	☹
	★ DC180-12-06.800A1-	6,8		98	148	110	36	8	☹
	★ DC180-12-06.900A1-	6,9		98	148	110	36	8	☹
	★ DC180-12-07.000A1-	7		98	148	110	36	8	☹
	★ DC180-12-07.100A1-	7,1		98	148	110	36	8	☹
	★ DC180-12-07.144A1-	7,144	9/32"	98	148	110	36	8	☹
	★ DC180-12-07.200A1-	7,2		98	148	110	36	8	☹
	★ DC180-12-07.300A1-	7,3		98	148	110	36	8	☹
	★ DC180-12-07.400A1-	7,4		98	148	110	36	8	☹
	★ DC180-12-07.500A1-	7,5		98	148	110	36	8	☹
	★ DC180-12-07.541A1-	7,541	19/64"	98	148	110	36	8	☹
	★ DC180-12-07.800A1-	7,8		98	148	110	36	8	☹
	★ DC180-12-07.900A1-	7,9		98	148	110	36	8	☹
	★ DC180-12-07.938A1-	7,938	5/16"	98	148	110	36	8	☹
	★ DC180-12-08.000A1-	8		98	148	110	36	8	☹
	★ DC180-12-08.100A1-	8,1		123	180	138	40	10	☹
	★ DC180-12-08.200A1-	8,2		123	180	138	40	10	☹
	★ DC180-12-08.300A1-	8,3		123	180	138	40	10	☹
	★ DC180-12-08.400A1-	8,4		123	180	138	40	10	☹
	★ DC180-12-08.500A1-	8,5		123	180	138	40	10	☹
	★ DC180-12-08.600A1-	8,6		123	180	138	40	10	☹
	★ DC180-12-08.700A1-	8,7		123	180	138	40	10	☹
	★ DC180-12-08.731A1-	8,731	11/32"	123	180	138	40	10	☹
	★ DC180-12-08.800A1-	8,8		123	180	138	40	10	☹
★ DC180-12-09.000A1-	9		123	180	138	40	10	☹	
★ DC180-12-09.128A1-	9,128	23/64"	123	180	138	40	10	☹	
★ DC180-12-09.200A1-	9,2		123	180	138	40	10	☹	
★ DC180-12-09.300A1-	9,3		123	180	138	40	10	☹	
★ DC180-12-09.500A1-	9,5		123	180	138	40	10	☹	
★ DC180-12-09.525A1-	9,525	3/8"	123	180	138	40	10	☹	
★ DC180-12-09.600A1-	9,6		123	180	138	40	10	☹	
★ DC180-12-09.700A1-	9,7		123	180	138	40	10	☹	
★ DC180-12-09.800A1-	9,8		123	180	138	40	10	☹	
★ DC180-12-09.922A1-	9,922	25/64"	123	180	138	40	10	☹	
★ DC180-12-10.000A1-	10		123	180	138	40	10	☹	

Ordering example for the grade WJ30EY: DC180-12-03.000A1-WJ30EY



Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EY
<p>DIN 6535 HA</p>	★ DC180-12-10.100A1-	10,1		140	206	158	45	12	☹
	★ DC180-12-10.200A1-	10,2		140	206	158	45	12	☹
	★ DC180-12-10.300A1-	10,3		140	206	158	45	12	☹
	★ DC180-12-10.319A1-	10,319	13/32"	140	206	158	45	12	☹
	★ DC180-12-10.400A1-	10,4		140	206	158	45	12	☹
	★ DC180-12-10.500A1-	10,5		140	206	158	45	12	☹
	★ DC180-12-10.716A1-	10,716	27/64"	140	206	158	45	12	☹
	★ DC180-12-10.800A1-	10,8		140	206	158	45	12	☹
	★ DC180-12-11.000A1-	11		140	206	158	45	12	☹
	★ DC180-12-11.100A1-	11,1		140	206	158	45	12	☹
	★ DC180-12-11.113A1-	11,113	7/16"	140	206	158	45	12	☹
	★ DC180-12-11.200A1-	11,2		140	206	158	45	12	☹
	★ DC180-12-11.500A1-	11,5		140	206	158	45	12	☹
	★ DC180-12-11.509A1-	11,509	29/64"	140	206	158	45	12	☹
	★ DC180-12-11.700A1-	11,7		140	206	158	45	12	☹
	★ DC180-12-11.800A1-	11,8		140	206	158	45	12	☹
	★ DC180-12-11.906A1-	11,906	15/32"	140	206	158	45	12	☹
	★ DC180-12-12.000A1-	12		140	206	158	45	12	☹
	★ DC180-12-12.100A1-	12,1		168	230	182	45	14	☹
	★ DC180-12-12.200A1-	12,2		168	230	182	45	14	☹
	★ DC180-12-12.300A1-	12,3		168	230	182	45	14	☹
	★ DC180-12-12.303A1-	12,303	31/64"	168	230	182	45	14	☹
	★ DC180-12-12.500A1-	12,5		168	230	182	45	14	☹
	★ DC180-12-12.600A1-	12,6		168	230	182	45	14	☹
	★ DC180-12-12.700A1-	12,700	1/2"	168	230	182	45	14	☹
	★ DC180-12-13.000A1-	13		168	230	182	45	14	☹
	★ DC180-12-13.494A1-	13,494	17/32"	168	230	182	45	14	☹
	★ DC180-12-13.500A1-	13,5		168	230	182	45	14	☹
	★ DC180-12-14.000A1-	14		168	230	182	45	14	☹
	★ DC180-12-14.288A1-	14,288	9/16"	192	260	208	48	16	☹
★ DC180-12-14.500A1-	14,5		192	260	208	48	16	☹	
★ DC180-12-15.000A1-	15		192	260	208	48	16	☹	
★ DC180-12-15.500A1-	15,5		192	260	208	48	16	☹	
★ DC180-12-15.875A1-	15,875	5/8"	192	260	208	48	16	☹	
★ DC180-12-16.000A1-	16		192	260	208	48	16	☹	
★ DC180-12-16.500A1-	16,5		216	285	234	48	18	☹	
★ DC180-12-17.000A1-	17		216	285	234	48	18	☹	
★ DC180-12-17.500A1-	17,5		216	285	234	48	18	☹	
★ DC180-12-18.000A1-	18		216	285	234	48	18	☹	
★ DC180-12-18.500A1-	18,5		238	310	258	50	20	☹	
★ DC180-12-19.000A1-	19		238	310	258	50	20	☹	
★ DC180-12-19.500A1-	19,5		238	310	258	50	20	☹	
★ DC180-12-20.000A1-	20		238	310	258	50	20	☹	

Ordering example for the grade WJ30EY: DC180-12-03.000A1-WJ30EY

**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

B1

## Drilling/chamfering tools

B1

Machining



Drilling depth



Designation

D4580  
Xtra-tec®

Effective cutting edges

2

Diameter range

[mm]

4–16

[inch]

0,157–0,630

**P** Steel

●●

**M** Stainless steel

●●

**K** Cast iron

●●

**N** NF metals

●●

**S** Materials with difficult cutting properties

●●

**H** Hard materials

**O** Other

Indexable insert types



VC .

Number of cutting edges

2

Page in catalogue

QR code

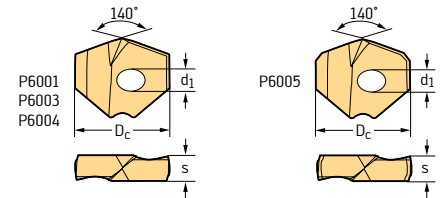


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

D4580

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	HC	HC	HC	HC
P6001-D12,00R	1	12	A	3	3,6			⊕			
P6001-D12,10R	1	12,1	A	3	3,6			⊕			
P6001-D12,20R	1	12,2	A	3	3,6			⊕			
P6001-D12,30R	1	12,3	A	3	3,6			⊕			
P6001-D12,40R	1	12,4	A	3	3,6			⊕			
P6001-D12,50R	1	12,5	A	3	3,6			⊕			
P6001-D12,60R	1	12,6	A	3	3,6			⊕			
P6001-D12,70R	1	12,7	A	3	3,6			⊕			
P6001-D12,80R	1	12,8	A	3	3,6			⊕			
P6001-D12,90R	1	12,9	A	3	3,6			⊕			
P6001-D13,00R	1	13	A	3	3,6			⊕			
P6001-D13,11R	1	13,11	A	3	3,6			⊕			
P6001-D13,20R	1	13,2	A	3	3,6			⊕			
P6001-D13,30R	1	13,3	A	3	3,6			⊕			
P6001-D13,40R	1	13,4	A	3	3,6			⊕			
P6001-D13,50R	1	13,5	A	3	3,6			⊕			
P6001-D13,60R	1	13,6	A	3	3,6			⊕			
P6001-D13,70R	1	13,7	A	3	3,6			⊕			
P6001-D13,80R	1	13,8	A	3	3,6			⊕			
P6001-D13,89R	1	13,89	A	3	3,6			⊕			
P6001-D14,00R	1	14	B	3	4			⊕			
P6001-D14,10R	1	14,1	B	3	4			⊕			
P6001-D14,20R	1	14,2	B	3	4			⊕			
P6001-D14,30R	1	14,3	B	3	4			⊕			
P6001-D14,40R	1	14,4	B	3	4			⊕			
P6001-D14,50R	1	14,5	B	3	4			⊕			
P6001-D14,60R	1	14,6	B	3	4			⊕			
P6001-D14,68R	1	14,68	B	3	4			⊕			
P6001-D14,80R	1	14,8	B	3	4			⊕			
P6001-D14,90R	1	14,9	B	3	4			⊕			
P6001-D15,00R	1	15	B	3	4			⊕			
P6001-D15,09R	1	15,09	B	3	4			⊕			
P6001-D15,20R	1	15,2	B	3	4			⊕			
P6001-D15,30R	1	15,3	B	3	4			⊕			
P6001-D15,47R	1	15,47	B	3	4			⊕			
P6001-D15,50R	1	15,5	B	3	4			⊕			
P6001-D15,60R	1	15,6	B	3	4			⊕			
P6001-D15,70R	1	15,7	B	3	4			⊕			
P6001-D15,80R	1	15,8	B	3	4			⊕			
P6001-D15,87R	1	15,87	B	3	4			⊕			
P6001-D16,00R	1	16	C	4	4,5			⊕			
P6001-D16,13R	1	16,13	C	4	4,5			⊕			
P6001-D16,26R	1	16,26	C	4	4,5			⊕			

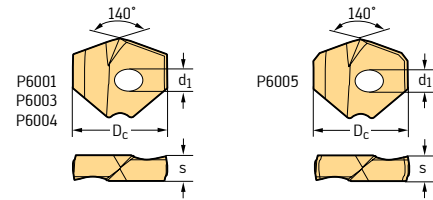
Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide

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

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1



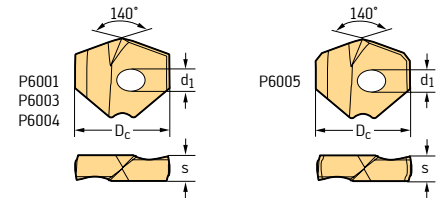
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	HC	HC	HC	HC
P6001-D16,43R	1	16,43	C	4	4,5			⊗			
P6001-D16,50R	1	16,5	C	4	4,5			⊗			
P6001-D16,66R	1	16,66	C	4	4,5			⊗			
P6001-D16,70R	1	16,7	C	4	4,5			⊗			
P6001-D17,00R	1	17	C	4	4,5			⊗			
P6001-D17,07R	1	17,07	C	4	4,5			⊗			
P6001-D17,20R	1	17,2	C	4	4,5			⊗			
P6001-D17,45R	1	17,45	C	4	4,5			⊗			
P6001-D17,50R	1	17,5	C	4	4,5			⊗			
P6001-D17,70R	1	17,7	C	4	4,5			⊗			
P6001-D17,86R	1	17,86	C	4	4,5			⊗			
P6001-D18,00R	1	18	D	4	5			⊗			
P6001-D18,24R	1	18,24	D	4	5			⊗			
P6001-D18,50R	1	18,5	D	4	5			⊗			
P6001-D18,65R	1	18,65	D	4	5			⊗			
P6001-D18,70R	1	18,7	D	4	5			⊗			
P6001-D18,80R	1	18,8	D	4	5			⊗			
P6001-D19,00R	1	19	D	4	5			⊗			
P6001-D19,05R	1	19,05	D	4	5			⊗			
P6001-D19,20R	1	19,2	D	4	5			⊗			
P6001-D19,25R	1	19,25	D	4	5			⊗			
P6001-D19,30R	1	19,3	D	4	5			⊗			
P6001-D19,43R	1	19,43	D	4	5			⊗			
P6001-D19,50R	1	19,5	D	4	5			⊗			
P6001-D19,60R	1	19,6	D	4	5			⊗			
P6001-D19,70R	1	19,7	D	4	5			⊗			
P6001-D19,84R	1	19,84	D	4	5			⊗			
P6001-D20,00R	1	20	E	5	5,5			⊗			
P6001-D20,20R	1	20,2	E	5	5,5			⊗			
P6001-D20,24R	1	20,24	E	5	5,5			⊗			
P6001-D20,50R	1	20,5	E	5	5,5			⊗			
P6001-D20,62R	1	20,62	E	5	5,5			⊗			
P6001-D20,70R	1	20,7	E	5	5,5			⊗			
P6001-D21,00R	1	21	E	5	5,5			⊗			
P6001-D21,41R	1	21,41	E	5	5,5			⊗			
P6001-D21,50R	1	21,5	E	5	5,5			⊗			
P6001-D21,70R	1	21,7	E	5	5,5			⊗			
P6001-D21,83R	1	21,83	E	5	5,5			⊗			
P6001-D22,00R	1	22	F	5	6			⊗			
P6001-D22,22R	1	22,22	F	5	6			⊗			
P6001-D22,42R	1	22,42	F	5	6			⊗			
P6001-D22,50R	1	22,5	F	5	6			⊗			
P6001-D22,62R	1	22,62	F	5	6			⊗			

Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	HC	HC	HC	HC
P6001-D22,70R	1	22,7	F	5	6			⊕			
P6001-D23,00R	1	23	F	5	6			⊕			
P6001-D23,39R	1	23,39	F	5	6			⊕			
P6001-D23,50R	1	23,5	F	5	6			⊕			
P6001-D23,70R	1	23,7	F	5	6			⊕			
P6001-D23,80R	1	23,8	F	5	6			⊕			
P6001-D24,00R	1	24	G	5	6,5			⊕			
P6001-D24,21R	1	24,21	G	5	6,5			⊕			
P6001-D24,50R	1	24,5	G	5	6,5			⊕			
P6001-D24,59R	1	24,59	G	5	6,5			⊕			
P6001-D24,70R	1	24,7	G	5	6,5			⊕			
P6001-D25,00R	1	25	G	5	6,5			⊕			
P6001-D25,25R	1	25,25	G	5	6,5			⊕			
P6001-D25,40R	1	25,4	G	5	6,5			⊕			
P6001-D25,50R	1	25,5	G	5	6,5			⊕			
P6001-D25,65R	1	25,65	G	5	6,5			⊕			
P6001-D25,70R	1	25,7	G	5	6,5			⊕			
P6001-D25,80R	1	25,8	G	5	6,5			⊕			
P6001-D26,00R	1	26	H	6	7,1			⊕			
P6001-D26,25R	1	26,25	H	6	7,1			⊕			
P6001-D26,50R	1	26,5	H	6	7,1			⊕			
P6001-D26,59R	1	26,59	H	6	7,1			⊕			
P6001-D27,00R	1	27	H	6	7,1			⊕			
P6001-D27,38R	1	27,38	H	6	7,1			⊕			
P6001-D27,50R	1	27,5	H	6	7,1			⊕			
P6001-D27,78R	1	27,78	H	6	7,1			⊕			
P6001-D28,00R	1	28	J	6	7,7			⊕			
P6001-D28,17R	1	28,17	J	6	7,7			⊕			
P6001-D28,50R	1	28,5	J	6	7,7			⊕			
P6001-D28,57R	1	28,57	J	6	7,7			⊕			
P6001-D29,00R	1	29	J	6	7,7			⊕			
P6001-D29,37R	1	29,37	J	6	7,7			⊕			
P6001-D29,50R	1	29,5	J	6	7,7			⊕			
P6001-D29,77R	1	29,77	J	6	7,7			⊕			
P6001-D30,00R	1	30	K	6	8			⊕			
P6001-D30,15R	1	30,15	K	6	8			⊕			
P6001-D30,50R	1	30,5	K	6	8			⊕			
P6001-D31,00R	1	31	K	6	8			⊕			
P6001-D31,50R	1	31,5	K	6	8			⊕			
P6001-D31,75R	1	31,75	K	6	8			⊕			
P6001-D31,99R	1	31,99	K	6	8			⊕			
P6001-D32,00R	1	32	M	6	8,3			⊕			
P6001-D32,10R	1	32,1	M	6	8,3			⊕			

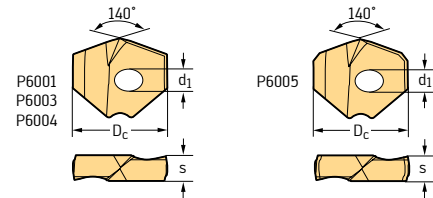
Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide

B1

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

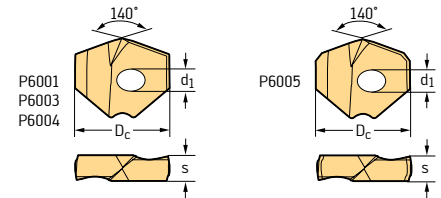
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P			M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC	HC
	P6001-D33,00R	1	33	M	6	8,3						
	P6001-D34,00R	1	34	N	6	8,6						
	P6001-D35,00R	1	35	N	6	8,6						
	P6001-D36,00R	1	36	P	6	8,9						
	P6001-D37,00R	1	37	P	6	8,9						
	P6001-D37,99R	1	37,99	P	6	8,9						
	P6003-D12,00R	1	12	A	3	3,6						
	P6003-D12,10R	1	12,1	A	3	3,6						
	P6003-D12,20R	1	12,2	A	3	3,6						
	P6003-D12,30R	1	12,3	A	3	3,6						
	P6003-D12,40R	1	12,4	A	3	3,6						
	P6003-D12,50R	1	12,5	A	3	3,6						
	P6003-D12,60R	1	12,6	A	3	3,6						
	P6003-D12,70R	1	12,7	A	3	3,6						
	P6003-D12,80R	1	12,8	A	3	3,6						
	P6003-D12,90R	1	12,9	A	3	3,6						
	P6003-D12,95R	1	12,95	A	3	3,6						
	P6003-D13,00R	1	13	A	3	3,6						
	P6003-D13,11R	1	13,11	A	3	3,6						
	P6003-D13,20R	1	13,2	A	3	3,6						
	P6003-D13,25R	1	13,25	A	3	3,6						
	P6003-D13,30R	1	13,3	A	3	3,6						
	P6003-D13,40R	1	13,4	A	3	3,6						
	P6003-D13,50R	1	13,5	A	3	3,6						
	P6003-D13,60R	1	13,6	A	3	3,6						
	P6003-D13,70R	1	13,7	A	3	3,6						
	P6003-D13,80R	1	13,8	A	3	3,6						
	P6003-D13,89R	1	13,89	A	3	3,6						
	P6003-D14,00R	1	14	B	3	4						
	P6003-D14,10R	1	14,1	B	3	4						
	P6003-D14,20R	1	14,2	B	3	4						
	P6003-D14,30R	1	14,3	B	3	4						
	P6003-D14,40R	1	14,4	B	3	4						
	P6003-D14,50R	1	14,5	B	3	4						
	P6003-D14,60R	1	14,6	B	3	4						
	P6003-D14,68R	1	14,68	B	3	4						
	P6003-D14,80R	1	14,8	B	3	4						
	P6003-D14,90R	1	14,9	B	3	4						
	P6003-D15,00R	1	15	B	3	4						
	P6003-D15,09R	1	15,09	B	3	4						
	P6003-D15,20R	1	15,2	B	3	4						
	P6003-D15,30R	1	15,3	B	3	4						
P6003-D15,40R	1	15,4	B	3	4							

Ordering example: P60.. -D13,00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13,00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13,00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13,00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12,00R WPP45C

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

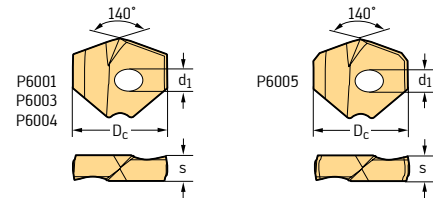
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25
P6003-D15,47R	1	15,47	B	3	4	☒	☒	☒			☒
P6003-D15,50R	1	15,5	B	3	4	☒	☒	☒			☒
P6003-D15,60R	1	15,6	B	3	4	☒	☒	☒			☒
P6003-D15,70R	1	15,7	B	3	4	☒	☒	☒			☒
P6003-D15,80R	1	15,8	B	3	4	☒	☒	☒			☒
P6003-D15,87R	1	15,87	B	3	4	☒	☒	☒			☒
P6003-D16,00R	1	16	C	4	4,5	☒	☒	☒			☒
P6003-D16,13R	1	16,13	C	4	4,5	☒	☒	☒			☒
P6003-D16,26R	1	16,26	C	4	4,5	☒	☒	☒			☒
P6003-D16,43R	1	16,43	C	4	4,5	☒	☒	☒			☒
P6003-D16,50R	1	16,5	C	4	4,5	☒	☒	☒			☒
P6003-D16,66R	1	16,66	C	4	4,5	☒	☒	☒			☒
P6003-D16,70R	1	16,7	C	4	4,5	☒	☒	☒			☒
P6003-D17,00R	1	17	C	4	4,5	☒	☒	☒			☒
P6003-D17,07R	1	17,07	C	4	4,5	☒	☒	☒			☒
P6003-D17,20R	1	17,2	C	4	4,5	☒	☒	☒			☒
P6003-D17,45R	1	17,45	C	4	4,5	☒	☒	☒			☒
P6003-D17,50R	1	17,5	C	4	4,5	☒	☒	☒			☒
P6003-D17,70R	1	17,7	C	4	4,5	☒	☒	☒			☒
P6003-D17,86R	1	17,86	C	4	4,5	☒	☒	☒			☒
P6003-D18,00R	1	18	D	4	5	☒	☒	☒			☒
P6003-D18,24R	1	18,24	D	4	5	☒	☒	☒			☒
P6003-D18,50R	1	18,5	D	4	5	☒	☒	☒			☒
P6003-D18,65R	1	18,65	D	4	5	☒	☒	☒			☒
P6003-D18,70R	1	18,7	D	4	5	☒	☒	☒			☒
P6003-D18,80R	1	18,8	D	4	5	☒	☒	☒			☒
P6003-D19,00R	1	19	D	4	5	☒	☒	☒			☒
P6003-D19,05R	1	19,05	D	4	5	☒	☒	☒			☒
P6003-D19,20R	1	19,2	D	4	5	☒	☒	☒			☒
P6003-D19,25R	1	19,25	D	4	5	☒	☒	☒			☒
P6003-D19,30R	1	19,3	D	4	5	☒	☒	☒			☒
P6003-D19,43R	1	19,43	D	4	5	☒	☒	☒			☒
P6003-D19,50R	1	19,5	D	4	5	☒	☒	☒			☒
P6003-D19,60R	1	19,6	D	4	5	☒	☒	☒			☒
P6003-D19,70R	1	19,7	D	4	5	☒	☒	☒			☒
P6003-D19,84R	1	19,84	D	4	5	☒	☒	☒			☒
P6003-D20,00R	1	20	E	5	5,5	☒	☒	☒			☒
P6003-D20,20R	1	20,2	E	5	5,5	☒	☒	☒			☒
P6003-D20,24R	1	20,24	E	5	5,5	☒	☒	☒			☒
P6003-D20,50R	1	20,5	E	5	5,5	☒	☒	☒			☒
P6003-D20,62R	1	20,62	E	5	5,5	☒	☒	☒			☒
P6003-D20,70R	1	20,7	E	5	5,5	☒	☒	☒			☒
P6003-D21,00R	1	21	E	5	5,5	☒	☒	☒			☒

Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P			M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC	HC
P6003-D21,41R	1	21,41	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D21,50R	1	21,5	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D21,70R	1	21,7	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D21,83R	1	21,83	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,00R	1	22	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,22R	1	22,22	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,42R	1	22,42	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,47R	1	22,47	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,50R	1	22,5	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,62R	1	22,62	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,70R	1	22,7	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,77R	1	22,77	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,00R	1	23	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,39R	1	23,39	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,50R	1	23,5	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,70R	1	23,7	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,80R	1	23,8	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,00R	1	24	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,21R	1	24,21	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,50R	1	24,5	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,59R	1	24,59	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,70R	1	24,7	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,00R	1	25	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,25R	1	25,25	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,40R	1	25,4	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,50R	1	25,5	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,65R	1	25,65	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,70R	1	25,7	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,80R	1	25,8	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D26,00R	1	26	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D26,25R	1	26,25	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D26,50R	1	26,5	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D26,59R	1	26,59	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D27,00R	1	27	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D27,38R	1	27,38	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D27,50R	1	27,5	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D27,78R	1	27,78	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D28,00R	1	28	J	6	7,7	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D28,17R	1	28,17	J	6	7,7	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D28,50R	1	28,5	J	6	7,7	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D28,57R	1	28,57	J	6	7,7	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D29,00R	1	29	J	6	7,7	⊗	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D29,37R	1	29,37	J	6	7,7	⊗	⊗	⊗	⊗	⊗	⊗	⊗

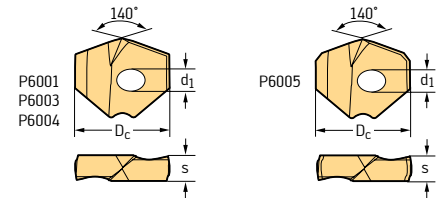
Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel): P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S): P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P): P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide



# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

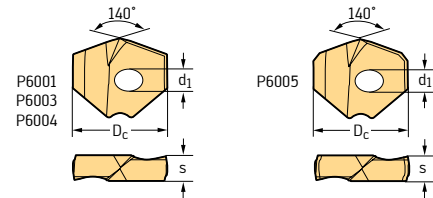
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25
	P6003-D29,50R	1	29,5	J	6	7,7	☒	☒			☒
	P6003-D29,77R	1	29,77	J	6	7,7	☒	☒			☒
	P6003-D30,00R	1	30	K	6	8	☒	☒			☒
	P6003-D30,15R	1	30,15	K	6	8	☒	☒			☒
	P6003-D30,50R	1	30,5	K	6	8	☒	☒			☒
	P6003-D31,00R	1	31	K	6	8	☒	☒			☒
	P6003-D31,50R	1	31,5	K	6	8	☒	☒			☒
	P6003-D31,75R	1	31,75	K	6	8	☒	☒			☒
	P6003-D31,99R	1	31,99	K	6	8	☒	☒			☒
	P6003-D32,00R	1	32	M	6	8,3	☒	☒			☒
	P6003-D32,10R	1	32,1	M	6	8,3	☒	☒			☒
	P6003-D33,00R	1	33	M	6	8,3	☒	☒			☒
	P6003-D34,00R	1	34	N	6	8,6	☒	☒			☒
	P6003-D35,00R	1	35	N	6	8,6	☒	☒			☒
	P6003-D36,00R	1	36	P	6	8,9	☒	☒			☒
	P6003-D37,00R	1	37	P	6	8,9	☒	☒			☒
P6003-D37,99R	1	37,99	P	6	8,9	☒	☒			☒	
	P6004-D12,00R	1	12	A	3	3,6					☒
	P6004-D12,50R	1	12,5	A	3	3,6					☒
	P6004-D13,00R	1	13	A	3	3,6					☒
	P6004-D13,50R	1	13,5	A	3	3,6					☒
	P6004-D14,00R	1	14	B	3	4					☒
	P6004-D14,50R	1	14,5	B	3	4					☒
	P6004-D14,80R	1	14,8	B	3	4					☒
	P6004-D15,00R	1	15	B	3	4					☒
	P6004-D15,50R	1	15,5	B	3	4					☒
	P6004-D16,00R	1	16	C	4	4,5					☒
	P6004-D16,50R	1	16,5	C	4	4,5					☒
	P6004-D16,66R	1	16,66	C	4	4,5					☒
	P6004-D17,00R	1	17	C	4	4,5					☒
	P6004-D17,50R	1	17,5	C	4	4,5					☒
	P6004-D17,70R	1	17,7	C	4	4,5					☒
	P6004-D18,00R	1	18	D	4	5					☒
	P6004-D18,50R	1	18,5	D	4	5					☒
	P6004-D18,65R	1	18,65	D	4	5					☒
	P6004-D19,00R	1	19	D	4	5					☒
	P6004-D19,50R	1	19,5	D	4	5					☒
	P6004-D19,70R	1	19,7	D	4	5					☒
	P6004-D19,84R	1	19,84	D	4	5					☒
	P6004-D20,00R	1	20	E	5	5,5					☒
	P6004-D20,50R	1	20,5	E	5	5,5					☒
P6004-D21,00R	1	21	E	5	5,5					☒	
P6004-D21,50R	1	21,5	E	5	5,5					☒	

Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

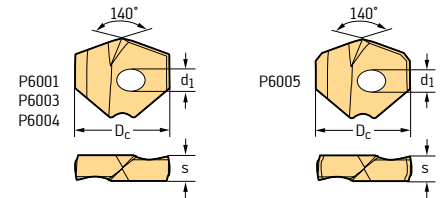
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P			M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC	HC
	P6004-D21,70R	1	21,7	E	5	5,5						
	P6004-D22,00R	1	22	F	5	6						
	P6004-D22,50R	1	22,5	F	5	6						
	P6004-D23,00R	1	23	F	5	6						
	P6004-D23,50R	1	23,5	F	5	6						
	P6004-D24,00R	1	24	G	5	6,5						
	P6004-D24,50R	1	24,5	G	5	6,5						
	P6004-D25,00R	1	25	G	5	6,5						
	P6004-D25,50R	1	25,5	G	5	6,5						
	P6004-D26,00R	1	26	H	6	7,1						
	P6004-D26,50R	1	26,5	H	6	7,1						
	P6004-D27,00R	1	27	H	6	7,1						
	P6004-D27,50R	1	27,5	H	6	7,1						
	P6004-D28,00R	1	28	J	6	7,7						
	P6004-D28,50R	1	28,5	J	6	7,7						
	P6004-D29,00R	1	29	J	6	7,7						
	P6004-D29,50R	1	29,5	J	6	7,7						
P6004-D30,00R	1	30	K	6	8							
P6004-D30,50R	1	30,5	K	6	8							
P6004-D31,00R	1	31	K	6	8							
P6004-D31,50R	1	31,5	K	6	8							
	P6005-D12,00R	1	12	A	3	3,6						
	P6005-D12,10R	1	12,1	A	3	3,6						
	P6005-D12,20R	1	12,2	A	3	3,6						
	P6005-D12,30R	1	12,3	A	3	3,6						
	P6005-D12,40R	1	12,4	A	3	3,6						
	P6005-D12,50R	1	12,5	A	3	3,6						
	P6005-D12,60R	1	12,6	A	3	3,6						
	P6005-D12,70R	1	12,7	A	3	3,6						
	P6005-D12,80R	1	12,8	A	3	3,6						
	P6005-D12,90R	1	12,9	A	3	3,6						
	P6005-D12,95R	1	12,95	A	3	3,6						
	P6005-D13,00R	1	13	A	3	3,6						
	P6005-D13,10R	1	13,1	A	3	3,6						
	P6005-D13,20R	1	13,2	A	3	3,6						
	P6005-D13,25R	1	13,25	A	3	3,6						
	P6005-D13,30R	1	13,3	A	3	3,6						
	P6005-D13,40R	1	13,4	A	3	3,6						
	P6005-D13,49R	1	13,49	A	3	3,6						
	P6005-D13,50R	1	13,5	A	3	3,6						
	P6005-D13,60R	1	13,6	A	3	3,6						
	P6005-D13,70R	1	13,7	A	3	3,6						
P6005-D13,80R	1	13,8	A	3	3,6							

Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

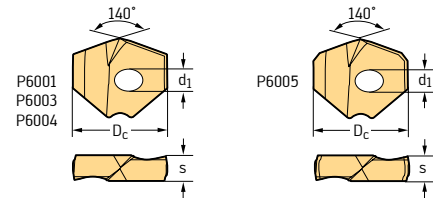
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25
P6005-D13,90R	1	13,9	A	3	3,6						
P6005-D14,00R	1	14	B	3	4						
P6005-D14,10R	1	14,1	B	3	4						
P6005-D14,20R	1	14,2	B	3	4						
P6005-D14,29R	1	14,29	B	3	4						
P6005-D14,30R	1	14,3	B	3	4						
P6005-D14,40R	1	14,4	B	3	4						
P6005-D14,50R	1	14,5	B	3	4						
P6005-D14,60R	1	14,6	B	3	4						
P6005-D14,68R	1	14,68	B	3	4						
P6005-D14,70R	1	14,7	B	3	4						
P6005-D14,80R	1	14,8	B	3	4						
P6005-D14,90R	1	14,9	B	3	4						
P6005-D15,00R	1	15	B	3	4						
P6005-D15,08R	1	15,08	B	3	4						
P6005-D15,09R	1	15,09	B	3	4						
P6005-D15,10R	1	15,1	B	3	4						
P6005-D15,20R	1	15,2	B	3	4						
P6005-D15,30R	1	15,3	B	3	4						
P6005-D15,40R	1	15,4	B	3	4						
P6005-D15,50R	1	15,5	B	3	4						
P6005-D15,60R	1	15,6	B	3	4						
P6005-D15,70R	1	15,7	B	3	4						
P6005-D15,80R	1	15,8	B	3	4						
P6005-D15,88R	1	15,88	B	3	4						
P6005-D15,90R	1	15,9	B	3	4						
P6005-D16,00R	1	16	C	4	4,5						
P6005-D16,13R	1	16,13	C	4	4,5						
P6005-D16,26R	1	16,26	C	4	4,5						
P6005-D16,27R	1	16,27	C	4	4,5						
P6005-D16,43R	1	16,43	C	4	4,5						
P6005-D16,50R	1	16,5	C	4	4,5						
P6005-D16,66R	1	16,66	C	4	4,5						
P6005-D16,67R	1	16,67	C	4	4,5						
P6005-D16,70R	1	16,7	C	4	4,5						
P6005-D16,80R	1	16,8	C	4	4,5						
P6005-D17,00R	1	17	C	4	4,5						
P6005-D17,07R	1	17,07	C	4	4,5						
P6005-D17,20R	1	17,2	C	4	4,5						
P6005-D17,45R	1	17,45	C	4	4,5						
P6005-D17,50R	1	17,5	C	4	4,5						
P6005-D17,70R	1	17,7	C	4	4,5						
P6005-D17,80R	1	17,8	C	4	4,5						

Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide


# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

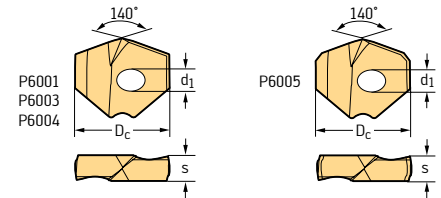
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P			M	K	N	S
						HC			HC	HC	HC	HC
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25	WMP35
 P6005-D17,86R	1	17,86	C	4	4,5					☒		
P6005-D18,00R	1	18	D	4	5					☒		
P6005-D18,24R	1	18,24	D	4	5					☒		
P6005-D18,26R	1	18,26	D	4	5					☒		
P6005-D18,50R	1	18,5	D	4	5					☒		
P6005-D18,65R	1	18,65	D	4	5					☒		
P6005-D18,70R	1	18,7	D	4	5					☒		
P6005-D18,80R	1	18,8	D	4	5					☒		
P6005-D19,00R	1	19	D	4	5					☒		
P6005-D19,05R	1	19,05	D	4	5					☒		
P6005-D19,20R	1	19,2	D	4	5					☒		
P6005-D19,25R	1	19,25	D	4	5					☒		
P6005-D19,30R	1	19,3	D	4	5					☒		
P6005-D19,35R	1	19,35	D	4	5					☒		
P6005-D19,43R	1	19,43	D	4	5					☒		
P6005-D19,50R	1	19,5	D	4	5					☒		
P6005-D19,60R	1	19,6	D	4	5					☒		
P6005-D19,70R	1	19,7	D	4	5					☒		
P6005-D19,80R	1	19,8	D	4	5					☒		
P6005-D19,84R	1	19,84	D	4	5					☒		
P6005-D20,00R	1	20	E	5	5,5					☒		
P6005-D20,20R	1	20,2	E	5	5,5					☒		
P6005-D20,24R	1	20,24	E	5	5,5					☒		
P6005-D20,50R	1	20,5	E	5	5,5					☒		
P6005-D20,62R	1	20,62	E	5	5,5					☒		
P6005-D20,70R	1	20,7	E	5	5,5					☒		
P6005-D21,00R	1	21	E	5	5,5					☒		
P6005-D21,12R	1	21,12	E	5	5,5					☒		
P6005-D21,41R	1	21,41	E	5	5,5					☒		
P6005-D21,43R	1	21,43	E	5	5,5					☒		
P6005-D21,50R	1	21,5	E	5	5,5					☒		
P6005-D21,70R	1	21,7	E	5	5,5					☒		
P6005-D21,83R	1	21,83	E	5	5,5					☒		
P6005-D22,00R	1	22	F	5	6					☒		
P6005-D22,22R	1	22,22	F	5	6					☒		
P6005-D22,23R	1	22,23	F	5	6					☒		
P6005-D22,42R	1	22,42	F	5	6					☒		
P6005-D22,50R	1	22,5	F	5	6					☒		
P6005-D22,70R	1	22,7	F	5	6					☒		
P6005-D22,77R	1	22,77	F	5	6					☒		
P6005-D23,00R	1	23	F	5	6					☒		
P6005-D23,02R	1	23,02	F	5	6					☒		
P6005-D23,39R	1	23,39	F	5	6					☒		

Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

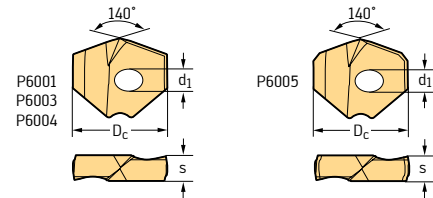
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25
P6005-D23,50R	1	23,5	F	5	6						
P6005-D23,70R	1	23,7	F	5	6						
P6005-D23,80R	1	23,8	F	5	6						
P6005-D23,81R	1	23,81	F	5	6						
P6005-D24,00R	1	24	G	5	6,5						
P6005-D24,21R	1	24,21	G	5	6,5						
P6005-D24,50R	1	24,5	G	5	6,5						
P6005-D24,59R	1	24,59	G	5	6,5						
P6005-D24,61R	1	24,61	G	5	6,5						
P6005-D24,70R	1	24,7	G	5	6,5						
P6005-D25,00R	1	25	G	5	6,5						
P6005-D25,25R	1	25,25	G	5	6,5						
P6005-D25,40R	1	25,4	G	5	6,5						
P6005-D25,50R	1	25,5	G	5	6,5						
P6005-D25,70R	1	25,7	G	5	6,5						
P6005-D25,80R	1	25,8	G	5	6,5						
P6005-D26,00R	1	26	H	6	7,1						
P6005-D26,25R	1	26,25	H	6	7,1						
P6005-D26,50R	1	26,5	H	6	7,1						
P6005-D26,59R	1	26,59	H	6	7,1						
P6005-D27,00R	1	27	H	6	7,1						
P6005-D27,50R	1	27,5	H	6	7,1						
P6005-D27,78R	1	27,78	H	6	7,1						
P6005-D28,00R	1	28	J	6	7,7						
P6005-D28,17R	1	28,17	J	6	7,7						
P6005-D28,50R	1	28,5	J	6	7,7						
P6005-D28,57R	1	28,57	J	6	7,7						
P6005-D29,00R	1	29	J	6	7,7						
P6005-D29,50R	1	29,5	J	6	7,7						
P6005-D29,77R	1	29,77	J	6	7,7						
P6005-D30,00R	1	30	K	6	8						
P6005-D30,15R	1	30,15	K	6	8						
P6005-D30,50R	1	30,5	K	6	8						
P6005-D31,00R	1	31	K	6	8						
P6005-D31,50R	1	31,5	K	6	8						
P6005-D31,75R	1	31,75	K	6	8						
P6005-D31,99R	1	31,99	K	6	8						
P6005-D32,00R	1	32	M	6	8,3						
P6005-D32,10R	1	32,1	M	6	8,3						
P6005-D33,00R	1	33	M	6	8,3						
P6005-D34,00R	1	34	N	6	8,6						
P6005-D35,00R	1	35	N	6	8,6						
P6005-D36,00R	1	36	P	6	8,9						

Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide



# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

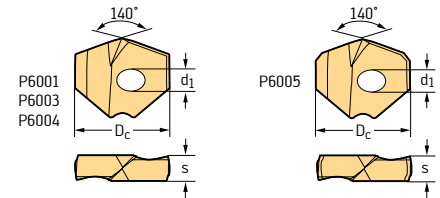
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	HC	HC	HC	HC
 P6005-D37,00R	1	37	P	6	8,9						
P6005-D37,99R	1	37,99	P	6	8,9						
 P6006-D12,00R	1	12	A	3,4	3,6	☺					
P6006-D12,10R	1	12,1	A	3,4	3,6	☺					
P6006-D12,20R	1	12,2	A	3,4	3,6	☺					
P6006-D12,30R	1	12,3	A	3,4	3,6	☺					
P6006-D12,40R	1	12,4	A	3,4	3,6	☺					
P6006-D12,50R	1	12,5	A	3,4	3,6	☺					
P6006-D12,60R	1	12,6	A	3,4	3,6	☺					
P6006-D12,70R	1	12,7	A	3,4	3,6	☺					
P6006-D12,80R	1	12,8	A	3,4	3,6	☺					
P6006-D12,90R	1	12,9	A	3,4	3,6	☺					
P6006-D12,95R	1	12,95	A	3,4	3,6	☺					
P6006-D13,00R	1	13	A	3,4	3,6	☺					
P6006-D13,11R	1	13,11	A	3,4	3,6	☺					
P6006-D13,20R	1	13,2	A	3,4	3,6	☺					
P6006-D13,25R	1	13,25	A	3,4	3,6	☺					
P6006-D13,30R	1	13,3	A	3,4	3,6	☺					
P6006-D13,35R	1	13,35	A	3,4	3,6	☺					
P6006-D13,40R	1	13,4	A	3,4	3,6	☺					
P6006-D13,45R	1	13,45	A	3,4	3,6	☺					
P6006-D13,50R	1	13,5	A	3,4	3,6	☺					
P6006-D13,60R	1	13,6	A	3,4	3,6	☺					
P6006-D13,70R	1	13,7	A	3,4	3,6	☺					
P6006-D13,80R	1	13,8	A	3,4	3,6	☺					
P6006-D13,89R	1	13,89	A	3,4	3,6	☺					
P6006-D14,00R	1	14	B	3,4	4	☺					
P6006-D14,10R	1	14,1	B	3,4	4	☺					
P6006-D14,20R	1	14,2	B	3,4	4	☺					
P6006-D14,30R	1	14,3	B	3,4	4	☺					
P6006-D14,40R	1	14,4	B	3,4	4	☺					
P6006-D14,50R	1	14,5	B	3,4	4	☺					
P6006-D14,60R	1	14,6	B	3,4	4	☺					
P6006-D14,68R	1	14,68	B	3,4	4	☺					
P6006-D14,80R	1	14,8	B	3,4	4	☺					
P6006-D14,90R	1	14,9	B	3,4	4	☺					
P6006-D15,00R	1	15	B	3,4	4	☺					
P6006-D15,09R	1	15,09	B	3,4	4	☺					
P6006-D15,20R	1	15,2	B	3,4	4	☺					
P6006-D15,30R	1	15,3	B	3,4	4	☺					
P6006-D15,35R	1	15,35	B	3,4	4	☺					
P6006-D15,40R	1	15,4	B	3,4	4	☺					
P6006-D15,47R	1	15,47	B	3,4	4	☺					

Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13,00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13,00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13,00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12,00R WPP45C

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

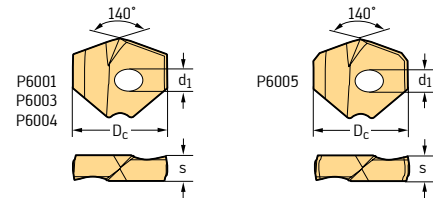
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S	
						HC	HC	HC	HC	HC	HC	
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25	WMP35
P6006-D15,50R	1	15,5	B	3,4	4	☺						
P6006-D15,60R	1	15,6	B	3,4	4	☺						
P6006-D15,70R	1	15,7	B	3,4	4	☺						
P6006-D15,80R	1	15,8	B	3,4	4	☺						
P6006-D15,87R	1	15,87	B	3,4	4	☺						
P6006-D16,00R	1	16	C	4,4	4,5	☺						
P6006-D16,13R	1	16,13	C	4,4	4,5	☺						
P6006-D16,26R	1	16,26	C	4,4	4,5	☺						
P6006-D16,43R	1	16,43	C	4,4	4,5	☺						
P6006-D16,50R	1	16,5	C	4,4	4,5	☺						
P6006-D16,66R	1	16,66	C	4,4	4,5	☺						
P6006-D16,70R	1	16,7	C	4,4	4,5	☺						
P6006-D16,85R	1	16,85	C	4,4	4,5	☺						
P6006-D17,00R	1	17	C	4,4	4,5	☺						
P6006-D17,07R	1	17,07	C	4,4	4,5	☺						
P6006-D17,20R	1	17,2	C	4,4	4,5	☺						
P6006-D17,35R	1	17,35	C	4,4	4,5	☺						
P6006-D17,45R	1	17,45	C	4,4	4,5	☺						
P6006-D17,50R	1	17,5	C	4,4	4,5	☺						
P6006-D17,60R	1	17,6	C	4,4	4,5	☺						
P6006-D17,70R	1	17,7	C	4,4	4,5	☺						
P6006-D17,86R	1	17,86	C	4,4	4,5	☺						
P6006-D18,00R	1	18	D	4,4	5	☺						
P6006-D18,24R	1	18,24	D	4,4	5	☺						
P6006-D18,50R	1	18,5	D	4,4	5	☺						
P6006-D18,65R	1	18,65	D	4,4	5	☺						
P6006-D18,70R	1	18,7	D	4,4	5	☺						
P6006-D18,80R	1	18,8	D	4,4	5	☺						
P6006-D19,00R	1	19	D	4,4	5	☺						
P6006-D19,05R	1	19,05	D	4,4	5	☺						
P6006-D19,10R	1	19,1	D	4,4	5	☺						
P6006-D19,20R	1	19,2	D	4,4	5	☺						
P6006-D19,25R	1	19,25	D	4,4	5	☺						
P6006-D19,30R	1	19,3	D	4,4	5	☺						
P6006-D19,35R	1	19,35	D	4,4	5	☺						
P6006-D19,43R	1	19,43	D	4,4	5	☺						
P6006-D19,50R	1	19,5	D	4,4	5	☺						
P6006-D19,60R	1	19,6	D	4,4	5	☺						
P6006-D19,70R	1	19,7	D	4,4	5	☺						
P6006-D19,84R	1	19,84	D	4,4	5	☺						
P6006-D20,00R	1	20	E	5,4	5,5	☺						
P6006-D20,20R	1	20,2	E	5,4	5,5	☺						
P6006-D20,24R	1	20,24	E	5,4	5,5	☺						

Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S	
						HC	HC	HC	HC	HC	HC	
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25	WMP35
P6006-D20,50R	1	20,5	E	5,4	5,5	☺						
P6006-D20,62R	1	20,62	E	5,4	5,5	☺						
P6006-D20,70R	1	20,7	E	5,4	5,5	☺						
P6006-D20,85R	1	20,85	E	5,4	5,5	☺						
P6006-D21,00R	1	21	E	5,4	5,5	☺						
P6006-D21,41R	1	21,41	E	5,4	5,5	☺						
P6006-D21,50R	1	21,5	E	5,4	5,5	☺						
P6006-D21,70R	1	21,7	E	5,4	5,5	☺						
P6006-D21,83R	1	21,83	E	5,4	5,5	☺						
P6006-D22,00R	1	22	F	5,4	6	☺						
P6006-D22,22R	1	22,22	F	5,4	6	☺						
P6006-D22,42R	1	22,42	F	5,4	6	☺						
P6006-D22,47R	1	22,47	F	5,4	6	☺						
P6006-D22,50R	1	22,5	F	5,4	6	☺						
P6006-D22,60R	1	22,6	F	5,4	6	☺						
P6006-D22,62R	1	22,62	F	5,4	6	☺						
P6006-D22,70R	1	22,7	F	5,4	6	☺						
P6006-D22,77R	1	22,77	F	5,4	6	☺						
P6006-D23,00R	1	23	F	5,4	6	☺						
P6006-D23,10R	1	23,1	F	5,4	6	☺						
P6006-D23,39R	1	23,39	F	5,4	6	☺						
P6006-D23,50R	1	23,5	F	5,4	6	☺						
P6006-D23,70R	1	23,7	F	5,4	6	☺						
P6006-D23,80R	1	23,8	F	5,4	6	☺						
P6006-D24,00R	1	24	G	5,4	6,5	☺						
P6006-D24,21R	1	24,21	G	5,4	6,5	☺						
P6006-D24,50R	1	24,5	G	5,4	6,5	☺						
P6006-D24,59R	1	24,59	G	5,4	6,5	☺						
P6006-D24,70R	1	24,7	G	5,4	6,5	☺						
P6006-D25,00R	1	25	G	5,4	6,5	☺						
P6006-D25,25R	1	25,25	G	5,4	6,5	☺						
P6006-D25,40R	1	25,4	G	5,4	6,5	☺						
P6006-D25,50R	1	25,5	G	5,4	6,5	☺						
P6006-D25,60R	1	25,6	G	5,4	6,5	☺						
P6006-D25,65R	1	25,65	G	5,4	6,5	☺						
P6006-D25,70R	1	25,7	G	5,4	6,5	☺						
P6006-D25,80R	1	25,8	G	5,4	6,5	☺						
P6006-D26,00R	1	26	H	6,4	7,1	☺						
P6006-D26,25R	1	26,25	H	6,4	7,1	☺						
P6006-D26,50R	1	26,5	H	6,4	7,1	☺						
P6006-D26,59R	1	26,59	H	6,4	7,1	☺						
P6006-D27,00R	1	27	H	6,4	7,1	☺						
P6006-D27,38R	1	27,38	H	6,4	7,1	☺						

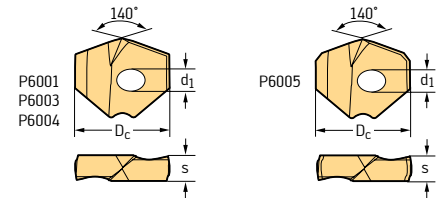
Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel): P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S): P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P): P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide



# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

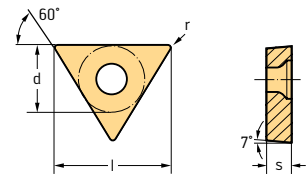
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC
P6006-D27,50R	1	27,5	H	6,4	7,1	☺					
P6006-D27,78R	1	27,78	H	6,4	7,1	☺					
P6006-D28,00R	1	28	J	6,4	7,7	☺					
P6006-D28,17R	1	28,17	J	6,4	7,7	☺					
P6006-D28,35R	1	28,35	J	6,4	7,7	☺					
P6006-D28,50R	1	28,5	J	6,4	7,7	☺					
P6006-D28,57R	1	28,57	J	6,4	7,7	☺					
P6006-D29,00R	1	29	J	6,4	7,7	☺					
P6006-D29,10R	1	29,1	J	6,4	7,7	☺					
P6006-D29,37R	1	29,37	J	6,4	7,7	☺					
P6006-D29,50R	1	29,5	J	6,4	7,7	☺					
P6006-D29,77R	1	29,77	J	6,4	7,7	☺					
P6006-D30,00R	1	30	K	6,4	8	☺					
P6006-D30,15R	1	30,15	K	6,4	8	☺					
P6006-D30,50R	1	30,5	K	6,4	8	☺					
P6006-D31,00R	1	31	K	6,4	8	☺					
P6006-D31,35R	1	31,35	K	6,4	8	☺					
P6006-D31,50R	1	31,5	K	6,4	8	☺					
P6006-D31,75R	1	31,75	K	6,4	8	☺					
P6006-D31,99R	1	31,99	K	6,4	8	☺					
P6006-D32,00R	1	32	M	6,4	8,3	☺					
P6006-D32,10R	1	32,1	M	6,4	8,3	☺					
P6006-D33,00R	1	33	M	6,4	8,3	☺					
P6006-D34,00R	1	34	N	6,4	8,6	☺					
P6006-D34,10R	1	34,1	N	6,4	8,6	☺					
P6006-D34,60R	1	34,6	N	6,4	8,6	☺					
P6006-D35,00R	1	35	N	6,4	8,6	☺					
P6006-D36,00R	1	36	P	6,4	8,9	☺					
P6006-D37,00R	1	37	P	6,4	8,9	☺					
P6006-D37,99R	1	37,99	P	6,4	8,9	☺					

Ordering example: P60..-D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R WPP45C

HC = Coated carbide





B1

Positive triangular 60°  
TCMT  
Tiger-tec® Gold



## Indexable inserts

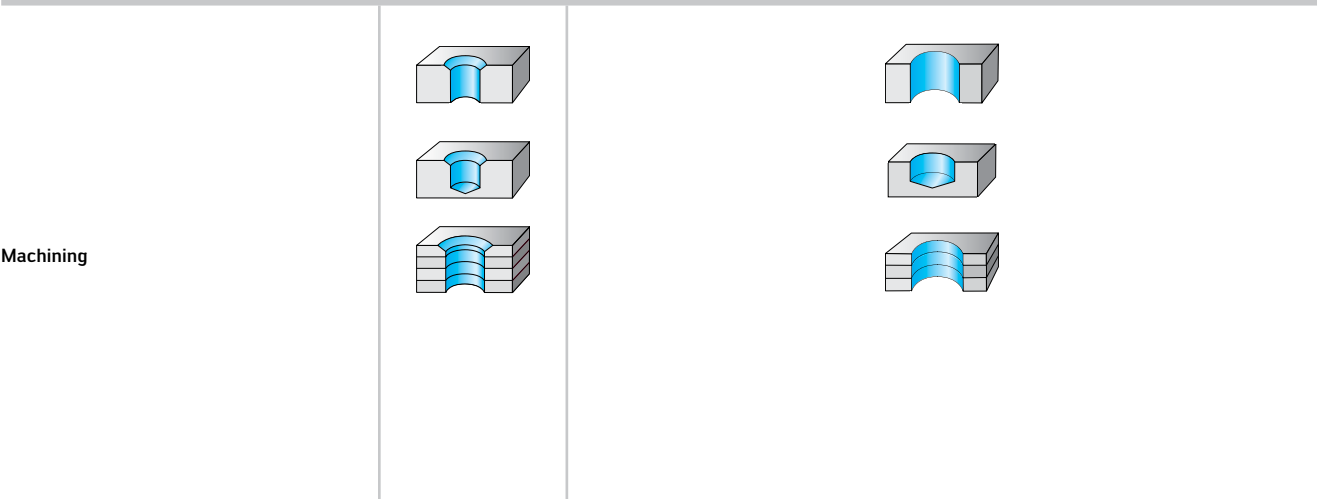
B1

Designation	l mm	r mm	P					K
			HC					
			WKP01G	WPP10G	WPP20G	WPP30G	WEP10C	
 TCMT06T102-FP4	6.87	0.2			☺			
TCMT06T104-FP4	6.87	0.4			☺		☺	
TCMT090202-FP4	9.62	0.2			☺			
TCMT090204-FP4	9.62	0.4	☺	☺	☺		☺	☺
TCMT090208-FP4	9.62	0.8			☺			
TCMT110202-FP4	11	0.2			☺			
TCMT110204-FP4	11	0.4	☺	☺	☺		☺	☺
TCMT110208-FP4	11	0.8			☺			
TCMT16T302-FP4	16.5	0.2			☺			
TCMT16T304-FP4	16.5	0.4	☺	☺	☺		☺	☺
TCMT16T308-FP4	16.5	0.8			☺		☺	
 TCMT110204-FP6	11	0.4			☺			
TCMT110208-FP6	11	0.8			☺			
TCMT16T304-FP6	16.5	0.4			☺			
TCMT16T308-FP6	16.5	0.8			☺			
 TCMT090204-MP4	9.62	0.4			☺			
TCMT090208-MP4	9.62	0.8			☺			
TCMT110204-MP4	11	0.4	☺	☺	☺			
TCMT110208-MP4	11	0.8	☺	☺	☺			
TCMT16T304-MP4	16.5	0.4	☺	☺	☺			
TCMT16T308-MP4	16.5	0.8	☺	☺	☺			
TCMT220408-MP4	22	0.8			☺			
 TCMT090204-RP4	9.62	0.4			☺	☹		
TCMT090208-RP4	9.62	0.8			☺	☹		
TCMT110204-RP4	11	0.4	☺	☺	☺	☹		
TCMT110208-RP4	11	0.8	☺	☺	☺	☹		
TCMT16T304-RP4	16.5	0.4	☺	☺	☺	☹		
TCMT16T308-RP4	16.5	0.8	☺	☺	☺	☹		
TCMT16T312-RP4	16.5	1.2	☺	☺	☺	☹		

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WPP20G: TCMT06T102-FP4 WPP20G

HC = Coated carbide  
HE = Coated cermet

## Indexable insert drills



<b>Drilling depth</b>	2,5 x D <sub>C</sub>	1,3 x D <sub>C</sub>	3 x D <sub>C</sub>	3 x D <sub>C</sub>	5 x D <sub>C</sub>
	Selection	Selection	Selection	Selection	Selection
<b>Designation</b>	D4240	D4140 Drion-tec™	D4140 Drion-tec™	D4140 Drion-tec™	D4140 Drion-tec™
<b>Effective cutting edges</b>	2	2	2	2	2
<b>Diameter range</b>					
[mm]	12–29	12–25,99		12–37,99	12–31,99
[inch]			0,472–1,22	0,472–1,496	0,472–1,22
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●
<b>H</b> Hard materials					
<b>O</b> Other					

**Indexable insert types**



P600 .

<b>Number of cutting edges</b>	1	1	1	1	1
<b>Page in catalogue</b>	200	202	206	204	210
<b>QR code</b>					
	D4240	D4140	D4140	D4140	D4140

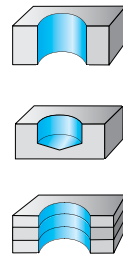
[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)





B1

## Indexable insert drills

Machining

B1



Drilling depth	5 x D <sub>C</sub>	7 x D <sub>C</sub>	7 x D <sub>C</sub>	10 x D <sub>C</sub>
	Selection	Selection	Selection	Selection
				
Designation	D4140 Drion-tec™	D4140 Drion-tec™	D4140 Drion-tec™	D4140 Drion-tec™
Effective cutting edges	2	2	2	2
Diameter range				
[mm]	12–37,99	12–31,99	12–37,99	12–25,99
[inch]	0,472–1,496	0,472–1,22	0,472–1,496	0,472–1,023
P Steel	●●	●●	●●	●●
M Stainless steel	●●	●	●	●
K Cast iron	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●
S Materials with difficult cutting properties	●	●	●	●
H Hard materials				
O Other				

Indexable insert types

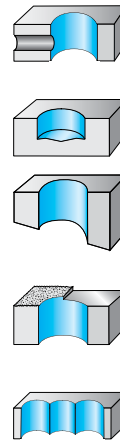


P600 .

Number of cutting edges	1	1	1	1
Page in catalogue	210	220	220	226
QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	D4140	D4140	D4140	D4140

## Indexable insert drills

Machining



Drilling depth	3 x D <sub>C</sub>	2 x D <sub>C</sub>	3 x D <sub>C</sub>	4 x D <sub>C</sub>	5 x D <sub>C</sub>
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Designation	D4170	D4120 Drion-tec™	D4120 Drion-tec™	D4120 Drion-tec™	D4120 Drion-tec™
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Effective cutting edges	1	1	1	1	1
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Diameter range					
[mm]	65–80	13,5–59	13,5–59	16,5–59	16,5–59
[inch]		0,531–2,250	0,531–2,250	0,656–2,250	0,656–2,250

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

Indexable insert types



P484 .C



P484 .P

Number of cutting edges	4	4	4	4	4
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Page in catalogue

QR code



D4170



D4120



D4120



D4120



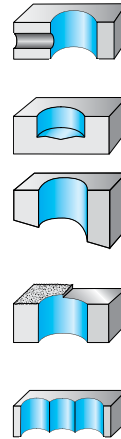
D4120

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

# Indexable insert drills

B1

Machining



Drilling depth	2 x D <sub>C</sub>	3 x D <sub>C</sub>	4 x D <sub>C</sub>	2 x D <sub>C</sub>	2 x D <sub>C</sub>
----------------	--------------------	--------------------	--------------------	--------------------	--------------------



Designation	D3120 Drion-tec™	D3120 Drion-tec™	D3120 Drion-tec™	B3212	B3212
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Effective cutting edges	1	1	1	1	1
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Diameter range					
[mm]	16-42	16-58	16-42	10-18	
[inch]		0,750-1,500	0,750-1,500		0,391-0,625

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

Indexable insert types



P284.S



LC.

Number of cutting edges	4	4	4	2	2
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Page in catalogue

QR code



D3120



D3120



D3120



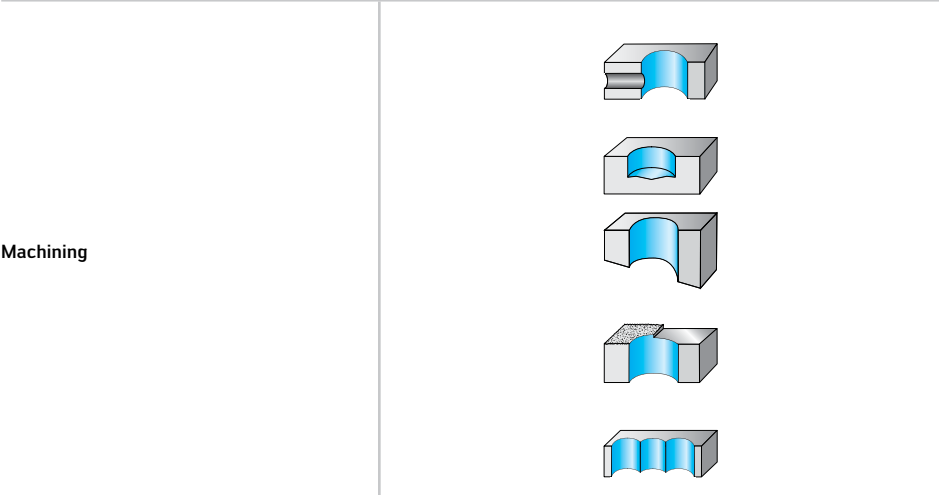
B3212



B3212

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

# Indexable insert drills



Drilling depth	3 x D <sub>C</sub>	3 x D <sub>C</sub>	4 x D <sub>C</sub>
----------------	--------------------	--------------------	--------------------



Designation	B3213	B3213	B3214
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Effective cutting edges	1	1	1
-------------------------	---	---	---

Diameter range			
[mm]	10-18		10-18
[inch]		0,391-0,64	

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

Indexable insert types



LC

Number of cutting edges	2	2	2
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Page in catalogue

QR code



<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	B3213	B3213	B3214
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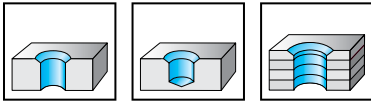
# Exchangeable-tip drills

D4240

Drion-tec™



B1



$D_c$ 12– 29,99	$2,5 \times D_c$	90°	140°	Z=2
-----------------------	------------------	-----	------	-----

	P	M	K	N	S	H	O
D4240	●	●	●	●	●		

Tool	Designation	$D_c$ mm	$D_1$ mm	$L_c$ mm	$l_4$ mm	$l_5$ mm	$d_1$ mm	$d_4$ mm	kg	No. of inserts	Seat size	Type
Cylindrical shank with flat	D4240-02-12.00F20-A	12	23,7	36,5	69,28	50	20	30	0,22	1	A	P600 . -D12, ..
	D4240-02-14.00F20-B	14	25,7	40,6	76	50	20	30	0,26	1	B	P600 . -D14, ..
	D4240-02-15.00F20-B	15	26,7	47,8	81,09	50	20	30	0,25	1	B	P600 . -D15, ..
	D4240-02-17.00F20-C	17	28,7	48,2	87,64	50	20	30	0,3	1	C	P600 . -D17, ..
Cylindrical shank with flat	D4240-02-19.00F20-D	19	30,7	53,4	96,91	50	20	30	0,34	1	D	P600 . -D19, ..
	D4240-02-21.00F20-E	21	32,7	54,6	103,27	50	20	30	0,37	1	E	P600 . -D21, ..
	D4240-02-24.00F25-G	24	43,4	61,7	117,36	56	25	35	0,63	1	G	P600 . -D24, ..
	D4240-02-26.00F25-H	26	45,4	67,3	125,55	56	25	35	0,68	1	H	P600 . -D26, ..
	D4240-02-29.00F32-J	29	48,4	69,2	134,9	60	32	42	1,08	1	J	P600 . -D29, ..

Bodies and assembly parts are included in the scope of delivery

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



### Assembly parts

D <sub>c</sub> [mm]		12	14-15	17	19	21	24	26	29
	Clamping screw for P600. drill insert Tightening torque	FS1396 (T7IP) 1,2 Nm	FS1397 (T8IP) 2 Nm	FS1398 (T8IP) 2 Nm	FS1399 (T15IP) 4 Nm	FS1400 (T20IP) 5 Nm	FS1402 (T20IP) 5 Nm	FS1403 (T25IP) 5,5 Nm	FS1404 (T25IP) 5,5 Nm
	Clamping screw for TC.. chamfer insert Tightening torque	FS2061 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS2063 (T15IP) 3 Nm	FS2063 (T15IP) 3 Nm	FS2063 (T15IP) 3 Nm

### Accessories

D <sub>c</sub> [mm]		12	14-17	19	21-24	26-29
	Torque T-handle					FS2041
	Torque screwdriver, analogue	FS2001	FS2003	FS2003	FS2003	
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

### Interchangeable inserts

Designation	l mm	D <sub>c</sub> mm	r mm	P		M		K		N		S			
				HC		HC		HC		HC		HC			
				WMP35	WPP20G	WPP25	WPP45C	WSM20S	WMP35	WSM20S	WKK20S	WKK45C	WNN25	WMP35	WSM20S
P6001-D..		12-29,8													
P6003-D..		12-29,8		☹											
P6004-D..		12-29,5													
P6005-D..		12-29,8									☹				
P6006-D..		12-29,8			☹										
TCGT110208-MP4	11		0,8	☹											
TCGT16T308-MK4	16,5		0,8												
TCGT16T308-MM4	16,5		0,8												☹
TCMT110208-MK4	11		0,8												
TCMT110208-MM4	11		0,8												☹
TCMT110208-MP4	11		0,8	☹											
TCMT16T308-MK4	16,5		0,8												
TCMT16T308-MM4	16,5		0,8												☹
TCMT16T308-MP4	16,5		0,8	☹											

HC = Coated carbide

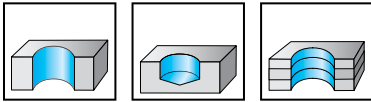
# Exchangeable-tip drills

D4140

Drion-tec™



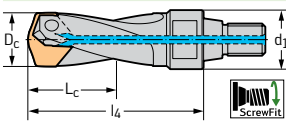
B1



$D_c$ 12– 25,99	$1,3 \times D_c$	$140^\circ$	$Z=2$
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	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

## Tool



ScrewFit

Designation	$D_c$ mm	$L_c$ mm	$l_4$ mm	$d_1$	Z	kg	No. of inserts	Seat size	Version
D4140-01-12.00T14-A	12	18	47,6	T14	2	0,05	1	A	P600 . -D12, ..
D4140-01-13.00T14-A	13	19	49,9	T14	2	0,05	1	A	P600 . -D13, ..
D4140-01-14.00T14-B	14	21	52,2	T14	2	0,06	1	B	P600 . -D14, ..
D4140-01-15.00T18-B	15	22	54,5	T18	2	0,08	1	B	P600 . -D15, ..
D4140-01-16.00T18-C	16	24	56,8	T18	2	0,08	1	C	P600 . -D16, ..
D4140-01-17.00T18-C	17	25	59,1	T18	2	0,09	1	C	P600 . -D17, ..
D4140-01-18.00T18-D	18	27	61,4	T18	2	0,1	1	D	P600 . -D18, ..
D4140-01-19.00T22-D	19	28	63,7	T22	2	0,12	1	D	P600 . -D19, ..
D4140-01-20.00T22-E	20	30	66	T22	2	0,13	1	E	P600 . -D20, ..
D4140-01-21.00T22-E	21	31	68,3	T22	2	0,14	1	E	P600 . -D21, ..
D4140-01-22.00T22-F	22	33	71,6	T22	2	0,16	1	F	P600 . -D22, ..
D4140-01-23.00T28-F	23	34	73,9	T28	2	0,23	1	F	P600 . -D23, ..
D4140-01-24.00T28-G	24	36	76,2	T28	2	0,24	1	G	P600 . -D24, ..
D4140-01-25.00T28-G	25	37	78,5	T28	2	0,25	1	G	P600 . -D25, ..

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

D <sub>c</sub> [mm]	12–13	14–15	16–17	18–19	20–21	22–23	24–25
	FS1396 (T7IP)	FS1397 (T8IP)	FS1398 (T8IP)	FS1399 (T15IP)	FS1400 (T20IP)	FS1401 (T20IP)	FS1402 (T20IP)
	1,2 Nm	2 Nm	2 Nm	4 Nm	5 Nm	5 Nm	5 Nm

### Accessories

D <sub>c</sub> [mm]	12–13	14–17	18–19	20–25
	FS2001	FS2003	FS2003	FS2003
	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)
	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Interchangeable inserts

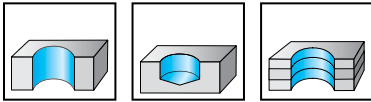
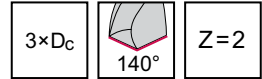
Designation	D <sub>c</sub> mm	P		M	K	N	S
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25
	P6001-D..			HC			
P6003-D..	12–25,8	☞		HC			
P6004-D..	12–25,5			HC			
P6005-D..	12–25,8				☞		
P6006-D..	12–25,8		☞				

HC = Coated carbide

# Exchangeable-tip drills

D4140

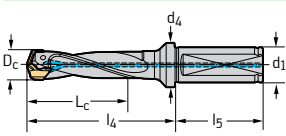
Drion-tec™



	P	M	K	N	S	H	O
D4140	●●	●●	●●	●●	●●		

B1

## Tool



Cylindrical shank with flat

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-03-12.00F16-A	12	36	68	48	16	20	0,13	1	A	P600 . -D12, ..
D4140-03-13.00F16-A	13	41	72	48	16	20	0,14	1	A	P600 . -D13, ..
D4140-03-14.00F16-B	14	45	76	48	16	20	0,14	1	B	P600 . -D14, ..
D4140-03-15.00F16-B	15	48	80	48	16	20	0,15	1	B	P600 . -D15, ..
D4140-03-16.00F20-C	16	51	84	50	20	25	0,23	1	C	P600 . -D16, ..
D4140-03-17.00F20-C	17	54	88	50	20	25	0,24	1	C	P600 . -D17, ..
D4140-03-18.00F20-D	18	57	92	50	20	25	0,25	1	D	P600 . -D18, ..
D4140-03-19.00F20-D	19	61	96	50	20	25	0,26	1	D	P600 . -D19, ..
D4140-03-20.00F20-E	20	64	100	50	20	25	0,28	1	E	P600 . -D20, ..
D4140-03-21.00F20-E	21	67	104	50	20	25	0,29	1	E	P600 . -D21, ..
D4140-03-22.00F25-F	22	70	109	56	25	32	0,44	1	F	P600 . -D22, ..
D4140-03-23.00F25-F	23	73	113	56	25	32	0,46	1	F	P600 . -D23, ..
D4140-03-24.00F25-G	24	76	117	56	25	32	0,48	1	G	P600 . -D24, ..
D4140-03-25.00F25-G	25	80	121	56	25	32	0,5	1	G	P600 . -D25, ..
D4140-03-26.00F25-H	26	83	125	56	25	32	0,52	1	H	P600 . -D26, ..
D4140-03-27.00F25-H	27	86	129	56	25	32	0,55	1	H	P600 . -D27, ..
D4140-03-28.00F32-J	28	89	134	60	32	40	0,78	1	J	P600 . -D28, ..
D4140-03-29.00F32-J	29	92	138	60	32	40	0,85	1	J	P600 . -D29, ..
D4140-03-30.00F32-K	30	95	142	60	32	40	0,89	1	K	P600 . -D30, ..
D4140-03-31.00F32-K	31	99	146	60	32	40	0,92	1	K	P600 . -D31, ..
D4140-03-32.00F40-M	32	102	150	70	40	50	1,31	1	M	P600 . -D32, ..
D4140-03-33.00F40-M	33	105	154	70	40	50	1,38	1	M	P600 . -D33, ..
D4140-03-34.00F40-N	34	108	158	70	40	50	1,37	1	N	P600 . -D34, ..
D4140-03-35.00F40-N	35	111	162	70	40	50	1,43	1	N	P600 . -D35, ..
D4140-03-36.00F40-P	36	115	166	70	40	50	1,46	1	P	P600 . -D36, ..
D4140-03-37.00F40-P	37	118	170	70	40	50	1,54	1	P	P600 . -D37, ..

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

D <sub>c</sub> [mm]	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-33	34-37
Tightening torque	FS1396 (T7IP) 1,2 Nm	FS1397 (T8IP) 2 Nm	FS1398 (T8IP) 2 Nm	FS1399 (T15IP) 4 Nm	FS1400 (T20IP) 5 Nm	FS1401 (T20IP) 5 Nm	FS1402 (T20IP) 5 Nm	FS1403 (T25IP) 5,5 Nm	FS1404 (T25IP) 5,5 Nm	FS2159 (T25IP) 5,5 Nm

### Accessories

D <sub>c</sub> [mm]	12-13	14-17	18-19	20-25	26-37
***					FS2041
***	FS2001	FS2003	FS2003	FS2003	
***	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
***	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

### Interchangeable inserts

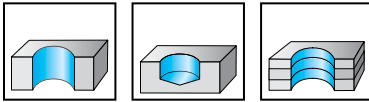
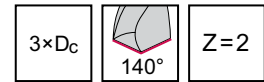
Designation	D <sub>c</sub> mm	P		M		K		N		S	
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35	HC	HC	HC
P6001-D..	12-38										
P6003-D..	12-38										
P6004-D..	12-31,5										
P6005-D..	12-38										
P6006-D..	12-38										

HC = Coated carbide

# Exchangeable-tip drills

D4140 inch

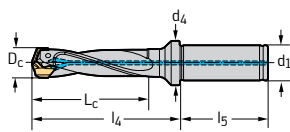
Drion-tec™



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1

## Tool



Cylindrical shank with collar

Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Seat size	Version
D4140.03-12.00A15-A	0,472	1,496	68	1,890	0,625	0,787	0,287	1	A	P600 . -D12, ..
D4140.03-13.00A15-A	0,512	1,614	71,996	1,890	0,625	0,787	0,309	1	A	P600 . -D13, ..
D4140.03-14.00A15-B	0,551	1,772	75,998	1,890	0,625	0,787	0,353	1	B	P600 . -D14, ..
D4140.03-15.00A15-B	0,591	1,890	80	1,890	0,625	0,787	0,351	1	B	P600 . -D15, ..
D4140.03-16.00A19-C	0,630	2,008	84,002	2,031	0,750	0,984	0,485	1	C	P600 . -D16, ..
D4140.03-17.00A19-C	0,669	2,126	88,004	2,031	0,750	0,984	0,536	1	C	P600 . -D17, ..
D4140.03-18.00A19-D	0,709	2,244	91,996	2,031	0,750	0,984	0,551	1	D	P600 . -D18, ..
D4140.03-19.00A19-D	0,748	2,362	95,986	2,031	0,750	0,984	0,562	1	D	P600 . -D19, ..
D4140.03-20.00A19-E	0,787	2,48	100	2,031	0,750	0,984	0,615	1	E	P600 . -D20, ..
D4140.03-21.00A19-E	0,827	2,598	104,002	2,031	0,750	0,984	0,639	1	E	P600 . -D21, ..
D4140.03-22.00A26-F	0,866	2,756	109,004	2,281	1,000	1,260	1,019	1	F	P600 . -D22, ..
D4140.03-24.00A26-G	0,945	2,992	117	2,281	1,000	1,260	1,257	1	G	P600 . -D24, ..
D4140.03-26.00A26-H	1,024	3,268	125,002	2,281	1,000	1,260	1,213	1	H	P600 . -D26, ..
D4140.03-28.00A31-J	1,102	3,504	133,996	2,281	1,250	1,575	1,786	1	J	P600 . -D28, ..
D4140.03-30.00A31-K	1,181	3,74	142	2,281	1,250	1,575	1,94	1	K	P600 . -D30, ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts		0,472–0,512	0,551–0,591	0,63–0,669	0,709–0,748	0,787–0,827	0,866	0,945	1,024	1,102–1,181
	Tightening torque	FS1396 (T7IP) 0,885 lbs	FS1397 (T8IP) 1,475 lbs	FS1398 (T8IP) 1,475 lbs	FS1399 (T15IP) 2,95 lbs	FS1400 (T20IP) 3,688 lbs	FS1401 (T20IP) 3,688 lbs	FS1402 (T20IP) 3,688 lbs	FS1403 (T25IP) 4,057 lbs	FS1404 (T25IP) 4,057 lbs

Accessories		0,472–0,512	0,551–0,669	0,709–0,748	0,787–0,945	1,024–1,181
	***					FS2042
	***	FS2002	FS2004	FS2004	FS2004	
	***	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
	***	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

Interchangeable inserts			P	M	K	N	S		
			HC	HC	HC	HC	HC		
		D <sub>c</sub> inch	WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35
	P6001-D..	0,472–1,201							
	P6003-D..	0,472–1,201							
	P6004-D..	0,472–1,201							
	P6005-D..	0,472–1,201							
	P6006-D..	0,472–1,201							

HC = Coated carbide

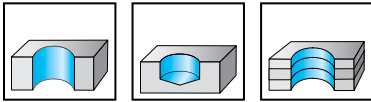
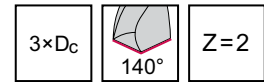
**WALTER SELECT** Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = ☹ → Moderate = ☹

B1

# Exchangeable-tip drills

D4140 inch

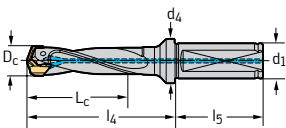
Drion-tec™



	P	M	K	N	S	H	O
D4140	●●	●●	●●	●●	●●		

B1

## Tool







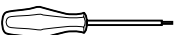
Cylindrical shank with flat

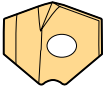
Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Seat size	Version
D4140.03-12.00F15-A	0,472	1,496	68	1,890	0,625	0,787	0,311	1	A	P600 . -D12, ..
D4140.03-13.00F15-A	0,512	1,614	72	1,890	0,625	0,787	0,322	1	A	P600 . -D13, ..
D4140.03-14.00F15-B	0,551	1,772	76	1,890	0,625	0,787	0,331	1	B	P600 . -D14, ..
D4140.03-15.00F15-B	0,591	1,890	80	1,890	0,625	0,787	0,359	1	B	P600 . -D15, ..
D4140.03-16.00F19-C	0,630	2,008	84	2,031	0,750	0,984	0,485	1	C	P600 . -D16, ..
D4140.03-17.00F19-C	0,669	2,126	88	2,031	0,750	0,984	0,507	1	C	P600 . -D17, ..
D4140.03-18.00F19-D	0,709	2,244	92	2,031	0,750	0,984	0,538	1	D	P600 . -D18, ..
D4140.03-19.00F19-D	0,748	2,362	96	2,031	0,750	0,984	0,569	1	D	P600 . -D19, ..
D4140.03-20.00F19-E	0,787	2,520	100	2,031	0,750	0,984	0,602	1	E	P600 . -D20, ..
D4140.03-21.00F19-E	0,827	2,638	104	2,031	0,750	0,984	0,635	1	E	P600 . -D21, ..
D4140.03-22.00F26-F	0,866	2,756	109	2,281	1,000	1,260	0,999	1	F	P600 . -D22, ..
D4140.03-23.00F26-F	0,906	2,874	113	2,281	1,000	1,260	1,045	1	F	P600 . -D23, ..
D4140.03-24.00F26-G	0,945	2,992	117	2,281	1,000	1,260	1,082	1	G	P600 . -D24, ..
D4140.03-25.00F26-G	0,984	3,150	121	2,281	1,000	1,260	1,133	1	G	P600 . -D25, ..
D4140.03-26.00F26-H	1,024	3,268	125	2,281	1,000	1,260	1,184	1	H	P600 . -D26, ..
D4140.03-27.00F26-H	1,063	3,386	129,004	2,281	1,000	1,260	1,265	1	H	P600 . -D27, ..
D4140.03-28.00F31-J	1,102	3,504	133,996	2,281	1,250	1,575	1,706	1	J	P600 . -D28, ..
D4140.03-29.00F31-J	1,142	3,622	137,998	2,281	1,250	1,575	1,843	1	J	P600 . -D29, ..
D4140.03-30.00F31-K	1,181	3,74	142	2,281	1,250	1,575	1,905	1	K	P600 . -D30, ..
D4140.03-31.00F31-K	1,22	3,898	146,002	2,281	1,250	1,575	1,973	1	K	P600 . -D31, ..
D4140.03-32.00F31-M	1,260	4,016	150	2,281	1,250	1,575	2,006	1	M	P600 . -D32, ..
D4140.03-33.00F31-M	1,299	4,134	153,99	2,281	1,250	1,575	2,083	1	M	P600 . -D33, ..
D4140.03-34.00F38-N	1,339	4,252	158	2,688	1,500	1,969	2,806	1	N	P600 . -D34, ..
D4140.03-35.00F38-N	1,378	4,37	162	2,688	1,500	1,969	2,989	1	N	P600 . -D35, ..
D4140.03-36.00F38-P	1,417	4,528	166	2,688	1,500	1,969	2,954	1	P	P600 . -D36, ..
D4140.03-37.00F38-P	1,457	4,646	170	2,688	1,500	1,969	3,153	1	P	P600 . -D37, ..

Bodies and assembly parts are included in the scope of delivery



Assembly parts		0,472–0,512	0,551–0,591	0,63–0,669	0,709–0,748	0,787–0,827	0,866–0,906	0,945–0,984	1,024–1,063	1,102–1,299	1,339–1,457
	Clamping screw for drill insert Tightening torque	FS1396 (T7IP) 0,885 lbs	FS1397 (T8IP) 1,475 lbs	FS1398 (T8IP) 1,475 lbs	FS1399 (T15IP) 2,95 lbs	FS1400 (T20IP) 3,688 lbs	FS1401 (T20IP) 3,688 lbs	FS1402 (T20IP) 3,688 lbs	FS1403 (T25IP) 4,057 lbs	FS1404 (T25IP) 4,057 lbs	FS2159 (T25IP) 4,057 lbs

Accessories		0,472–0,512	0,551–0,669	0,709–0,748	0,787–0,984	1,024–1,457
	Torque T-handle					FS2042
	Torque screwdriver, analogue	FS2002	FS2004	FS2004	FS2004	
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

Interchangeable inserts			P	M	K	N	S		
			HC	HC	HC	HC	HC		
			WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35
Designation	D <sub>c</sub> inch								
 P6001-D..	0,472–1,496			☼					
P6003-D..	0,472–1,496		☼		☼				☼
P6004-D..	0,472–1,240						☼		
P6005-D..	0,472–1,496				☼				
P6006-D..	0,472–1,496		☼						

HC = Coated carbide

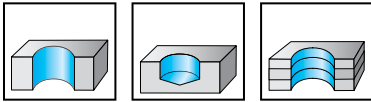
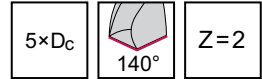
**WALTER SELECT** Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = ☹ → Moderate = ☹

B1

# Exchangeable-tip drills

D4140

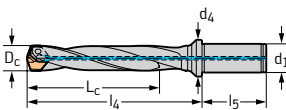
Drion-tec™



P	M	K	N	S	H	O
●	●	●	●	●		

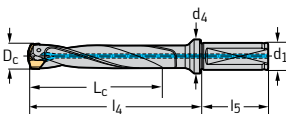
B1

## Tool



Cylindrical shank with collar

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-05-12.00A16-A	12	62	92	48	16	20	0,15	1	A	P600 . -D12, ..
D4140-05-13.00A16-A	13	67	98	48	16	20	0,16	1	A	P600 . -D13, ..
D4140-05-14.00A16-B	14	73	104	48	16	20	0,17	1	B	P600 . -D14, ..
D4140-05-15.00A16-B	15	78	110	48	16	20	0,16	1	B	P600 . -D15, ..
D4140-05-16.00A20-C	16	83	116	50	20	25	0,26	1	C	P600 . -D16, ..
D4140-05-17.00A20-C	17	88	122	50	20	25	0,26	1	C	P600 . -D17, ..
D4140-05-18.00A20-D	18	93	128	50	20	25	0,3	1	D	P600 . -D18, ..
D4140-05-19.00A20-D	19	98	134	50	20	25	0,29	1	D	P600 . -D19, ..
D4140-05-20.00A20-E	20	104	140	50	20	25	0,34	1	E	P600 . -D20, ..
D4140-05-21.00A20-E	21	109	146	50	20	25	0,38	1	E	P600 . -D21, ..
D4140-05-22.00A25-F	22	114	153	56	25	32	0,53	1	F	P600 . -D22, ..
D4140-05-23.00A25-F	23	119	159	56	25	32	0,56	1	F	P600 . -D23, ..
D4140-05-24.00A25-G	24	124	165	56	25	32	0,59	1	G	P600 . -D24, ..
D4140-05-25.00A25-G	25	130	171	56	25	32	0,62	1	G	P600 . -D25, ..
D4140-05-26.00A25-H	26	135	177	56	25	32	0,6	1	H	P600 . -D26, ..
D4140-05-27.00A25-H	27	140	183	56	25	32	0,7	1	H	P600 . -D27, ..
D4140-05-28.00A32-J	28	145	190	60	32	40	0,8	1	J	P600 . -D28, ..
D4140-05-29.00A32-J	29	150	196	60	32	40	1	1	J	P600 . -D29, ..
D4140-05-30.00A32-K	30	155	202	60	32	40	1	1	K	P600 . -D30, ..
D4140-05-31.00A32-K	31	161	208	60	32	40	1,14	1	K	P600 . -D31, ..



Cylindrical shank with flat


D4140-05-12.00F16-A	12	62	92	48	16	20	0,14	1	A	P600 . -D12, ..
D4140-05-13.00F16-A	13	67	98	48	16	20	0,15	1	A	P600 . -D13, ..
D4140-05-14.00F16-B	14	73	104	48	16	20	0,16	1	B	P600 . -D14, ..
D4140-05-15.00F16-B	15	78	110	48	16	20	0,18	1	B	P600 . -D15, ..
D4140-05-16.00F20-C	16	83	116	50	20	25	0,24	1	C	P600 . -D16, ..
D4140-05-17.00F20-C	17	88	122	50	20	25	0,28	1	C	P600 . -D17, ..
D4140-05-18.00F20-D	18	93	128	50	20	25	0,29	1	D	P600 . -D18, ..
D4140-05-19.00F20-D	19	98	134	50	20	25	0,31	1	D	P600 . -D19, ..
D4140-05-20.00F20-E	20	104	140	50	20	25	0,3	1	E	P600 . -D20, ..
D4140-05-21.00F20-E	21	109	146	50	20	25	0,37	1	E	P600 . -D21, ..
D4140-05-22.00F25-F	22	114	153	56	25	32	0,53	1	F	P600 . -D22, ..
D4140-05-23.00F25-F	23	119	159	56	25	32	0,56	1	F	P600 . -D23, ..
D4140-05-24.00F25-G	24	124	165	56	25	32	0,59	1	G	P600 . -D24, ..
D4140-05-25.00F25-G	25	130	171	56	25	32	0,62	1	G	P600 . -D25, ..
D4140-05-26.00F25-H	26	135	177	56	25	32	0,65	1	H	P600 . -D26, ..

Bodies and assembly parts are included in the scope of delivery




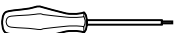
WALTER SELECT

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊

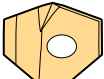
### Assembly parts

D <sub>c</sub> [mm]	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-33	34-37
 Clamping screw for drill insert Tightening torque	FS1396 (T7IP)	FS1397 (T8IP)	FS1398 (T8IP)	FS1399 (T15IP)	FS1400 (T20IP)	FS1401 (T20IP)	FS1402 (T20IP)	FS1403 (T25IP)	FS1404 (T25IP)	FS2159 (T25IP)
	1,2 Nm	2 Nm	2 Nm	4 Nm	5 Nm	5 Nm	5 Nm	5,5 Nm	5,5 Nm	5,5 Nm

### Accessories

D <sub>c</sub> [mm]	12-13	14-17	18-19	20-25	26-37
 Torque T-handle					FS2041
 Torque screwdriver, analogue	FS2001	FS2003	FS2003	FS2003	
 Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
 Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

### Interchangeable inserts

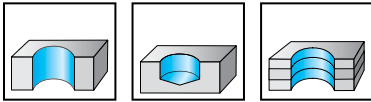
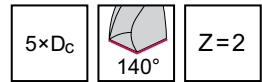
Designation	D <sub>c</sub> mm	P		M	K	N	S
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25
 P6001-D..	12-38			☺			
P6003-D..	12-38	☺		☺			☺
P6004-D..	12-31,5					☺	
P6005-D..	12-38				☺		
P6006-D..	12-38	☺					

HC = Coated carbide

## Exchangeable-tip drills

 D4140 

Drion-tec™



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

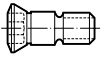
B1

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
<p>Cylindrical shank with flat</p>	D4140-05-27.00F25-H	27	140	183	56	25	32	0,69	1	H	P600 . -D27, ..
	D4140-05-28.00F32-J	28	145	190	60	32	40	0,97	1	J	P600 . -D28, ..
	D4140-05-29.00F32-J	29	150	196	60	32	40	1	1	J	P600 . -D29, ..
	D4140-05-30.00F32-K	30	155	202	60	32	40	1,05	1	K	P600 . -D30, ..
	D4140-05-31.00F32-K	31	161	208	60	32	40	1,12	1	K	P600 . -D31, ..
	D4140-05-32.00F40-M	32	166	214	70	40	50	1,51	1	M	P600 . -D32, ..
	D4140-05-33.00F40-M	33	171	220	70	40	50	1,55	1	M	P600 . -D33, ..
	D4140-05-34.00F40-N	34	176	226	70	40	50	1,61	1	N	P600 . -D34, ..
	D4140-05-35.00F40-N	35	181	232	70	40	50	1,66	1	N	P600 . -D35, ..
	D4140-05-36.00F40-P	36	187	238	70	40	50	1,72	1	P	P600 . -D36, ..
	D4140-05-37.00F40-P	37	192	244	70	40	50	1,78	1	P	P600 . -D37, ..




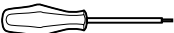
Bodies and assembly parts are included in the scope of delivery

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

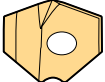
### Assembly parts

D <sub>c</sub> [mm]	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-33	34-37
 Clamping screw for drill insert Tightening torque	FS1396 (T7IP)	FS1397 (T8IP)	FS1398 (T8IP)	FS1399 (T15IP)	FS1400 (T20IP)	FS1401 (T20IP)	FS1402 (T20IP)	FS1403 (T25IP)	FS1404 (T25IP)	FS2159 (T25IP)
	1,2 Nm	2 Nm	2 Nm	4 Nm	5 Nm	5 Nm	5 Nm	5,5 Nm	5,5 Nm	5,5 Nm

### Accessories

D <sub>c</sub> [mm]	12-13	14-17	18-19	20-25	26-37
 Torque T-handle					FS2041
 Torque screwdriver, analogue	FS2001	FS2003	FS2003	FS2003	
 Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
 Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

### Interchangeable inserts

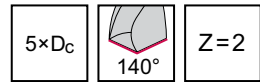
Designation	D <sub>c</sub> mm	P		M	K	N	S
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25
 P6001-D..	12-38			☺			
P6003-D..	12-38	☺		☺			☺
P6004-D..	12-31,5					☺	
P6005-D..	12-38				☺		
P6006-D..	12-38	☺					

HC = Coated carbide

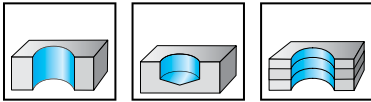
# Exchangeable-tip drills

D4140 inch

**Drion-tec™**

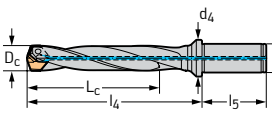


B1



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

## Tool



Cylindrical shank with collar

Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Seat size	Version
D4140.05-12.00A15-A	0,472	2,441	92,004	1,890	0,625	0,787	0,348	1	A	P600 . -D12, ..
D4140.05-13.00A15-A	0,512	2,638	97,996	1,890	0,625	0,787	0,37	1	A	P600 . -D13, ..
D4140.05-14.00A15-B	0,551	2,874	103,998	1,890	0,625	0,787	0,39	1	B	P600 . -D14, ..
D4140.05-15.00A15-B	0,591	3,071	110	1,890	0,625	0,787	0,417	1	B	P600 . -D15, ..
D4140.05-16.00A19-C	0,630	3,268	116,002	2,031	0,750	0,984	0,560	1	C	P600 . -D16, ..
D4140.05-17.00A19-C	0,669	3,465	122,004	2,031	0,750	0,984	0,573	1	C	P600 . -D17, ..
D4140.05-18.00A19-D	0,709	3,661	127,996	2,031	0,750	0,984	0,619	1	D	P600 . -D18, ..
D4140.05-19.00A19-D	0,748	3,858	133,998	2,031	0,750	0,984	0,705	1	D	P600 . -D19, ..
D4140.05-20.00A19-E	0,787	4,094	140	2,031	0,750	0,984	0,765	1	E	P600 . -D20, ..
D4140.05-21.00A19-E	0,827	4,291	146,002	2,031	0,750	0,984	0,814	1	E	P600 . -D21, ..
D4140.05-22.00A26-F	0,866	4,488	153,004	2,281	1,000	1,260	1,19	1	F	P600 . -D22, ..
D4140.05-24.00A26-G	0,945	4,882	164,998	2,281	1,000	1,260	1,323	1	G	P600 . -D24, ..
D4140.05-26.00A26-H	1,024	5,315	177,002	2,281	1,000	1,260	1,49	1	H	P600 . -D26, ..
D4140.05-28.00A31-J	1,102	5,709	189,996	2,281	1,250	1,575	1,947	1	J	P600 . -D28, ..
D4140.05-30.00A31-K	1,181	6,102	202	2,281	1,250	1,575	2,313	1	K	P600 . -D30, ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts		0,472–0,512	0,551–0,591	0,63–0,669	0,709–0,748	0,787–0,827	0,866	0,945	1,024	1,102–1,181
	Clamping screw for drill insert Tightening torque	FS1396 (T7IP) 0,885 lbs	FS1397 (T8IP) 1,475 lbs	FS1398 (T8IP) 1,475 lbs	FS1399 (T15IP) 2,95 lbs	FS1400 (T20IP) 3,688 lbs	FS1401 (T20IP) 3,688 lbs	FS1402 (T20IP) 3,688 lbs	FS1403 (T25IP) 4,057 lbs	FS1404 (T25IP) 4,057 lbs

Accessories		0,472–0,512	0,551–0,669	0,709–0,748	0,787–0,945	1,024–1,181
	Torque T-handle					FS2042
	Torque screwdriver, analogue	FS2002	FS2004	FS2004	FS2004	
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

Interchangeable inserts			P	M	K	N	S		
			HC	HC	HC	HC	HC		
		D <sub>c</sub> inch	WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35
	P6001-D..	0,472–1,201							
	P6003-D..	0,472–1,201							
	P6004-D..	0,472–1,201							
	P6005-D..	0,472–1,201							
	P6006-D..	0,472–1,201							

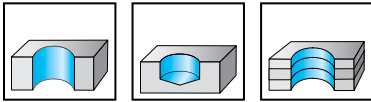
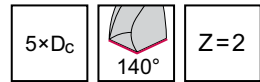
HC = Coated carbide

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

# Exchangeable-tip drills

D4140 inch

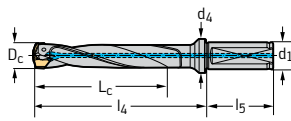
Drion-tec™



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1

## Tool







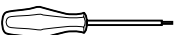
Cylindrical shank with flat

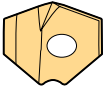
Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Seat size	Version
D4140.05-12.00F15-A	0,472	2,441	92,004	1,890	0,625	0,787	0,340	1	A	P600 . -D12, ..
D4140.05-13.00F15-A	0,512	2,638	97,996	1,890	0,625	0,787	0,302	1	A	P600 . -D13, ..
D4140.05-14.00F15-B	0,551	2,874	103,998	1,890	0,625	0,787	0,379	1	B	P600 . -D14, ..
D4140.05-15.00F15-B	0,591	3,071	110	1,890	0,625	0,787	0,406	1	B	P600 . -D15, ..
D4140.05-16.00F19-C	0,630	3,268	116,002	2,031	0,750	0,984	0,551	1	C	P600 . -D16, ..
D4140.05-17.00F19-C	0,669	3,465	122,004	2,031	0,750	0,984	0,595	1	C	P600 . -D17, ..
D4140.05-18.00F19-D	0,709	3,661	127,996	2,031	0,750	0,984	0,622	1	D	P600 . -D18, ..
D4140.05-19.00F19-D	0,748	3,858	133,998	2,031	0,750	0,984	0,666	1	D	P600 . -D19, ..
D4140.05-20.00F19-E	0,787	4,094	140	2,031	0,750	0,984	0,750	1	E	P600 . -D20, ..
D4140.05-21.00F19-E	0,827	4,291	146,002	2,031	0,750	0,984	0,798	1	E	P600 . -D21, ..
D4140.05-22.00F26-F	0,866	4,488	153,004	2,281	1,000	1,260	1,19	1	F	P600 . -D22, ..
D4140.05-23.00F26-F	0,906	4,685	158,996	2,281	1,000	1,260	1,263	1	F	P600 . -D23, ..
D4140.05-24.00F26-G	0,945	4,882	164,998	2,281	1,000	1,260	1,316	1	G	P600 . -D24, ..
D4140.05-25.00F26-G	0,984	5,118	171	2,281	1,000	1,260	1,400	1	G	P600 . -D25, ..
D4140.05-26.00F26-H	1,024	5,315	177,002	2,281	1,000	1,260	1,464	1	H	P600 . -D26, ..
D4140.05-27.00F26-H	1,063	5,512	183,004	2,281	1,000	1,260	1,537	1	H	P600 . -D27, ..
D4140.05-28.00F31-J	1,102	5,709	189,996	2,281	1,250	1,575	2,079	1	J	P600 . -D28, ..
D4140.05-29.00F31-J	1,142	5,906	195,998	2,281	1,250	1,575	2,18	1	J	P600 . -D29, ..
D4140.05-30.00F31-K	1,181	6,339	202	2,281	1,250	1,575	2,271	1	K	P600 . -D30, ..
D4140.05-31.00F31-K	1,22	6,339	208,002	2,281	1,250	1,575	2,394	1	K	P600 . -D31, ..
D4140.05-32.00F31-M	1,260	6,535	214,004	2,281	1,250	1,575	2,429	1	M	P600 . -D32, ..
D4140.05-33.00F31-M	1,299	6,732	219,996	2,281	1,250	1,575	2,551	1	M	P600 . -D33, ..
D4140.05-34.00F38-N	1,339	6,929	225,997	2,688	1,500	1,969	3,331	1	N	P600 . -D34, ..
D4140.05-35.00F38-N	1,378	7,126	231,999	2,688	1,500	1,969	3,417	1	N	P600 . -D35, ..
D4140.05-36.00F38-P	1,417	7,362	238,001	2,688	1,500	1,969	3,578	1	P	P600 . -D36, ..
D4140.05-37.00F38-P	1,457	7,559	244,003	2,688	1,500	1,969	3,704	1	P	P600 . -D37, ..

Bodies and assembly parts are included in the scope of delivery



Assembly parts		0,472–0,512	0,551–0,591	0,63–0,669	0,709–0,748	0,787–0,827	0,866–0,906	0,945–0,984	1,024–1,063	1,102–1,299	1,339–1,457
	Clamping screw for drill insert Tightening torque	FS1396 (T7IP) 0,885 lbs	FS1397 (T8IP) 1,475 lbs	FS1398 (T8IP) 1,475 lbs	FS1399 (T15IP) 2,95 lbs	FS1400 (T20IP) 3,688 lbs	FS1401 (T20IP) 3,688 lbs	FS1402 (T20IP) 3,688 lbs	FS1403 (T25IP) 4,057 lbs	FS1404 (T25IP) 4,057 lbs	FS2159 (T25IP) 4,057 lbs

Accessories		0,472–0,512	0,551–0,669	0,709–0,748	0,787–0,984	1,024–1,457
	Torque T-handle					FS2042
	Torque screwdriver, analogue	FS2002	FS2004	FS2004	FS2004	
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

Interchangeable inserts			P	M	K	N	S		
			HC	HC	HC	HC	HC		
			WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35
Designation	D <sub>c</sub> inch								
 P6001-D..	0,472–1,496			☼					
P6003-D..	0,472–1,496		☼		☼				☼
P6004-D..	0,472–1,240						☼		
P6005-D..	0,472–1,496				☼				
P6006-D..	0,472–1,496		☼						

HC = Coated carbide

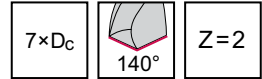
**WALTER SELECT** Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = ☹ → Moderate = ☹☹

B1

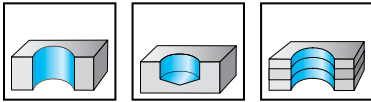
# Exchangeable-tip drills

D4140

Drion-tec™

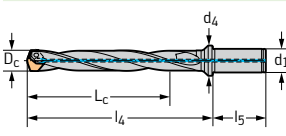


B1



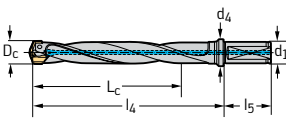
D4140	P	M	K	N	S	H	O
	●	●	●	●	●		

## Tool



Cylindrical shank with collar

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-07-12.00A16-A	12	86	116	48	16	20	0,17	1	A	P600 . -D12, ..
D4140-07-13.00A16-A	13	93	124	48	16	20	0,18	1	A	P600 . -D13, ..
D4140-07-14.00A16-B	14	101	132	48	16	20	0,2	1	B	P600 . -D14, ..
D4140-07-15.00A16-B	15	108	140	48	16	20	0,23	1	B	P600 . -D15, ..
D4140-07-16.00A20-C	16	115	148	50	20	25	0,31	1	C	P600 . -D16, ..
D4140-07-17.00A20-C	17	122	156	50	20	25	0,33	1	C	P600 . -D17, ..
D4140-07-18.00A20-D	18	133	164	50	20	25	0,35	1	D	P600 . -D18, ..
D4140-07-19.00A20-D	19	136	172	50	20	25	0,37	1	D	P600 . -D19, ..
D4140-07-20.00A20-E	20	144	180	50	20	25	0,4	1	E	P600 . -D20, ..
D4140-07-21.00A20-E	21	151	188	50	20	25	0,43	1	E	P600 . -D21, ..
D4140-07-22.00A25-F	22	158	197	56	25	32	0,61	1	F	P600 . -D22, ..
D4140-07-23.00A25-F	23	165	205	56	25	32	0,65	1	F	P600 . -D23, ..
D4140-07-24.00A25-G	24	172	213	56	25	32	0,69	1	G	P600 . -D24, ..
D4140-07-25.00A25-G	25	180	221	56	25	32	0,76	1	G	P600 . -D25, ..
D4140-07-26.00A25-H	26	187	229	56	25	32	0,8	1	H	P600 . -D26, ..
D4140-07-27.00A25-H	27	194	237	56	25	32	0,84	1	H	P600 . -D27, ..
D4140-07-28.00A32-J	28	201	246	60	32	40	1,04	1	J	P600 . -D28, ..
D4140-07-29.00A32-J	29	208	254	60	32	40	1	1	J	P600 . -D29, ..
D4140-07-30.00A32-K	30	215	262	60	32	40	1,24	1	K	P600 . -D30, ..
D4140-07-31.00A32-K	31	223	270	60	32	40	1,3	1	K	P600 . -D31, ..



Cylindrical shank with flat

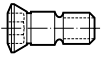
D4140-07-12.00F16-A	12	86	116	48	16	20	0,16	1	A	P600 . -D12, ..
D4140-07-13.00F16-A	13	93	124	48	16	20	0,17	1	A	P600 . -D13, ..
D4140-07-14.00F16-B	14	101	132	48	16	20	0,19	1	B	P600 . -D14, ..
D4140-07-15.00F16-B	15	108	140	48	16	20	0,2	1	B	P600 . -D15, ..
D4140-07-16.00F20-C	16	115	148	50	20	25	0,3	1	C	P600 . -D16, ..
D4140-07-17.00F20-C	17	122	156	50	20	25	0,32	1	C	P600 . -D17, ..
D4140-07-18.00F20-D	18	126	164	50	20	25	0,34	1	D	P600 . -D18, ..
D4140-07-19.00F20-D	19	136	172	50	20	25	0,37	1	D	P600 . -D19, ..
D4140-07-20.00F20-E	20	144	180	50	20	25	0,39	1	E	P600 . -D20, ..
D4140-07-21.00F20-E	21	151	188	50	20	25	0,43	1	E	P600 . -D21, ..
D4140-07-22.00F25-F	22	158	197	56	25	32	0,6	1	F	P600 . -D22, ..
D4140-07-23.00F25-F	23	165	205	56	25	32	0,64	1	F	P600 . -D23, ..
D4140-07-24.00F25-G	24	172	213	56	25	32	0,68	1	G	P600 . -D24, ..
D4140-07-25.00F25-G	25	180	221	56	25	32	0,71	1	G	P600 . -D25, ..
D4140-07-26.00F25-H	26	187	229	56	25	32	0,78	1	H	P600 . -D26, ..

Bodies and assembly parts are included in the scope of delivery




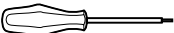
WALTER SELECT

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊

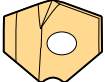
### Assembly parts

D <sub>c</sub> [mm]	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-33	34-37
 Clamping screw for drill insert Tightening torque	FS1396 (T7IP)	FS1397 (T8IP)	FS1398 (T8IP)	FS1399 (T15IP)	FS1400 (T20IP)	FS1401 (T20IP)	FS1402 (T20IP)	FS1403 (T25IP)	FS1404 (T25IP)	FS2159 (T25IP)
	1,2 Nm	2 Nm	2 Nm	4 Nm	5 Nm	5 Nm	5 Nm	5,5 Nm	5,5 Nm	5,5 Nm

### Accessories

D <sub>c</sub> [mm]	12-13	14-17	18-19	20-25	26-37
 Torque T-handle					FS2041
 Torque screwdriver, analogue	FS2001	FS2003	FS2003	FS2003	
 Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
 Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

### Interchangeable inserts

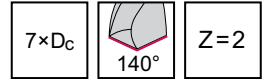
Designation	D <sub>c</sub> mm	P		M		K		N		S	
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35	HC	HC	HC
 P6001-D..	12-38										
P6003-D..	12-38										
P6004-D..	12-31,5										
P6005-D..	12-38										
P6006-D..	12-38										

HC = Coated carbide

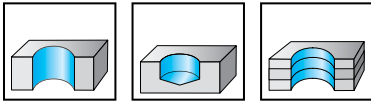
# Exchangeable-tip drills

D4140

**Drion-tec™**

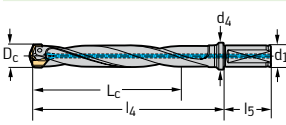


B1



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

## Tool




Cylindrical shank with flat




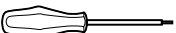
Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-07-27.00F25-H	27	194	237	56	25	32	0,82	1	H	P600 . -D27, ..
D4140-07-28.00F32-J	28	201	246	60	32	40	1	1	J	P600 . -D28, ..
D4140-07-29.00F32-J	29	208	254	60	32	40	1,14	1	J	P600 . -D29, ..
D4140-07-30.00F32-K	30	215	262	60	32	40	1,24	1	K	P600 . -D30, ..
D4140-07-31.00F32-K	31	223	270	60	32	40	1,28	1	K	P600 . -D31, ..
D4140-07-32.00F40-M	32	230	278	70	40	50	1,8	1	M	P600 . -D32, ..
D4140-07-33.00F40-M	33	237	286	70	40	50	1,86	1	M	P600 . -D33, ..
D4140-07-34.00F40-N	34	244	294	70	40	50	1,94	1	N	P600 . -D34, ..
D4140-07-35.00F40-N	35	251	302	70	40	50	2,06	1	N	P600 . -D35, ..
D4140-07-36.00F40-P	36	259	310	70	40	50	2,09	1	P	P600 . -D36, ..
D4140-07-37.00F40-P	37	266	318	70	40	50	2,21	1	P	P600 . -D37, ..

Bodies and assembly parts are included in the scope of delivery

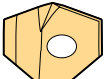
### Assembly parts

D <sub>c</sub> [mm]	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-33	34-37
 Clamping screw for drill insert Tightening torque	FS1396 (T7IP)	FS1397 (T8IP)	FS1398 (T8IP)	FS1399 (T15IP)	FS1400 (T20IP)	FS1401 (T20IP)	FS1402 (T20IP)	FS1403 (T25IP)	FS1404 (T25IP)	FS2159 (T25IP)
	1,2 Nm	2 Nm	2 Nm	4 Nm	5 Nm	5 Nm	5 Nm	5,5 Nm	5,5 Nm	5,5 Nm

### Accessories

D <sub>c</sub> [mm]	12-13	14-17	18-19	20-25	26-37
 Torque T-handle					FS2041
 Torque screwdriver, analogue	FS2001	FS2003	FS2003	FS2003	
 Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
 Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

### Interchangeable inserts

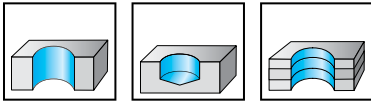
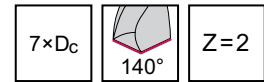
Designation	D <sub>c</sub> mm	P		M	K	N	S
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25
 P6001-D..	12-38			☺			
P6003-D..	12-38	☺		☺			☺
P6004-D..	12-31,5					☺	
P6005-D..	12-38				☺		
P6006-D..	12-38	☺					

HC = Coated carbide

## Exchangeable-tip drills

D4140 inch

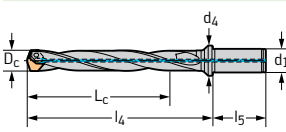
**Drion-tec™**



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1

### Tool




Cylindrical shank with collar




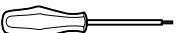
Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Seat size	Version
D4140.07-12.00A15-A	0,472	3,386	116,004	1,890	0,625	0,787	0,377	1	A	P600 . -D12, ..
D4140.07-13.00A15-A	0,512	3,661	123,996	1,890	0,625	0,787	0,406	1	A	P600 . -D13, ..
D4140.07-14.00A15-B	0,551	3,976	131,998	1,890	0,625	0,787	0,419	1	B	P600 . -D14, ..
D4140.07-15.00A15-B	0,591	4,252	140	1,890	0,625	0,787	0,467	1	B	P600 . -D15, ..
D4140.07-16.00A19-C	0,630	4,528	148,002	2,031	0,750	0,984	0,659	1	C	P600 . -D16, ..
D4140.07-17.00A19-C	0,669	4,803	156,004	2,031	0,750	0,984	0,710	1	C	P600 . -D17, ..
D4140.07-18.00A19-D	0,709	5,079	163,996	2,031	0,750	0,984	0,750	1	D	P600 . -D18, ..
D4140.07-19.00A19-D	0,748	5,354	171,998	2,031	0,750	0,984	0,805	1	D	P600 . -D19, ..
D4140.07-20.00A19-E	0,787	5,669	180	2,031	0,750	0,984	0,875	1	E	P600 . -D20, ..
D4140.07-21.00A19-E	0,827	5,945	188,002	2,031	0,750	0,984	0,946	1	E	P600 . -D21, ..
D4140.07-22.00A26-F	0,866	6,22	197,004	2,281	1,000	1,260	1,345	1	F	P600 . -D22, ..
D4140.07-24.00A26-G	0,945	6,772	212,998	2,281	1,000	1,260	1,541	1	G	P600 . -D24, ..
D4140.07-26.00A26-H	1,024	7,362	229,002	2,281	1,000	1,260	1,720	1	H	P600 . -D26, ..
D4140.07-28.00A31-J	1,102	7,913	245,996	2,281	1,250	1,575	2,427	1	J	P600 . -D28, ..
D4140.07-30.00A31-K	1,181	8,465	262	2,281	1,250	1,575	2,668	1	K	P600 . -D30, ..

Bodies and assembly parts are included in the scope of delivery

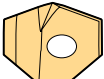
### Assembly parts

D <sub>c</sub> [inch]	0,472–0,512	0,551–0,591	0,63–0,669	0,709–0,748	0,787–0,827	0,866	0,945	1,024	1,102–1,181
 Clamping screw for drill insert Tightening torque	FS1396 (T7IP)	FS1397 (T8IP)	FS1398 (T8IP)	FS1399 (T15IP)	FS1400 (T20IP)	FS1401 (T20IP)	FS1402 (T20IP)	FS1403 (T25IP)	FS1404 (T25IP)
	0,885 lbs	1,475 lbs	1,475 lbs	2,95 lbs	3,688 lbs	3,688 lbs	3,688 lbs	4,057 lbs	4,057 lbs

### Accessories

D <sub>c</sub> [inch]	0,472–0,512	0,551–0,669	0,709–0,748	0,787–0,945	1,024–1,181
 Torque T-handle					FS2042
 Torque screwdriver, analogue	FS2002	FS2004	FS2004	FS2004	
 Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
 Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

### Interchangeable inserts

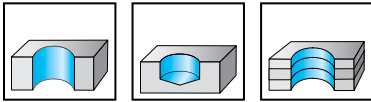
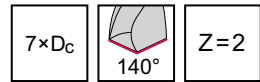
Designation	D <sub>c</sub> inch	P		M	K	N	S
		WMP35	WPP25	WPP45C	WKK45C	WNN25	WMP35
 P6001-D..	0,472–1,201			☺			
P6003-D..	0,472–1,201	☺		☺			☺
P6004-D..	0,472–1,201					☺	
P6005-D..	0,472–1,201				☺		
P6006-D..	0,472–1,201	☺					

HC = Coated carbide

# Exchangeable-tip drills

D4140 inch

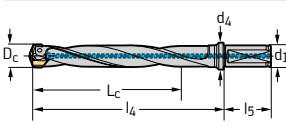
Drion-tec™



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1

## Tool



Cylindrical shank with flat

Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Seat size	Version
D4140.07-12.00F15-A	0,472	3,386	116,004	1,890	0,625	0,787	0,366	1	A	P600 . -D12, ..
D4140.07-13.00F15-A	0,512	3,661	123,996	1,890	0,625	0,787	0,39	1	A	P600 . -D13, ..
D4140.07-14.00F15-B	0,551	3,976	132	1,890	0,625	0,787	0,421	1	B	P600 . -D14, ..
D4140.07-15.00F15-B	0,591	4,252	140	1,890	0,625	0,787	0,454	1	B	P600 . -D15, ..
D4140.07-16.00F19-C	0,630	4,528	148,025	2,031	0,750	0,984	0,617	1	C	P600 . -D16, ..
D4140.07-17.00F19-C	0,669	4,803	156	2,031	0,750	0,984	0,697	1	C	P600 . -D17, ..
D4140.07-18.00F19-D	0,709	5,079	164	2,031	0,750	0,984	0,734	1	D	P600 . -D18, ..
D4140.07-19.00F19-D	0,748	5,354	172	2,031	0,750	0,984	0,794	1	D	P600 . -D19, ..
D4140.07-20.00F19-E	0,787	5,669	180	2,031	0,750	0,984	0,858	1	E	P600 . -D20, ..
D4140.07-21.00F19-E	0,827	5,945	188	2,031	0,750	0,984	0,933	1	E	P600 . -D21, ..
D4140.07-22.00F26-F	0,866	6,22	197,004	2,281	1,000	1,260	1,351	1	F	P600 . -D22, ..
D4140.07-23.00F26-F	0,906	6,496	204,996	2,281	1,000	1,260	1,429	1	F	P600 . -D23, ..
D4140.07-24.00F26-G	0,945	6,772	213,002	2,281	1,000	1,260	1,523	1	G	P600 . -D24, ..
D4140.07-25.00F26-G	0,984	7,087	221	2,281	1,000	1,260	1,609	1	G	P600 . -D25, ..
D4140.07-26.00F26-H	1,024	7,362	229,002	2,281	1,000	1,260	1,702	1	H	P600 . -D26, ..
D4140.07-27.00F26-H	1,063	7,638	237,004	2,281	1,000	1,260	1,803	1	H	P600 . -D27, ..
D4140.07-28.00F31-J	1,102	7,913	245,996	2,281	1,250	1,575	2,379	1	J	P600 . -D28, ..
D4140.07-29.00F31-J	1,142	8,189	253,998	2,281	1,250	1,575	2,425	1	J	P600 . -D29, ..
D4140.07-30.00F31-K	1,181	8,465	262	2,281	1,250	1,575	2,844	1	K	P600 . -D30, ..
D4140.07-31.00F31-K	1,22	8,780	270,002	2,281	1,250	1,575	2,811	1	K	P600 . -D31, ..
D4140.07-32.00F31-M	1,260	9,055	278,004	2,281	1,250	1,575	2,866	1	M	P600 . -D32, ..
D4140.07-33.00F31-M	1,299	9,331	285,996	2,281	1,250	1,575	3,263	1	M	P600 . -D33, ..
D4140.07-34.00F38-N	1,339	9,606	293,997	2,688	1,500	1,969	4,034	1	N	P600 . -D34, ..
D4140.07-35.00F38-N	1,378	9,882	301,999	2,688	1,500	1,969	4,255	1	N	P600 . -D35, ..
D4140.07-36.00F38-P	1,417	10,197	310,001	2,688	1,500	1,969	4,359	1	P	P600 . -D36, ..
D4140.07-37.00F38-P	1,457	10,433	318,003	2,688	1,500	1,969	4,592	1	P	P600 . -D37, ..

Bodies and assembly parts are included in the scope of delivery



Assembly parts		0,472–0,512	0,551–0,591	0,63–0,669	0,709–0,748	0,787–0,827	0,866–0,906	0,945–0,984	1,024–1,063	1,102–1,299	1,339–1,457
	Clamping screw for drill insert Tightening torque	FS1396 (T7IP) 0,885 lbs	FS1397 (T8IP) 1,475 lbs	FS1398 (T8IP) 1,475 lbs	FS1399 (T15IP) 2,95 lbs	FS1400 (T20IP) 3,688 lbs	FS1401 (T20IP) 3,688 lbs	FS1402 (T20IP) 3,688 lbs	FS1403 (T25IP) 4,057 lbs	FS1404 (T25IP) 4,057 lbs	FS2159 (T25IP) 4,057 lbs

Accessories		0,472–0,512	0,551–0,669	0,709–0,748	0,787–0,984	1,024–1,457
	Torque T-handle					FS2042
	Torque screwdriver, analogue	FS2002	FS2004	FS2004	FS2004	
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2049 (T25IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1487 (T25IP)

### Interchangeable inserts

Designation	D <sub>c</sub> inch	P		M	K	N	S	
		HC	HC	HC	HC	HC	HC	
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35
P6001-D..	0,472–1,496			☼				
P6003-D..	0,472–1,496	☼			☼			☼
P6004-D..	0,472–1,240						☼	
P6005-D..	0,472–1,496				☼			
P6006-D..	0,472–1,496	☼						

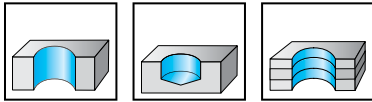
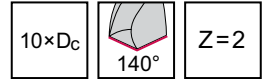
HC = Coated carbide

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

B1

## Exchangeable-tip drills

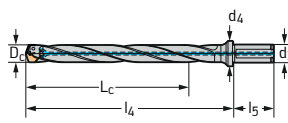
**D4140** 
**Drion-tec™**

 – P6006 – Can be used without pilot drilling up to  $10 \times D_c$ 


	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

**B1**

### Tool




Cylindrical shank with flat



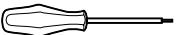
Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-10-12.00F16-A	12	120	152	48	16	20	0,16	1	A	P600 . -D12, ..
D4140-10-13.00F16-A	13	130	163	48	16	20	0,18	1	A	P600 . -D13, ..
D4140-10-14.00F16-B	14	140	174	48	16	20	0,2	1	B	P600 . -D14, ..
D4140-10-15.00F16-B	15	150	185	48	16	20	0,22	1	B	P600 . -D15, ..
D4140-10-16.00F20-C	16	160	196	50	20	25	0,31	1	C	P600 . -D16, ..
D4140-10-17.00F20-C	17	170	207	50	20	25	0,34	1	C	P600 . -D17, ..
D4140-10-18.00F20-D	18	180	218	50	20	25	0,4	1	D	P600 . -D18, ..
D4140-10-19.00F20-D	19	190	229	50	20	25	0,4	1	D	P600 . -D19, ..
D4140-10-20.00F20-E	20	200	240	50	20	25	0,48	1	E	P600 . -D20, ..
D4140-10-21.00F20-E	21	210	251	50	20	25	0,49	1	E	P600 . -D21, ..
D4140-10-22.00F25-F	22	220	263	56	25	32	0,71	1	F	P600 . -D22, ..
D4140-10-23.00F25-F	23	230	273	56	25	32	0,75	1	F	P600 . -D23, ..
D4140-10-24.00F25-G	24	240	285	56	25	32	0,82	1	G	P600 . -D24, ..
D4140-10-25.00F25-G	25	250	296	56	25	32	0,87	1	G	P600 . -D25, ..

Bodies and assembly parts are included in the scope of delivery

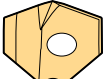
### Assembly parts

D <sub>c</sub> [mm]	12-13	14-15	16-17	18-19	20-21	22-23	24-25
	FS1396 (T7IP)	FS1397 (T8IP)	FS1398 (T8IP)	FS1399 (T15IP)	FS1400 (T20IP)	FS1401 (T20IP)	FS1402 (T20IP)
	Tightening torque 1,2 Nm	2 Nm	2 Nm	4 Nm	5 Nm	5 Nm	5 Nm

### Accessories

D <sub>c</sub> [mm]	12-13	14-17	18	19	20-24	21-25
	FS2001	FS2003	FS2003	FS2003	FS2003	FS2003
	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2014 (T15IP)	FS2015 (T20IP)	FS2015 (T20IP)
	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1485 (T15IP)	FS1486 (T20IP)	FS1486 (T20IP)

### Interchangeable inserts

Designation	D <sub>c</sub> mm	P		M	K	N	S
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25
 P6001-D..	12-25.8						
P6003-D..	12-25.8						
P6004-D..	12-25.5						
P6005-D..	12-25.8						
P6006-D..	12-25.8						

HC = Coated carbide

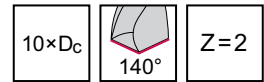
# Exchangeable-tip drills

D4140 inch

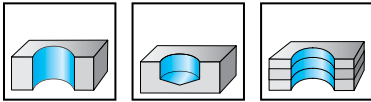
**Drion-tec™**



- P6006 - Can be used without pilot drilling up to  $10 \times D_c$



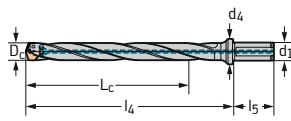
B1



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

## Tool

Designation	$D_c$ inch	$L_c$ inch	$l_4$ inch	$l_5$ inch	$d_1$ inch	$d_4$ inch	lbs	No. of inserts	Seat size	Version
D4140.10-12.00F15-A	0,472	4,724	152	1,890	0,625	0,787	0,353	1	A	P600 . -D12, ..
D4140.10-15.00F15-B	0,591	5,906	185	1,890	0,625	0,787	0,485	1	B	P600 . -D15, ..
D4140.10-19.00F19-D	0,748	7,48	229	2,031	0,750	0,984	0,882	1	D	P600 . -D19, ..
D4140.10-22.00F26-F	0,866	8,661	263	2,281	1,000	1,260	1,543	1	F	P600 . -D22, ..
D4140.10-25.00F26-G	0,984	9,843	296	2,281	1,000	1,260	1,984	1	G	P600 . -D25, ..



Cylindrical shank with flat

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	D <sub>c</sub> [inch]	0,472	0,591	0,748	0,866	0,984
	Clamping screw for drill insert Tightening torque	FS1396 (T7IP) 0,885 lbs	FS1397 (T8IP) 1,475 lbs	FS1399 (T15IP) 2,95 lbs	FS1401 (T20IP) 3,688 lbs	FS1402 (T20IP) 3,688 lbs

### Accessories

	D <sub>c</sub> [inch]	0,472	0,591	0,748	0,866-0,984
	Torque screwdriver, analogue	FS2002	FS2004	FS2004	FS2004
	Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Interchangeable inserts

Designation	D <sub>c</sub> inch	P		M	K	N	S
		HC	WMP35	WPP25	WPP45C	WMP35	WKK65C
P6001-D..	0,472-1,016			☺			
P6003-D..	0,472-1,016	☺		☺			☺
P6004-D..	0,472-1,004					☺	
P6005-D..	0,472-1,016				☺		
P6006-D..	0,472-1,016	☺					

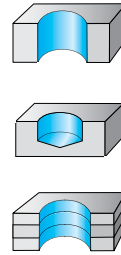
HC = Coated carbide

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

B1

## HSS drilling tools

B1



Drilling depth	3 x D <sub>C</sub>	5 x D <sub>C</sub>
----------------	--------------------	--------------------



Designation	A1154TFT VA Inox	A1149XPL UFL®	A1148 UFL®	A3153	A3143
Additional services					
Standard	DIN 1897	DIN 1897	DIN 1897	DIN 1899	DIN 1899
Coating / grade	TFT	XPL	uncoated	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range [mm]	2-16	1-20	1-20	0,15-1,4	0,05-1,45
<b>P</b> Steel	●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●	●
<b>K</b> Cast iron		●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●●	●●	●●
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●	●	●

Page in catalogue

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A1154TFT

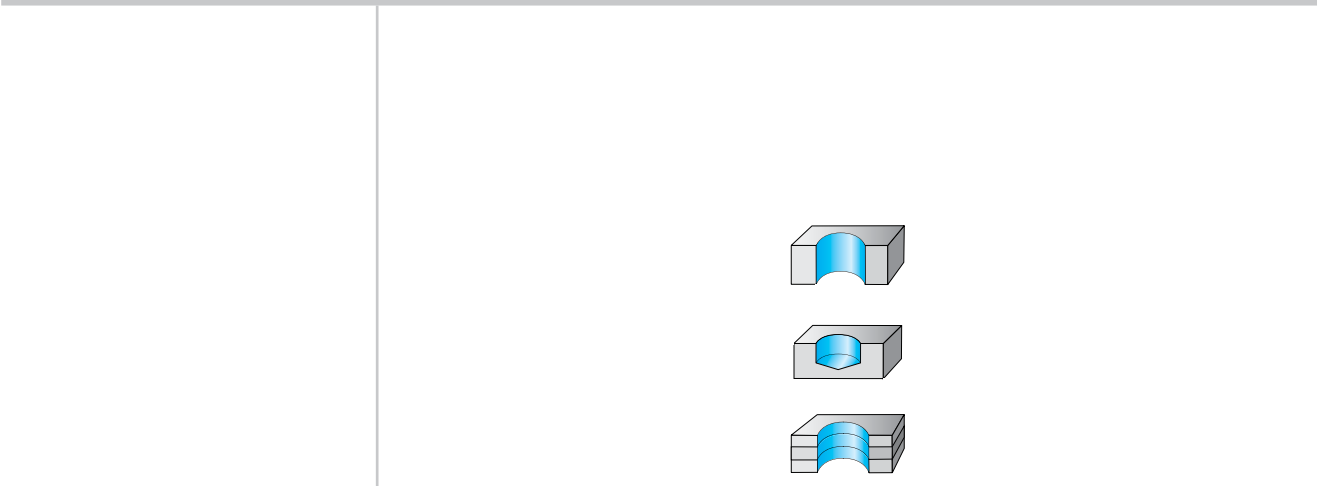
A1149XPL

A1148

A3153

A3143

## HSS drilling tools



Drilling depth  $8 \times D_C$



Designation	A1254TFT VA Inox	A1249XPL UFL®	A1222 UFL®	A1244 VA	Z3515
Additional services					
Standard	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338
Coating / grade	TFT	XPL	uncoated	uncoated	
Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	
Diameter range [mm]	3–16	1–20	1–16	0,3–15	–
<b>P</b> Steel	●	●●	●●	●	●
<b>M</b> Stainless steel	●●	●●	●	●●	●●
<b>K</b> Cast iron		●●	●●		
<b>N</b> NF metals	●●	●●	●●	●	●
<b>S</b> Materials with difficult cutting properties	●	●	●	●●	●●
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●		

Page in catalogue

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A1254TFT

A1249XPL

A1222

A1244

Z3515

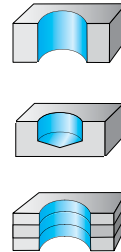
WALTER SELECT

●● Primary application ● Other application

B1

## HSS drilling tools

B1



Drilling depth

8 x D<sub>C</sub>



Designation

Z3516

A4244  
VA

A1247  
Alpha® XE

A4247  
Alpha® XE

DA110  
Perform

Additional services

Standard

DIN 345

DIN 338

DIN 345

DIN 338

Coating / grade

uncoated

uncoated

uncoated

WZ90AJ

Shank

Morse taper

Cylindrical shank

Morse taper

Cylindrical shank

Diameter range [mm]

–

10–32

1–16

10–40

1–16

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/

Z3516

A4244

A1247

A4247

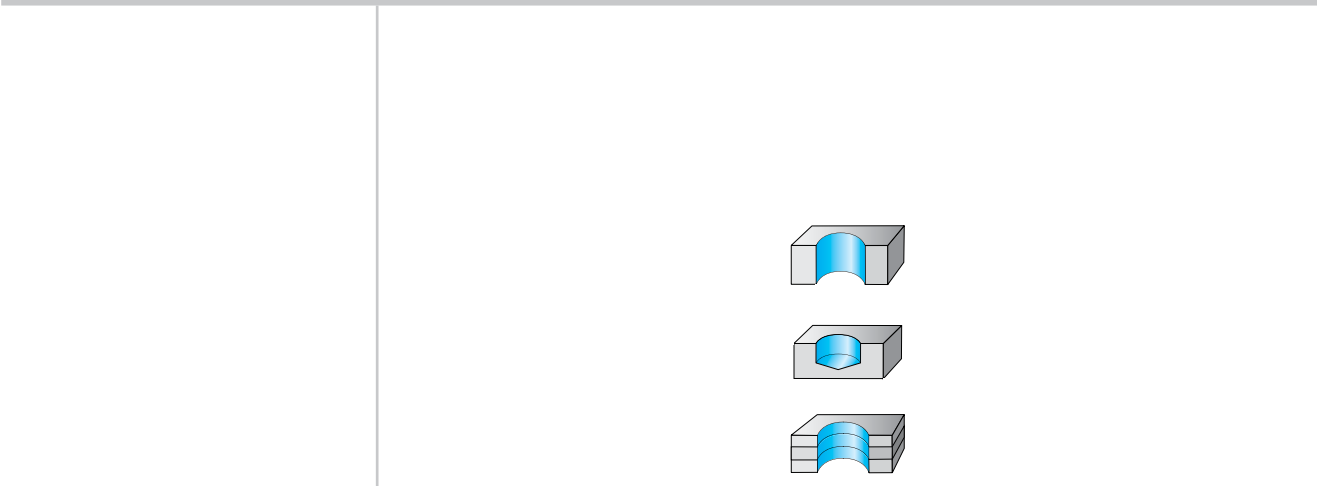
DA110

**WALTER SELECT**

●● Primary application ● Other application



# HSS drilling tools



Drilling depth			8 x D <sub>C</sub>		
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Designation	DA110 Perform	A1211TIN	A1211	Z3213	Z3218
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**Additional services**

Standard	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338
Coating / grade		TIN	uncoated		
Shank		Cylindrical shank	Cylindrical shank		

Diameter range [mm]	-	0,5-16	0,2-22	-	-
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●	●	●
<b>K</b> Cast iron	●●	●●	●●	●●	●●
<b>N</b> NF metals	●	●	●	●	●
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●	●	●

**Page in catalogue**

**QR code**



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DA110

A1211TIN

A1211

Z3213

Z3218

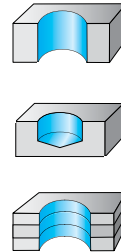
**WALTER SELECT**

●● Primary application ● Other application

B1

## HSS drilling tools

B1



Drilling depth

12 x D<sub>C</sub>



Designation

A1549TFP  
UFL®

A1522  
UFL®

A4422  
UFL®

A1544  
VA

A1547  
Alpha® XE

Additional services



Standard

DIN 340

DIN 340

DIN 341

DIN 340

DIN 340

Coating / grade

TFP

uncoated

uncoated

uncoated

uncoated

Shank

Cylindrical shank

Cylindrical shank

Morse taper

Cylindrical shank

Cylindrical shank

Diameter range [mm]

1-12

1-22,225

10-31

1-12

1-12,7

**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/

A1549TFP

A1522

A4422

A1544

A1547

# HSS drilling tools

Drilling depth	12 x D <sub>C</sub>	16 x D <sub>C</sub>		22 x D <sub>C</sub>



Designation	A1511	A1622 UFL®	A4622 UFL®	A4611	A1722 UFL®
Additional services					
Standard	DIN 340	DIN 1869 I	DIN 1870 I	DIN 1870 I	DIN 1869 II
Coating / grade	uncoated	uncoated	uncoated	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank	Morse taper	Morse taper	Cylindrical shank
Diameter range [mm]	0,5–22	2–12,7	12–30	8–40	3–12
<b>P</b> Steel	●	●●	●●	●	●●
<b>M</b> Stainless steel	●	●	●	●	●
<b>K</b> Cast iron	●	●●	●●	●	●●
<b>N</b> NF metals	●	●●	●●	●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●	●	●

Page in catalogue

QR code



A1511



A1622



A4622



A4611



A1722

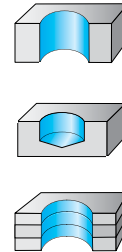
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WALTER SELECT

●● Primary application ● Other application

## HSS drilling tools

B1



Drilling depth	22 x D <sub>C</sub>	30 x D <sub>C</sub>	60 x D <sub>C</sub>	85 x D <sub>C</sub>	
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Designation	A4722 UFL®	A1822 UFL®	A1922S UFL®	A1922L UFL®	Z3219TIN
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Additional services					
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Standard	DIN 1870 II	DIN 1869 III	Walter	Walter	DIN 338
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Coating / grade	uncoated	uncoated	uncoated	uncoated	
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Shank	Morse taper	Cylindrical shank	Cylindrical shank	Cylindrical shank	
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Diameter range [mm]	8–40	3,5–12	6–14	8–12	–
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<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●	●	●
<b>K</b> Cast iron	●●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●	●	●

Page in catalogue

QR code



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A4722

A1822

A1922S

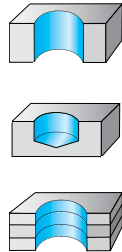
A1922L

Z3219TIN

**WALTER SELECT**

●● Primary application ● Other application

# HSS drilling tools



Drilling depth



Designation	Z3219	Z3216
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Additional services

Standard	DIN 338	DIN 338
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Coating / grade

Shank		
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Diameter range [mm]	-	-
<b>P</b> Steel	●●	●●
<b>M</b> Stainless steel	●	●
<b>K</b> Cast iron	●●	●●
<b>N</b> NF metals	●	●
<b>S</b> Materials with difficult cutting properties	●	●
<b>H</b> Hard materials		
<b>O</b> Other	●	●

Page in catalogue

QR code



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Z3219

Z3216

## Solid carbide and HSS NC spot drills

Machining					
Standard	Walter	Walter	Walter	Walter	Walter
Countersink angle	90°			120°	
Designation	A1174	A1174C	A1114	A1114L	A1114S
Additional services					
Cutting tool material	Solid carbide	Solid carbide	HSS	HSS	HSS
Coating / grade	uncoated	uncoated	uncoated	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range	3–20	3–20	4–20	4–12,7	2–25,4
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					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	A1174	A1174C	A1114	A1114L	A1114S

## Solid carbide and HSS NC spot drills

Machining



Standard	Walter	Walter	Walter
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Countersink angle		90°	
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Designation	A1115	A1115L	A1115S
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Additional services

Cutting tool material	HSS	HSS	HSS
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Coating / grade	uncoated	uncoated	uncoated
-----------------	----------	----------	----------

Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
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Diameter range	4–20	4–25,4	2–25,4
----------------	------	--------	--------

<b>P</b> Steel	●●	●●	●●
<b>M</b> Stainless steel	●	●	●
<b>K</b> Cast iron	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●
<b>H</b> Hard materials			
<b>O</b> Other	●●	●●	●●

Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A1115

A1115L

A1115S





## Solid carbide and HSS center drills

Machining					
Shape	A	A	R	A	B






Designation	K1411M	K1411L	K1313	K1311	K1215
Standard	Walter	Walter	Walter	Walter	DIN 333-B
Cutting tool material	HSS	HSS	HSS	HSS	HSS
Coating / grade	uncoated	uncoated	uncoated	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range	0,75-4	2-4	1-4	0,63-6	1-10
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					
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<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	K1411M	K1411L	K1313	K1311	K1215
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B1

## Solid carbide and HSS center drills

Machining					
Shape	A	R	R	R	A

B1



Designation	K1131	K1114	K1113TIN	K1113	K1112
Standard	DIN 333-A	DIN 333-R	DIN 333-R	DIN 333-R	DIN 333-A
Cutting tool material	HSS	HSS	HSS	HSS	HSS
Coating / grade	uncoated	uncoated	TIN	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank with flat	Cylindrical shank	Cylindrical shank	Cylindrical shank with flat
Diameter range	0,5–6,3	2–5	1–5	0,5–10	1,6–5
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

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K1131

K1114

K1113TIN

K1113

K1112

## Solid carbide and HSS center drills

Machining		
	A	A

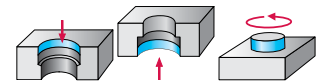
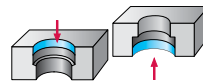
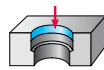


Designation	K1111TIN	K1111
Standard	DIN 333-A	DIN 333-A
Cutting tool material	HSS	HSS
Coating / grade	TIN	uncoated
Shank	Cylindrical shank	Cylindrical shank
Diameter range	1-5	0,5-12,5
<b>P</b> Steel	●●	●●
<b>M</b> Stainless steel	●●	●●
<b>K</b> Cast iron	●●	●●
<b>N</b> NF metals	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●
<b>H</b> Hard materials	●●	●●
<b>O</b> Other	●●	●●

Page in catalogue		
QR code		
www.walter-tools.com/woc/	K1111TIN	K1111

## Walter Capto™/ScrewFit precision boring tools

Machining



Diameter range [mm]

1–20

19–167

148–635



Designation

B5110

B5115

B5120

Display

analogue

analogue

analogue

Shank

Walter Capto™

✓

✓

✓

ScrewFit

✓

✓

NCT

P Steel

●●

●●

●●

M Stainless steel

●●

●●

●●

K Cast iron

●●

●●

●●

N NF metals

●●

●●

●●

S Materials with difficult cutting properties

●●

●●

●●

H Hard materials

●

●

●

O Other

●

●

●

Solid carbide boring bar



Suitable insert types



Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B5110

B5115

B5120

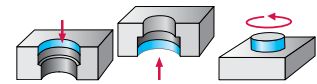
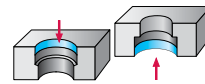
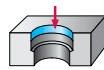
# Walter Capto™/ScrewFit precision boring tools

Machining			
Diameter range [mm]	69–167	3–124	
Designation	B5125	B4035	EB100
Display	analogue	digital	
Shank			
Walter Capto™	✓	✓	
ScrewFit			
NCT			
P Steel	●●	●●	
M Stainless steel	●●	●●	
K Cast iron	●●	●●	
N NF metals	●●	●●	
S Materials with difficult cutting properties	●●	●●	
H Hard materials	●	●	
O Other	●	●	
Solid carbide boring bar			
Suitable insert types			
Page in catalogue			
QR code			
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	B5125	B4035	EB100

B2

## Walter NCT precision boring tools

Machining



Diameter range [mm]

1–20

19–167

148–635



Designation

B5110

B5115

B5120

Display

analogue

analogue

analogue

Shank

Walter Capto™

ScrewFit

NCT

✓

✓

✓

**P** Steel

●●

●●

●●

**M** Stainless steel

●●

●●

●●

**K** Cast iron

●●

●●

●●

**N** NF metals

●●

●●

●●

**S** Materials with difficult cutting properties

●●

●●

●●

**H** Hard materials

●

●

●

**O** Other

●

●

●

Solid carbide boring bar



Suitable insert types



Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B5110

B5115

B5120

# Walter NCT precision boring tools

Machining



Diameter range [mm]	3-124	
---------------------	-------	--



Designation	B4035	EB100
Display	digital	

Shank

Walter Capto™		
ScrewFit	✓	
NCT		

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

Solid carbide boring bar



Suitable insert types



Page in catalogue		
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QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

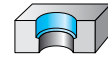
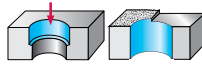
B4035

EB100

B2

## Walter Capto™ two flute boring tools

Machining



Diameter range [mm]	148–620	148–620	33–153
---------------------	---------	---------	--------



Designation	B5460	B5560	B3220
Display	analogue	analogue	analogue

Shank

Walter Capto™	✓	✓	✓
ScrewFit			✓
NCT			
P Steel	●●	●●	●●
M Stainless steel	●●	●●	●●
K Cast iron	●●	●●	●●
N NF metals	●●	●●	●
S Materials with difficult cutting properties	●●	●●	●●
H Hard materials			
O Other			

Solid carbide boring bar

Suitable insert types			
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Page in catalogue			
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QR code			
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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B5460

B5560

B3220



# Walter Capto™ two flute boring tools

Machining



Diameter range [mm]	20–33
---------------------	-------



Designation	B3221
-------------	-------

Display	analogue
---------	----------

Shank

Walter Capto™	✓
---------------	---

ScrewFit	✓
----------	---

NCT	
-----	--

<b>P</b> Steel	●●
<b>M</b> Stainless steel	●●
<b>K</b> Cast iron	●●
<b>N</b> NF metals	●
<b>S</b> Materials with difficult cutting properties	●●
<b>H</b> Hard materials	
<b>O</b> Other	

Solid carbide boring bar

Suitable insert types



Page in catalogue	
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QR code

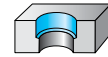
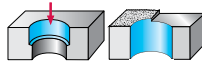


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B3221

## Walter NCT two flute boring tools

Machining



Diameter range [mm]	148–620	148–620	33–153
---------------------	---------	---------	--------



Designation	B5460	B5560	B3220
Display	analogue	analogue	analogue

Shank

Walter Capto™			
ScrewFit			
NCT	✓	✓	✓
P Steel	●●	●●	●●
M Stainless steel	●●	●●	●●
K Cast iron	●●	●●	●●
N NF metals	●●	●●	●
S Materials with difficult cutting properties	●●	●●	●●
H Hard materials			
O Other			

Solid carbide boring bar

Suitable insert types			
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Page in catalogue			
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QR code			
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www.walter-tools.com/woc/	B5460	B5560	B3220
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B2

# Walter NCT two flute boring tools

Machining



Diameter range [mm]	20-33
---------------------	-------



Designation	B3221
-------------	-------

Display	analogue
---------	----------

Shank

Walter Capto™	
---------------	--

ScrewFit	
----------	--

NCT	✓
-----	---

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

Solid carbide boring bar

Suitable insert types



Page in catalogue	
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QR code

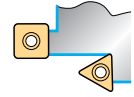
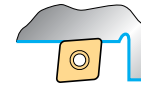
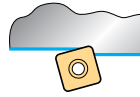


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B3221

## ISO cartridges

Machining



Approach angle	45°	75°	75°	90°	90°
----------------	-----	-----	-----	-----	-----



Designation	PSSN...CA	PSKN...CA	SSKC-09...CA	PCFN...CA	PTFN...CA
-------------	-----------	-----------	--------------	-----------	-----------

Indexable insert types					
------------------------	--	--	--	--	--

Insert size l [mm]	12	9-15	9	12	16
--------------------	----	------	---	----	----

Clamping system	Lever-type	Lever-type	Screw	Lever-type	Lever-type
-----------------	------------	------------	-------	------------	------------

Adjustment accuracy [mm]					
--------------------------	--	--	--	--	--

D <sub>c min</sub> [mm]	50	40 / 50 / 60 / 70	40	50	50
-------------------------	----	-------------------	----	----	----

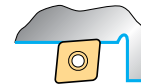
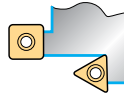
Page in catalogue					
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QR code



<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	PSSN-CA	PSKN-CA	SSKC-09-CA	PCFN-CA	PTFN-CA
--	---------	---------	------------	---------	---------

Machining



Approach angle	90°	90°	90°	95°	95°
----------------	-----	-----	-----	-----	-----



Designation	SCFC...CA	STFC...CA	SWFC...CA	PCLN...CA	SCLC...CA
-------------	-----------	-----------	-----------	-----------	-----------

Indexable insert types					
------------------------	--	--	--	--	--

Insert size l [mm]	9-12	9-11	6	12-16	9-12
--------------------	------	------	---	-------	------

Clamping system	Screw	Screw	Screw	Lever-type	Screw
-----------------	-------	-------	-------	------------	-------

Adjustment accuracy [mm]					
--------------------------	--	--	--	--	--

D <sub>c min</sub> [mm]	40 / 50	25 / 40	40	50 / 60 / 70	40 / 50
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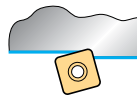
QR code



<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	SCFC-CA	STFC-CA	SWFC-CA	PCLN-CA	SCLC-CA
--	---------	---------	---------	---------	---------

# ISO cartridges

Machining



Approach angle	105°
----------------	------



Designation	SSRC-12...CA
-------------	--------------

Indexable insert types	
------------------------	--

Insert size l [mm]	9
--------------------	---

Clamping system	Screw
-----------------	-------

Adjustment accuracy [mm]	
--------------------------	--

D <sub>c min</sub> [mm]	40
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Page in catalogue

QR code



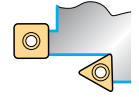
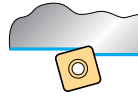
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	SSRC-12-CA
--	------------



B2

## Walter mini cartridges

Machining



Approach angle	15°	30°	45°	45°	60°
----------------	-----	-----	-----	-----	-----



Designation	FR701	FR675	FR/FL 673	FR699	FR674
-------------	-------	-------	-----------	-------	-------

Indexable insert types	80° WC..	60° TC..	60° TC..	90°	60° TC..
------------------------	----------	----------	----------	-----	----------

Insert size l [mm]		11	11		11
--------------------	--	----	----	--	----

Clamping system	Screw	Screw	Screw	Screw	Screw
-----------------	-------	-------	-------	-------	-------

Adjustment accuracy [mm]					
--------------------------	--	--	--	--	--

D <sub>c min</sub> [mm]	20	20	20	20 / 25	20
-------------------------	----	----	----	---------	----

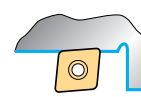
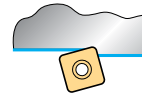
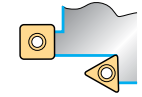
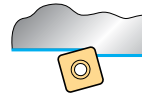
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QR code



<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	FR701	FR675	FR-FL-673	FR699	FR674
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Machining



Approach angle	60°	75°	75°	90°	90°
----------------	-----	-----	-----	-----	-----



Designation	FR698	FR/FL 707	FR697	FR/FL 671	FR/FL 672
-------------	-------	-----------	-------	-----------	-----------

Indexable insert types	90°	60° TC..	90°	80° CC..	60° TC..
------------------------	-----	----------	-----	----------	----------

Insert size l [mm]		11		6	11
--------------------	--	----	--	---	----

Clamping system	Screw	Screw	Screw	Screw	Screw
-----------------	-------	-------	-------	-------	-------

Adjustment accuracy [mm]					
--------------------------	--	--	--	--	--

D <sub>c min</sub> [mm]	20	20	20	14,5 / 20	20
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Page in catalogue					
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QR code



<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	FR698	FR-FL-707	FR697	FR-FL-671	FR-FL-672
--	-------	-----------	-------	-----------	-----------

# Walter mini cartridges

Machining

Approach angle



Designation FR680

Indexable insert types

Insert size l [mm] 4

Clamping system Screw

Adjustment accuracy [mm]

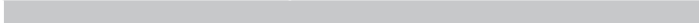
D<sub>c min</sub> [mm] 20

Page in catalogue

QR code



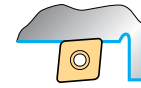
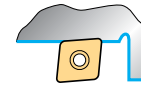
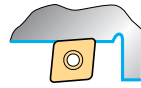
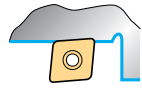
[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/) FR680



B2

## Walter precision boring cartridges

Machining



Approach angle

90°

90°

90°

90°

95°



Designation

FR/FL 709

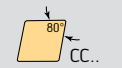
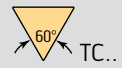
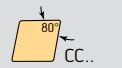
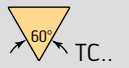
FR/FL 710

FR760

FR761

FR/FL 711

Indexable insert types



Insert size l [mm]

11

6

11

6

4

Clamping system

Screw

Screw

Screw

Screw

Screw

Adjustment accuracy [mm]

0,01

0,01

0,002

0,002

0,01

 D<sub>c min</sub> [mm]

36

28

28

28

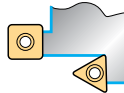
28

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[FR-FL-709](#)
[FR-FL-710](#)
[FR760](#)
[FR761](#)
[FR-FL-711](#)

Machining



Approach angle

95°

95°

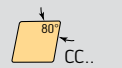
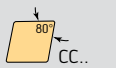


Designation

FR/FL 717

FR763

Indexable insert types



Insert size l [mm]

6

6

Clamping system

Screw

Screw

Adjustment accuracy [mm]

0,01

0,002

 D<sub>c min</sub> [mm]

28

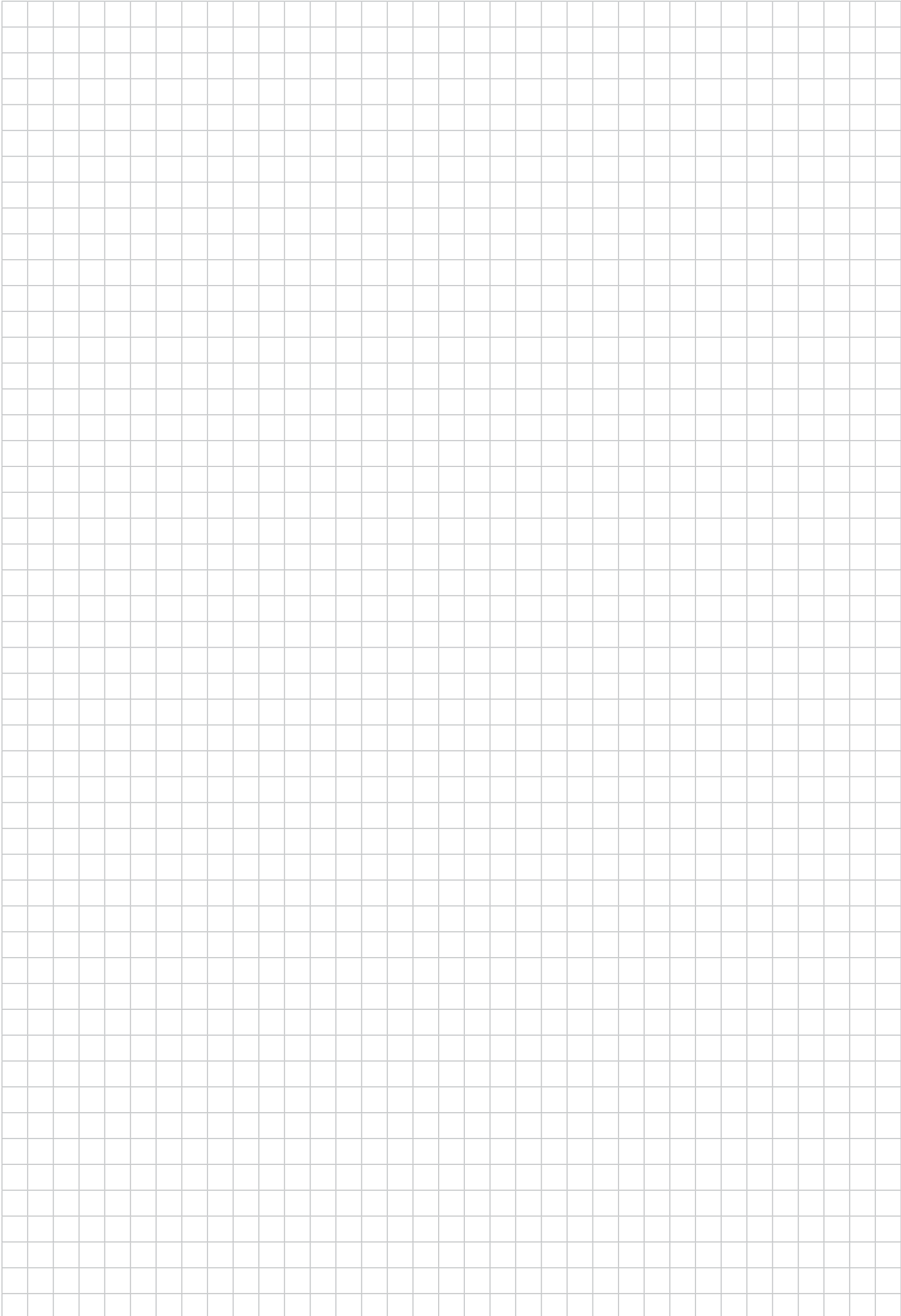
28

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[FR-FL-717](#)
[FR763](#)





B2

## HSS countersink

B2



Drilling depth



Designation	E6819TIN	Z3711TIN	E6819	E7819	E6818
-------------	----------	----------	-------	-------	-------

**Additional services**

Standard	DIN 335		DIN 335	DIN 335	DIN 334
Coating / grade	TIN		uncoated	uncoated	uncoated
Shank	Cylindrical shank		Cylindrical shank	Morse taper	Cylindrical shank
Diameter range [mm]	1,5–4,2	–	1,3–4,2	3,2–22	1,6–6,3
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



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

E6819TIN

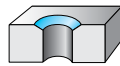
Z3711TIN

E6819

E7819

E6818

# HSS countersink



Drilling depth



Designation E7818

Additional services

Standard DIN 334

Coating / grade uncoated

Shank Morse taper

Diameter range [mm] 4-25

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/](http://www.walter-tools.com/woc/)


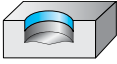

E7818

WALTER SELECT

●● Primary application ● Other application

B2

## Solid carbide and HSS reamers

			
Standard	Walter	Walter	Walter



Designation	F2481TMS	F2481	F2482TMS	F2482	F2171
Cutting tool material	Solid carbide	Solid carbide	Solid carbide	Solid carbide	Solid carbide
Coating / grade	TMS	uncoated	TMS	uncoated	uncoated
Helix angle	Left-hand	Left-hand	straight	straight	Left-hand
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3,97–20	3,97–20	3,97–20	3,97–20	2–20
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/](http://www.walter-tools.com/woc/)

F2481TMS

F2481

F2482TMS

F2482

F2171

B3

## Solid carbide and HSS reamers

<b>Standard</b>	Walter	DIN 212	DIN 212	DIN 212	DIN 2179



<b>Designation</b>	F2162	F1342	F1352	F1352HUN	F3234
<b>Cutting tool material</b>	Solid carbide	HSS	HSS	HSS	HSS
<b>Coating / grade</b>	uncoated	uncoated	uncoated	uncoated	uncoated
<b>Helix angle</b>	straight	straight	Left-hand	Left-hand	Left-hand
<b>Shank</b>	DIN 6535 HA	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
<b>Diameter range [mm]</b>	4–20	1–20	0,9–20	0,95–12	1–12
<b>P Steel</b>	●●	●●	●●	●●	●●
<b>M Stainless steel</b>	●●	●●	●●	●●	●●
<b>K Cast iron</b>	●●	●●	●●	●●	●●
<b>N NF metals</b>	●●	●●	●●	●●	●●
<b>S Materials with difficult cutting properties</b>	●●	●●	●●	●●	●●
<b>H Hard materials</b>	●				
<b>O Other</b>	●●	●●	●●	●●	●●

Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

F2162

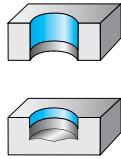
F1342

F1352

F1352HUN

F3234

## Solid carbide and HSS reamers



Standard	DIN 206	DIN 859
----------	---------	---------



Designation	F1131	F1231
Cutting tool material	HSS	HSS
Coating / grade	uncoated	uncoated
Helix angle	Left-hand	Left-hand
Shank	Cylindrical shank	Parallel shank
Diameter range [mm]	1–32	8–30
<b>P</b> Steel	●●	●●
<b>M</b> Stainless steel		
<b>K</b> Cast iron	●●	●●
<b>N</b> NF metals	●●	●●
<b>S</b> Materials with difficult cutting properties		
<b>H</b> Hard materials		
<b>O</b> Other	●●	●●

Page in catalogue

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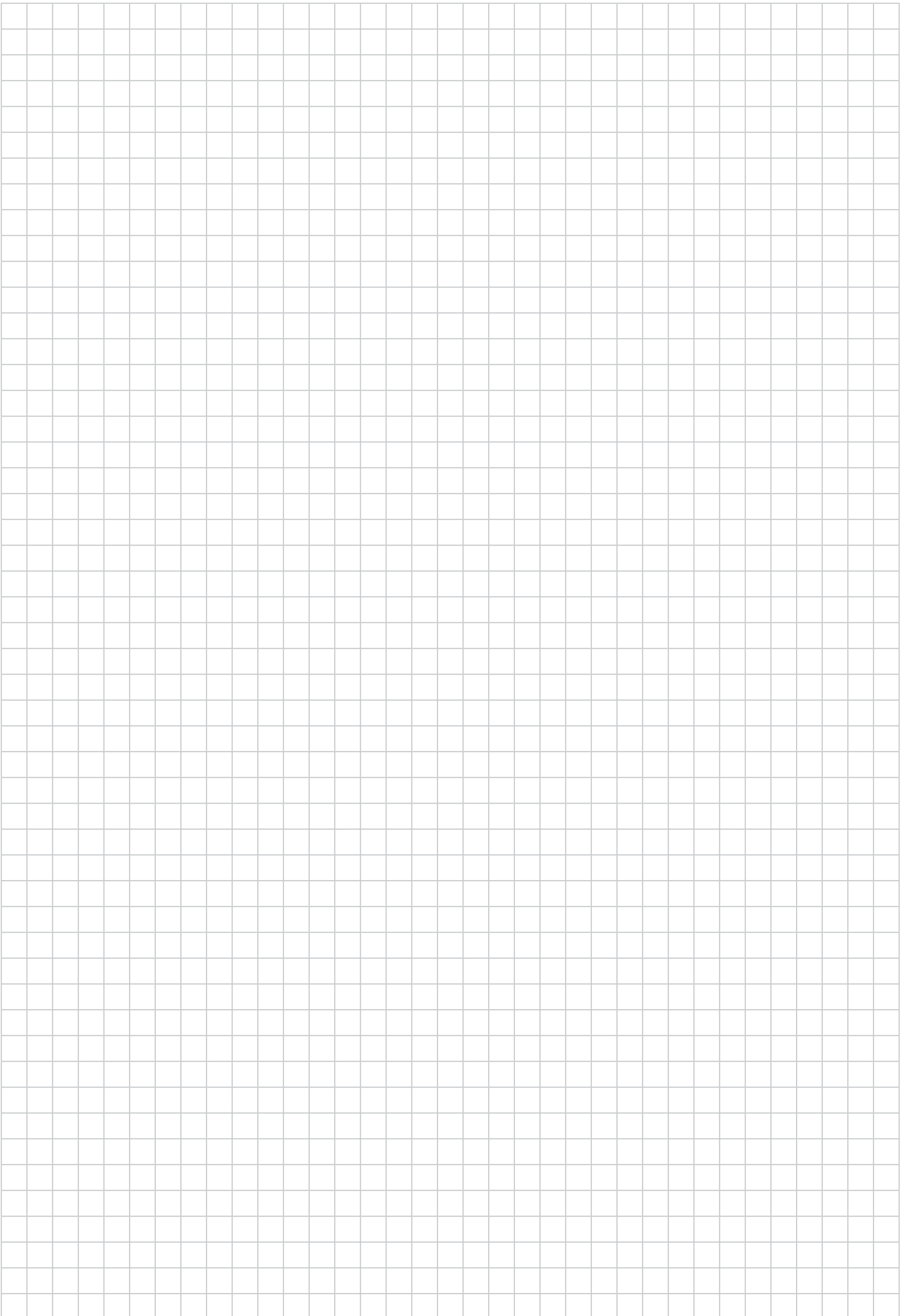


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

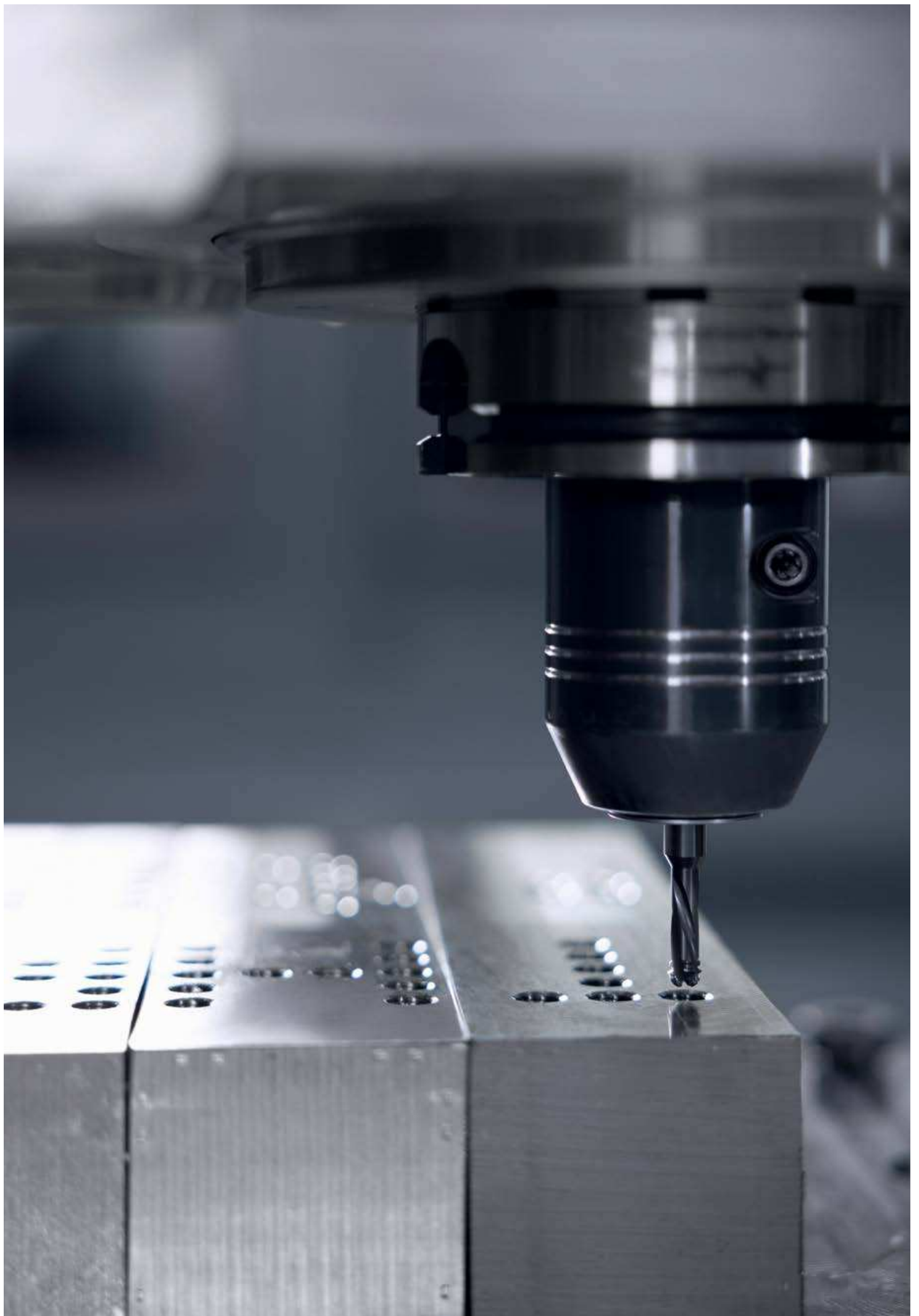
F1131

F1231

B3



B3





## C – Threading

C1: Tapping		Page
<b>HSS-E (-PM) taps</b>	Product range overview	
	HSS-E (-PM) taps	266
	Order pages	
	MF – Metric fine-pitch thread	279
	MJ/UNJC/UNJF	280
<b>Solid carbide taps</b>	Product range overview	
	Solid carbide taps	290
C2: Thread forming		Page
<b>HSS-E (-PM) and solid carbide thread formers</b>	Product range overview	
	HSS-E (-PM) and solid carbide thread formers	292
C3: Thread milling		Page
<b>Thread milling</b>	Product range overview	
	Drill/thread mills	296
	Order pages	
	Drill/thread mills	297
<b>Thread milling cutters with countersink</b>	Product range overview	
	Thread milling cutters with countersink	302
<b>Thread milling cutters without countersink</b>	Thread milling cutters without countersink	303
	Order pages	
	Thread milling cutters without countersink	305
<b>Orbital thread milling cutters</b>	Product range overview	
	Solid carbide orbital thread milling cutters	309
	Order pages	
	Solid carbide orbital thread milling cutters	310
<b>Thread milling cutters with indexable inserts</b>	Product range overview	
	Thread milling cutters with indexable inserts	319

# HSS-E (-PM) taps

Machining					
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Thread depth	1 x D <sub>N</sub>	1 x D <sub>N</sub>	1 x D <sub>N</sub>	1 x D <sub>N</sub>	2 x D <sub>N</sub>
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Designation	AMB	MMB	Protostep Inox	Prototex® OS	Prototex® TiNi
-------------	-----	-----	----------------	--------------	----------------

Thread type					
M	✓	✓	✓	✓	✓
MF					✓
UNC / UNF / UN-8					✓
G / Rc / Rp					
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape					✓

Tolerance	7G	6H	6HX	6H	2B / 3B / 4H / 4HX / 6HX
-----------	----	----	-----	----	--------------------------

Coolant supply	External	External	External	External	External
----------------	----------	----------	----------	----------	----------

Chamfer form	18 P		NA	B	B
--------------	------	--	----	---	---

Coating / grade	TIN	uncoated	VAP	uncoated	TICN / uncoated
-----------------	-----	----------	-----	----------	-----------------

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



www.walter-tools.com/woc/	amb	mmb	protostep-inox	prototex-os	prototex-tini
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C1

# HSS-E (-PM) taps

Machining					

Thread depth	2 x D <sub>N</sub>	2 x D <sub>N</sub>	3 x D <sub>N</sub>	3 x D <sub>N</sub>	3 x D <sub>N</sub>
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**NEW**



Designation	Prototex® TiNi Plus	TMB	KMB H	Paradur® N	Prototex® Megasprint
-------------	---------------------	-----	-------	------------	----------------------

Thread type					
M	✓		✓	✓	✓
MF	✓				
UNC / UNF / UN-8					
G / Rc / Rp					
MJ / UNJC / UNJF	✓				
NPT / NPTF					
Pg / BSW / Tr		✓	✓		
Indexable inserts basic shape					

Tolerance	3B / 4H / 6HX	7H	6H / NORMAL	6H	6H
-----------	---------------	----	-------------	----	----

Coolant supply	External	External	External	External	radial
----------------	----------	----------	----------	----------	--------

Chamfer form	B	24 P	B	D	B
--------------	---	------	---	---	---

Coating / grade	ACN	uncoated	uncoated	uncoated	TIN
-----------------	-----	----------	----------	----------	-----

Cutting tool material	HSS-E-PM	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	280				
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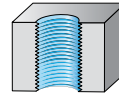


www.walter-tools.com/woc/	prototex-tini-plus	tmb	kmb-h	paradur-n	prototex-megasprint
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C1

## HSS-E (-PM) taps

Machining



Thread depth

3 x D<sub>N</sub>

3 x D<sub>N</sub>

3 x D<sub>N</sub>

3 x D<sub>N</sub>

3 x D<sub>N</sub>



Designation	Prototex® Sprint	Prototex® Synchrospeed	Prototex® X-pert M	Prototex® X-pert N	Prototex® X-pert P
<b>Thread type</b>					
M	✓	✓	✓	✓	✓
MF	✓	✓	✓		✓
UNC / UNF / UN-8			✓		✓
G / Rc / Rp			✓		✓
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					✓
<b>Indexable inserts basic shape</b>			✓		✓
<b>Tolerance</b>	6H	6HX	2B / 3B / 5HX / 6GX / 6HMOD / 6HX / NORMAL	6H	2B / 3B / 4H / 6G / 6H / 6HMOD / 7G / MEDIUM / NORMAL
<b>Coolant supply</b>	External	External	External	External	External
<b>Chamfer form</b>	B	B	B	B	B
<b>Coating / grade</b>	TICN / TIN	THL / TIN	TICN / TIN / VAP	uncoated	TICN / TIN / uncoated
<b>Cutting tool material</b>	HSS-E-PM	HSS-E	HSS-E	HSS-E	HSS-E
<b>P</b> Steel	●	●●	●		●●
<b>M</b> Stainless steel	●	●●	●●		
<b>K</b> Cast iron		●●			●●
<b>N</b> NF metals	●	●●		●●	●●
<b>S</b> Materials with difficult cutting properties		●●		●	
<b>H</b> Hard materials					
<b>O</b> Other		●●		●	●

Page in catalogue

QR code



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prototex-sprint

prototex-synchrospeed

prototex-xpert-m

prototex-xpert-n

prototex-xpert-p

# HSS-E (-PM) taps

Machining					
	3 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	1,5 x D <sub>N</sub>	2 x D <sub>N</sub>

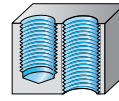


Designation	Prototex® X-pert P AZ	Prototex® Eco Plus	TC216 Perform	Paradur® H	HGB
<b>Thread type</b>					
M	✓	✓	✓	✓	✓
MF		✓	✓	✓	
UNC / UNF / UN-8		✓	✓		
G / Rc / Rp		✓		✓	
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
<b>Indexable inserts basic shape</b>					
Tolerance	6H	2B / 6GX / 6HX / NORMAL	2B / 6H	6H / NORMAL	6H
Coolant supply	External	External / radial	External	External	External
Chamfer form	B	B	B	C	C
Coating / grade	uncoated	THL / TIN	WY80AA / WY80FC	TIN / uncoated	uncoated
Cutting tool material	HSS-E	HSS-E-PM	HSS-E	HSS-E	HSS
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					
	<a href="http://www.walter-tools.com/woc/prototex-xpert-p-az">www.walter-tools.com/woc/prototex-xpert-p-az</a>	<a href="http://www.walter-tools.com/woc/prototex-eco-plus">prototex-eco-plus</a>	<a href="http://www.walter-tools.com/woc/TC216">TC216</a>	<a href="http://www.walter-tools.com/woc/paradur-h">paradur-h</a>	<a href="http://www.walter-tools.com/woc/hgb">hgb</a>

## HSS-E (-PM) taps

Machining



Thread depth

2 x D<sub>N</sub>

2 x D<sub>N</sub>

2 x D<sub>N</sub>

2 x D<sub>N</sub>

3 x D<sub>N</sub>



Designation

HGB Inox

HGB Ti

Paradur® AP

Paradur® FT

KMB Ms

Thread type

M



MF

UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

Tolerance

6HX

6HX

6HX

6H

6H / NORMAL

Coolant supply

External

External

External

External

External

Chamfer form

C

C

C

D

E / F

Coating / grade

VAP

NID

NIT

uncoated

uncoated

Cutting tool material

HSS-E

HSS-E

HSS-E

HSS-E-PM

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



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hgb-inox

hgb-ti

paradur-ap

paradur-ft

kmb-ms

# HSS-E (-PM) taps

Machining					
	3 x D <sub>N</sub>	3 x D <sub>N</sub>			



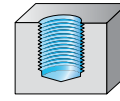
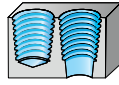
Designation	Paradr® Eco CI	Paradr® X-pert K	Paradr Inox®	Paradr Inox® 40	Paradr® H
<b>Thread type</b>					
M	✓	✓			
MF	✓				
UNC / UNF / UN-8	✓				
G / Rc / Rp	✓				✓
MJ / UNJC / UNJF					
NPT / NPTF			✓	✓	✓
Pg / BSW / Tr					
<b>Indexable inserts basic shape</b>					
Tolerance	ZB / 6HX / NORMAL	6HX	NORMAL	NORMAL	NORMAL
Coolant supply	External	External	External	External	External
Chamfer form	C / E	C	C	C	C
Coating / grade	NID / TiCN	TAFT	THL / VAP	uncoated	uncoated
Cutting tool material	HSS-E-PM	HSS-E-PM	HSS-E	HSS-E	HSS-E
<b>P</b> Steel			●●	●●	
<b>M</b> Stainless steel			●●	●●	
<b>K</b> Cast iron	●●	●●	●	●	●
<b>N</b> NF metals	●●	●		●	●●
<b>S</b> Materials with difficult cutting properties					
<b>H</b> Hard materials					
<b>O</b> Other	●●				●

Page in catalogue					
QR code					
www.walter-tools.com/woc/	paradr-eco-ci	paradr-xpert-k	paradr-inox	paradr-inox-40	paradr-h

C1

## HSS-E (-PM) taps

Machining



Thread depth

 $1,5 \times D_N$ 
 $1,5 \times D_N$ 
 $1,5 \times D_N$ 


Designation	Paradur® N	Paradur® Ni	Paradur Inox® 25	Paradur® HN	Paradur® N
<b>Thread type</b>					
M			✓		✓
MF			✓	✓	✓
UNC / UNF / UN-8					✓
G / Rc / Rp			✓		✓
MJ / UNJC / UNJF					
NPT / NPTF	✓	✓			
Pg / BSW / Tr					
<b>Indexable inserts basic shape</b>					
<b>Tolerance</b>	NORMAL	NORMAL	6HX / NORMAL	6HX	2B / 3B / 6G / 6H / NORMAL
<b>Coolant supply</b>	External	External	External	External	External
<b>Chamfer form</b>	C	C	E	E	C
<b>Coating / grade</b>	VAP	TICN / uncoated	TIN	uncoated	TICN / TIN / uncoated
<b>Cutting tool material</b>	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E
<b>P Steel</b>	●●	●	●●	●●	●●
<b>M Stainless steel</b>			●●		
<b>K Cast iron</b>	●●			●●	●●
<b>N NF metals</b>	●●			●●	●●
<b>S Materials with difficult cutting properties</b>		●●			
<b>H Hard materials</b>					
<b>O Other</b>					

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[paradur-n](#)
[paradur-ni](#)
[paradur-inox-25](#)
[paradur-hn](#)
[paradur-n](#)



# HSS-E (-PM) taps

Machining					
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Thread depth	1,5 x D <sub>N</sub>	1,5 x D <sub>N</sub>	1,5 x D <sub>N</sub>	2 x D <sub>N</sub>	2 x D <sub>N</sub>
--------------	----------------------	----------------------	----------------------	--------------------	--------------------

**NEW**

**NEW**



Designation	Paradur® Ni	Paradur® Ni 10	TC122 Supreme	Paradur® Ti	Paradur® Ti Plus
-------------	-------------	----------------	---------------	-------------	------------------

Thread type					
M	✓	✓	✓	✓	✓
MF		✓		✓	✓
UNC / UNF / UN-8	✓			✓	
G / Rc / Rp					
MJ / UNJC / UNJF		✓		✓	✓
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape	✓			✓	

Tolerance	2B / 3B / 4H / 4HX / 6HX	3B / 4H / 6HX	6HX	2B / 3B / 4H / 6HX	3B / 4H / 6HX
-----------	--------------------------	---------------	-----	--------------------	---------------

Coolant supply	External	External	External	External	External
----------------	----------	----------	----------	----------	----------

Chamfer form	C	C	C	C	C
--------------	---	---	---	---	---

Coating / grade	TICN / uncoated	TIN / uncoated	WW60BC	TICN / uncoated	ACN
-----------------	-----------------	----------------	--------	-----------------	-----

Cutting tool material	HSS-E-PM	HSS-E-PM	HSS-E-PM	HSS-E-PM	HSS-E-PM
-----------------------	----------	----------	----------	----------	----------

<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel					
<b>K</b> Cast iron	●●		●		
<b>N</b> NF metals	●	●		●	
<b>S</b> Materials with difficult cutting properties	●●	●●		●●	●●
<b>H</b> Hard materials					
<b>O</b> Other					

Page in catalogue		288			283
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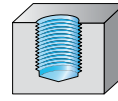
QR code					
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www.walter-tools.com/woc/	paradur-ni	paradur-ni-10	TC122	paradur-ti	paradur-ti-plus
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C1

## HSS-E (-PM) taps

Machining



Thread depth	2,5 x D <sub>N</sub>	2,5 x D <sub>N</sub>	2,5 x D <sub>N</sub>	2,5 x D <sub>N</sub>	2,5 x D <sub>N</sub>
--------------	----------------------	----------------------	----------------------	----------------------	----------------------



Designation	Paradur® STE	Paradur® Synchrospeed	Paradur® X-pert M	TC121 Supreme	TC122 Supreme
<b>Thread type</b>					
M	✓	✓	✓	✓	✓
MF	✓	✓	✓		
UNC / UNF / UN-8			✓		
G / Rc / Rp	✓	✓	✓		
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
<b>Indexable inserts basic shape</b>			✓		
<b>Tolerance</b>	6HX / NORMAL	6HX / NORMAL	2B / 3B / 6GX / 6HMOD / 6HX / NORMAL	6HX	6HX
<b>Coolant supply</b>	External	External / axial	External	External / axial	axial
<b>Chamfer form</b>	E	C	C	C	C
<b>Coating / grade</b>	THL / uncoated	THL / TIN/VAP	THL / TiCN / TiN / VAP	WW60RG / WY80BD	WW60BC
<b>Cutting tool material</b>	HSS-E	HSS-E	HSS-E	HSS-E-PM	HSS-E-PM
<b>P Steel</b>	●	●●	●	●●	●●
<b>M Stainless steel</b>	●	●●	●●	●	●
<b>K Cast iron</b>	●	●●	●	●	●
<b>N NF metals</b>	●	●	●	●	●
<b>S Materials with difficult cutting properties</b>		●			
<b>H Hard materials</b>					
<b>O Other</b>		●			

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[paradur-ste](#)
[paradur-synchrospeed](#)
[paradur-xpert-m](#)
[TC121](#)
[TC122](#)

# HSS-E (-PM) taps

Machining					
Thread depth	3 x D <sub>N</sub>	3 x D <sub>N</sub>	3 x D <sub>N</sub>	3 x D <sub>N</sub>	3 x D <sub>N</sub>

**NEW**



Designation	KMB WST	Paradur® Eco CI	Paradur® Eco Plus	Paradur® Uni	Paradur® WLM Synchrospeed
<b>Thread type</b>					
M	✓	✓	✓	✓	✓
MF		✓	✓	✓	
UNC / UNF / UN-8			✓		
G / Rc / Rp			✓	✓	
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
<b>Indexable inserts basic shape</b>					
Tolerance	6H	6HX	2B / 6GX / 6HX / NORMAL	6G / 6H / NORMAL	6H
Coolant supply	External	axial / radial	External / axial / radial	External	External
Chamfer form	C	C / E	C / E	C	C
Coating / grade	uncoated	TiCN	THL / TiN	TiN / VAP / uncoated	CRN / uncoated
Cutting tool material	HSS-E	HSS-E-PM	HSS-E-PM	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		●●			●●

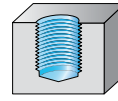
Page in catalogue	279				
QR code					
www.walter-tools.com/woc/	kmb-wst	paradur-eco-ci	paradur-eco-plus	paradur-uni	paradur-wlm-synchrospeed

**WALTER SELECT** ●● Primary application ● Other application

C1

## HSS-E (-PM) taps

Machining



Thread depth

 $3 \times D_N$ 
 $3 \times D_N$ 
 $3 \times D_N$ 
 $3 \times D_N$ 
 $3 \times D_N$ 


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



Indexable inserts basic shape



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

uncoated

THL / TIN / uncoated

uncoated

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/](http://www.walter-tools.com/woc/)
[paradur-xpert-n](#)
[paradur-xpert-p](#)
[paradur-xpert-p-az](#)
[TC115](#)
[TC120](#)

# HSS-E (-PM) taps

Machining					
Thread depth	3 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	1,5 x D <sub>N</sub>



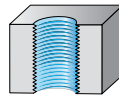
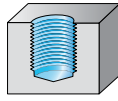
Designation	TC142 Supreme	Paradur® NH	Paradur® Short Chip HT	TC130 Supreme	Paradur® Combi
Thread type					
M	✓	✓	✓	✓	✓
MF	✓		✓	✓	
UNC / UNF / UN-8				✓	
G / Rc / Rp	✓				
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape					
Tolerance	6HX / NORMAL	6H	6HX	2B / 6HX	6H
Coolant supply	External	axial	axial	axial	External
Chamfer form	C	C	C	C	C
Coating / grade	WW60RB / WY80FC	TIN / uncoated	THL / uncoated	WY80AA / WY80EH	uncoated
Cutting tool material	HSS-E / HSS-E-PM	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/	TC142	paradur-nh	paradur-short-chip-ht	TC130	paradur-combi

C1

## HSS-E (-PM) taps

Machining



Thread depth

3 x D<sub>N</sub>

3 x D<sub>N</sub>



Designation	TC115 Perform	TC216 Perform
Thread type		
M	✓	✓
MF		
UNC / UNF / UN-8		
G / Rc / Rp		
MJ / UNJC / UNJF		
NPT / NPTF		
Pg / BSW / Tr		
Indexable inserts basic shape		
Tolerance	6H	6H
Coolant supply	External	External
Chamfer form	C	B
Coating / grade	WY80AA / WY80FC	WY80AA / WY80FC
Cutting tool material	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

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TC115

TC216

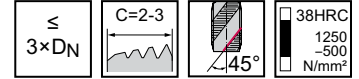
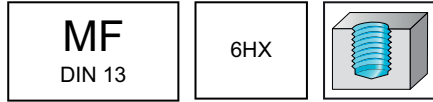
# HSS-E PM machine taps

mm

## Paradur® Eco Plus



- For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374		Designation THL	$D_N$	P mm	$l_1$ mm	$L_c$ mm	$l_3$ mm	$d_1$ h9 mm	$l_2$ mm	$l_9$ mm	N
<p>Parallel shank</p>		EP2156302-M6X0.75	MF 6x0.75	0,75	80	10	59	4,5	3,4	6	3
	★	EP2156302-M7X1	MF 7x1	1	80	10	58	5,5	4,3	7	3
		EP2156302-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
	★	EP2156302-M9X1	MF 9x1	1	90	13	67	7	5,5	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-M11X1	MF 11x1	1	90	15	66	8	6,2	9	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	

C1

●● Primary application   ● Other application  
 Best tool for → Good = → Average = → Poor = machining conditions

# HSS-E PM machine taps

mm

## Prototex® TiNi Plus



- Recommended with emulsion
- External diameter, rounded

≤  
2×D<sub>N</sub>

B=3,5-5

44HRC  
1400  
-700  
N/mm<sup>2</sup>

**MJ**  
DIN ISO 5855-1

ISO1/4H

ACN

●●

~DIN 371	Designation ACN	D <sub>N</sub>	P mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>9</sub> mm	N
<p>Parallel shank</p>	★ 2020763-MJ3	MJ 3	0,5	56	10	10	3,5	2,7	6	2
	★ 2020763-MJ4	MJ 4	0,7	63	13	13	4,5	3,4	6	3
	★ 2020763-MJ5	MJ 5	0,8	70	16	16	6	4,9	8	3
	★ 2020763-MJ6	MJ 6	1	80	15	23	6	4,9	8	3
	★ 2020763-MJ8	MJ 8	1,25	90	18	29	8	6,2	9	3
	★ 2020763-MJ10	MJ 10	1,5	100	20	33	10	8	11	3

C1

**WALTER  
SELECT**

●● Primary application    ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions



# HSS-E PM machine taps

mm

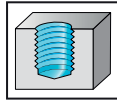
## Paradur® Ni 10



- External diameter, rounded
- For long- and short-chipping materials

**MJ**  
DIN ISO 5855-1

ISO1/4H



$\leq 1,5 \times D_N$

$C=2-3$

$\angle 10^\circ$

49HRC  
1600  
-1000  
N/mm<sup>2</sup>

	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 371	Designation uncoated	D <sub>N</sub>	P mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>g</sub> mm	N
	2041014-MJ3	MJ 3	0,5	56	8	8	3,5	2,7	6	3
	2041014-MJ4	MJ 4	0,7	63	10,5	10,5	4,5	3,4	6	3
	2041014-MJ5	MJ 5	0,8	70	13	13	6	4,9	8	3
	2041014-MJ6	MJ 6	1	80	15,5	15,5	6	4,9	8	3

Parallel shank

Without reduced neck after the thread

C1

**WALTER SELECT**

●● Primary application    ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

# HSS-E PM machine taps

mm

## Paradur® Ti



- Recommended with oil
- External diameter, rounded

**MJ**

DIN ISO 5855-1

ISO1/4H

$\leq 2 \times D_N$

$C=2-3$

$15^\circ$

44HRC  
1400  
-700  
N/mm<sup>2</sup>

	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 371	Designation uncoated	$D_N$	P mm	$l_1$ mm	$L_c$ mm	$l_3$ mm	$d_1$ h9 mm	$l_2$ mm	$l_9$ mm	N
	204164-MJ3	MJ 3	0,5	56	10	10	3,5	2,7	6	3
	204164-MJ4	MJ 4	0,7	63	13	13	4,5	3,4	6	3
	204164-MJ5	MJ 5	0,8	70	16	16	6	4,9	8	3
	204164-MJ6	MJ 6	1	80	15	23	6	4,9	8	3
	204164-MJ8	MJ 8	1,25	90	18	29,5	8	6,2	9	3
	204164-MJ10	MJ 10	1,5	100	20	33,5	10	8	11	3

Parallel shank

≤ MJ 5: Without reduced neck after the thread

C1

**WALTER SELECT**

●● Primary application   ● Other application

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

# HSS-E PM machine taps

mm

## Paradur® Ti Plus



- Recommended with emulsion
- External diameter, rounded

≤  
2×DN

C=2-3

15°

44HRC  
1400  
-700  
N/mm²

**MJ**  
DIN ISO 5855-1

ISO1/4H

	P	M	K	N	S	H	O
ACN					●●		

~DIN 371	Designation ACN	D <sub>N</sub>	P mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>g</sub> mm	N
<p>Parallel shank</p>	★ 2040663-MJ3	MJ 3	0,5	56	10	10	3,5	2,7	6	3
	★ 2040663-MJ4	MJ 4	0,7	63	13	13	4,5	3,4	6	3
	★ 2040663-MJ5	MJ 5	0,8	70	16	16	6	4,9	8	3
	★ 2040663-MJ6	MJ 6	1	80	15	23	6	4,9	8	3
	★ 2040663-MJ8	MJ 8	1,25	90	18	29	8	6,2	9	3
	★ 2040663-MJ10	MJ 10	1,5	100	20	33	10	8	11	3

C1

WALTER SELECT

●● Primary application   ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

# HSS-E PM machine taps

mm

## Prototex® TiNi Plus



- Recommended with emulsion
- External diameter, rounded

$\leq 2 \times D_N$ 
B=3,5-5
44HRC

1400
-700
N/mm<sup>2</sup>

**UNJC**  
ASME B1.15

3B

ACN

P	M	K	N	S	H	O

**~DIN 2184-1**

Parallel shank

Designation ACN	D <sub>N</sub> -P	D <sub>N</sub> mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>9</sub> mm	N
★ 2220763-UNJC4	UNJC #4-40	2,845	56	10	10	3,5	2,7	6	2
★ 2220763-UNJC6	UNJC #6-32	3,505	56	12	12	4	3	6	3
★ 2220763-UNJC8	UNJC #8-32	4,166	63	13	13	4,5	3,4	6	3
★ 2220763-UNJC10	UNJC #10-24	4,826	70	16	16	6	4,9	8	3
★ 2220763-UNJC1/4	UNJC 1/4-20	6,35	80	15	25	7	5,5	8	3
★ 2220763-UNJC5/16	UNJC 5/16-18	7,938	90	18	29	8	6,2	9	3
★ 2220763-UNJC3/8	UNJC 3/8-16	9,525	100	20	33	10	8	11	3

C1

WALTER  
SELECT

●● Primary application    ● Other application

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

# HSS-E PM machine taps

mm

## Paradur® Ni 10



- External diameter, rounded
- For long- and short-chipping materials

**UNJC**  
ASME B1.15

**3B**

$\leq 1,5 \times D_N$

$C=2-3$

$\angle 10^\circ$

49HRC  
1600  
-1000  
N/mm<sup>2</sup>

	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1	Designation uncoated	$D_N$ -P	$D_N$ mm	$l_1$ mm	$L_c$ mm	$l_3$ mm	$d_1$ h9 mm	□ mm	$l_g$ mm	N	
	224101-UNJC4	UNJC #4-40	2,845	56	8	8	3,5	2,7	6	3	
	224101-UNJC6	UNJC #6-32	3,505	56	10	10	4	3	6	3	
	224101-UNJC8	UNJC #8-32	4,166	63	11	11	4,5	3,4	6	3	
	224101-UNJC10	UNJC #10-24	4,826	70	13,5	13,5	6	4,9	8	3	
	224101-UNJC1/4	UNJC 1/4-20	6,35	80	17,5	17,5	7	5,5	8	3	
	224101-UNJC5/16	UNJC 5/16-18	7,938	90	21	21	8	6,2	9	3	
	Parallel shank	224101-UNJC3/8	UNJC 3/8-16	9,525	100	25	25	10	8	11	3

≤ UNC 10: Without reduced neck after the thread

C1

**WALTER SELECT**

●● Primary application    ● Other application

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

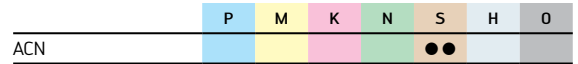
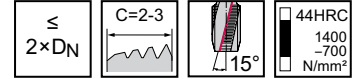
# HSS-E PM machine taps

mm

## Paradur® Ti Plus



- Recommended with emulsion
- External diameter, rounded



~DIN 2184-1

Designation ACN	D <sub>N</sub> -P	D <sub>N</sub> mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>g</sub> mm	N
★ 2240663-UNJC4	UNJC #4-40	2,845	56	10	10	3,5	2,7	6	3
★ 2240663-UNJC6	UNJC #6-32	3,505	56	12	12	4	3	6	3
★ 2240663-UNJC8	UNJC #8-32	4,166	63	13	13	4,5	3,4	6	3
★ 2240663-UNJC10	UNJC #10-24	4,826	70	16	16	6	4,9	8	3
★ 2240663-UNJC1/4	UNJC 1/4-20	6,35	80	15	25	7	5,5	8	3
★ 2240663-UNJC5/16	UNJC 5/16-18	7,938	90	18	29	8	6,2	9	3
★ 2240663-UNJC3/8	UNJC 3/8-16	9,525	100	20	33	10	8	11	3

Parallel shank

C1

**WALTER SELECT** ●● Primary application   ● Other application

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

# HSS-E PM machine taps

mm

## Prototex® TiNi Plus



- Recommended with emulsion
- External diameter, rounded

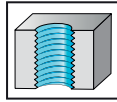
≤  
2×DN

B=3,5-5

44HRC  
1400-700  
N/mm²

**UNJF**  
ASME B1.15

3B



	P	M	K	N	S	H	O
ACN					●●		

~DIN 2184-1		Designation ACN	D <sub>N</sub> -P	D <sub>N</sub> mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>g</sub> mm	N
<p>Parallel shank</p>	★	2320763-UNJF6	UNJF #6-40	3,505	56	12	12	4	3	6	3
	★	2320763-UNJF8	UNJF #8-36	4,166	63	13	13	4,5	3,4	6	3
		2320763-UNJF10	UNJF #10-32	4,826	70	16	16	6	4,9	8	3
	★	2320763-UNJF12	UNJF #12-28	5,486	80	15	23	6	4,9	8	3
		2320763-UNJF1/4	UNJF 1/4-28	6,35	80	15	25	7	5,5	8	3
		2320763-UNJF5/16	UNJF 5/16-24	7,938	90	18	29,5	8	6,2	9	3
	★	2320763-UNJF7/16	UNJF 7/16-20	11,113	100	20	76	8	6,2	9	4
	★	2320763-UNJF1/2	UNJF 1/2-20	12,7	100	23	73	9	7	10	4
		2320763-UNJF3/8	UNJF 3/8-24	9,525	100	20	33,5	10	8	11	3
	★	2320763-UNJF9/16	UNJF 9/16-18	14,288	100	25	71	11	9	12	4
	★	2320763-UNJF5/8	UNJF 5/8-18	15,875	100	25	58	12	9	12	4
	★	2320763-UNJF7/8	UNJF 7/8-14	22,225	125	30	78	18	14,5	17	4

UNJF 10: Without reduced neck after the thread

C1

**WALTER SELECT**

●● Primary application   ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

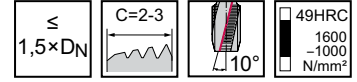
# HSS-E PM machine taps

mm

## Paradur® Ni 10



- External diameter, rounded
- For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1

Parallel shank

Designation uncoated	D <sub>N</sub> -P	D <sub>N</sub> mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>g</sub> mm	N
234101-UNJF6	UNJF #6-40	3,505	56	9,5	9,5	4	3	6	3
234101-UNJF8	UNJF #8-36	4,166	63	11	11	4,5	3,4	6	3
234101-UNJF10	UNJF #10-32	4,826	70	12,5	12,5	6	4,9	8	3
★ 234101-UNJF12	UNJF #12-28	5,486	80	14,5	14,5	6	4,9	8	3
234101-UNJF1/4	UNJF 1/4-28	6,35	80	16	16	7	5,5	8	3
234101-UNJF5/16	UNJF 5/16-24	7,938	90	20	20	8	6,2	9	3
234101-UNJF3/8	UNJF 3/8-24	9,525	100	23	23	10	8	11	3
★ 234101-UNJF7/16	UNJF 7/16-20	11,113	100	27	27	12	9	12	4
★ 234101-UNJF1/2	UNJF 1/2-20	12,7	100	30	30	14	11	14	4
★ 234101-UNJF9/16	UNJF 9/16-18	14,288	100	33,5	56	14	11	14	4
★ 234101-UNJF5/8	UNJF 5/8-18	15,875	100	37	55	16	12	15	4
★ 234101-UNJF7/8	UNJF 7/8-14	22,225	125	51	78	18	14,5	17	5

≤ UNJF 10: Without reduced neck after the thread

C1

**WALTER SELECT** ●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions



# HSS-E PM machine taps

mm

## Paradur® Ti Plus



- Recommended with emulsion
- External diameter, rounded

≤  
2×DN

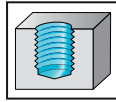
C=2-3

15°

44HRC  
1400-700  
N/mm²

**UNJF**  
ASME B1.15

3B



	P	M	K	N	S	H	O
ACN					●●		

~DIN 2184-1		Designation ACN	D <sub>N</sub> -P	D <sub>N</sub> mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>g</sub> mm	N
<p>Parallel shank</p>	★	2340663-UNJF6	UNJF #6-40	3,505	56	12	12	4	3	6	3
	★	2340663-UNJF8	UNJF #8-36	4,166	63	13	13	4,5	3,4	6	3
		2340663-UNJF10	UNJF #10-32	4,826	70	16	16	6	4,9	8	3
	★	2340663-UNJF12	UNJF #12-28	5,486	80	15	23	6	4,9	8	3
		2340663-UNJF1/4	UNJF 1/4-28	6,35	80	15	25	7	5,5	8	3
		2340663-UNJF5/16	UNJF 5/16-24	7,938	90	18	29,5	8	6,2	9	3
		2340663-UNJF3/8	UNJF 3/8-24	9,525	100	20	33,5	10	8	11	3
	★	2340663-UNJF7/16	UNJF 7/16-20	11,113	100	20	76	8	6,2	9	4
	★	2340663-UNJF1/2	UNJF 1/2-20	12,7	100	23	73	9	7	10	4
	★	2340663-UNJF9/16	UNJF 9/16-18	14,288	100	25	71	11	9	12	4
	★	2340663-UNJF5/8	UNJF 5/8-18	15,875	100	25	58	12	9	12	4
	★	2340663-UNJF7/8	UNJF 7/8-14	22,225	125	30	78	18	14,5	17	5

UNJF 10: Without reduced neck after the thread

C1

**WALTER SELECT**

●● Primary application   ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

## Solid carbide taps

Machining					
Thread depth	2 x D <sub>N</sub>	2 x D <sub>N</sub>	2 x D <sub>N</sub>	3 x D <sub>N</sub>	1,5 x D <sub>N</sub>



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					
Indexable inserts basic shape					
Tolerance	6HX	6HX / NORMAL	6HX	2B / 6H	6H
Coolant supply	Precision cooling	External	External	External	External
Chamfer form	B	C	D	C	C
Coating / grade	TICN	WJ30TU	WE10TU	TICN / uncoated	TICN / uncoated
Cutting tool material	VHM	VHM	VHM	VHM	VHM
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](http://www.walter-tools.com/woc/prototex-hsc)

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[www.walter-tools.com/woc/TC389](http://www.walter-tools.com/woc/TC389)

[www.walter-tools.com/woc/paradur-hs](http://www.walter-tools.com/woc/paradur-hs)

[www.walter-tools.com/woc/paradur-n](http://www.walter-tools.com/woc/paradur-n)
**WALTER SELECT**

●● Primary application ● Other application

# Solid carbide taps

Machining					

Thread depth	2 x D <sub>N</sub>	3 x D <sub>N</sub>	3 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>
--------------	--------------------	--------------------	--------------------	----------------------	----------------------



Designation	Paradur® HSC	Paradur® Engine	Paradur® HS	Paradur® GG	Paradur® N
-------------	--------------	-----------------	-------------	-------------	------------

Thread type					
M	✓	✓	✓	✓	✓
MF	✓	✓		✓	
UNC / UNF / UN-8					
G / Rc / Rp					
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape					

Tolerance	6HX	6HX	6H	6HX	6H
-----------	-----	-----	----	-----	----

Coolant supply	axial	axial	axial	axial	axial
----------------	-------	-------	-------	-------	-------

Chamfer form	C	E	C	C	C
--------------	---	---	---	---	---

Coating / grade	TICN	uncoated	TICN	TAFT / uncoated	uncoated
-----------------	------	----------	------	-----------------	----------

Cutting tool material	VHM	VHM	VHM	VHM	VHM
-----------------------	-----	-----	-----	-----	-----

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

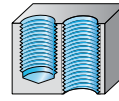
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<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	paradur-hsc	paradur-engine	paradur-hs	paradur-gg	paradur-n
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## HSS-E and solid carbide thread formers

Machining



Thread depth

2 x D<sub>N</sub>

3 x D<sub>N</sub>

3 x D<sub>N</sub>

3 x D<sub>N</sub>

3 x D<sub>N</sub>



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

Indexable inserts basic shape

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 / uncoated

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

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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

protodyn-eco-lm

protodyn-c

TC410

TC420

TC430

# HSS-E and solid carbide thread formers

Machining					
-----------	--	--	--	--	--

Thread depth	3 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>
--------------	--------------------	----------------------	----------------------	----------------------	----------------------



Designation	TC470 Supreme	Protodyn® S Synchrospeed	Protodyn® SC	Protodyn® SF	TC410 Advance
-------------	---------------	--------------------------	--------------	--------------	---------------

Thread type					
M	✓	✓	✓	✓	✓
MF		✓		✓	✓
UNC / UNF / UN-8					✓
G / Rc / Rp				✓	✓
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape					

Tolerance	6HX	6HX	6GX / 6HX	6HX / NORMAL	2BX / 6GX / 6HX / 7GX / NORMAL
-----------	-----	-----	-----------	--------------	--------------------------------

Coolant supply	External	External / radial	External	External	External
----------------	----------	-------------------	----------	----------	----------

Chamfer form	C	C	C	C	C
--------------	---	---	---	---	---

Coating / grade	WG20EL	TICN / TIN	NiD / uncoated	TICN	WY80AD
-----------------	--------	------------	----------------	------	--------

Cutting tool material	VHM	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					
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www.walter-tools.com/woc/	TC470	protodyn-s-synchrospeed	protodyn-sc	protodyn-sf	TC410
---------------------------	-------	-------------------------	-------------	-------------	-------

C2

## HSS-E and solid carbide thread formers

Machining					
Thread depth	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>



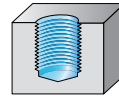
Designation	TC420 Supreme	TC430 Supreme	TC440 Supreme	TC470 Supreme	TC410 Advance
<b>Thread type</b>					
M	✓	✓	✓	✓	
MF	✓	✓	✓	✓	✓
UNC / UNF / UN-8					
G / Rc / Rp					
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
<b>Indexable inserts basic shape</b>					
Tolerance	6GX / 6HX	6GX / 6HX	6HX	6HX	6GX
Coolant supply	External / radial	External / radial	External / radial	External / radial	External
Chamfer form	C	C	C	C	E
Coating / grade	WW60AD / WW60BA	WW60AD / WW60EL	WY80AD	WG20EL	WY80AD
Cutting tool material	HSS-E-PM	HSS-E-PM	HSS-E	VHM	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/	TC420	TC430	TC440	TC470	TC410

# HSS-E and solid carbide thread formers

Machining



Thread depth	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>	3,5 x D <sub>N</sub>
--------------	----------------------	----------------------	----------------------	----------------------



Designation	TC420 Supreme	TC430 Supreme	TC440 Supreme	TC470 Supreme
-------------	---------------	---------------	---------------	---------------

Thread type				
M	✓	✓	✓	✓
MF	✓	✓		
UNC / UNF / UN-8				
G / Rc / Rp				
MJ / UNJC / UNJF				
NPT / NPTF				
Pg / BSW / Tr				
Indexable inserts basic shape				

Tolerance	6GX / 6HX	6HX	6HX	6HX
-----------	-----------	-----	-----	-----

Coolant supply	External / axial	axial	axial	axial
----------------	------------------	-------	-------	-------

Chamfer form	C / E	C	C	C / E
--------------	-------	---	---	-------

Coating / grade	WW60AD / WW60BA	WW60AD / WW60EL	WY80AD	WG20EL
-----------------	-----------------	-----------------	--------	--------

Cutting tool material	HSS-E-PM	HSS-E-PM	HSS-E	VHM
-----------------------	----------	----------	-------	-----

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

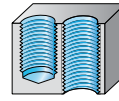
Page in catalogue



QR code				
	TC420	TC430	TC440	TC470

## Drill thread milling cutters

Machining



Thread depth

2 x D<sub>N</sub>

2 x D<sub>N</sub>

2 x D<sub>N</sub>

2,5 x D<sub>N</sub>

2,5 x D<sub>N</sub>

Selection

Selection



Designation

TC685 Supreme

TMD

Thrill-tec™

TC685 Supreme

Thrill-tec™

Thread type

M

✓

✓

✓

✓

✓

MF

✓

✓

✓

✓

UNC / UNF / UN-8

✓

✓

G / Rc / Rp

✓

✓

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

✓

✓

✓

✓

Additional services

Coolant supply

External / axial

axial

axial

External / axial

axial

Coating / grade

WB10RC

NHC / TAX

WB10TJ

WB10RC

WB10TJ

Cutting tool material

VHM

VHM

VHM

VHM

VHM

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

297

298

QR code



www.walter-tools.com/woc/

TC685

tmd

TC645

TC685

TC645



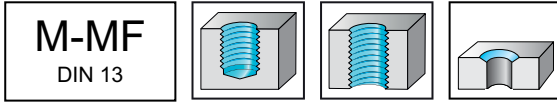
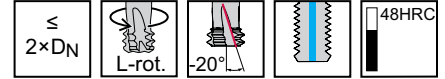
# Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec™



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



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

Tool		Designation	D <sub>N</sub>	D <sub>c</sub> mm	L <sub>c2</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10TJ
<p>DIN 6535 HA</p>		TC645-M4-A1D-	M 4	3,05	1,12	8	50	14	6	4	☺
		TC645-M5-A1D-	M 5	3,9	1,29	10	50	14	6	4	☺
		TC645-M6-A1D-	M 6	4,5	1,6	12	50	14	6	4	☺
		TC645-M8-A1D-	M 8	6,2	2,01	16	63	27	8	4	☺
		TC645-M10-A1D-	M 10	7,8	2,22	20	63	27	8	4	☺
		TC645-M12-A1D-	M 12	8,7	2,83	24	72	32	10	4	☺

Maximum nominal thread diameter for fine thread:  $D_c \times 1.94$  | Example: TC645-M8. /6.2 mm  $\times 1.94 = 12.03$  mm/MF 12 $\times$ 1.25 possible | Ordering example for the grade WB10TJ: TC645-M10-A1D-WB10TJ

C3

**WALTER SELECT** ●● Primary application ● Other application

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

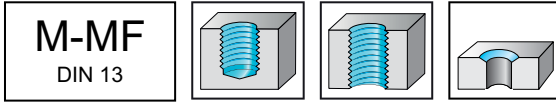
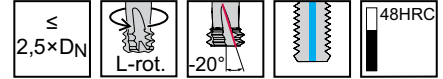
# Orbital drill thread milling cutter

TC645 Supreme

**Thrill-tec™**



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



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

Tool	Designation	D <sub>N</sub>	D <sub>c</sub> mm	L <sub>c2</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10TJ
<p>DIN 6535 HA</p>	TC645-M4-A1E-	M 4	3,05	1,12	10	50	14	6	4	☺
	TC645-M5-A1E-	M 5	3,9	1,29	12,5	57	21	6	4	☺
	TC645-M6-A1E-	M 6	4,5	1,6	15	57	21	6	4	☺
	TC645-M8-A1E-	M 8	6,2	2,01	20	63	27	8	4	☺
	TC645-M10-A1E-	M 10	7,8	2,42	25	63	27	8	4	☺
	TC645-M12-A1E-	M 12	8,7	2,83	30	72	33	10	4	☺

Maximum nominal thread diameter for fine thread:  $D_c \times 1.94$  | Example: TC645-M8.. /6.2 mm × 1.94 = 12.03 mm/MF 12×1.25 possible | Ordering example for the grade WB10TJ: TC645-M10-A1E-WB10TJ

C3

**WALTER SELECT**

●● Primary application ● Other application

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

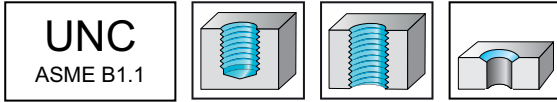
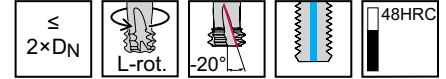
# Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec™



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



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

Tool	Designation	D <sub>N</sub>	D <sub>c</sub> mm	L <sub>c2</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10TJ
<p>DIN 6535 HA</p>	TC645-UNC8-A1D-	UNC #8-32	3,1	1,26	8,331	50	14	6	4	☺
	TC645-UNC10-A1D-	UNC #10-24	3,5	1,67	9,652	50	14	6	4	☺
	TC645-UNC1/4-A1D-	UNC 1/4-20	4,6	2,02	12,7	57	21	6	4	☺
	TC645-UNC5/16-A1D-	UNC 5/16-18	5,9	2,25	15,875	57	21	6	4	☺
	TC645-UNC3/8-A1D-	UNC 3/8-16	7,2	2,54	19,05	63	27	8	4	☺
	TC645-UNC7/16-A1D-	UNC 7/16-14	8,5	2,91	22,225	72	32	10	4	☺
	TC645-UNC1/2-A1D-	UNC 1/2-13	9,2	3,15	25,4	72	32	10	4	☺

Ordering example for the grade WB10TJ: TC645-UNC1/2-A1D-WB10TJ

**WALTER  
SELECT**

●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

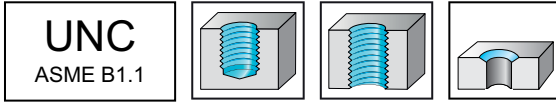
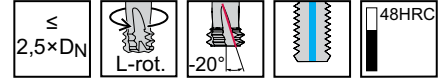
# Orbital drill thread milling cutter

TC645 Supreme

**Thrill-tec™**

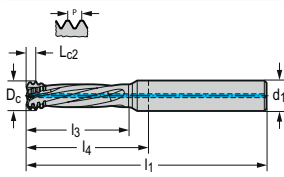


- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



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

## Tool



DIN 6535 HA

Designation	D <sub>N</sub>	D <sub>c</sub> mm	L <sub>c2</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10TJ
TC645-UNC8-A1E-	UNC #8-32	3,1	1,26	10,414	50	14	6	4	☺
TC645-UNC10-A1E-	UNC #10-24	3,5	1,67	12,065	57	21	6	4	☺
TC645-UNC1/4-A1E-	UNC 1/4-20	4,6	2,02	15,875	57	21	6	4	☺
TC645-UNC5/16-A1E-	UNC 5/16-18	5,9	2,25	19,844	57	22	6	4	☺
TC645-UNC3/8-A1E-	UNC 3/8-16	7,2	2,54	23,813	63	27	8	4	☺
TC645-UNC7/16-A1E-	UNC 7/16-14	8,5	2,91	27,781	72	32	10	4	☺
TC645-UNC1/2-A1E-	UNC 1/2-13	9,2	3,15	31,75	80	40	10	4	☺

Ordering example for the grade WB10TJ: TC645-UNC1/2-A1E-WB10TJ

C3

**WALTER  
SELECT**

●● Primary application ● Other application  
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ / ★ machining conditions

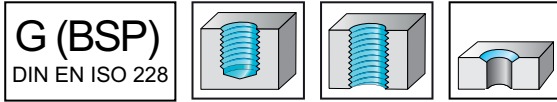
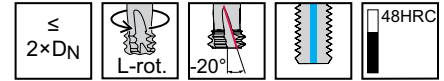
# Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec™



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



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

Tool		Designation	D <sub>N</sub>	Threads per inch	D <sub>c</sub> mm	L <sub>c2</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10TJ
		TC645-G1/16-A1D-	G 1/16-28	28	6,2	1,44	15,446	58	22	8	4	☺
		TC645-G1/8-A1D-	G 1/8-28	28	8,05	1,46	19,456	64	24	10	4	☺
		TC645-G1/4-A1D-	G 1/4-19	19	10,2	2,15	26,35	77	32	12	4	☺

DIN 6535 HA

Ordering example for the grade WB10TJ: TC645-G1/16-A1D-WB10TJ

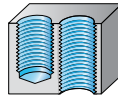
**WALTER SELECT**

●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

C3

## Thread milling cutters with countersink

Machining



Thread depth

2 x D<sub>N</sub>



Designation

TMC

Thread type

M



MF



UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape



Additional services



Coolant supply

External / axial

Coating / grade

TICN / uncoated

Cutting tool material

VHM

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

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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

tmc

# Thread milling cutters without countersink

Machining					
Thread depth	1,5 x D <sub>N</sub>	1,5 x D <sub>N</sub>	1,5 x D <sub>N</sub>	2 x D <sub>N</sub>	2 x D <sub>N</sub>

**Selection**



Designation	TC610 Supreme	TMG HRC	TMG Ni	TC611 Supreme	TC620 Supreme
<b>Thread type</b>					
M	✓	✓		✓	✓
MF	✓	✓		✓	✓
UNC / UNF / UN-8	✓			✓	✓
G / Rc / Rp	✓				
MJ / UNJC / UNJF			✓		
NPT / NPTF					
Pg / BSW / Tr					
<b>Indexable inserts basic shape</b>	✓	✓	✓	✓	✓
<b>Additional services</b>					
<b>Coolant supply</b>	External / axial	External	External / axial	External / axial	axial
<b>Coating / grade</b>	WB10RD / WJ30RC	TAX	TICN	WB10RD / WJ30RC	WB10TJ
<b>Cutting tool material</b>	VHM	VHM	VHM	VHM	VHM
<b>P Steel</b>	●●	●●	●●	●●	●●
<b>M Stainless steel</b>	●●	●●	●●	●●	●●
<b>K Cast iron</b>	●●	●●	●●	●●	●●
<b>N NF metals</b>	●●	●●	●	●●	●●
<b>S Materials with difficult cutting properties</b>	●●	●	●●	●●	●●
<b>H Hard materials</b>		●●			
<b>O Other</b>	●	●	●	●	●


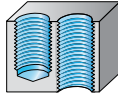

Page in catalogue 305



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/) TC610 tmg-hrc tmg-ni TC611 TC620

C3

## Thread milling cutters without countersink

Machining			
Thread depth	2 x D <sub>N</sub>	2,5 x D <sub>N</sub>	



Designation	TME	TC620 Supreme	TMG
Thread type			
M	✓	✓	
MF	✓	✓	
UNC / UNF / UN-8		✓	
G / Rc / Rp			
MJ / UNJC / UNJF			
NPT / NPTF			✓
Pg / BSW / Tr			
Indexable inserts basic shape	✓	✓	
Additional services			
Coolant supply	External	axial	External
Coating / grade	TICN	WB10TJ	TICN
Cutting tool material	VHM	VHM	VHM
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			
	<a href="http://www.walter-tools.com/woc/tme">www.walter-tools.com/woc/tme</a>	<a href="http://www.walter-tools.com/woc/TC620">TC620</a>	<a href="http://www.walter-tools.com/woc/tmg">tmg</a>



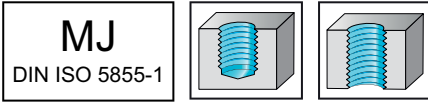
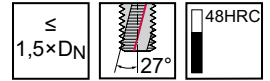
# Solid carbide thread milling cutters

mm

## TMG Ni

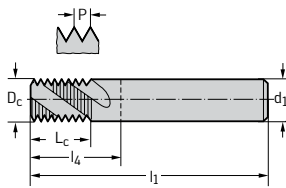


– Thread milling cutters for nickel alloys



TICN	P	M	K	N	S	H	O
	●●	●●	●	●	●●	●	●

### Tool



DIN 6535 HA

Designation	D <sub>N</sub>	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z
H5036006-MJ4	MJ 4	3	6,3	54	18	6	3
H5036006-MJ5	MJ 5	3,9	8	54	18	6	3
H5036006-MJ6	MJ 6	4,8	9	54	20	6	3

C3

**WALTER  
SELECT**

●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

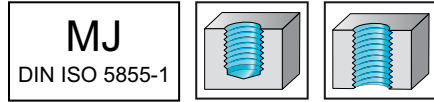
# Solid carbide thread milling cutters

mm

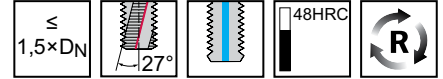
## TMG Ni



- Thread milling cutters for nickel alloys



**MJ**  
DIN ISO 5855-1



	P	M	K	N	S	H	O
TICN	●●	●●	●	●	●●	●	●

Tool	Designation	D <sub>N</sub>	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z
<p>DIN 6535 HA</p>	H5036016-MJ8	MJ 8	6,3	12,5	58	22	8	4

C3

**WALTER SELECT**

●● Primary application    ● Other application

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

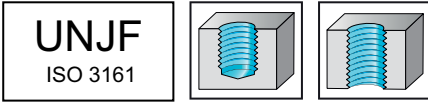
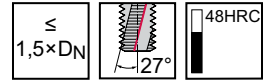
# Solid carbide thread milling cutters

mm

## TMG Ni



– Thread milling cutters for nickel alloys



	P	M	K	N	S	H	O
TICN	●●	●●	●	●	●●	●	●

Tool	Designation	Threads per inch	D <sub>N</sub>	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z
<p>DIN 6535 HA</p>	H5336006-UNJF10	32	UNJF #10-32	3,6	7,9	54	18	6	3
	H5336006-UNJF1/4	28	UNJF 1/4-28	4,8	10	54	18	6	3

C3

**WALTER SELECT**
●● Primary application   ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

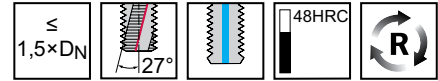
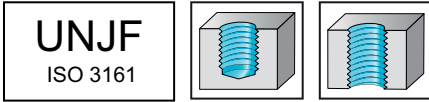
# Solid carbide thread milling cutters

mm

## TMG Ni

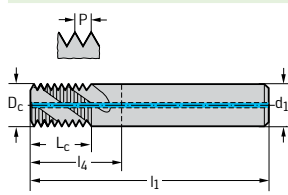


- Thread milling cutters for nickel alloys



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

### Tool



Designation	Threads per inch	DN	Dc mm	Lc mm	l1 mm	l4 mm	d1 h6 mm	Z
H5336016-UNJF5/16	24	UNJF 5/16-24	6,2	12,7	58	22	8	3
H5336016-UNJF3/8	24	UNJF 3/8-24	8	14,8	58	22	8	3
H5336016-UNJF7/16	20	UNJF 7/16-20	9,2	17,8	72	26	10	4
H5336016-UNJF1/2	20	UNJF 1/2-20	10,5	19,1	73	28	12	4

DIN 6535 HA

C3

**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

# Orbital thread milling cutters

Machining					
-----------	--	--	--	--	--

Thread depth	2 x D <sub>N</sub>	2 x D <sub>N</sub>	2,5 x D <sub>N</sub>	3 x D <sub>N</sub>	4 x D <sub>N</sub>
--------------	--------------------	--------------------	----------------------	--------------------	--------------------

**NEW**



Designation	TC630 Supreme	TMO HRC	TC630 Supreme	TC630 Supreme	TC630 Supreme
-------------	---------------	---------	---------------	---------------	---------------

Thread type					
M	✓	✓	✓	✓	✓
MF	✓	✓	✓	✓	✓
UNC / UNF / UN-8	✓			✓	
G / Rc / Rp					
MJ / UNJC / UNJF				✓	
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape	✓	✓	✓	✓	✓

Additional services					
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Coolant supply	External / axial	External	External	External / axial	axial
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Coating / grade	WB10RA / WB10TJ	TAX	WB10TJ	WB10RA / WB10TJ	WB10TJ
-----------------	-----------------	-----	--------	-----------------	--------

Cutting tool material	VHM	VHM	VHM	VHM	VHM
-----------------------	-----	-----	-----	-----	-----

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				310	
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QR code					
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www.walter-tools.com/woc/	TC630	tmo-hrc	TC630	TC630	TC630
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**WALTER SELECT**

●● Primary application ● Other application

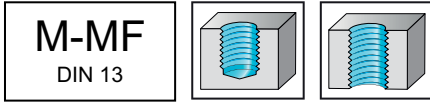
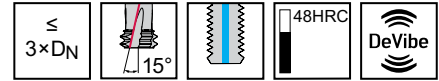
C3

# Solid carbide orbital thread mills

TC630 Supreme



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



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

Tool		Designation	D <sub>N</sub>	P mm	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10TJ
	★	TC630-M4-A5F-	M 4	0,7	3,1	2,1	13,05	57	21	6	4	☹
	★	TC630-M5-A5F-	M 5	0,8	4	2,4	16,2	57	21	6	4	☹
	★	TC630-M6-A5F-	M 6	1	4,8	3	19,5	57	21	6	4	☹

DIN 6535 HA

Ordering example for the grade WB10TJ: TC630-M4-A5F-WB10TJ

C3

**WALTER SELECT** ●● Primary application   ● Other application

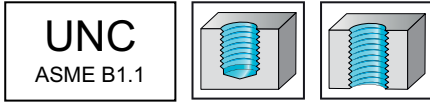
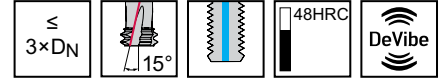
Best tool for → Good = 😊   → Average = 😐   → Poor = ☹ machining conditions

# Solid carbide orbital thread mills

TC630 Supreme



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



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

Tool	Designation	D <sub>N</sub> -P	Threads per inch	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10TJ
	★ TC630-UNC8-A5F-	UNC #8-32	32	3,25	2,38	13,687	57	21	6	4	☹
	★ TC630-UNC10-A5F-	UNC #10-24	24	3,55	3,18	16,065	57	21	6	4	☹
	★ TC630-UNC1/4-A5F-	UNC 1/4-20	20	4,85	3,81	20,955	57	21	6	4	☹

DIN 6535 HA

Ordering example for the grade WB10TJ: TC630-UNC1/4-A5F-WB10TJ

**WALTER SELECT**

●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

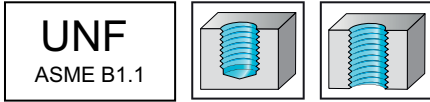
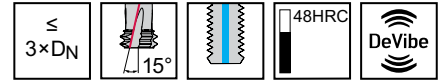
C3

# Solid carbide orbital thread mills

TC630 Supreme

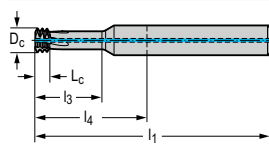


- Universal orbital thread milling cutters
- Best running smoothness due to Walter DeVibe technology



	P	M	K	N	S	H	0
WB10TJ	●●	●●	●●	●●	●●		●

## Tool



Designation	D <sub>N</sub> -P	Threads per inch	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10TJ
★ TC630-UNF8-A5F-	UNF #8-36	36	3,25	2,12	12,85	57	21	6	4	☹
★ TC630-UNF10-A5F-	UNF #10-32	32	3,85	2,38	15,669	57	21	6	4	☹
★ TC630-UNF1/4-A5F-	UNF 1/4-28	28	5,25	2,72	20,411	57	21	6	4	☹
★ TC630-UNF5/16-A5F-	UNF 5/16-24	24	6,55	3,18	25,4	63	27	8	4	☹

DIN 6535 HA

Ordering example for the grade WB10TJ: TC630-UNF1/4-A5F-WB10TJ

C3

**WALTER  
SELECT**

●● Primary application ● Other application  
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

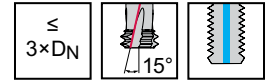
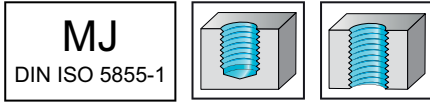


# Solid carbide orbital thread mills

TC630 Supreme



– Specialist for aerospace industry



	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Tool		Designation	D <sub>N</sub>	P mm	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10RA
	★	TC630-MJ4-A1F-	MJ 4	0,7	3,1	2,1	12,35	57	21	6	4	☹
	★	TC630-MJ5-A1F-	MJ 5	0,8	4	2,4	15,4	57	21	6	4	☹
	★	TC630-MJ6-A1F-	MJ 6	1	4,8	3	18,5	57	21	6	4	☹
	★	TC630-MJ8-A1F-	MJ 8	1,25	6,4	3,75	24,625	63	27	8	4	☹
	★	TC630-MJ10-A1F-	MJ 10	1,5	8,2	4,5	30,75	72	32	10	5	☹

DIN 6535 HA

Ordering example for the grade WB10RA: TC630-MJ10-A1F-WB10RA

C3

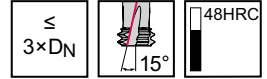
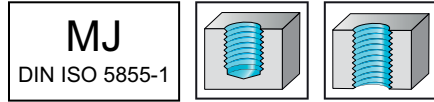
●● Primary application   ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

# Solid carbide orbital thread mills

TC630 Supreme



– Specialist for aerospace industry



	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Tool		Designation	D <sub>N</sub>	P mm	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10RA
		★ TC630-MJ3-A0F-	MJ 3	0,5	2,3	1,5	9,25	57	21	6	4	☒
DIN 6535 HA												

Ordering example for the grade WB10RA: TC630-MJ3-A0F-WB10RA

C3

**WALTER SELECT**

●● Primary application    ● Other application

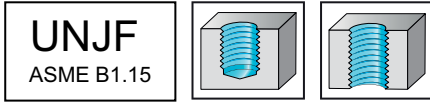
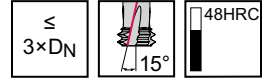
Best tool for → Good = 😊    → Average = 😐    → Poor = ☹️ machining conditions

# Solid carbide orbital thread mills

TC630 Supreme



– Specialist for aerospace industry



	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Tool		Designation	D <sub>N</sub> -P	Threads per inch	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10RA
	★	TC630-UNJF4-A0F-	UNJF #4-48	48	2,2	1,59	8,799	57	21	6	4	☹
	★	TC630-UNJF6-A0F-	UNJF #6-40	40	2,75	1,91	10,833	57	21	6	4	☹

DIN 6535 HA

Ordering example for the grade WB10RA: TC630-UNJF4-A0F-WB10RA

**WALTER SELECT**

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

●● Primary application ● Other application

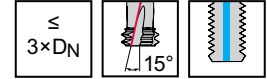
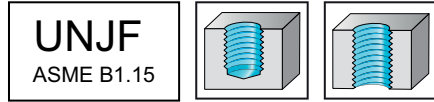
C3

# Solid carbide orbital thread mills

TC630 Supreme



– Specialist for aerospace industry



	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Tool	Designation	D <sub>N</sub> -P	Threads per inch	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10RA
<p>DIN 6535 HA</p>	★ TC630-UNJF8-A1F-	UNJF #8-36	36	3,25	2,12	12,85	57	21	6	4	☹
	★ TC630-UNJF10-A1F-	UNJF #10-32	32	3,85	2,38	14,875	57	21	6	4	☹
	★ TC630-UNJF1/4-A1F-	UNJF 1/4-28	28	5,25	2,72	19,504	57	21	6	4	☹
	★ TC630UNJF5/16-A1F-	UNJF 5/16-24	24	6,55	3,18	24,342	63	27	8	4	☹
	★ TC630-UNJF3/8-A1F-	UNJF 3/8-24	24	8,2	3,18	29,104	72	32	10	5	☹
	★ TC630UNJF7/16-A1F-	UNJF 7/16-20	20	9,4	3,81	33,973	77	37	10	5	☹
	★ TC630-UNJF1/2-A1F-	UNJF 1/2-20	20	11	3,81	38,735	87	42	12	5	☹
	★ TC630UNJF9/16-A1F-	UNJF 9/16-18	18	12	4,23	43,568	91	46	12	5	☹

Ordering example for the grade WB10RA: TC630-UNJF1/2-A1F-WB10RA

C3

**WALTER SELECT**

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

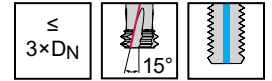
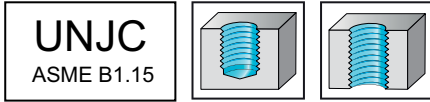
●● Primary application ● Other application

# Solid carbide orbital thread mills

TC630 Supreme



– Specialist for aerospace industry



	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Tool	Designation	D <sub>N</sub> -P	Threads per inch	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10RA
<p>DIN 6535 HA</p>	★ TC630-UNJC8-A1F-	UNJC #8-32	32	3,25	2,38	12,894	57	21	6	4	☠
	★ TC630-UNJC10-A1F-	UNJC #10-24	24	3,55	3,18	15,007	57	21	6	4	☠
	★ TC630-UNJC1/4-A1F-	UNJC 1/4-20	20	4,85	3,81	19,685	57	21	6	4	☠
	★ TC630UNJC5/16-A1F-	UNJC 5/16-18	18	6,2	4,23	24,518	63	27	8	4	☠
	★ TC630-UNJC3/8-A1F-	UNJC 3/8-16	16	7,55	4,76	29,369	68	32	8	5	☠
	★ TC630UNJC7/16-A1F-	UNJC 7/16-14	14	8,9	5,44	34,245	79	39	10	5	☠
	★ TC630-UNJC1/2-A1F-	UNC 1/2-13	13	10,25	5,86	39,077	90	45	12	5	☠
	★ TC630UNJC9/16-A1F-	UNJC 9/16-12	12	11,6	6,35	43,921	92	47	12	5	☠

Ordering example for the grade WB10RA: TC630-UNJC1/2-A1F-WB10RA

**WALTER SELECT** ●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = ☠ machining conditions

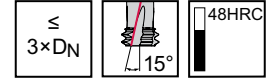
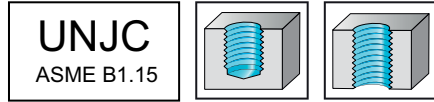
C3

# Solid carbide orbital thread mills

TC630 Supreme



– Specialist for aerospace industry



	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Tool		Designation	D <sub>N</sub> -P	Threads per inch	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WB10RA
	★	TC630-UNJC4-A0F-	UNJC #4-40	40	2,1	1,91	8,852	57	21	6	4	☒
	★	TC630-UNJC6-A0F-	UNJC #6-32	32	2,6	2,38	10,912	57	21	6	4	☒

DIN 6535 HA

Ordering example for the grade WB10RA: TC630-UNJC4-A0F-WB10RA

C3

**WALTER SELECT**

●● Primary application   ● Other application

Best tool for → Good = 😊   → Average = 😐   → Poor = ☒ machining conditions

# Thread milling cutters with indexable insert

Machining

Thread depth	1,5 x D <sub>N</sub>	2 x D <sub>N</sub>	2,5 x D <sub>N</sub>	3 x D <sub>N</sub>
--------------	----------------------	--------------------	----------------------	--------------------



Designation	T2710	T2711	T2712	T2713
<b>Thread type</b>				
M	✓	✓	✓	✓
MF	✓	✓	✓	✓
UNC / UNF / UN-8	✓	✓	✓	✓
G / Rc / Rp			✓	✓
MJ / UNJC / UNJF				
NPT / NPTF				
Pg / BSW / Tr				
Indexable inserts basic shape	✓	✓	✓	✓
<b>Additional services</b>				
Coolant supply	radial	radial	radial	radial
<b>Coating / grade</b>				
Cutting tool material	Stahl	Stahl	Stahl	Stahl
<b>P</b> Steel	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●
<b>N</b> NF metals	●	●	●	●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●
<b>H</b> Hard materials	●	●	●	●
<b>O</b> Other	●	●	●	●

Page in catalogue

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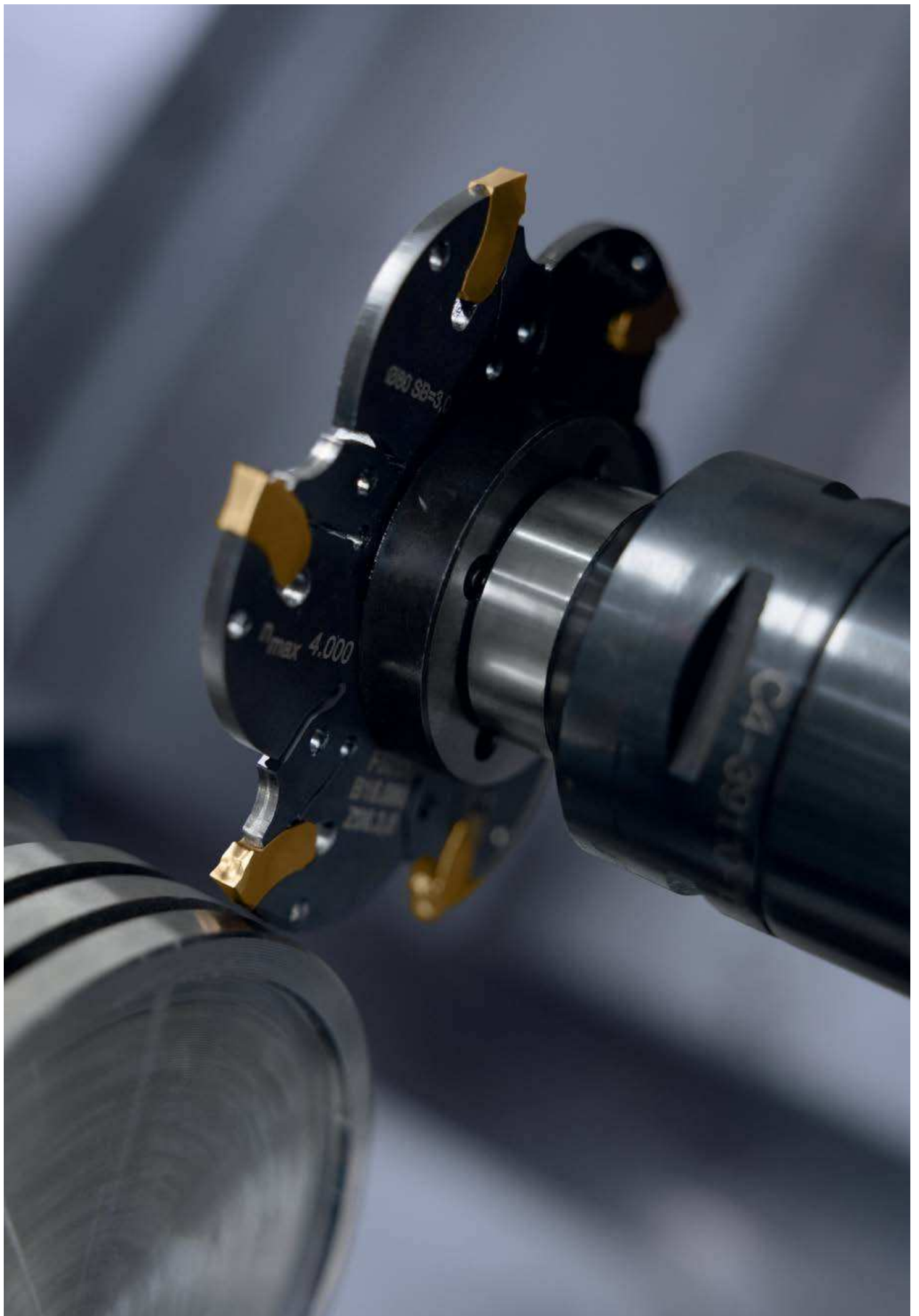
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T2710

T2711

T2712

T2713

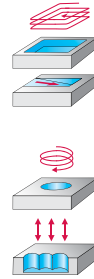




## D – Milling

D1: Solid carbide milling tools		Page
<b>Solid carbide milling tools</b>	Product range overview	
	High-feed milling cutter	322
	Shoulder milling cutters	323
	Shoulder/slot milling cutters	327
	Copy milling cutters	333
	Profiling cutters	335
	Circle segment milling cutters	337
	Order pages	
	Shoulder milling cutters	338
	Shoulder/slot milling cutters	351
	Copy milling cutters	367
	<b>Solid carbide milling tools with ConeFit interface</b>	Product range overview
High-feed milling cutter		370
Shoulder milling cutters		371
Shoulder/slot milling cutters		372
Copy milling cutters		374
Profiling cutters		375
Circle segment milling cutters		376
<b>Brazed milling tools</b>	Brazed milling tools	377
	Order pages	
	Brazed milling tools	381
D2: Milling tools with indexable inserts		Page
<b>Indexable inserts for milling</b>	Order pages	
	Positive indexable inserts	386
	Negative indexable inserts	388
	Indexable inserts for tangential fitting	389
<b>Indexable insert milling cutters</b>	Product range overview	
	Face milling cutters	390
	High-feed milling cutter	395
	Shoulder milling cutters	397
	Slot milling cutters	405
	Copy milling cutters	409
	Profiling cutters	412
	Order pages	
	Shoulder milling cutters	414
	Copy milling cutters	430

## High-feed milling cutters



Designation	MC025 Advance	MD025 Supreme	MD025 Supreme	MC089 Advance
Diameter range	1–16	6–16	6–16	4–16
Number of teeth	2–4	5–6	5–6	4
Corner radius	0,1–2	0,5–2	0,5–2	0,5–2
Diameter range	0,125–0,625	0,250–0,625	0,250–0,625	—
Number of teeth	4	5–6	5–6	—
Corner radius	0,020–0,080	0,020–0,080	0,020–0,080	—
Standard	PWZ-NORM L STANDARD	PWZ-NORM L STANDARD	PWZ-NORM L STANDARD	DIN 6527 L
Coating / grade	WJ30TF	WJ30TF	WJ30RD	WJ30RA
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
<b>P</b> Steel	●●	●●		
<b>M</b> Stainless steel	●		●●	
<b>K</b> Cast iron	●	●		
<b>N</b> NF metals			●	
<b>S</b> Materials with difficult cutting properties	●		●●	
<b>H</b> Hard materials				●●
<b>O</b> Other				

Page in catalogue

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MC025

MD025

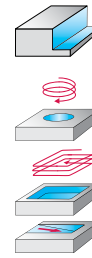
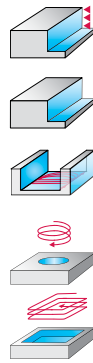
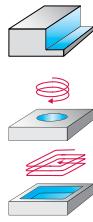
MD025

MC089

**WALTER SELECT**

●● Primary application ● Other application

## Shoulder milling cutters



Designation	MC129 Advance	MC128 Advance	MC122 Advance	MC112 Advance	MC111 Advance
Diameter range	6–20	2–25	18–25	4–16	7
Number of teeth	6	4–8	5–8	4	4
Corner radius		0,5–4		0,5–2	
Diameter range	—	0,250–0,750	—	—	0,094–0,750
Number of teeth		6–8			4
Corner radius		0,015–0,250			
Standard	DIN 6527 L	DIN 6527 L STANDARD	DIN 6527 L PWZ-NORM XL	PWZ-NORM XL PWZ-NORM L	DIN 6527 K STANDARD
Coating / grade	WJ30TF	WJ30TF	WJ30TF	WJ30TF	WJ30TF
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA DIN 6535 HB	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



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MC129

MC128

MC122

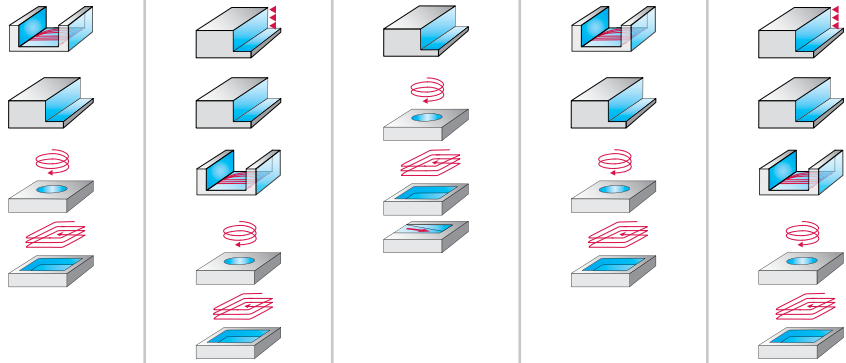
MC112

MC111

**WALTER SELECT**

●● Primary application ● Other application

## Shoulder milling cutters



Designation	MD133 Supreme	MD128 Supreme	Protostar®	MD133 Supreme	MD128 Supreme
Diameter range	6–20	6–25	0,4–3	6–20	6–25
Number of teeth	5–6	6–8	2	5–6	6–8
Corner radius	0,3–1	0,5–4	0,05–0,3	0,3–1	0,5–4
Diameter range	0,250–0,750	—	—	0,250–0,750	—
Number of teeth	5–6	—	—	5–6	—
Corner radius	0,015–0,030	—	—	0,015–0,030	—
Standard	PWZ-NORM L PWZ-NORM XL	PWZ-NORM	PWZ-NORM MINI	PWZ-NORM L PWZ-NORM XL	PWZ-NORM
Coating / grade	WJ30TF	WJ30RD	WJ30RD	TAX	WJ30RA
Shank	DIN 6535 HB Cylindrical shank	DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	DIN 6535 HB
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel				●●	●●
<b>K</b> Cast iron	●	●			
<b>N</b> NF metals			●	●	
<b>S</b> Materials with difficult cutting properties				●	●●
<b>H</b> Hard materials					
<b>O</b> Other					

Page in catalogue

QR code



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MD133

MD128

protostar

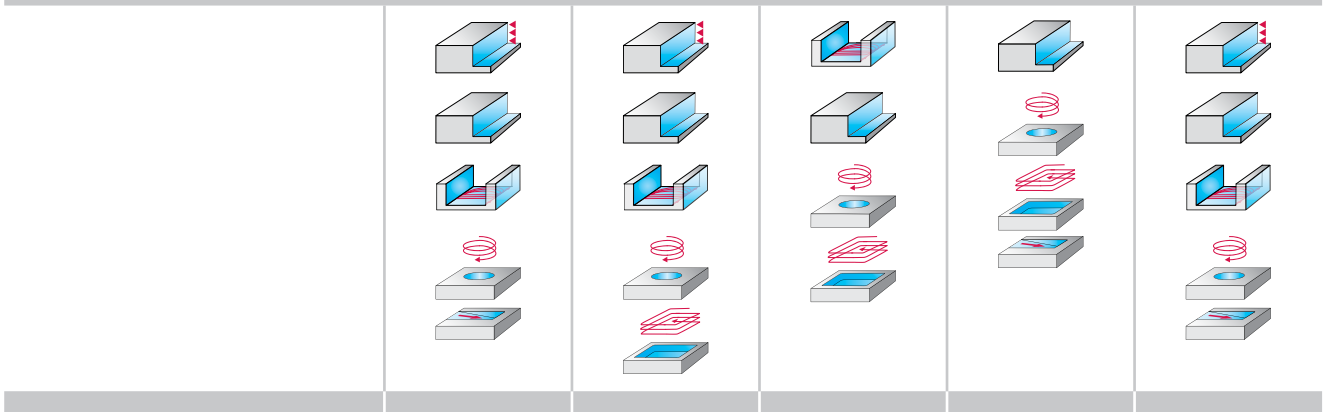
MD133

MD128

**WALTER SELECT**

●● Primary application ● Other application

## Shoulder milling cutters



NEW

NEW

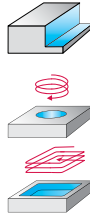


Designation	MC166 Advance	MD177 Supreme	MD173 Supreme	Protostar® Ti	MC187 Advance
Diameter range	12–20	6–25	6–20	16–25	3–25
Number of teeth	3	7	7	4–5	4–8
Corner radius	1–5	0,3–1,25	0,3–1	3–4	0,5–3
Diameter range	—	0,187–1,000	0,250–1,000	—	0,125–0,750
Number of teeth	—	7	7	—	4–8
Corner radius	—	0,015–0,120	0,015–0,120	—	0,015–0,060
Standard	PWZ-NORM L PWZ-NORM XL	DIN 6527 L PWZ-NORM L PWZ-NORM XL STANDARD PWZ-NORM S	DIN 6527 L PWZ-NORM L STANDARD PWZ-NORM XL	PWZ-NORM XL	DIN 6527 L PWZ-NORM L STANDARD
Coating / grade	WJ30RA	WJ30UU	WJ30EN	WJ30EN	ACN
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HB Cylindrical shank	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		338	345		
QR code					
www.walter-tools.com/woc/	MC166	MD177	MD173	protostar-ti	MC187

D1

**WALTER SELECT** ●● Primary application ● Other application

## Shoulder milling cutters



Designation **MC183 Advance**

Diameter range	6–16
Number of teeth	6–16
Corner radius	

Diameter range	—
Number of teeth	
Corner radius	

Standard	DIN 6527 L
----------	------------

Coating / grade	WB10TG
-----------------	--------

Shank	DIN 6535 HA
-------	-------------

<b>P</b> Steel	
<b>M</b> Stainless steel	
<b>K</b> Cast iron	
<b>N</b> NF metals	
<b>S</b> Materials with difficult cutting properties	
<b>H</b> Hard materials	● ●
<b>O</b> Other	

Page in catalogue

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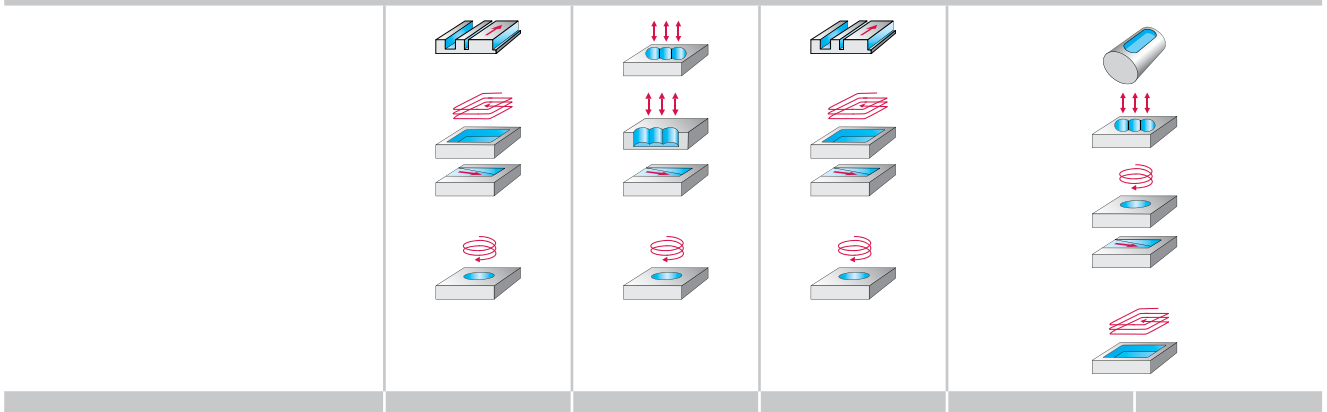
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MC183

**WALTER SELECT**

● ● Primary application ● Other application

## Shoulder/slot milling cutters



**NEW**



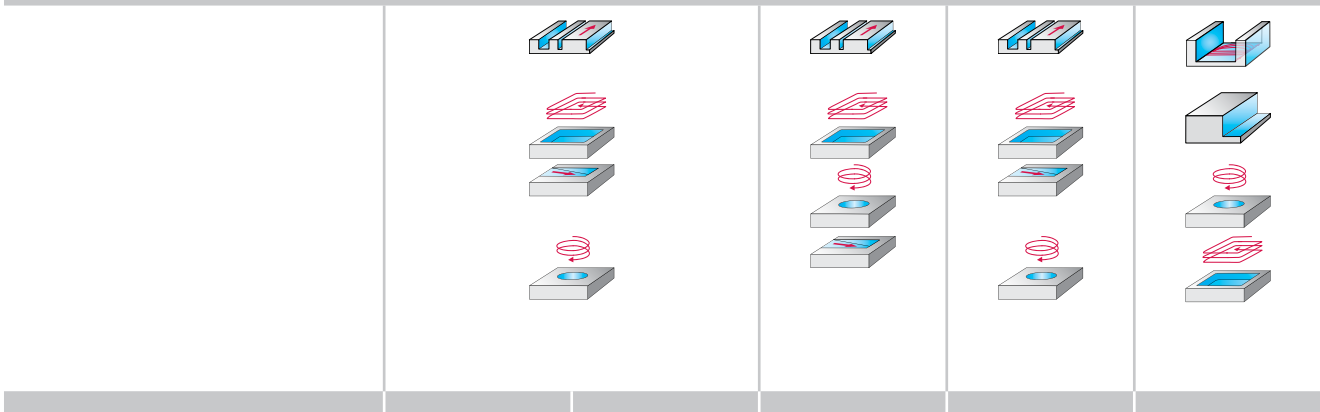
Designation	ME232 Perform	MD344 Supreme	MD340 Supreme	MC726 Supreme	MC716 Advance
Diameter range	2–20	6–20	2–25	2,8–16	1,8–20
Number of teeth	2–6	4	3–5	3–4	2–3
Corner radius	0,2–3	0,3–1	0,2–4	0,08–0,25	
Diameter range	0,125–0,750	—	0,063–0,750	—	—
Number of teeth	2–4		3–5		
Corner radius	0,015–0,125		0,015–0,060		
Standard	P-NORM L DIN 6527 L STANDARD P-NORM S	DIN 6527 L	P-NORM DIN 6527 L ANSI-STANDARD P-NORM L	DIN 6527 K	DIN 6527 K
Coating / grade	WJ30ED	WJ30ED	WK40TP	WK40TP	WK40TF
Shank	DIN 6535 HA DIN 6535 HB	DIN 6535 HA DIN 6535 HB	DIN 6535 HB	DIN 6535 HA DIN 6535 HB	DIN 6535 HA DIN 6535 HB
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●	●	●
<b>K</b> Cast iron	●	●	●	●	●
<b>N</b> NF metals	●				
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials					
<b>O</b> Other					
Page in catalogue	351				
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	ME232	MD344	MD340	MC726	MC716

**WALTER SELECT**

●● Primary application ● Other application

D1

## Shoulder/slot milling cutters



Designation	MC326 Supreme	MC321 Advance	MC320 Advance	MC319 Advance	MC233 Advance Xill-tec®
Diameter range	2–25	—	4–25	5–25	8–25
Number of teeth	3–5	—	3–8	4	4–8
Corner radius	0,2–4	—	0,2–0,4	0,2–0,4	—
Diameter range	0,125–0,750	0,125–0,500	0,250–0,750	—	—
Number of teeth	3–4	4	4	—	—
Corner radius	0,015–0,160	—	0,008–0,016	—	—
Standard	STUB STANDARD PWZ-NORM L DIN 6527 L LONG	STUB	DIN 6527 L DIN 6527 K STANDARD	DIN 6527 L	P-NORM L P-NORM XL
Coating / grade	WJ30TF	WK40TF	WJ30TF	WK40TF	WK40TF
Shank	DIN 6535 HB	DIN 6535 HA DIN 6535 HB	Cylindrical shank	DIN 6535 HB	DIN 6535 HB
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●	●	●
<b>K</b> Cast iron	●	●	●	●	●
<b>N</b> NF metals					●
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials					
<b>O</b> Other					

Page in catalogue

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MC326

MC321

MC320

MC319

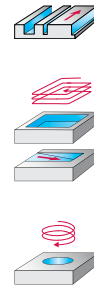
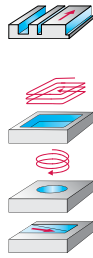
MC233

**WALTER SELECT**

●● Primary application ● Other application



## Shoulder/slot milling cutters



Designation	MC230 Advance Xill-tec®	MC216 Advance	MC213 Advance	MC341 Supreme	MC251 Advance
Diameter range	1–25	2–3	0,6–14,5	6–20	3–20
Number of teeth	2–8	3	2–4	4	4
Corner radius	0,2–4		0,06–1,5		0,2–6
Diameter range	—	0,094	—	—	—
Number of teeth		2			
Corner radius					
Standard	DIN 6527 L P-NORM S P-NORM L DIN 6527 K P-NORM XL	STANDARD DIN 6527 L	PWZ-NORM XL PWZ-NORM L	PWZ-NORM	DIN 6527 L
Coating / grade	WK40TF	WK40TF	WJ30TF	WJ30TF	WK40TZ
Shank	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



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MC230

MC216

MC213

MC341

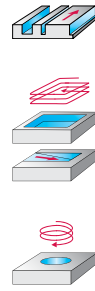
MC251

**WALTER SELECT**

●● Primary application ● Other application

D1

## Shoulder/slot milling cutters



Designation	Proto-max™ <sub>Inox</sub>	MD266 Supreme	MD265 Supreme	MD265 Supreme	MC268 Advance
Diameter range	6–20	2–25	16–25	16–25	6–25
Number of teeth	4	2–3	3	3	3–4
Corner radius	0,5–4	0,2–4	2–4	2–4	0,5–4
Diameter range	0,250–0,750	—	—	—	—
Number of teeth	4	—	—	—	—
Corner radius	—	—	—	—	—
Standard	DIN 6527 L DIN 6527	DIN 6527 L P-NORM L P-NORM XL	DIN 6527 L P-NORM L P-NORM XL	DIN 6527 L	DIN 6527 L P-NORM L
Coating / grade	WK40RC	TAA	WJ30UU	WJ30UU	WJ30DD
Shank	DIN 6535 HA	DIN 6535 HA DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
<b>P</b> Steel					
<b>M</b> Stainless steel	●●				
<b>K</b> Cast iron					
<b>N</b> NF metals		●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●				
<b>H</b> Hard materials					
<b>O</b> Other					

Page in catalogue

QR code



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protomax-inox

MD266

MD265

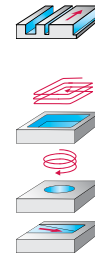
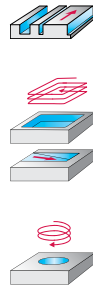
MD265

MC268

**WALTER SELECT**

●● Primary application ● Other application

## Shoulder/slot milling cutters



Designation	MC267 Advance	MC267 Advance	Protostar®	MD377 Supreme	MC377 Advance
Diameter range	1–20	1–20	2–20	6–25	2–25
Number of teeth	2–3	3	1–2	5	3–4
Corner radius	0,2–4	0,2–0,5		0,5–6,35	0,2–4
Diameter range	—	—	—	—	—
Number of teeth					
Corner radius					
Standard	DIN 6527 L	DIN 6527 L	PWZ-NORM L DIN 6527 L	DIN 6527 L	DIN 6527 L
Coating / grade	WJ30UU	WJ30UU	WJ30CA	uncoated	WK40TZ
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA DIN 6535 HB
<b>P</b> Steel					●
<b>M</b> Stainless steel				●	●
<b>K</b> Cast iron					
<b>N</b> NF metals	●●	●●	●●		
<b>S</b> Materials with difficult cutting properties				●●	●●
<b>H</b> Hard materials					
<b>O</b> Other					

Page in catalogue

QR code



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MC267

MC267

protostar

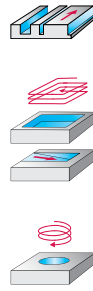
MD377

MC377

**WALTER SELECT**

●● Primary application ● Other application

## Shoulder/slot milling cutters



Designation	MC388 Advance	MC281 Advance	Protostar® Ultra	Protostar®
Diameter range	2–12	1–4	1–16	0,6–12
Number of teeth	3–4	2	2–4	2–4
Corner radius	0,5–3	0,2–0,5	0,1–2	0,05–1
Diameter range	0,125–0,500	—	—	—
Number of teeth	3–4	—	—	—
Corner radius	0,015–0,030	—	—	—
Standard	DIN 6527 L PWZ-NORM L	PWZ-NORM MINI	PWZ-NORM L PWZ-NORM MINI	PWZ-NORM L PWZ-NORM XL PWZ-NORM MINI
Coating / grade	WK40EA	WB10TG	WB10TG	TAX
Shank	DIN 6535 HA DIN 6535 HB	DIN 6535 HA DIN 6535 HB	DIN 6535 HA	DIN 6535 HA
<b>P</b> Steel	●			
<b>M</b> Stainless steel				
<b>K</b> Cast iron				
<b>N</b> NF metals				
<b>S</b> Materials with difficult cutting properties				
<b>H</b> Hard materials	●●	●●	●●	
<b>O</b> Other				●●

Page in catalogue

QR code



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MC388

MC281

protostar-ultra

protostar

**WALTER SELECT**

●● Primary application ● Other application

# Copy milling cutters



**NEW**



Designation	ME432 Perform	MC416 Advance	MC413 Advance	Protostar®	Protostar®
Diameter range	1–20	1–20	1–16	0,3–3	2–16
Number of teeth	2–4	2–4	2–4	2	2
Corner radius	0,5–10	0,5–10	0,5–8	0,15–1,5	1–8
Diameter range	0,063–0,625	0,063–0,500	—	—	—
Number of teeth	4	4	—	—	—
Corner radius	0,031–0,313	0,031–0,250	—	—	—
Standard	DIN 6527 L STANDARD	PWZ-NORM L STANDARD DIN 6527 L	PWZ-NORM L PWZ-NORM XL	PWZ-NORM MINI	PWZ-NORM L
Coating / grade	DIA	WJ30ED	WJ30TF	WJ30TF	TAX
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA DIN 6535 HB	DIN 6535 HA	DIN 6535 HA
<b>P</b> Steel	●●	●●	●●	●●	
<b>M</b> Stainless steel	●	●	●		
<b>K</b> Cast iron	●	●	●		
<b>N</b> NF metals	●	●	●	●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●		
<b>H</b> Hard materials					
<b>O</b> Other					

Page in catalogue 367

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ME432

MC416

MC413

protostar

protostar

**WALTER SELECT**

●● Primary application ● Other application

## Copy milling cutters



Designation	MC482 Advance	MC480 Advance	Proto-max™ Ultra	Protostar® Ultra	Protostar®
Diameter range	1–16	0,4–5	1–10	1–10	0,3–3
Number of teeth	2–4	2	2	2	2
Corner radius	0,5–8	0,2–2,5	0,5–5	0,5–5	0,15–1,5
Diameter range	—	—	—	—	—
Number of teeth	—	—	—	—	—
Corner radius	—	—	—	—	—
Standard	DIN 6527 K DIN 6527 L PWZ-NORM XL	PWZ-NORM MINI	PWZ-NORM L PWZ-NORM MINI	DIN 6527 L PWZ-NORM L	PWZ-NORM MINI
Coating / grade	uncoated	WB10TG	WB10TG	TAS	TAX
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
<b>P</b> Steel					
<b>M</b> Stainless steel					
<b>K</b> Cast iron					
<b>N</b> NF metals					
<b>S</b> Materials with difficult cutting properties					
<b>H</b> Hard materials	●●	●●	●●	●●	
<b>O</b> Other					●●

Page in catalogue

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MC482

MC480

protomax-ultra

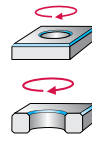
protostar-ultra

protostar

**WALTER SELECT**

●● Primary application ● Other application

# Profiling cutters



Designation	MC504 Advance	MC503 Advance	MC502 Advance	MC501 Advance	MC500 Advance
Diameter range	6–12	6–20	10	6–12	6–10
Number of teeth	4–6	3–4	4	4–6	4
Corner radius					
Diameter range	—	—	—	—	—
Number of teeth					
Corner radius					
Standard	PWZ-NORM L	DIN 6527 L	PWZ-NORM L	PWZ-NORM L	PWZ-NORM L
Coating / grade	WJ30TF	WJ30TF	WJ30TF	WJ30TF	WJ30TF
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA DIN 6535 HB
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●	●	●
<b>K</b> Cast iron	●	●	●	●	●
<b>N</b> NF metals	●	●	●	●	●
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials					
<b>O</b> Other					

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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

MC504

MC503

MC502

MC501

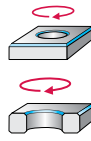
MC500

**WALTER SELECT**

●● Primary application ● Other application

D1

## Profiling cutters



Designation	Protostar®
Diameter range	—
Number of teeth	
Corner radius	
Diameter range	0,250–0,500
Number of teeth	4–6
Corner radius	
Standard	STANDARD
Coating / grade	WJ30TF
Shank	DIN 6535 HA DIN 6535 HB
<b>P</b> Steel	●●
<b>M</b> Stainless steel	●
<b>K</b> Cast iron	●
<b>N</b> NF metals	●
<b>S</b> Materials with difficult cutting properties	●
<b>H</b> Hard materials	
<b>O</b> Other	

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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

protostar

**WALTER SELECT**

●● Primary application ● Other application



# Circle segment milling cutters



Designation	MD839 Supreme	MD838 Supreme	MD839 Supreme	MD838 Supreme
Diameter range	6–16	6–16	6–16	6–16
Number of teeth	4	4–8	4	4–8
Corner radius	1–4	0,5–4	1–4	0,5–4
Diameter range	—	—	—	—
Number of teeth	—	—	—	—
Corner radius	—	—	—	—
Standard	PWZ-NORM	PWZ-NORM	PWZ-NORM	PWZ-NORM
Coating / grade	WJ30RD	WJ30RD	WJ30RD	WJ30RA
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
<b>P</b> Steel	●●	●●		
<b>M</b> Stainless steel			●●	●●
<b>K</b> Cast iron	●	●		
<b>N</b> NF metals			●	●
<b>S</b> Materials with difficult cutting properties			●●	●●
<b>H</b> Hard materials				
<b>O</b> Other				

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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

MD839

MD838

MD839

MD838

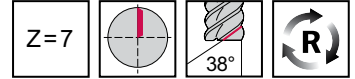
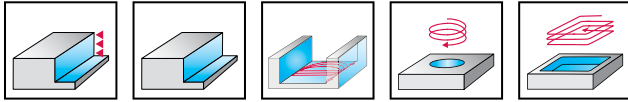
**WALTER SELECT**

●● Primary application ● Other application

D1

# Solid carbide shoulder milling cutters

MD177 Supreme



	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Tool	Designation	D <sub>c</sub> h9 mm	R mm	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30EN
<p>Cylindrical shank</p>	MD177-06.0A7B030-	6	0,3	13	57	21	6	7	☺
	MD177-08.0A7B040-	8	0,4	19	63	27	8	7	☺
	MD177-10.0A7B050-	10	0,5	22	72	32	10	7	☺
	MD177-12.0A7B060-	12	0,6	26	83	38	12	7	☺
	MD177-16.0A7B080-	16	0,8	32	92	44	16	7	☺
	MD177-20.0A7B100-	20	1	38	104	54	20	7	☺
	MD177-25.0A7B125-	25	1,25	45	121	65	25	7	☺

Shoulder milling  $a_e \leq 0,10 \times D_c$  for ISO-P | Shoulder milling  $a_e \leq 0,05 \times D_c$  for ISO M and ISO S | Ordering example for the grade WJ30EN: MD177-06.0A7B030-WJ30EN

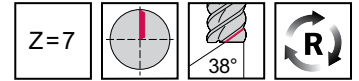
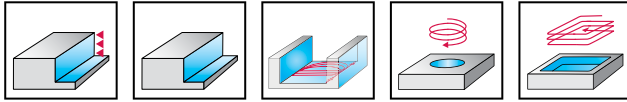
D1

**WALTER SELECT** ●● Primary application   ● Other application

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

# Solid carbide shoulder milling cutters

MD177 Supreme



	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Tool	Designation	D <sub>c</sub> h9 mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30EN
<p>DIN 6535 HA</p>	★ MD177-06.0A7L030D-	6	0,3	18	63	27	6	7	☹
	★ MD177-08.0A7L040D-	8	0,4	24	80	44	8	7	☹
	★ MD177-10.0A7L050D-	10	0,5	30	100	60	10	7	☹
	★ MD177-12.0A7L060D-	12	0,6	36	100	55	12	7	☹
	★ MD177-16.0A7L080D-	16	0,8	48	115	67	16	7	☹
	★ MD177-20.0A7L100D-	20	1	60	126	76	20	7	☹

Ordering example for the grade WJ30EN: MD177-06.0A7L030D-WJ30EN

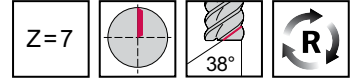
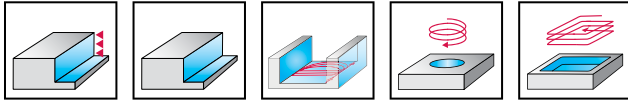
D1

**WALTER  
SELECT**

●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

# Solid carbide shoulder milling cutters

MD177 Supreme



	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Tool	Designation	D <sub>c</sub> h10 mm	R mm	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30EN
<p>Cylindrical shank</p>	MD177-06.0A7L030K-	6	0,3	25	65	29	6	7	☺
	MD177-08.0A7L040K-	8	0,4	34	80	44	8	7	☺
	MD177-10.0A7L050K-	10	0,5	42	90	50	10	7	☺
	MD177-12.0A7L060K-	12	0,6	50	100	55	12	7	☺
	MD177-16.0A7L080K-	16	0,8	66	125	77	16	7	☺
	MD177-20.0A7L100K-	20	1	83	145	95	20	7	☺
	MD177-25.0A7L125K-	25	1,25	100	163	107	25	7	☺

Shoulder milling  $a_e \leq 0,05 \times D_c$  for ISO-P | Shoulder milling  $a_e \leq 0,03 \times D_c$  for ISO-M and ISO-S | Ordering example for the grade WJ30EN: MD177-06.0A7L030K-WJ30EN

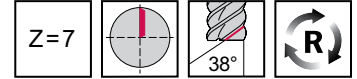
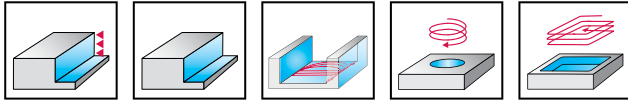
D1

**WALTER  
SELECT**

●● Primary application ● Other application  
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

# Solid carbide shoulder milling cutters

MD177 Supreme



	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Tool		D <sub>c</sub> h9 mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30EN
<p>DIN 6535 HA</p>	★ MD177-08.0A7X040L-	8	0,4	40	100	64	8	7	☹
	★ MD177-10.0A7X050L-	10	0,5	50	120	80	10	7	☹
	★ MD177-12.0A7X060L-	12	0,6	60	120	75	12	7	☹
	★ MD177-16.0A7X080L-	16	0,8	80	150	102	16	7	☹
	★ MD177-20.0A7X100L-	20	1	100	170	120	20	7	☹

Ordering example for the grade WJ30EN: MD177-08.0A7X040L-WJ30EN

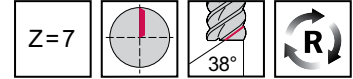
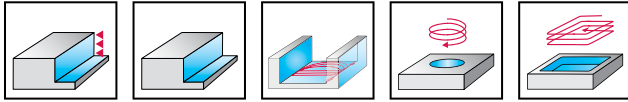
D1

**WALTER  
SELECT**

●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

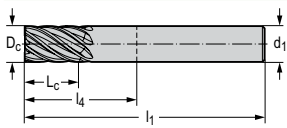
# Solid carbide shoulder milling cutters

MD177 Supreme inch



	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

## Tool



Cylindrical shank

Designation	D <sub>c</sub>	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30EN
MD177.4.76A7LK-	3/16"	0,1875	0,750	2,500	1,083	0,187	7	☹
MD177.6.35A7D-	1/4"	0,2500	0,500	2,500	1,083	0,250	7	☹
MD177.6.35A7DJ-	1/4"	0,2500	0,750	2,500	1,083	0,250	7	☹
MD177.6.35A7XL-	1/4"	0,2500	1,250	3,000	1,583	0,250	7	☹
MD177.9.53A7S-	3/8"	0,3750	0,500	2,000	0,500	0,375	7	☹
MD177.9.53A7D-	3/8"	0,3750	1,000	2,500	1,000	0,375	7	☹
MD177.9.53A7LJ-	3/8"	0,3750	1,250	3,000	1,437	0,375	7	☹
MD177.12.7A7S-	1/2"	0,5000	0,625	2,500	0,717	0,500	7	☹
MD177.12.7A7D-	1/2"	0,5000	1,000	3,000	1,217	0,500	7	☹
MD177.12.7A7DI-	1/2"	0,5000	1,250	3,000	1,250	0,500	7	☹
MD177.12.7A7LK-	1/2"	0,5000	2,125	4,000	2,217	0,500	7	☹
MD177.15.9A7S-	5/8"	0,6250	0,750	3,000	1,094	0,625	7	☹
MD177.15.9A7D-	5/8"	0,6250	1,250	3,500	1,594	0,625	7	☹
MD177.15.9A7DI-	5/8"	0,6250	1,625	3,500	1,625	0,625	7	☹
MD177.15.9A7LJ-	5/8"	0,6250	2,125	4,000	2,125	0,625	7	☹
MD177.19.1A7S-	3/4"	0,7500	1,000	3,000	1,000	0,750	7	☹
MD177.19.1A7D-	3/4"	0,7500	1,625	4,000	1,969	0,750	7	☹
MD177.19.1A7LJ-	3/4"	0,7500	2,250	5,000	2,968	0,750	7	☹
MD177.19.1A7XK-	3/4"	0,7500	3,250	6,000	3,968	0,750	7	☹
MD177.25.4A7DI-	1"	1,0000	2,625	5,000	2,717	1,000	7	☹
MD177.25.4A7LJ-	1"	1,0000	3,250	6,000	3,717	1,000	7	☹

Shoulder milling  $a_e \leq 0,10 \times D_c$  for ISO-P | Shoulder milling  $a_e \leq 0,05 \times D_c$  for ISO M and ISO S | Ordering example for the grade WJ30EN: MD177.12.7A7D-WJ30EN

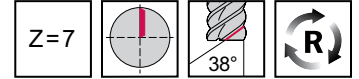
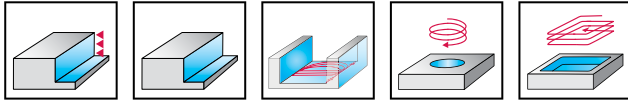
D1

**WALTER**  
**SELECT**

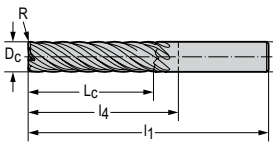
●● Primary application ● Other application  
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions

# Solid carbide shoulder milling cutters

## MD177 Supreme inch



WJ30EN	P	M	K	N	S	H	O
	●	●	●	●	●●	●	●

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> inch	R	R inch	L <sub>c</sub>	L <sub>c</sub> inch	l <sub>1</sub>	l <sub>1</sub> inch	l <sub>4</sub>	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30EN
	MD177.4.76A7L038K-	3/16"	0,1875	0,015	0,015	0,750	0,750	2,500	2,500	1,083	1,083	0,187	7	☺
	MD177.6.35A7D038-	1/4"	0,2500	0,015	0,015	0,500	0,500	2,500	2,500	1,083	1,083	0,250	7	☺
	MD177.6.35A7D076-	1/4"	0,2500	0,030	0,030	0,500	0,500	2,500	2,500	1,083	1,083	0,250	7	☺
	MD177.6.35A7D076J-	1/4"	0,2500	0,030	0,030	0,750	0,750	2,500	2,500	1,083	1,083	0,250	7	☺
	MD177.6.35A7X038L-	1/4"	0,2500	0,015	0,015	1,250	1,250	3,000	3,000	1,583	1,583	0,250	7	☺
	MD177.6.35A7X076L-	1/4"	0,2500	0,030	0,030	1,250	1,250	3,000	3,000	1,583	1,583	0,250	7	☺
	MD177.9.53A7S038-	3/8"	0,3750	0,015	0,015	0,500	0,500	2,000	2,000	0,500	0,500	0,375	7	☺
	MD177.9.53A7S076-	3/8"	0,3750	0,030	0,030	0,500	0,500	2,000	2,000	0,500	0,500	0,375	7	☺
	MD177.9.53A7S152-	3/8"	0,3750	0,060	0,060	0,500	0,500	2,000	2,000	0,500	0,500	0,375	7	☺
	MD177.9.53A7D038-	3/8"	0,3750	0,015	0,015	1,000	1,000	2,500	2,500	1,000	1,000	0,375	7	☺
	MD177.9.53A7D076-	3/8"	0,3750	0,030	0,030	1,000	1,000	2,500	2,500	1,000	1,000	0,375	7	☺
	MD177.9.53A7D152-	3/8"	0,3750	0,060	0,060	1,000	1,000	2,500	2,500	1,000	1,000	0,375	7	☺
	MD177.9.53A7L038J-	3/8"	0,3750	0,015	0,015	1,250	1,250	3,000	3,000	1,437	1,437	0,375	7	☺
	MD177.9.53A7L076J-	3/8"	0,3750	0,030	0,030	1,250	1,250	3,000	3,000	1,437	1,437	0,375	7	☺
	MD177.9.53A7L152J-	3/8"	0,3750	0,060	0,060	1,250	1,250	3,000	3,000	1,437	1,437	0,375	7	☺
	MD177.12.7A7S038-	1/2"	0,5000	0,015	0,015	0,625	0,625	2,500	2,500	0,717	0,717	0,500	7	☺
	MD177.12.7A7S076-	1/2"	0,5000	0,030	0,030	0,625	0,625	2,500	2,500	0,717	0,717	0,500	7	☺
	MD177.12.7A7S152-	1/2"	0,5000	0,060	0,060	0,625	0,625	2,500	2,500	0,717	0,717	0,500	7	☺
	MD177.12.7A7D038-	1/2"	0,5000	0,015	0,015	1,000	1,000	3,000	3,000	1,217	1,217	0,500	7	☺
	MD177.12.7A7D076-	1/2"	0,5000	0,030	0,030	1,000	1,000	3,000	3,000	1,217	1,217	0,500	7	☺
	MD177.12.7A7D152-	1/2"	0,5000	0,060	0,060	1,000	1,000	3,000	3,000	1,217	1,217	0,500	7	☺
	MD177.12.7A7Dl038-	1/2"	0,5000	0,015	0,015	1,250	1,250	3,000	3,000	1,250	1,250	0,500	7	☺
	MD177.12.7A7D076l-	1/2"	0,5000	0,030	0,030	1,250	1,250	3,000	3,000	1,250	1,250	0,500	7	☺
	MD177.12.7A7D152l-	1/2"	0,5000	0,060	0,060	1,250	1,250	3,000	3,000	1,250	1,250	0,500	7	☺
	MD177.12.7A7L038K-	1/2"	0,5000	0,015	0,015	2,125	2,125	4,000	4,000	2,217	2,217	0,500	7	☺
	MD177.12.7A7L076K-	1/2"	0,5000	0,030	0,030	2,125	2,125	4,000	4,000	2,217	2,217	0,500	7	☺
	MD177.12.7A7L152K-	1/2"	0,5000	0,060	0,060	2,125	2,125	4,000	4,000	2,217	2,217	0,500	7	☺
	MD177.15.9A7S038-	5/8"	0,6250	0,030	0,030	0,750	0,750	3,000	3,000	1,094	1,094	0,625	7	☺
	MD177.15.9A7S076-	5/8"	0,6250	0,060	0,060	0,750	0,750	3,000	3,000	1,094	1,094	0,625	7	☺
	MD177.15.9A7D038-	5/8"	0,6250	0,030	0,030	1,250	1,250	3,500	3,500	1,594	1,594	0,625	7	☺
	MD177.15.9A7D076-	5/8"	0,6250	0,060	0,060	1,250	1,250	3,500	3,500	1,594	1,594	0,625	7	☺
	MD177.15.9A7D038l-	5/8"	0,6250	0,015	0,015	1,625	1,625	3,500	3,500	1,625	1,625	0,625	7	☺
	MD177.15.9A7D076l-	5/8"	0,6250	0,030	0,030	1,625	1,625	3,500	3,500	1,625	1,625	0,625	7	☺
	MD177.15.9A7D152l-	5/8"	0,6250	0,060	0,060	1,625	1,625	3,500	3,500	1,625	1,625	0,625	7	☺

Shoulder milling  $a_e \leq 0,10 \times D_c$  for ISO-P | Shoulder milling  $a_e \leq 0,05 \times D_c$  for ISO M and ISO S | Ordering example for the grade WJ30EN: MD177.12.7A7D038-WJ30EN

**WALTER SELECT** ●● Primary application ● Other application

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

D1

Tool		Designation	D <sub>c</sub>	D <sub>c</sub> inch	R inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30EN
<p>Cylindrical shank</p>		MD177.15.9A7L038J-	5/8"	0,6250	0,015	2,125	4,000	2,125	0,625	7	☺
		MD177.15.9A7L076J-	5/8"	0,6250	0,030	2,125	4,000	2,125	0,625	7	☺
		MD177.15.9A7L152J-	5/8"	0,6250	0,060	2,125	4,000	2,125	0,625	7	☺
		MD177.19.1A7S076-	3/4"	0,7500	0,030	1,000	3,000	1,000	0,750	7	☺
		MD177.19.1A7S152-	3/4"	0,7500	0,060	1,000	3,000	1,000	0,750	7	☺
		MD177.19.1A7S305-	3/4"	0,7500	0,120	1,000	3,000	1,000	0,750	7	☺
		MD177.19.1A7D038-	3/4"	0,7500	0,015	1,625	4,000	1,969	0,750	7	☺
		MD177.19.1A7D076-	3/4"	0,7500	0,030	1,625	4,000	1,969	0,750	7	☺
		MD177.19.1A7D152-	3/4"	0,7500	0,060	1,625	4,000	1,969	0,750	7	☺
		MD177.19.1A7D305-	3/4"	0,7500	0,120	1,625	4,000	1,969	0,750	7	☺
		MD177.19.1A7L076J-	3/4"	0,7500	0,030	2,250	5,000	2,968	0,750	7	☺
		MD177.19.1A7L152J-	3/4"	0,7500	0,060	2,250	5,000	2,968	0,750	7	☺
		MD177.19.1A7L305J-	3/4"	0,7500	0,120	2,250	5,000	2,968	0,750	7	☺
		MD177.19.1A7X076K-	3/4"	0,7500	0,030	3,250	6,000	3,968	0,750	7	☺
		MD177.19.1A7X152K-	3/4"	0,7500	0,060	3,250	6,000	3,968	0,750	7	☺
		MD177.25.4A7D076I-	1"	1,0000	0,030	2,625	5,000	2,717	1,000	7	☺
		MD177.25.4A7D152I-	1"	1,0000	0,060	2,625	5,000	2,717	1,000	7	☺
		MD177.25.4A7D305I-	1"	1,0000	0,120	2,625	5,000	2,717	1,000	7	☺
		MD177.25.4A7L038J-	1"	1,0000	0,015	3,250	6,000	3,717	1,000	7	☺
		MD177.25.4A7L076J-	1"	1,0000	0,030	3,250	6,000	3,717	1,000	7	☺
	MD177.25.4A7L152J-	1"	1,0000	0,060	3,250	6,000	3,717	1,000	7	☺	
	MD177.25.4A7L305J-	1"	1,0000	0,120	3,250	6,000	3,717	1,000	7	☺	

Shoulder milling  $a_e \leq 0,10 \times D_c$  for ISO-P | Shoulder milling  $a_e \leq 0,05 \times D_c$  for ISO M and ISO S | Ordering example for the grade WJ30EN: MD177.12.7A7D038-WJ30EN

D1

 WALTER  
SELECT

●● Primary application    ● Other application  
 Best tool for → Good = ☺    → Average = ☹    → Poor = ☹☹    machining conditions

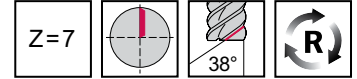
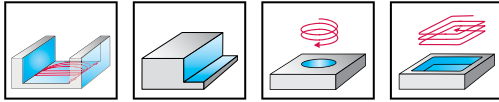


# Solid carbide shoulder milling cutters

MD173 Supreme



- Chip breaker



	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Tool	Designation	D <sub>c</sub> h9 mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30EN
<p>DIN 6535 HB</p>	★ MD173-06.0W7B030-	6	0,3	13	58	22	6	7	☹
	★ MD173-08.0W7B040-	8	0,4	19	63	27	8	7	☹
	★ MD173-10.0W7B050-	10	0,5	22	73	33	10	7	☹
	★ MD173-12.0W7B060-	12	0,6	26	84	39	12	7	☹
	★ MD173-16.0W7B080-	16	0,8	32	93	45	16	7	☹
	★ MD173-20.0W7B100-	20	1	41	105	55	20	7	☹

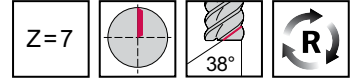
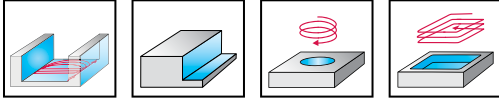
Ordering example for the grade WJ30EN: MD173-06.0W7B030-WJ30EN

# Solid carbide shoulder milling cutters

MD173 Supreme



- Chip breaker



	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Tool	Designation	D <sub>c</sub> h9 mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30EN
 DIN 6535 HB	★ MD173-06.0W7L030D-	6	0,3	18	63	27	6	7	☹
	★ MD173-08.0W7L040D-	8	0,4	24	80	44	8	7	☹
	★ MD173-10.0W7L050D-	10	0,5	30	100	60	10	7	☹
	★ MD173-12.0WL060D-	12	0,6	36	100	55	12	7	☹
	★ MD173-16.0W7L080D-	16	0,8	48	115	67	16	7	☹
	★ MD173-20.0W7L100D-	20	1	60	126	76	20	7	☹

Ordering example for the grade WJ30EN: MD173-06.0W7L030D-WJ30EN

D1

**WALTER SELECT** ●● Primary application ● Other application

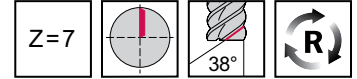
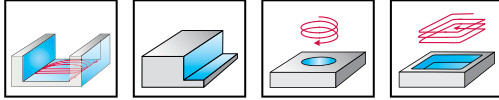
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

# Solid carbide shoulder milling cutters

MD173 Supreme



- Chip breaker



	P	M	K	N	S	H	O
WJ30EN	●	●					

Tool	Designation	D <sub>c</sub> h9 mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30EN
<p>DIN 6535 HB</p>	★ MD173-06.0W7L030K-	6	0,3	25	63	27	6	7	☹
	★ MD173-08.0W7L040K-	8	0,4	34	80	44	8	7	☹
	★ MD173-10.0W7L050K-	10	0,5	42	90	50	10	7	☹
	★ MD173-12.0W7L060K-	12	0,6	50	100	55	12	7	☹
	★ MD173-16.0W7L080K-	16	0,8	66	127	79	16	7	☹
	★ MD173-20.0W7L100K-	20	1	83	150	100	20	7	☹

Ordering example for the grade WJ30EN: MD173-06.0W7L030K-WJ30EN

D1

**WALTER  
SELECT**

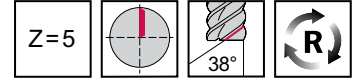
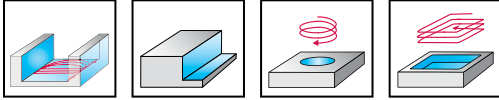
●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

# Solid carbide shoulder milling cutters

MD173 Supreme



- Chip breaker



	P	M	K	N	S	H	O
WJ30EN	●	●					

Tool	Designation	D <sub>c</sub> h9 mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30EN
 DIN 6535 HB	★ MD173-08.0W7X040L-	8	0,4	40	100	64	8	7	☹
	★ MD173-10.0W7X050L-	10	0,5	50	120	80	10	7	☹
	★ MD173-12.0W7X060L-	12	0,6	60	120	75	12	7	☹
	★ MD173-16.0W7X080L-	16	0,8	80	150	102	16	7	☹
	★ MD173-20.0W7X100L-	20	1	100	170	120	20	7	☹

Ordering example for the grade WJ30EN: MD173-08.0W7X040L-WJ30EN

D1

**WALTER SELECT** ●● Primary application ● Other application

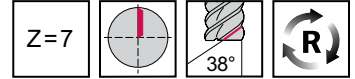
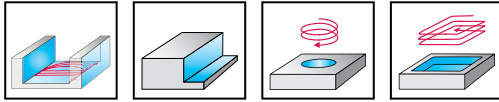
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

# Solid carbide shoulder milling cutters

MD173 Supreme inch



– Chip breaker



	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Tool		Designation	D <sub>c</sub>	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30EN
		MD173.15.9A7DI-	5/8"	0,6250	1,625	3,500	1,625	0,625	7	☺
		MD173.15.9A7LJ-	5/8"	0,6250	2,125	4,000	2,125	0,625	7	☺
		MD173.19.1A7XK-	3/4"	0,7500	3,250	6,000	3,968	0,750	7	☺
		MD173.25.4A7LJ-	1"	1,0000	3,250	6,000	3,717	1,000	7	☺

Cylindrical shank

Shoulder milling  $a_e \leq 0,10 \times D_c$  for ISO-P | Shoulder milling  $a_e \leq 0,05 \times D_c$  for ISO M and ISO S | Ordering example for the grade WJ30EN: MD173.15.9A7DI-WJ30EN

D1

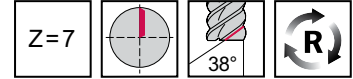
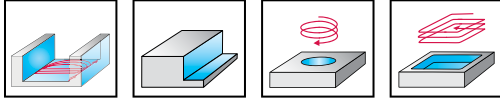
<b>WALTER SELECT</b>		●● Primary application   ● Other application	
	Best tool for → Good = ☺   → Average = ☹   → Poor = ☹☹		machining conditions

# Solid carbide shoulder milling cutters

## MD173 Supreme inch

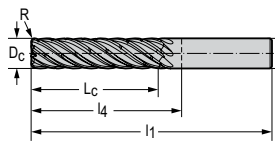


- Chip breaker



	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

### Tool



Cylindrical shank

Designation	D <sub>c</sub>	D <sub>c</sub> inch	R inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30EN
MD173.6.35A7X038L-	1/4"	0,2500	0,015	1,250	3,000	1,583	0,250	7	☺
MD173.9.53A7L038J-	3/8"	0,3750	0,015	1,250	3,000	1,437	0,375	7	☺
MD173.9.53A7L076J-	3/8"	0,3750	0,030	1,250	3,000	1,437	0,375	7	☺
MD173.9.53A7L152J-	3/8"	0,3750	0,060	1,250	3,000	1,437	0,375	7	☺
MD173.12.7A7D038I-	1/2"	0,5000	0,015	1,250	3,000	1,250	0,500	7	☺
MD173.12.7A7D076I-	1/2"	0,5000	0,030	1,250	3,000	1,250	0,500	7	☺
MD173.12.7A7D152I-	1/2"	0,5000	0,060	1,250	3,000	1,250	0,500	7	☺
MD173.12.7A7L076K-	1/2"	0,5000	0,030	2,125	4,000	2,217	0,500	7	☺
MD173.12.7A7L152K-	1/2"	0,5000	0,060	2,125	4,000	2,217	0,500	7	☺
MD173.15.9A7D038I-	5/8"	0,6250	0,015	1,625	3,500	1,625	0,625	7	☺
MD173.15.9A7D076I-	5/8"	0,6250	0,030	1,625	3,500	1,625	0,625	7	☺
MD173.15.9A7L038J-	5/8"	0,6250	0,015	2,125	4,000	2,125	0,625	7	☺
MD173.15.9A7L076J-	5/8"	0,6250	0,030	2,125	4,000	2,125	0,625	7	☺
MD173.15.9A7L152J-	5/8"	0,6250	0,060	2,125	4,000	2,125	0,625	7	☺
MD173.19.1A7D076-	3/4"	0,7500	0,030	1,625	4,000	1,969	0,750	7	☺
MD173.19.1A7D152-	3/4"	0,7500	0,060	1,625	4,000	1,969	0,750	7	☺
MD173.19.1A7D305-	3/4"	0,7500	0,120	1,625	4,000	1,969	0,750	7	☺
MD173.19.1A7L076J-	3/4"	0,7500	0,030	2,250	5,000	2,968	0,750	7	☺
MD173.19.1A7L152J-	3/4"	0,7500	0,060	2,250	5,000	2,968	0,750	7	☺
MD173.19.1A7L305J-	3/4"	0,7500	0,120	2,250	5,000	2,968	0,750	7	☺
MD173.19.1A7X076K-	3/4"	0,7500	0,030	3,250	6,000	3,968	0,750	7	☺
MD173.19.1A7X152K-	3/4"	0,7500	0,060	3,250	6,000	3,968	0,750	7	☺
MD173.19.1A7X305K-	3/4"	0,7500	0,120	3,250	6,000	3,968	0,750	7	☺
MD173.25.4A7D038I-	1"	1,0000	0,015	2,625	5,000	2,717	1,000	7	☺
MD173.25.4A7D152I-	1"	1,0000	0,060	2,625	5,000	2,717	1,000	7	☺
MD173.25.4A7D305I-	1"	1,0000	0,120	2,625	5,000	2,717	1,000	7	☺

Shoulder milling  $a_e \leq 0,10 \times D_c$  for ISO-P | Shoulder milling  $a_e \leq 0,05 \times D_c$  for ISO M and ISO S | Ordering example for the grade WJ30EN: MD173.12.7A7D038I-WJ30EN

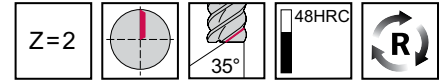
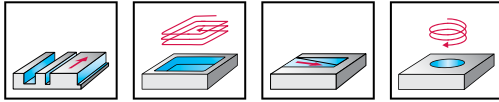
D1

**WALTER  
SELECT**

●● Primary application ● Other application  
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions

# Solid carbide shoulder/slot milling cutters

ME232 Perform



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> h12 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HA</p>	★ ME232-02.0A2L-	2	6	57	29	4	2	☹
	★ ME232-02.5A2L-	2,5	7	57	29	4	2	☹
	★ ME232-03.0A2L-	3	7	57	29	4	2	☹
	★ ME232-03.5A2L-	3,5	7	57	29	4	2	☹
	★ ME232-04.0A2L-	4	8	57	29	4	2	☹

Bestellbeispiel für die Sorte WJ30ED: ME232-02.0A2L-WJ30ED

	Bezeichnung	D <sub>c</sub> h12 mm	l <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HB</p>	★ ME232-05.0W2B-	5		10	57	21	6	2	☹
	★ ME232-06.0W2B-	6		10	57	21	6	2	☹
	★ ME232-08.0W2B-	8		16	63	27	8	2	☹
	★ ME232-10.0W2B-	10	0,1	19	72	32	10	2	☹
	★ ME232-12.0W2B-	12	0,1	22	83	38	12	2	☹
	★ ME232-16.0W2B-	16	0,15	26	92	44	16	2	☹
	★ ME232-20.0W2B-	20	0,15	32	104	54	20	2	☹

Ordering example for the grade WJ30ED: ME232-02.0A2L-WJ30ED

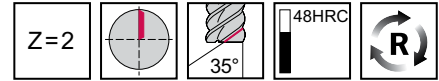
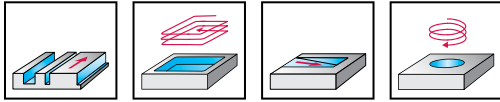
**WALTER SELECT**

●● Primary application   ● Other application

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

# Solid carbide shoulder/slot milling cutters

ME232 Perform inch



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●	●	●

## Tool

	Designation	D <sub>c</sub>	D <sub>c</sub> h12 inch	l <sub>11</sub> inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30ED
	★ ME232.3.18A2D-	1/8"	0,1250		0,500	2,500	1,083	0,250	2	☹☹
	★ ME232.6.35A2D-	1/4"	0,2500		0,750	2,500	1,083	0,250	2	☹☹
Cylindrical shank										
	★ ME232.9.53W2D-	3/8"	0,3750	0,004	0,875	3,000	1,437	0,375	2	☹☹
	★ ME232.12.7W2D-	1/2"	0,5000	0,006	1,000	3,500	1,717	0,500	2	☹☹
	★ ME232.15.9W2D-	5/8"	0,6250	0,006	1,250	3,500	1,594	0,625	2	☹☹
	★ ME232.19.1W2D-	3/4"	0,7500	0,006	1,500	4,000	1,969	0,750	2	☹☹
DIN 6535 HB										

Ordering example for the grade WJ30ED: ME232.3.18A2D-WJ30ED

D1

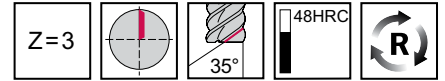
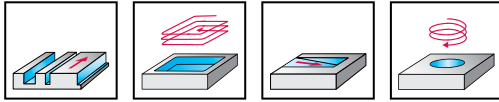
**WALTER**  
**SELECT**

●● Primary application ● Other application  
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions



# Solid carbide shoulder/slot milling cutters

ME232 Perform



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> h12 mm	l <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HA</p>	★ ME232-03.0A3S-	3		4	39	11	6	3	☹
	★ ME232-04.0A3S-	4		5	39	12	6	3	☹
	★ ME232-05.0A3S-	5		6	39	13	6	3	☹
	★ ME232-06.0A3S-	6		7	39	10	6	3	☹
	★ ME232-08.0A3S-	8		9	44	12	8	3	☹
	★ ME232-10.0A3S-	10	0,1	11	51	14	10	3	☹
	★ ME232-12.0A3S-	12	0,1	13	56	16	12	3	☹
	★ ME232-16.0A3S-	16	0,15	16	63	19	16	3	☹

Ordering example for the grade WJ30ED: ME232-03.0A3S-WJ30ED

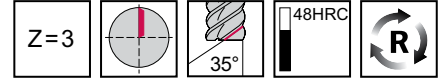
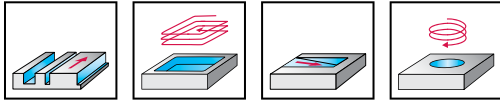
**WALTER  
SELECT**

●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

D1

# Solid carbide shoulder/slot milling cutters

ME232 Perform



	P	M	K	N	S	H	0
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> h12 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
 DIN 6535 HA	★ ME232-02.0A3L-	2	6	57	29	4	3	☹☹
	★ ME232-02.5A3L-	2,5	7	57	29	4	3	☹☹
	★ ME232-03.0A3L-	3	7	57	29	4	3	☹☹
	★ ME232-03.5A3L-	3,5	7	57	29	4	3	☹☹
	★ ME232-04.0A3L-	4	8	57	29	4	3	☹☹

Bestellbeispiel für die Sorte WJ30ED: ME232-02.0A3L-WJ30ED

	Bezeichnung	D <sub>c</sub> h12 mm	h <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
 DIN 6535 HB	★ ME232-05.0W3B-	5		10	57	21	6	3	☹☹
	★ ME232-06.0W3B-	6		10	57	21	6	3	☹☹
	★ ME232-08.0W3B-	8		16	63	27	8	3	☹☹
	★ ME232-10.0W3B-	10	0,1	19	72	32	10	3	☹☹
	★ ME232-12.0W3B-	12	0,1	22	83	38	12	3	☹☹
	★ ME232-16.0W3B-	16	0,15	26	92	44	16	3	☹☹
	★ ME232-20.0W3B-	20	0,15	32	104	54	20	3	☹☹

Ordering example for the grade WJ30ED: ME232-02.0A3L-WJ30ED

D1

**WALTER SELECT**

●● Primary application   ● Other application

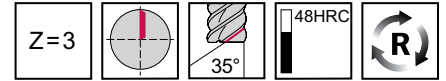
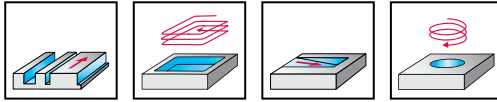
Best tool for → Good = 😊   → Average = 😐   → Poor = ☹ machining conditions

# Solid carbide shoulder/slot milling cutters

ME232 Perform



- Long reach



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool		D <sub>c</sub> h12 mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
	Designation									
	★ ME232-02.0A3LC-	2	6	11	1,9	57	29	4	3	☹
	★ ME232-02.5A3LC-	2,5	7	12	2,4	57	29	4	3	☹
	★ ME232-03.0A3LC-	3	7	12	2,9	57	29	4	3	☹
	★ ME232-03.5A3LC-	3,5	7	15	3,3	57	29	4	3	☹
★ ME232-04.0A3LC-	4	8	15	3,8	57	29	4	3	☹	

DIN 6535 HA

Bestellbeispiel für die Sorte WJ30ED: ME232-02.0A3LC-WJ30ED

		D <sub>c</sub> h12 mm	l <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
	Bezeichnung										
	★ ME232-05.0W3BC-	5		10	18	4,8	57	21	6	3	☹
	★ ME232-06.0W3BC-	6		10	19	5,7	57	21	6	3	☹
	★ ME232-08.0W3BC-	8		16	25	7,6	63	27	8	3	☹
	★ ME232-10.0W3BC-	10	0,1	19	30	9,5	72	32	10	3	☹
	★ ME232-12.0W3BC-	12	0,1	22	36	11,4	83	38	12	3	☹
	★ ME232-16.0W3BC-	16	0,15	26	42	15,2	92	44	16	3	☹
★ ME232-20.0W3BC-	20	0,15	32	52	19	104	54	20	3	☹	

DIN 6535 HB

Ordering example for the grade WJ30ED: ME232-02.0A3LC-WJ30ED

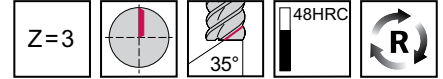
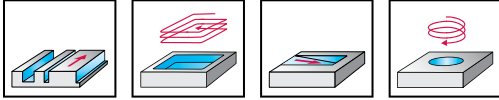
**WALTER SELECT**

●● Primary application ● Other application

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

## Solid carbide shoulder/slot milling cutters

ME232 Perform inch



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

### Tool

	Designation	D <sub>c</sub>	D <sub>c</sub> h12 inch	l <sub>11</sub> inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30ED
	★ ME232.3.18A3D-	1/8"	0,1250		0,500	2,500	1,083	0,250	3	☹☹
	★ ME232.6.35A3D-	1/4"	0,2500		0,750	2,500	1,083	0,250	3	☹☹
Cylindrical shank										
	★ ME232.9.53W3D-	3/8"	0,3750	0,004	0,875	3,000	1,437	0,375	3	☹☹
	★ ME232.12.7W3D-	1/2"	0,5000	0,006	1,000	3,500	1,717	0,500	3	☹☹
	★ ME232.15.9W3D-	5/8"	0,6250	0,006	1,250	3,500	1,594	0,625	3	☹☹
	★ ME232.19.1W3D-	3/4"	0,7500	0,006	1,500	4,000	1,969	0,750	3	☹☹
DIN 6535 HB										

Ordering example for the grade WJ30ED: ME232.3.18A3D-WJ30ED

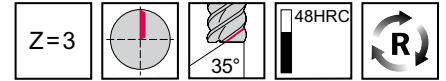
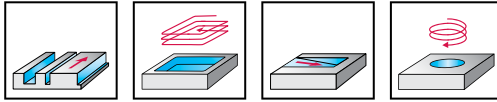
D1

**WALTER**  
**SELECT**

●● Primary application ● Other application  
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions

# Solid carbide shoulder/slot milling cutters

ME232 Perform inch



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> h12 inch	R inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30ED
	★ ME232.3.18A3D038-	1/8"	0,1250	0,015	0,500	2,500	1,083	0,250	3	☹
	★ ME232.6.35A3D038-	1/4"	0,2500	0,015	0,750	2,500	1,083	0,250	3	☹
	★ ME232.6.35A3D076-	1/4"	0,2500	0,030	0,750	2,500	1,083	0,250	3	☹
Cylindrical shank										
	★ ME232.9.53W3D038-	3/8"	0,3750	0,015	0,875	3,000	1,437	0,375	3	☹
	★ ME232.9.53W3D076-	3/8"	0,3750	0,030	0,875	3,000	1,437	0,375	3	☹
	★ ME232.12.7W3D038-	1/2"	0,5000	0,015	1,000	3,500	1,717	0,500	3	☹
	★ ME232.12.7W3D076-	1/2"	0,5000	0,030	1,000	3,500	1,717	0,500	3	☹
DIN 6535 HB										
	★ ME232.12.7W3D152-	1/2"	0,5000	0,060	1,000	3,500	1,717	0,500	3	☹
	★ ME232.15.9W3D318-	5/8"	0,6250	0,125	1,250	3,500	1,594	0,625	3	☹
	★ ME232.19.1W3D076-	3/4"	0,7500	0,030	1,500	4,000	1,969	0,750	3	☹
	★ ME232.19.1W3D152-	3/4"	0,7500	0,060	1,500	4,000	1,969	0,750	3	☹

Ordering example for the grade WJ30ED: ME232.3.18A3D038-WJ30ED

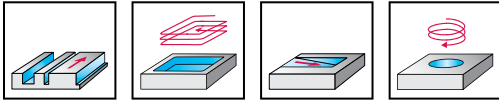
**WALTER SELECT**

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

●● Primary application ● Other application

# Solid carbide shoulder/slot milling cutters

ME232 Perform



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> h12 mm	h <sub>11</sub> mm	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HA</p>	★ ME232-03.0A4S-	3		4	39	11	6	4	☹
	★ ME232-04.0A4S-	4		6	39	12	6	4	☹
	★ ME232-05.0A4S-	5		7	39	13	6	4	☹
	★ ME232-06.0A4S-	6		9	39	12	6	4	☹
	★ ME232-08.0A4S-	8		11	44	14	8	4	☹
	★ ME232-10.0A4S-	10	0,1	13	51	16	10	4	☹
	★ ME232-12.0A4S-	12	0,1	13	56	16	12	4	☹
	★ ME232-16.0A4S-	16	0,15	16	63	19	16	4	☹

Ordering example for the grade WJ30ED: ME232-03.0A4S-WJ30ED

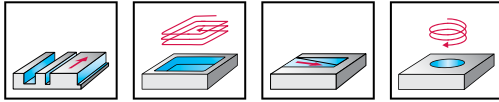
D1

**WALTER SELECT** ●● Primary application   ● Other application

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

# Solid carbide shoulder/slot milling cutters

ME232 Perform



	P	M	K	N	S	H	0
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> h12 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HA</p>	★ ME232-02.0A4L-	2	7	57	29	4	4	☹
	★ ME232-02.5A4L-	2,5	8	57	29	4	4	☹
	★ ME232-03.0A4L-	3	8	57	29	4	4	☹
	★ ME232-03.5A4L-	3,5	10	57	29	4	4	☹
	★ ME232-04.0A4L-	4	11	57	29	4	4	☹

Bestellbeispiel für die Sorte WJ30ED: ME232-02.0A4L-WJ30ED

	Bezeichnung	D <sub>c</sub> h12 mm	l <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HB</p>	★ ME232-05.0W4B-	5		13	57	21	6	4	☹
	★ ME232-06.0W4B-	6		13	57	21	6	4	☹
	★ ME232-08.0W4B-	8		19	63	27	8	4	☹
	★ ME232-10.0W4B-	10	0,1	22	72	32	10	4	☹
	★ ME232-12.0W4B-	12	0,1	26	83	38	12	4	☹
	★ ME232-16.0W4B-	16	0,15	32	92	44	16	4	☹
	★ ME232-20.0W4B-	20	0,15	38	104	54	20	4	☹

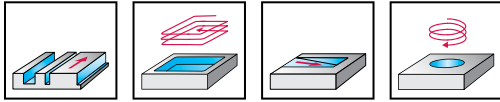
Ordering example for the grade WJ30ED: ME232-02.0A4L-WJ30ED

**WALTER  
SELECT**

●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

# Solid carbide shoulder/slot milling cutters

ME232 Perform inch



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> h12 inch	l <sub>11</sub> inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30ED
<p>Cylindrical shank</p>	★ ME232.3.18A4D-	1/8"	0,1250		0,500	2,500	1,083	0,250	4	☹☹
	★ ME232.6.35A4D-	1/4"	0,2500		0,750	2,500	1,083	0,250	4	☹☹
<p>DIN 6535 HB</p>	★ ME232.9.53W4D-	3/8"	0,3750	0,004	0,875	3,000	1,437	0,375	4	☹☹
	★ ME232.12.7W4D-	1/2"	0,5000	0,006	1,000	3,500	1,717	0,500	4	☹☹
	★ ME232.15.9W4D-	5/8"	0,6250	0,006	1,250	3,500	1,594	0,625	4	☹☹
	★ ME232.19.1W4D-	3/4"	0,7500	0,006	1,500	4,000	1,969	0,750	4	☹☹

Ordering example for the grade WJ30ED: ME232.3.18A4D-WJ30ED

D1

**WALTER**  
**SELECT**

●● Primary application ● Other application  
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions

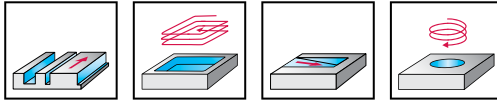


# Solid carbide shoulder/slot milling cutters

ME232 Perform



- Long reach



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> h12 mm	h <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
 DIN 6535 HA	★ ME232-02.0A4LC-	2		7	11	1,9	57	29	4	4	☹
	★ ME232-02.5A4LC-	2,5		8	12	2,4	57	29	4	4	☹
	★ ME232-03.0A4LC-	3		8	12	2,9	57	29	4	4	☹
	★ ME232-03.5A4LC-	3,5		10	15	3,3	57	29	4	4	☹
	★ ME232-04.0A4LC-	4		11	15	3,8	57	29	4	4	☹
 DIN 6535 HB	★ ME232-06.0W4LC-	6		13	27	5,7	65	29	6	4	☹
	★ ME232-08.0W4LC-	8		19	42	7,6	80	44	8	4	☹
	★ ME232-10.0W4LC-	10	0,1	22	58	9,5	100	60	10	4	☹
	★ ME232-12.0W4LC-	12	0,1	26	53	11,4	100	55	12	4	☹
	★ ME232-16.0W4LC-	16	0,15	32	65	15,2	115	67	16	4	☹
	★ ME232-20.0W4LC-	20	0,15	38	73	19	125	75	20	4	☹

Bestellbeispiel für die Sorte WJ30ED: ME232-02.0A4LC-WJ30ED

Tool	Bezeichnung	D <sub>c</sub> h12 mm	h <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
 DIN 6535 HB	★ ME232-05.0W4BC-	5		13	18	4,8	57	21	6	4	☹
	★ ME232-06.0W4BC-	6		13	19	5,7	57	21	6	4	☹
	★ ME232-08.0W4BC-	8		19	25	7,6	63	27	8	4	☹
	★ ME232-10.0W4BC-	10	0,1	22	30	9,5	72	32	10	4	☹
	★ ME232-12.0W4BC-	12	0,1	26	36	11,4	83	38	12	4	☹
	★ ME232-16.0W4BC-	16	0,15	32	42	15,2	92	44	16	4	☹
	★ ME232-20.0W4BC-	20	0,15	38	52	19	104	54	20	4	☹

Ordering example for the grade WJ30ED: ME232-02.0A4LC-WJ30ED

**WALTER SELECT**

●● Primary application   ● Other application

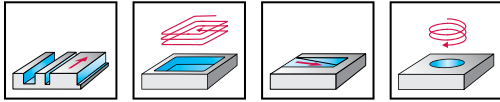
Best tool for → Good = 😊   → Average = 😐   → Poor = ☹ machining conditions

# Solid carbide shoulder/slot milling cutters

ME232 Perform



- Long reach



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> h12 mm	R mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
	★ ME232-02.0A4L020C-	2	0,2	7	11	1,9	57	29	4	4	☹☹
	★ ME232-03.0A4L030C-	3	0,3	8	12	2,9	57	29	4	4	☹☹
	★ ME232-04.0A4L050C-	4	0,5	11	15	3,8	57	29	4	4	☹☹

DIN 6535 HA

Bestellbeispiel für die Sorte WJ30ED: ME232-02.0A4L020C-WJ30ED

	Bezeichnung	D <sub>c</sub> h12 mm	R mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
	★ ME232-05.0W4B050C-	5	0,5	13	18	4,8	57	21	6	4	☹☹
	★ ME232-06.0W4B050C-	6	0,5	13	19	5,7	57	21	6	4	☹☹
	★ ME232-06.0W4B080C-	6	0,8	13	19	5,7	57	21	6	4	☹☹
	★ ME232-06.0W4B100C-	6	1	13	19	5,7	57	21	6	4	☹☹
	★ ME232-08.0W4B050C-	8	0,5	19	25	7,6	63	27	8	4	☹☹
	★ ME232-08.0W4B080C-	8	0,8	19	25	7,6	63	27	8	4	☹☹
	★ ME232-08.0W4B100C-	8	1	19	25	7,6	63	27	8	4	☹☹
	★ ME232-08.0W4B200C-	8	2	19	25	7,6	63	27	8	4	☹☹
	★ ME232-10.0W4B050C-	10	0,5	22	30	9,5	72	32	10	4	☹☹
	★ ME232-10.0W4B080C-	10	0,8	22	30	9,5	72	32	10	4	☹☹
	★ ME232-10.0W4B100C-	10	1	22	30	9,5	72	32	10	4	☹☹
	★ ME232-10.0W4B200C-	10	2	22	30	9,5	72	32	10	4	☹☹
	★ ME232-12.0W4B050C-	12	0,5	26	36	11,4	83	38	12	4	☹☹
	★ ME232-12.0W4B080C-	12	0,8	26	36	11,4	83	38	12	4	☹☹
	★ ME232-12.0W4B100C-	12	1	26	36	11,4	83	38	12	4	☹☹
	★ ME232-12.0W4B200C-	12	2	26	36	11,4	83	38	12	4	☹☹
	★ ME232-12.0W4B300C-	12	3	26	36	11,4	83	38	12	4	☹☹
	★ ME232-16.0W4B050C-	16	0,5	32	42	15,2	92	44	16	4	☹☹
	★ ME232-16.0W4B100C-	16	1	32	42	15,2	92	44	16	4	☹☹
	★ ME232-16.0W4B200C-	16	2	32	42	15,2	92	44	16	4	☹☹
★ ME232-16.0W4B300C-	16	3	32	42	15,2	92	44	16	4	☹☹	
★ ME232-20.0W4B100C-	20	1	38	52	19	104	54	20	4	☹☹	
★ ME232-20.0W4B200C-	20	2	38	52	19	104	54	20	4	☹☹	

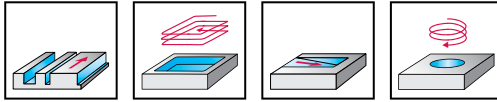
Ordering example for the grade WJ30ED: ME232-02.0A4L020C-WJ30ED

**WALTER**  
**SELECT**

●● Primary application ● Other application  
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

# Solid carbide shoulder/slot milling cutters

## ME232 Perform inch



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> h12 inch	R inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30ED
 Cylindrical shank	★ ME232.3.18A4D038-	1/8"	0,1250	0,015	0,500	2,500	1,083	0,250	4	☹
	★ ME232.6.35A4D038-	1/4"	0,2500	0,015	0,750	2,500	1,083	0,250	4	☹
	★ ME232.6.35A4D076-	1/4"	0,2500	0,030	0,750	2,500	1,083	0,250	4	☹
 DIN 6535 HB	★ ME232.9.53W4D038-	3/8"	0,3750	0,015	0,875	3,000	1,437	0,375	4	☹
	★ ME232.9.53W4D076-	3/8"	0,3750	0,030	0,875	3,000	1,437	0,375	4	☹
	★ ME232.12.7W4D038-	1/2"	0,5000	0,015	1,000	3,500	1,717	0,500	4	☹
	★ ME232.12.7W4D076-	1/2"	0,5000	0,030	1,000	3,500	1,717	0,500	4	☹
	★ ME232.12.7W4D152-	1/2"	0,5000	0,060	1,000	3,500	1,717	0,500	4	☹
	★ ME232.15.9W4D318-	5/8"	0,6250	0,125	1,250	3,500	1,594	0,625	4	☹
	★ ME232.19.1W4D076-	3/4"	0,7500	0,030	1,500	4,000	1,969	0,750	4	☹
★ ME232.19.1W4D152-	3/4"	0,7500	0,060	1,500	4,000	1,969	0,750	4	☹	

Ordering example for the grade WJ30ED: ME232.3.18A4D038-WJ30ED

**WALTER  
SELECT**

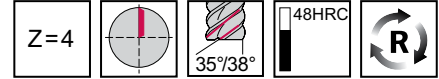
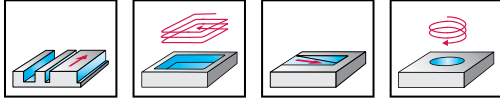
●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

# Solid carbide shoulder/slot milling cutters

ME232 Perform inch



- Long reach



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●	●	●

## Tool

Designation	D <sub>c</sub>	D <sub>c</sub> h12 inch	R inch	L <sub>c</sub> inch	l <sub>3</sub> inch	d <sub>2</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30ED
★ ME232.3.18A4D038C-	1/8"	0,1250	0,015	0,500	0,625	0,119	2,500	1,083	0,250	4	☹
★ ME232.6.35A4D038C-	1/4"	0,2500	0,015	0,750	1,000	0,238	2,500	1,083	0,250	4	☹
★ ME232.6.35A4D076C-	1/4"	0,2500	0,030	0,750	1,000	0,238	2,500	1,083	0,250	4	☹
<b>Cylindrical shank</b>											
★ ME232.9.53W4D038C-	3/8"	0,3750	0,015	0,875	1,125	0,356	3,000	1,437	0,375	4	☹
★ ME232.9.53W4D076C-	3/8"	0,3750	0,030	0,875	1,125	0,356	3,000	1,437	0,375	4	☹
★ ME232.12.7W4D038C-	1/2"	0,5000	0,015	1,000	1,500	0,475	3,500	1,717	0,500	4	☹
★ ME232.12.7W4D076C-	1/2"	0,5000	0,030	1,000	1,500	0,475	3,500	1,717	0,500	4	☹
★ ME232.12.7W4D152C-	1/2"	0,5000	0,060	1,000	1,500	0,475	3,500	1,717	0,500	4	☹
<b>DIN 6535 HB</b>											
★ ME232.12.7W4D318C-	1/2"	0,5000	0,125	1,000	1,500	0,475	3,500	1,717	0,500	4	☹
★ ME232.15.9W4D318C-	5/8"	0,6250	0,125	1,250	1,563	0,594	3,500	1,594	0,625	4	☹
★ ME232.19.1W4D076C-	3/4"	0,7500	0,030	1,500	1,875	0,713	4,000	1,969	0,750	4	☹
★ ME232.19.1W4D318C-	3/4"	0,7500	0,125	1,500	1,875	0,713	4,000	1,969	0,750	4	☹

Ordering example for the grade WJ30ED: ME232.3.18A4D038C-WJ30ED

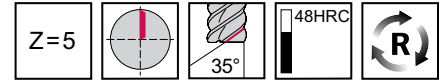
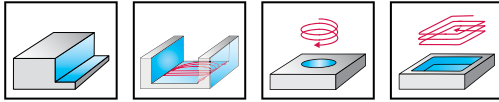
D1

# Solid carbide shoulder/slot milling cutters

ME232 Perform



- Long reach



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool		D <sub>c</sub> h12 mm	l <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HB</p>	★ ME232-06.0W5BC-	6		13	19	5,7	57	21	6	5	☹
	★ ME232-08.0W5BC-	8		19	25	7,6	63	27	8	5	☹
	★ ME232-10.0W5BC-	10	0,1	22	30	9,5	72	32	10	5	☹
	★ ME232-12.0W5BC-	12	0,1	26	36	11,4	83	38	12	5	☹
	★ ME232-16.0W5BC-	16	0,15	32	42	15,2	92	44	16	5	☹
	★ ME232-20.0W5BC-	20	0,15	38	52	19	104	54	20	5	☹

Bestellbeispiel für die Sorte WJ30ED: ME232-06.0W5BC-WJ30ED

Tool		D <sub>c</sub> h12 mm	l <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HB</p>	★ ME232-06.0W5L-	6		22	65	29	6	5	☹
	★ ME232-08.0W5L-	8		28	80	44	8	5	☹
	★ ME232-10.0W5L-	10	0,1	32	100	60	10	5	☹
	★ ME232-12.0W5L-	12	0,1	40	100	55	12	5	☹
	★ ME232-16.0W5L-	16	0,15	50	115	67	16	5	☹
	★ ME232-20.0W5L-	20	0,15	55	125	75	20	5	☹

Ordering example for the grade WJ30ED: ME232-06.0W5BC-WJ30ED

**WALTER SELECT**

●● Primary application   ● Other application

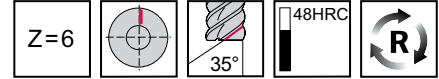
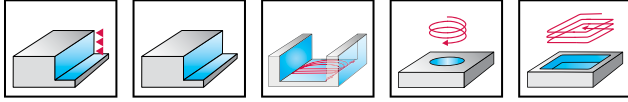
Best tool for → Good = ☺   → Average = ☹   → Poor = ☹☹ machining conditions

# Solid carbide shoulder/slot milling cutters

ME232 Perform



- Long reach



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> h12 mm	l <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>2</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HB</p>	★ ME232-06.0W6BC-	6		13	19	5,7	57	21	6	6	☹
	★ ME232-08.0W6BC-	8		19	25	7,6	63	27	8	6	☹
	★ ME232-10.0W6BC-	10	0,1	22	30	9,5	72	32	10	6	☹
	★ ME232-12.0W6BC-	12	0,1	26	36	11,4	83	38	12	6	☹
	★ ME232-16.0W6BC-	16	0,15	32	42	15,2	92	44	16	6	☹
	★ ME232-20.0W6BC-	20	0,15	38	52	19	104	54	20	6	☹

Ordering example for the grade WJ30ED: ME232-06.0W6BC-WJ30ED

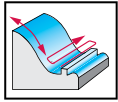
D1

**WALTER SELECT** ●● Primary application ● Other application

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

# Solid carbide ball-nose copy milling cutters

ME432 Perform



Z=2

48HRC

	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●	●	●

Tool	Designation	D <sub>c</sub> h9 mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HA</p>	★ ME432-01.0A2B-	1	0,5	3	38	10	3	2	☹
	★ ME432-01.5A2B-	1,5	0,75	3	38	10	3	2	☹
	★ ME432-02.0A2B-	2	1	6	38	11	3	2	☹
	★ ME432-02.5A2B-	2,5	1,25	7	38	12	3	2	☹
	★ ME432-03.0A2B-	3	1,5	7	38	10	3	2	☹
	★ ME432-04.0A2B-	4	2	8	57	21	6	2	☹
	★ ME432-05.0A2B-	5	2,5	10	57	21	6	2	☹
	★ ME432-06.0A2B-	6	3	10	57	21	6	2	☹
	★ ME432-08.0A2B-	8	4	16	63	27	8	2	☹
	★ ME432-10.0A2B-	10	5	19	72	32	10	2	☹
	★ ME432-12.0A2B-	12	6	22	83	38	12	2	☹
	★ ME432-16.0A2B-	16	8	26	92	44	16	2	☹
	★ ME432-20.0A2B-	20	10	32	104	54	20	2	☹

Ordering example for the grade WJ30ED: ME432-01.0A2B-WJ30ED

D1

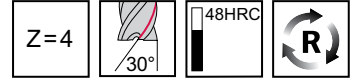
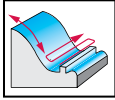
**WALTER SELECT**

●● Primary application   ● Other application

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

# Solid carbide ball-nose copy milling cutters

ME432 Perform



	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> h9 mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> h6 mm	Z	WJ30ED
<p>DIN 6535 HA</p>	★ ME432-03.0A4B-	3	1,5	8	38	10	3	4	☹
	★ ME432-04.0A4B-	4	2	11	57	21	6	4	☹
	★ ME432-05.0A4B-	5	2,5	13	57	21	6	4	☹
	★ ME432-06.0A4B-	6	3	13	57	21	6	4	☹
	★ ME432-08.0A4B-	8	4	19	63	27	8	4	☹
	★ ME432-10.0A4B-	10	5	22	72	32	10	4	☹
	★ ME432-12.0A4B-	12	6	26	83	38	12	4	☹
	★ ME432-16.0A4B-	16	8	32	92	44	16	4	☹
	★ ME432-20.0A4B-	20	10	38	104	54	20	4	☹

Ordering example for the grade WJ30ED: ME432-03.0A4B-WJ30ED

D1

**WALTER SELECT**

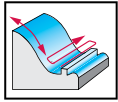
●● Primary application    ● Other application

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



# Solid carbide ball-nose copy milling cutters

ME432 Perform inch



Z=4

48HRC

	P	M	K	N	S	H	O
WJ30ED	●●	●	●	●	●		

Tool	Designation	D <sub>c</sub> inch	D <sub>c</sub> h9 inch	R inch	L <sub>c</sub> inch	l <sub>1</sub> inch	l <sub>4</sub> inch	d <sub>1</sub> h6 inch	Z	WJ30ED
<p>Cylindrical shank</p>	★ ME432.1.59A4D-	1/16"	0,0625	0,031	0,187	2,000	0,583	0,250	4	☹
	★ ME432.2.38A4D-	3/32"	0,0938	0,047	0,375	2,500	1,083	0,250	4	☹
	★ ME432.3.18A4D-	1/8"	0,1250	0,063	0,500	2,500	1,083	0,250	4	☹
	★ ME432.4.75A4D-	3/16"	0,1875	0,094	0,625	2,500	1,083	0,250	4	☹
	★ ME432.6.35A4D-	1/4"	0,2500	0,125	0,750	2,500	1,083	0,250	4	☹
	★ ME432.7.94A4D-	5/16"	0,3125	0,156	0,813	3,000	1,437	0,375	4	☹
	★ ME432.9.53A4D-	3/8"	0,3750	0,188	0,875	3,000	1,437	0,375	4	☹
	★ ME432.12.7A4D-	1/2"	0,5000	0,250	1,000	3,500	1,717	0,500	4	☹
	★ ME432.15.9A4D-	5/8"	0,6250	0,313	1,250	3,500	1,594	0,625	4	☹

Ordering example for the grade WJ30ED: ME432.1.59A4D-WJ30ED

**WALTER  
SELECT**

●● Primary application   ● Other application

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

## High-feed milling cutters



Designation	MC025 Advance	Protostar® Flash	MD025	MD025	Protostar® Flash
Diameter range	10–25,4	10–16	10–25	10–25	10–25
Number of teeth	4	3	5–6	5–6	4–5
Corner radius	1,5–3,18	1,5–2	1,5–3	1,5–3	1,5–3
Diameter range	0,375–0,750	—	0,375–1,000	0,375–1,000	—
Number of teeth	4	—	5–6	5–6	—
Corner radius	0,060–0,080	—	0,060–0,125	0,060–0,125	—
Standard	PWZ-NORM	PWZ-NORM	PWZ-NORM	PWZ-NORM	PWZ-NORM
Coating / grade	TAA	WJ30TF	TAX	WJ30RD	WJ30RA
Shank	ConeFit	ConeFit	ConeFit	ConeFit	ConeFit
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●	●●	●●
<b>K</b> Cast iron	●	●	●	●	●
<b>N</b> NF metals				●	
<b>S</b> Materials with difficult cutting properties	●	●	●	●●	●
<b>H</b> Hard materials					
<b>O</b> Other					

Page in catalogue

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MC025

protostar-flash

MD025

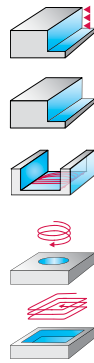
MD025

protostar-flash

**WALTER SELECT**

●● Primary application ● Other application

# Shoulder milling cutters



Designation	MC128	MD128	MD128
Diameter range	10–25	10–25	10–25
Number of teeth	6–8	6–8	6–8
Corner radius	0,5–4	0,5–4	0,5–4
Diameter range	—	—	—
Number of teeth	—	—	—
Corner radius	—	—	—
Standard	PWZ-NORM	PWZ-NORM	PWZ-NORM
Coating / grade	WJ30TF	WJ30TF	WJ30RD
Shank	ConeFit	ConeFit	ConeFit
<b>P</b> Steel	●●	●●	●●
<b>M</b> Stainless steel	●	●	●●
<b>K</b> Cast iron	●	●	●
<b>N</b> NF metals			
<b>S</b> Materials with difficult cutting properties	●	●	●●
<b>H</b> Hard materials			
<b>O</b> Other			

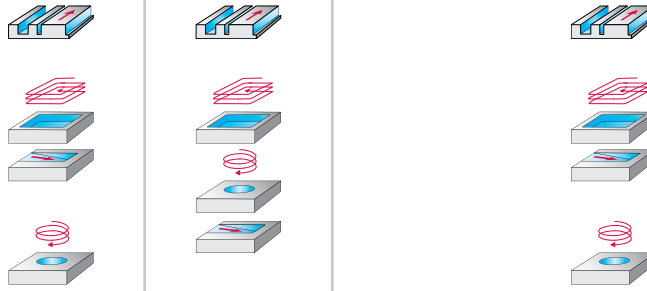
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	MC128	MD128	MD128

WALTER SELECT

●● Primary application ● Other application

D1

## Shoulder/slot milling cutters



Designation	MC326	MC320	Proto-max™ST	Protostar®	Proto-max™Inox
Diameter range	10–25	10–25	10–20	10–25	10–25
Number of teeth	4–5	4–8	4	3	4–5
Corner radius	0,5–4	0,35–0,4	0,5–4		0,5–4
Diameter range	0,375–1,000	—	—	—	—
Number of teeth	4–5				
Corner radius	0,015–0,125				
Standard	PWZ-NORM	PWZ-NORM	PWZ-NORM	PWZ-NORM	PWZ-NORM
Coating / grade	WJ30TF	WJ30TF	WJ30TF	TAZ	TAX
Shank	ConeFit	ConeFit	ConeFit	ConeFit	ConeFit
<b>P</b> Steel	●●	●●	●●	●●	
<b>M</b> Stainless steel	●	●	●		●●
<b>K</b> Cast iron	●	●	●	●	
<b>N</b> NF metals					
<b>S</b> Materials with difficult cutting properties	●	●			●
<b>H</b> Hard materials					
<b>O</b> Other					

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MC326

MC320

protomax-st

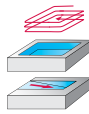
protostar

protomax-inox

**WALTER SELECT**

●● Primary application ● Other application

## Shoulder/slot milling cutters



Designation	Protostar®
Diameter range	10–25
Number of teeth	2–3
Corner radius	
Diameter range	—
Number of teeth	
Corner radius	
Standard	PWZ-NORM
Coating / grade	TAA
Shank	ConeFit
<b>P</b> Steel	
<b>M</b> Stainless steel	
<b>K</b> Cast iron	
<b>N</b> NF metals	● ●
<b>S</b> Materials with difficult cutting properties	
<b>H</b> Hard materials	
<b>O</b> Other	

Page in catalogue

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protostar

**WALTER SELECT**

●● Primary application ● Other application

D1

## Copy milling cutters



Designation	Protostar®
Diameter range	10–25
Number of teeth	2–4
Corner radius	5–12,5
Diameter range	0,375–1,000
Number of teeth	4
Corner radius	0,187–0,500
Standard	PWZ-NORM
Coating / grade	TAX
Shank	ConeFit
<b>P</b> Steel	●●
<b>M</b> Stainless steel	●●
<b>K</b> Cast iron	●
<b>N</b> NF metals	●
<b>S</b> Materials with difficult cutting properties	
<b>H</b> Hard materials	
<b>O</b> Other	

Page in catalogue

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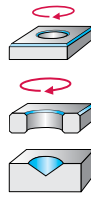
[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

protostar

**WALTER SELECT**

●● Primary application ● Other application

## Profiling cutters



Designation	Protostar®
Diameter range	10–20
Number of teeth	2–8
Corner radius	
Diameter range	0,500–0,625
Number of teeth	6–8
Corner radius	
Standard	PWZ-NORM
Coating / grade	TAX
Shank	ConeFit
<b>P</b> Steel	●●
<b>M</b> Stainless steel	●
<b>K</b> Cast iron	●
<b>N</b> NF metals	●
<b>S</b> Materials with difficult cutting properties	●
<b>H</b> Hard materials	
<b>O</b> Other	

Page in catalogue

QR code



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protostar

**WALTER SELECT**

●● Primary application ● Other application

D1

## Circle segment milling cutters



Designation	MD838	MD838
Diameter range	16	16
Number of teeth	8	8
Corner radius	2-4	2-4
Diameter range	—	—
Number of teeth	—	—
Corner radius	—	—
Standard	PWZ-NORM	PWZ-NORM
Coating / grade	WJ30RD	WJ30RD
Shank	ConeFit	ConeFit
<b>P</b> Steel	●●	●●
<b>M</b> Stainless steel		●●
<b>K</b> Cast iron	●	
<b>N</b> NF metals		●
<b>S</b> Materials with difficult cutting properties		●●
<b>H</b> Hard materials		
<b>O</b> Other		

Page in catalogue

QR code



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MD838

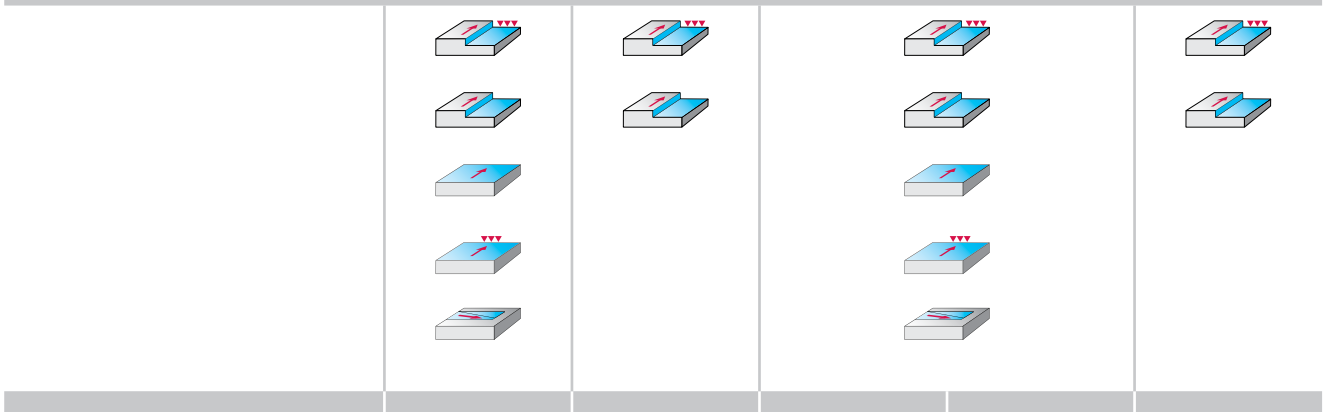
MD838

**WALTER SELECT**

●● Primary application ● Other application



## Shoulder milling cutters



Designation

Diameter range	40-63	32-40	50-80	40-63	25-40
Number of teeth	6	4-6	6-8	6	4-6
Corner radius					
Diameter range	—	—	—	—	—
Number of teeth					
Corner radius					
Standard					
Coating / grade	WP40	WP40	WP40	WP40	WKM
Shank	Modulare Aufnahme NCT	Modular NCT adaptor	DIN 1835 B	Shell mill mount DIN 138 transverse keyway	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



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F1682

F1678

F1675

F1682

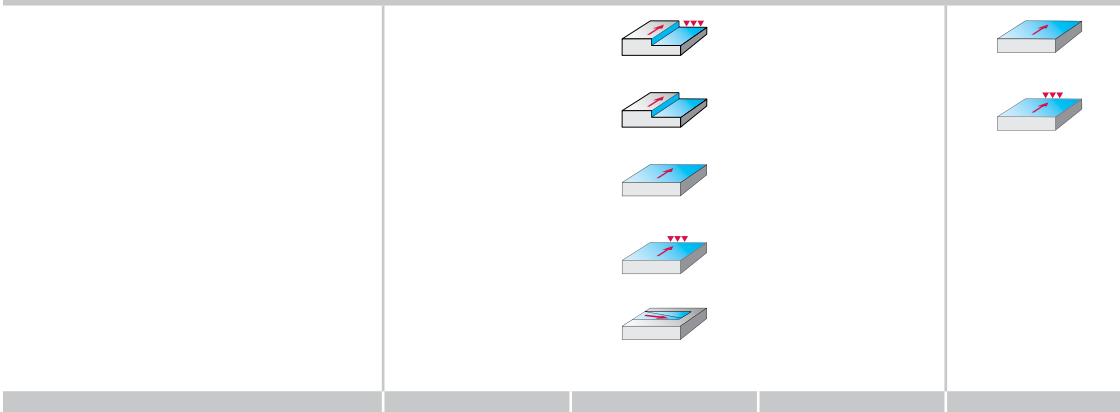
F1678

**WALTER SELECT**

●● Primary application ● Other application

D1

## Shoulder milling cutters



Selection

Selection

Selection

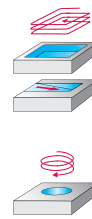
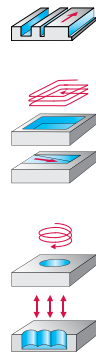


Designation		MP260	MP160	MP060	
Diameter range	50–80	4–20	16–40	40,6–125,6	
Number of teeth	6–8	2–3	3–4	10–22	
Corner radius		0,1–0,2	0,2	—	
Diameter range	—	—	—	—	
Number of teeth					
Corner radius					
Standard					
Coating / grade	WKM	WKM	WDN20	WDN20	
Shank	DIN 1835 B	Shell mill mount DIN 138 transverse keyway	ScrewFit DIN 6535 HA	ScrewFit 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		381	383	385	
QR code					
	<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	F1675	MP260	MP160	MP060

**WALTER SELECT**

●● Primary application ● Other application

## Brazed milling tools



Designation	MC275	MC075
Diameter range	8–12	8–12
Number of teeth	4–6	4
Corner radius	1	1–1,5
Diameter range	—	—
Number of teeth	—	—
Corner radius	—	—
Standard	PWZ-NORM	PWZ-NORM
Coating / grade	WIS10	WIS10
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

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MC275

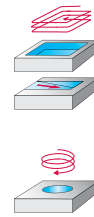
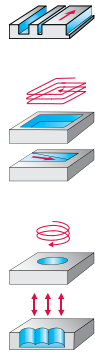
MC075

**WALTER SELECT**

● ● Primary application ● Other application

D1

## Brazed milling tools



Designation	MC275	MC075
Diameter range	12–25	16–25
Number of teeth	4–8	4
Corner radius	1–1,5	2–3
Diameter range	—	—
Number of teeth	—	—
Corner radius	—	—
Standard	PWZ-NORM	PWZ-NORM
Coating / grade	WIS10	WIS10
Shank	ConeFit	ConeFit
<b>P</b> Steel		
<b>M</b> Stainless steel		
<b>K</b> Cast iron		
<b>N</b> NF metals		
<b>S</b> Materials with difficult cutting properties	●●	●●
<b>H</b> Hard materials		
<b>O</b> Other		

Page in catalogue

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MC275

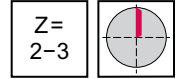
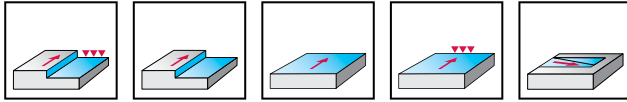
MC075

**WALTER SELECT**

●● Primary application ● Other application

# PCD routing cutters

MP260 mm



	P	M	K	N	S	H	O
WDN20				●●			●

Tool		Designation	D <sub>c</sub> mm	R mm	L <sub>c</sub> mm	l <sub>4</sub> mm	d <sub>1</sub>	Z	kg	WDN20
		MP260-016T02P	16	0,2	15	30	T14	2	0,23	☺
		MP260-016T03P	16	0,2	15	30	T14	3	0,03	☺
		MP260-020T03P	20	0,2	18	30	T18	3	0,05	☺

Pre-balanced to G6.3 where n = 16,000 rpm | Ordering example for the grade WDN20: MP260-016T02P WDN20

**WALTER SELECT** ●● Primary application ● Other application

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

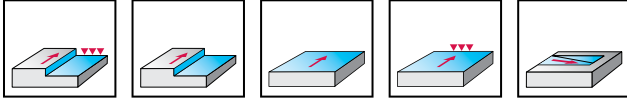
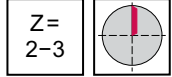
D1

# PCD routing cutters

MP260 mm



- Solid carbide shank



	P	M	K	N	S	H	O
WDN20				●●			●

Tool		Designation	D <sub>c</sub> mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> mm	Z	kg	WDN20
<p>DIN 6535 HA</p>		MP260-004A02P	4	0,1	6	52	12	4	2	0,02	☺
		MP260-005A02P	5	0,1	8	55	15	6	2	0,03	☺
		MP260-006A02P	6	0,2	8	60	20	6	2	0,02	☺
		MP260-008A02P	8	0,2	10	70	15	8	2	0,04	☺
		MP260-010A02P	10	0,2	12	80	17	10	2	0,09	☺
		MP260-012A02P	12	0,2	16	80	21	12	2	0,12	☺
		MP260-016A02P	16	0,2	20	90	25	16	2	0,22	☺
		MP260-016A03P	16	0,2	20	90	25	16	3	0,22	☺
		MP260-020A03P	20	0,2	20	100	48,5	20	3	0,4	☺

Ordering example for the grade WDN20: MP260-004A02P WDN20

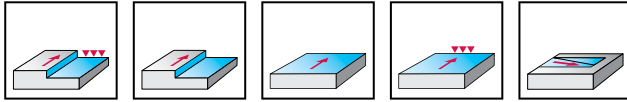
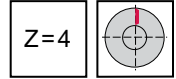
D1

**WALTER SELECT** ●● Primary application   ● Other application

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

# PCD shoulder milling cutters

MP160 mm



	P	M	K	N	S	H	0
WDN20				●●			●

Tool		Designation	D <sub>c</sub> mm	R mm	L <sub>c</sub> mm	l <sub>4</sub> mm	d <sub>1</sub>	Z	kg	WDN20
		MP160-020T04P	20	0,2	18	30	T18	4	0,05	☺
		MP160-025T04P	25	0,2	20	35	T22	4	0,11	☺
		MP160-032T04P	32	0,2	20	40	T28	4	0,39	☺
		MP160-040T04P	40	0,2	20	40	T36	4	0,37	☺

ScrewFit

Pre-balanced to G6.3 where n = 16,000 rpm | Ordering example for the grade WDN20: MP160-020T04P WDN20

D1

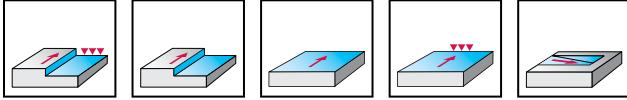
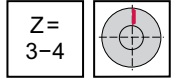
<b>WALTER SELECT</b>		●● Primary application   ● Other application	
	Best tool for → Good = ☺   → Average = ☹   → Poor = ☹		machining conditions

# PCD shoulder milling cutters

MP160



- Solid carbide shank



	P	M	K	N	S	H	O
WDN20				●●			●

Tool		Designation	D <sub>c</sub> mm	R mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> mm	Z	kg	WDN20
		MP160-016A03P	16	0,2	20	90	25	16	3	0,22	☺
		MP160-020A04P	20	0,2	20	100	48,5	20	4	0,42	☺
		MP160-025A04P	25	0,2	20	100	42,5	25	4	0,62	☺

DIN 6535 HA

Ordering example for the grade WDN20: MP160-016A03P WDN20

D1

**WALTER SELECT** ●● Primary application ● Other application

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



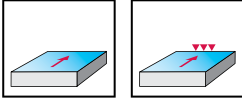
# PCD face milling cutters

MP060 mm



Z= 10-22

- κ = 75° up to L<sub>c</sub> = 1.1 mm



	P	M	K	N	S	H	O
WDN20				●●			●

Tool	Designation	D <sub>c</sub> mm	l <sub>11</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	d <sub>1</sub> mm	Z	kg	WDN20
	MP060-040B10P	40	0,1	1,1	40	16	10	0,4	☺
	MP060-050B12P	50	0,1	1,1	40	22	12	0,6	☺
	MP060-063B14P	63	0,1	1,1	40	22	14	0,5	☺
	MP060-080B16P	80	0,1	1,1	50	27	16	1	☺
	MP060-100B18P	100	0,1	1,1	50	32	18	1,5	☺
	MP060-125B22P	125	0,1	1,1	63	40	22	3,2	☺

Shell mill mount DIN 138 transverse keyway

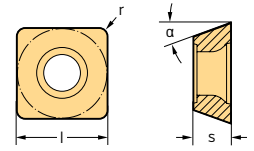
Pre-balanced to G6.3 where n = 16,000 rpm | Ordering example for the grade WDN20: MP060-040B10P WDN20

D1

<b>WALTER SELECT</b>	●● Primary application    ● Other application Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions
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**Positive square**  
**SCMT / SCGT / SCHAT**  
**Tiger-tec® Gold**



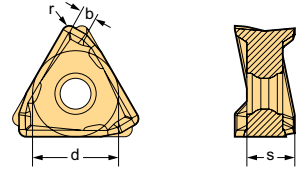
**Indexable inserts**

Designation	Tolerance class	Number of cutting edges	s mm	l mm	r mm	α	P		M		K		N		S		
							HC	HC	HC	HC	HC	HW	HC	HC			
							WKP35G	WKP35S	WSP45G	WSM45X	WSP45G	WKP35G	WKP35S	WXN15	WN15	WSM45X	WSP45G
SCMT110502-G55	M	4	5,16	11,1	0,2	11°	☺	☺	☺	☺	☺	☺	☺				☺
SCMT110502-G55W	M	4	5,16	11,1	0,2	11°			☺	☺	☺						☺
SCMT110502-F55	M	4	5,16	11,1	0,2	11°	☺	☺	☺		☺	☺					☺
SCGT110502-G51	G	4	5,16	11,1	0,2	11°	☺	☺	☺		☺	☺					☺
SCHAT110502-K85	H	4	5,16	11,1	0,2	11°							☺	☺			

Ordering example for the grade WKP35G: SCMT110502-G55 WKP35G

HC = Coated carbide  
 HW = Uncoated carbide

# Negative triangular TNMU Tiger-tec® Gold



## Indexable inserts

Designation	Tolerance class	Number of cutting edges	s mm	d mm	r mm	b mm	P		M	K	S				
							HC	HC	HC	HC	HC				
							WKP25S	WKP35G	WKP35S	WSP45G	WSP45G	WKP25S	WKP35G	WKP35S	WSP45G
	TNMU11T304R-G27	M	6	3,75	6,72	0,4	1	☺	☺	☺	☺	☺	☺	☺	☺
	TNMU11T308R-G27	M	6	3,75	6,72	0,8	0,8	☺	☺	☺	☺	☺	☺	☺	☺
	TNMU160508R-G27	M	6	5,35	9,6	0,8	1,6	☺	☺	☺	☺	☺	☺	☺	☺
	TNMU160512R-G27	M	6	5,35	9,6	1,2	1,3	☺	☺	☺	☺	☺	☺	☺	☺
	TNMU160516R-G27	M	6	5,35	9,6	1,6	0,9	☺	☺	☺	☺	☺	☺	☺	☺
	TNMU11T304R-G57	M	6	3,75	6,72	0,4	1	☺	☺	☺	☺	☺	☺	☺	☺
	TNMU160508R-G57	M	6	5,35	9,6	0,8	1,6	☺	☺	☺	☺	☺	☺	☺	☺

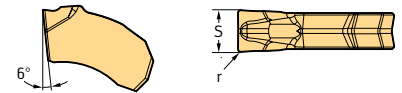
Ordering example for the grade WKP25S: TNMU11T304R-G27 WKP25S  
 Ordering example for the grade WKP35G: TNMU11T304R-G27 WKP35G

HC = Coated carbide

# Slitting – cutting inserts

## SX

### Tiger-tec® Gold



#### Cutting inserts

Designation	s mm	r mm	S <sub>Tol</sub> mm	h <sub>Tol</sub> mm	P		M		K	N	S	
					HC		HC		HC	HW	HC	
					WKP23S	WSM23G	WSM33G	WSM43G	WSM23G	WSM33G	WSM43G	WKP23S
	SX-1E150N01-SF5	1,5	0,15	±0,05	±0,1							
	SX-2E200N02-SF5	2	0,2	±0,05	±0,1							
	SX-3E300N02-SF5	3	0,2	±0,05	±0,1							
	SX-4E400N02-SF5	4	0,2	±0,05	±0,1							
	SX-5E500N04-SF5	5	0,4	±0,05	±0,1							
	SX-1E150N01-SK8	1,5	0,1	±0,02	±0,05							
	SX-2E200N02-SK8	2	0,2	±0,02	±0,05							
	SX-3E300N02-SK8	3	0,2	±0,02	±0,05							
	SX-4E400N02-SK8	4	0,2	±0,02	±0,05							
	SX-5E500N04-SK8	5	0,4	±0,02	±0,05							
	SX-1E150N01-CE4	1,5	0,15	±0,05	±0,1							
	SX-2E200N02-CE4	2	0,2	±0,05	±0,1							
	SX-2E260N03-CE4	2,6	0,3	±0,05	±0,1							
	SX-3E300N02-CE4	3	0,2	±0,05	±0,1							
	SX-3E310N03-CE4	3,1	0,3	±0,05	±0,1							
	SX-4E400N02-CE4	4	0,2	±0,05	±0,1							
	SX-4E410N03-CE4	4,1	0,3	±0,05	±0,1							
	SX-4E480N03-CE4	4,8	0,3	±0,05	±0,1							
	SX-5E500N04-CE4	5	0,4	±0,05	±0,1							
	SX-6E600N04-CE4	6	0,4	±0,05	±0,1							
	SX-8E800N08-CE4	8	0,8	±0,05	±0,1							
	SX-10E1000N08-CE4	10	0,8	±0,05	±0,1							
		SX-1E150N01-CF5	1,5	0,15	±0,05	±0,1						
SX-2E200N02-CF5		2	0,2	±0,05	±0,1							
SX-3E300N02-CF5		3	0,2	±0,05	±0,1							
SX-3E310N03-CF5		3,1	0,3	±0,05	±0,1							
SX-4E400N02-CF5		4	0,2	±0,05	±0,1							
SX-5E500N04-CF5		5	0,4	±0,05	±0,1							
SX-6E600N04-CF5		6	0,4	±0,05	±0,1							
	SX-2E200N02-CF6	2	0,2	±0,05	±0,1							
	SX-3E300N02-CF6	3	0,2	±0,05	±0,1							

h<sub>Tol</sub> = Repeat accuracy when changing indexable inserts within one insert batch  
 Radius tolerance r<sub>Tol</sub> = ±0.05 mm  
 Ordering example for the grade WSM33G: SX-1E150N01-SF5 WSM33G

HC = Coated carbide  
 HW = Uncoated carbide

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

## Face milling cutters

Machining				
	42°	42°	43°	43°



Designation	M2026		M2025		M5004 Xtra-tec® XT		F2010	
Diameter range	208,47– 258,47	—	88,47– 168,47	—	32–170	1,250–6,394	90–325	—

### Boring bar/adaptor type

DIN 1835 B								
Cylindrical bore DIN 138	✓		✓		✓	✓	✓	
ScrewFit					✓	✓		
Cylindrical shank					✓	✓		
Cylindrical modular					✓			
Steep taper								
HSK								
NCT								

<b>P</b> Steel					●●		●●	
<b>M</b> Stainless steel					●●		●●	
<b>K</b> Cast iron	●●		●●		●●		●●	
<b>N</b> NF metals					●●		●●	
<b>S</b> Materials with difficult cutting properties					●●		●●	
<b>H</b> Hard materials	●		●		●		●	
<b>O</b> Other					●		●	

### Indexable inserts



Number of cutting edges	16 / 4	16 / 4	8 / 1	8
Max. depth of cut	3	3	3 - 4	4
Page in catalogue				

### QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

M2026

M2025

M5004

F2010

**WALTER SELECT**

●● Primary application ● Other application

## Face milling cutters

Machining				
Lead angle $\kappa$	45°	45°	45°	45°



Designation	M5009 Xtra-tec® XT		M4003		M3024 Walter BLAXX		F4045 Xtra-tec®	
Diameter range	50,43–174	2,411–6,551	29,63–173,41	1,129–6,528	49,8–172,86	2,386–6,506	72,8–172,8	—

Boring bar/adaptor type

DIN 1835 B								
Cylindrical bore DIN 138	✓	✓	✓	✓	✓	✓	✓	
ScrewFit	✓							
Cylindrical shank			✓	✓				
Cylindrical modular								
Steep taper								
HSK								
NCT								
<b>P</b> Steel	●●		●●		●●			
<b>M</b> Stainless steel	●●		●●		●●			
<b>K</b> Cast iron	●●		●●		●●		●●	
<b>N</b> NF metals	●●		●●		●●			
<b>S</b> Materials with difficult cutting properties	●●		●●		●●			
<b>H</b> Hard materials	●		●				●	
<b>O</b> Other	●		●					

Indexable inserts



Number of cutting edges	8 / 2	4 / 1	14 / 2	14 / 2
Max. depth of cut	5 - 6	4,5 - 6,5	4 - 6	4 - 6
Page in catalogue				

QR code



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M5009

M4003

M3024

F4045

WALTER SELECT

●● Primary application   ● Other application

## Face milling cutters

Machining				
	45°	45°	45°	45°



Designation	F2010		F2010		F2010		F2010	
Diameter range	90-325	—	94-329	—	94-329	—	90-325	—

### Boring bar/adaptor type

DIN 1835 B								
Cylindrical bore DIN 138	✓		✓		✓		✓	
ScrewFit								
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●
<b>K</b> Cast iron	●●	●●	●●	●●
<b>N</b> NF metals		●●	●●	
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	
<b>H</b> Hard materials		●	●	
<b>O</b> Other		●	●	

### Indexable inserts



XN.U0705...



SD..1204AZN...



SN.X1205...



ODHX0605ZZN...

Number of cutting edges	14	4	8	8
Max. depth of cut	4	6	6,5	2
Page in catalogue				

### QR code



F2010



F2010



F2010



F2010

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
**WALTER SELECT**

●● Primary application ● Other application



## Face milling cutters

Machining



Lead angle  $\kappa$

60°

60°

75°

88°



Designation	M3016 Walter BLAXX		F2260		M5011 Xtra-tec® XT		M5012 Xtra-tec® XT	
Diameter range	143,6–333,6	—	113–263	—	55,5–165,5	—	40–160	—

Boring bar/adaptor type

DIN 1835 B								
Cylindrical bore DIN 138	✓		✓		✓		✓	
ScrewFit								
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT								
<b>P</b> Steel	●●		●		●●		●●	
<b>M</b> Stainless steel	●				●●		●●	
<b>K</b> Cast iron	●●		●●		●●		●●	
<b>N</b> NF metals							●●	
<b>S</b> Materials with difficult cutting properties	●				●●		●●	
<b>H</b> Hard materials					●		●	
<b>O</b> Other					●		●	

Indexable inserts



LNMU2010...



LNMU1508...



SN.X1205...XNGX1205ENN...



SN.X...XNGX...ZNN...

Number of cutting edges	4	4	8 / 2	8 / 2
Max. depth of cut	16	11	8	8 - 10
Page in catalogue				

QR code



www.walter-tools.com/woc/

M3016

F2260

M5011

M5012

WALTER SELECT

●● Primary application ● Other application

## Face milling cutters

Machining		
Lead angle $\kappa$	90°	90°



Designation	F2250		F2010	
Diameter range	63–100	—	80–315	—

### Boring bar/adaptor type

DIN 1835 B				
Cylindrical bore DIN 138	✓		✓	
ScrewFit				
Cylindrical shank				
Cylindrical modular				
Steep taper				
HSK				
NCT				

<b>P</b> Steel		● ●
<b>M</b> Stainless steel		●
<b>K</b> Cast iron		● ●
<b>N</b> NF metals	● ●	
<b>S</b> Materials with difficult cutting properties		
<b>H</b> Hard materials		●
<b>O</b> Other		

### Indexable inserts



SP..1204...SPHX1204...

P2903..

Number of cutting edges	1 / 1	3
Max. depth of cut	3	9
Page in catalogue		

### QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

F2250

F2010

**WALTER SELECT**

●● Primary application ● Other application

## High-feed milling cutters

Machining				
Lead angle $\kappa$	15°	15°	15°	15°



Designation	M5008 Xtra-tec® XT		M4002		F2330		F2010	
Diameter range	16-66	0,625-2,500	20-125	0,750-4,000	20-85	0,750-4,000	93-328	—

Boring bar/adaptor type

DIN 1835 B						✓		
Cylindrical bore DIN 138	✓	✓	✓	✓	✓	✓	✓	
ScrewFit	✓	✓	✓	✓	✓	✓		
Cylindrical shank	✓	✓	✓	✓	✓	✓		
Cylindrical modular	✓		✓					
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●	●●	●●	●●
<b>N</b> NF metals			●●	●●			●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●	●●	●●	●●
<b>H</b> Hard materials	●●	●●	●	●			●	●
<b>O</b> Other								

Indexable inserts



EN.X08T3...



SD...SD.X...



P263...



SD..1204...SD.X1205...

Number of cutting edges	4	4 / 4	3	4 / 4
Max. depth of cut	1	1 - 2	1 - 2	2
Page in catalogue				

QR code



www.walter-tools.com/woc/

M5008

M4002

F2330

F2010

WALTER SELECT

●● Primary application ● Other application

## High-feed milling cutters

Machining		
	15°	21°



Designation	F2010		F4030 Xtra-tec®	
Diameter range	87– 322,15	—	25–100	1,000–4,000

### Boring bar/adaptor type

DIN 1835 B				✓
Cylindrical bore DIN 138	✓		✓	✓
ScrewFit			✓	✓
Cylindrical shank			✓	✓
Cylindrical modular				
Steep taper				
HSK				
NCT				
<b>P</b> Steel		● ●		● ●
<b>M</b> Stainless steel		● ●		● ●
<b>K</b> Cast iron		● ●		● ●
<b>N</b> NF metals				
<b>S</b> Materials with difficult cutting properties		● ●		● ●
<b>H</b> Hard materials				
<b>O</b> Other				

### Indexable inserts



P263...



P23696...

Number of cutting edges	3	6
Max. depth of cut	2	1 - 2
Page in catalogue		

### QR code



F2010



F4030

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
**WALTER SELECT**

● ● Primary application ● Other application

## Shoulder milling cutters

Machining				
Lead angle $\kappa$	90°	90°	90°	90°

Selection

Selection



Designation	M5250 Xtra-tec® XT		M5137 Xtra-tec® XT		M5130 Xtra-tec® XT		M4130	
Diameter range	50-80	2,000-3,000	25-160	1,000-6,000	10-160	0,500-6,000	20-25	—

Boring bar/adaptor type

DIN 1835 B			✓	✓	✓	✓	✓	
Cylindrical bore DIN 138	✓	✓	✓	✓	✓	✓		
ScrewFit					✓	✓		
Cylindrical shank					✓	✓		
Cylindrical modular					✓			
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●	●●	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●	●●	●●	●●	●●	●●	●●
<b>H</b> Hard materials					●●	●●		
<b>O</b> Other	●				●	●		

Indexable inserts



BC..1605..SC..1105..

TNMU...

AC... / BC...BCGX...

LD...

Number of cutting edges	2 / 4	6	2 / 2	2
Max. depth of cut	43 - 80	5 - 8	5 - 15	8
Page in catalogue	426	414		

QR code



www.walter-tools.com/woc/

M5250

M5137

M5130

M4130

WALTER SELECT

●● Primary application ● Other application

## Shoulder milling cutters

Machining				
Lead angle $\kappa$	90°	90°	90°	90°



Designation	M2331		M2136		M2131		F5241 Walter BLAXX	
Diameter range	32-50	—	50-160	—	25-80	1,000-3,000	50-160	—

### Boring bar/adaptor type

DIN 1835 B								
Cylindrical bore DIN 138	✓		✓		✓	✓	✓	
ScrewFit					✓	✓		
Cylindrical shank					✓	✓		
Cylindrical modular								
Steep taper								
HSK					✓			
NCT								

<b>P</b> Steel							●●
<b>M</b> Stainless steel							●●
<b>K</b> Cast iron			●●				●●
<b>N</b> NF metals	●●				●●		●●
<b>S</b> Materials with difficult cutting properties							●●
<b>H</b> Hard materials							●
<b>O</b> Other	●				●		●

### Indexable inserts



ZDGT.A...



SNEF1204...SNEX1204...



ZDGT...



LN.U1607...

Number of cutting edges	2	8 / 4	2	4
Max. depth of cut	15 - 20	6,5	15 - 20	15
Page in catalogue				

### QR code



M2331



M2136



M2131



F5241

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
**WALTER SELECT**

●● Primary application ● Other application

## Shoulder milling cutters

Machining				
Lead angle $\kappa$	90°	90°	90°	90°



Designation	F5141 Walter BLAXX		F5041 Walter BLAXX		F5138 Walter BLAXX		F5038 Walter BLAXX	
Diameter range	40-160	1,500-6,000	25-63	1,000-2,000	40-80	1,500-2,500	25-40	—

Boring bar/adaptor type

DIN 1835 B	✓	✓	✓	✓		✓	✓	
Cylindrical bore DIN 138	✓	✓	✓	✓	✓	✓		
ScrewFit	✓	✓	✓		✓		✓	
Cylindrical shank	✓		✓	✓				
Cylindrical modular								
Steep taper								
HSK								
NCT								
<b>P</b> Steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●	●●	●●	●●
<b>H</b> Hard materials	●	●	●	●	●	●	●	●
<b>O</b> Other	●	●	●	●	●	●	●	●

Indexable inserts



Number of cutting edges	4 / 4	4 / 4	4	4
Max. depth of cut	12	8	34 - 56	32 - 40
Page in catalogue				

QR code



www.walter-tools.com/woc/

F5141

F5041

F5138

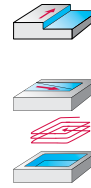
F5038

WALTER SELECT

●● Primary application ● Other application

## Shoulder milling cutters

Machining


 Lead angle  $\kappa$ 

90°

90°

90°

90°



Designation	F4338 Xtra-tec®		F4238 Xtra-tec®		F4138 Xtra-tec®		F4038 Xtra-tec®	
Diameter range	63-80	—	40-80	1,500-3,000	32-63	1,250-2,000	20-32	0,750-1,000

Boring bar/adaptor type

DIN 1835 B				✓	✓	✓	✓	✓
Cylindrical bore DIN 138	✓		✓	✓	✓	✓		
ScrewFit			✓		✓	✓	✓	
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT			✓		✓			

<b>P</b> Steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●	●●	●●	●●
<b>N</b> NF metals			●●	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●		●●	●●	●●	●●	●●	●●
<b>H</b> Hard materials								
<b>O</b> Other			●	●	●	●	●	●

Indexable inserts



AD..1807...



AD..1606...



AD..1204...



AD..0803...

Number of cutting edges	2	2	2	2
Max. depth of cut	47 - 78	29 - 99	33 - 54	22 - 37
Page in catalogue				

QR code



F4338



F4238



F4138



F4038

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
**WALTER SELECT**

●● Primary application ● Other application



## Shoulder milling cutters

Machining				
Lead angle $\kappa$	90°	90°	90°	90°



Designation	F4042 Xtra-tec®		F4042R Xtra-tec®		F4041 Xtra-tec®		F2338F	
Diameter range	10-160	0,750-3,000	16-63	0,625-2,000	40-125	1,500-4,000	63-85	—

Boring bar/adaptor type

DIN 1835 B	✓	✓	✓	✓	✓			
Cylindrical bore DIN 138	✓	✓	✓	✓	✓	✓	✓	
ScrewFit	✓	✓	✓	✓	✓	✓		
Cylindrical shank	✓	✓	✓	✓				
Cylindrical modular								
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●	●●	●●	●
<b>K</b> Cast iron	●●	●●	●●	●●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●	●●	●●	●
<b>H</b> Hard materials	●	●	●	●	●	●	●	●
<b>O</b> Other	●	●	●	●	●	●	●	●

Indexable inserts



AD..1807...



AD..10T3...ADGX10T3...



LN.X1307...



LP..1506...SP..1206...

Number of cutting edges	2	2 / 2	4	2 / 4
Max. depth of cut	8 - 16,7	10	13	48 - 70
Page in catalogue				

QR code



F4042



F4042R



F4041



F2338F

www.walter-tools.com/woc/

WALTER SELECT

●● Primary application ● Other application

## Shoulder milling cutters

Machining				
Lead angle $\kappa$	90°	90°	90°	90°

### Selection



Designation	F2010		F2010		F2010		F2010	
Diameter range	80-315	3,000-12,000	80-315	3,000-12,000	80-315	3,000-12,000	80-315	—

### Boring bar/adaptor type

DIN 1835 B								
Cylindrical bore DIN 138	✓	✓	✓	✓	✓	✓	✓	
ScrewFit								
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●
<b>N</b> NF metals		●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●	●●	●●	●●
<b>H</b> Hard materials		●	●	●
<b>O</b> Other		●	●	●

### Indexable inserts



Number of cutting edges	6	2	2	4
Max. depth of cut	8	15	11,7 - 11,7	12
Page in catalogue	422			

### QR code



www.walter-tools.com/woc/

F2010

F2010

F2010

F2010

**WALTER SELECT**

●● Primary application ● Other application

## Shoulder milling cutters

Machining				
Lead angle $\kappa$	90°	90°	90°	90°



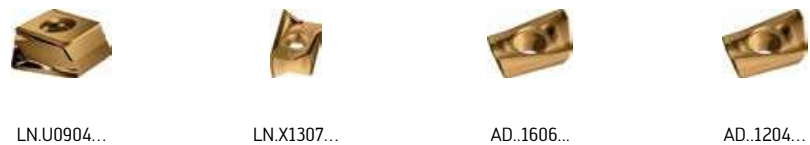
Designation	F2010		F2010		F2010		F2010	
Diameter range	80-315	—	80-315	—	80-315	—	80-315	—

Boring bar/adaptor type

DIN 1835 B								
Cylindrical bore DIN 138	✓		✓		✓		✓	
ScrewFit								
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●
<b>H</b> Hard materials	●	●	●	●
<b>O</b> Other	●	●	●	●

Indexable inserts



Number of cutting edges	4	4	2	2
Max. depth of cut	8	13	15	11,7
Page in catalogue				

QR code



www.walter-tools.com/woc/

F2010

F2010

F2010

F2010

WALTER SELECT

●● Primary application ● Other application

## Shoulder milling cutters

Machining			
Lead angle $\kappa$	89,75°	89,5°	89,5°



Designation	M4132		F2010		F2010	
Diameter range	16–125	0,625–3	80–315	—	80–315	—

### Boring bar/adaptor type

DIN 1835 B	✓	✓				
Cylindrical bore DIN 138	✓	✓	✓		✓	
ScrewFit	✓					
Cylindrical shank						
Cylindrical modular	✓					
Steep taper						
HSK						
NCT						

<b>P</b> Steel	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●	●●
<b>H</b> Hard materials	●	●	●	●	●	●
<b>O</b> Other	●	●	●	●	●	●

### Indexable inserts



SD...



SD..1204...



SD..09T3...

Number of cutting edges	4	4	4
Max. depth of cut	5,6 - 11,6	11,6	8,4
Page in catalogue			

### QR code



M4132



F2010



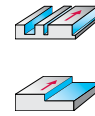
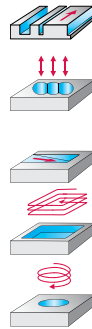
F2010

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
**WALTER SELECT**

●● Primary application ● Other application

## Slot milling cutters

Machining



Lead angle $\kappa$	90°		90°		90°		90°	
---------------------	-----	--	-----	--	-----	--	-----	--



Designation	M4792		M4791		M4258		M4257	
Diameter range	17,9–39,9	0,750–1,500	—	0,750–1,750	50–100	3,000–4,000	40–63	1,500–2,000

**Boring bar/adaptor type**

DIN 1835 B	✓	✓		✓			✓	✓
Cylindrical bore DIN 138					✓	✓	✓	✓
ScrewFit							✓	
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●	●●	●●	●●
<b>N</b> NF metals			●●	●●				
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●	●●	●●	●●
<b>H</b> Hard materials			●					
<b>O</b> Other								

Indexable inserts



LD...  
SD...

SD...

LD..1704...  
SD..1204...

LD..14T3...  
SD...09T3...

Number of cutting edges	2 / 4		4		2 / 4		2 / 4	
Max. depth of cut	8,3 - 26,9		5,6 - 11,6		25 - 118		47 - 54	
Cutting width SB [mm]								

Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

M4792

M4791

M4258

M4257

WALTER SELECT

●● Primary application ● Other application

## Slot milling cutters

Machining					
	90°		90°	90°	90°
Lead angle $\kappa$	90°		90°	90°	90°



Designation	M4256		M3255 Walter BLAXX		F5055 Walter BLAXX		F4253 Xtra-tec®	
Diameter range	20-32	—	50-80	2,000-3,000	63-500	—	100-315	—

**Boring bar/adaptor type**

DIN 1835 B	✓							
Cylindrical bore DIN 138			✓	✓	✓		✓	
ScrewFit	✓							
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●				●●		●●	
<b>M</b> Stainless steel	●●		●●		●●		●●	
<b>K</b> Cast iron	●●				●●		●●	
<b>N</b> NF metals					●●			
<b>S</b> Materials with difficult cutting properties	●●		●●		●●		●●	
<b>H</b> Hard materials								
<b>O</b> Other								

**Indexable inserts**

 LD..08T2...  
SD..06T2...

 XNHX1306...  
LNHX1206...

SX...

LNU...

Number of cutting edges	2 / 4		2 / 4		1		4	
Max. depth of cut	27 - 37		46 - 58		—		—	
Cutting width SB [mm]					1,5-5		12-25	

**Page in catalogue**
**QR code**

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

M4256

M3255

F5055

F4253

## Slot milling cutters

Machining				
Lead angle $\kappa$	90°	90°	90°	90°



Designation	F4153 Xtra-tec®		F4053 Xtra-tec®		F2252		F2252	
Diameter range	80–200	3,000–6,000	80–160	—	125–200	—	125–200	—

**Boring bar/adaptor type**

DIN 1835 B								
Cylindrical bore DIN 138	✓	✓	✓		✓		✓	
ScrewFit								
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT								
<b>P</b> Steel	●●		●●		●●		●●	
<b>M</b> Stainless steel	●●		●●		●●		●●	
<b>K</b> Cast iron	●●		●●		●●		●●	
<b>N</b> NF metals					●●		●●	
<b>S</b> Materials with difficult cutting properties	●●		●●		●●		●●	
<b>H</b> Hard materials								
<b>O</b> Other					●		●	

**Indexable inserts**



LN.U...      LN.X0702...      AD..1606...      AD..1204...

Number of cutting edges	4	4	2	2
Max. depth of cut	—	—	—	—
Cutting width SB [mm]	6–10	4	22	16–19

**Page in catalogue**

**QR code**



www.walter-tools.com/woc/

F4153

F4053

F2252

F2252

**WALTER SELECT**

●● Primary application    ● Other application

## Slot milling cutters

Machining


 Lead angle  $\kappa$ 

90°

90°

90°

90°



Designation	F2252		F2252		F2252		F2252	
Diameter range	100–160	—	125–200	—	100–160	—	80–160	—

Boring bar/adaptor type

DIN 1835 B								
Cylindrical bore DIN 138	✓		✓		✓		✓	
ScrewFit								
Cylindrical shank								
Cylindrical modular								
Steep taper								
HSK								
NCT								
<b>P</b> Steel	●●		●●		●●		●●	
<b>M</b> Stainless steel	●●		●●		●●		●●	
<b>K</b> Cast iron	●●		●●		●●		●●	
<b>N</b> NF metals	●●		●●		●●		●●	
<b>S</b> Materials with difficult cutting properties	●●		●●		●●		●●	
<b>H</b> Hard materials								
<b>O</b> Other	●		●		●		●	

Indexable inserts



AD..0803...


 MP..1204....  
P2905..

 MP..0803...  
P2905..

 MP..0603...  
P2905..

Number of cutting edges	2		2 / 4		2 / 4		2 / 4	
Max. depth of cut	—		—		—		—	
Cutting width SB [mm]	12–14		16–22		10–14		8–9	

Page in catalogue

QR code



F2252



F2252



F2252



F2252

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
**WALTER SELECT**

●● Primary application ● Other application



## Copy milling cutters

Machining				
Lead angle $\kappa$				



Designation	M5468 Xtra-tec® XT		M5460 Xtra-tec® XT		M2473		M2472	
Diameter range	10-160	1,000-5,000	8-32	0,375-1,000	40-63	—	32-50	—

Boring bar/adaptor type

DIN 1835 B	✓	✓	✓	✓				
Cylindrical bore DIN 138	✓	✓			✓		✓	
ScrewFit	✓		✓		✓		✓	
Cylindrical shank			✓	✓				
Cylindrical modular	✓		✓					
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●	●●	●●	●●				
<b>M</b> Stainless steel	●●	●●	●●	●●				
<b>K</b> Cast iron	●●	●●	●●	●●				
<b>N</b> NF metals	●●	●●	●●	●●				
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●		●●	
<b>H</b> Hard materials	●●	●●	●●	●●				
<b>O</b> Other	●	●	●	●				

Indexable inserts



RD.X... / RO.X...



P32...



RNGN1207...WIS..



RPGN1204...WIS..

Number of cutting edges	4 / 8	1	8	4
Max. depth of cut	2.5 - 10	4 - 16	6	6
Page in catalogue				

QR code



M5468



M5460



M2473



M2472

www.walter-tools.com/woc/

WALTER SELECT

●● Primary application ● Other application

## Copy milling cutters

Machining				
Lead angle $\kappa$				



Designation	M2471		F2339		F2334R		F2239	
Diameter range	25-63	2,000-2,500	16-40	0,625-2,000	25-80	1,250-2,500	20-63	—

### Boring bar/adaptor type

DIN 1835 B			✓	✓			✓	
Cylindrical bore DIN 138	✓	✓			✓	✓		
ScrewFit	✓		✓	✓	✓	✓	✓	
Cylindrical shank	✓				✓	✓		
Cylindrical modular			✓				✓	
Steep taper								
HSK								
NCT							✓	

<b>P</b> Steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>K</b> Cast iron			●●	●●	●●	●●	●●	●●
<b>N</b> NF metals								
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●	●●	●●	●●
<b>H</b> Hard materials			●	●				
<b>O</b> Other								

### Indexable inserts



RN.X...



XD.T...SP...



RO.X...



P26315...SP...

Number of cutting edges	8	2 / 4	4	3 / 4
Max. depth of cut	5 - 6	11 - 57	5 - 6	15 - 84
Page in catalogue				

### QR code



M2471



F2339



F2334R

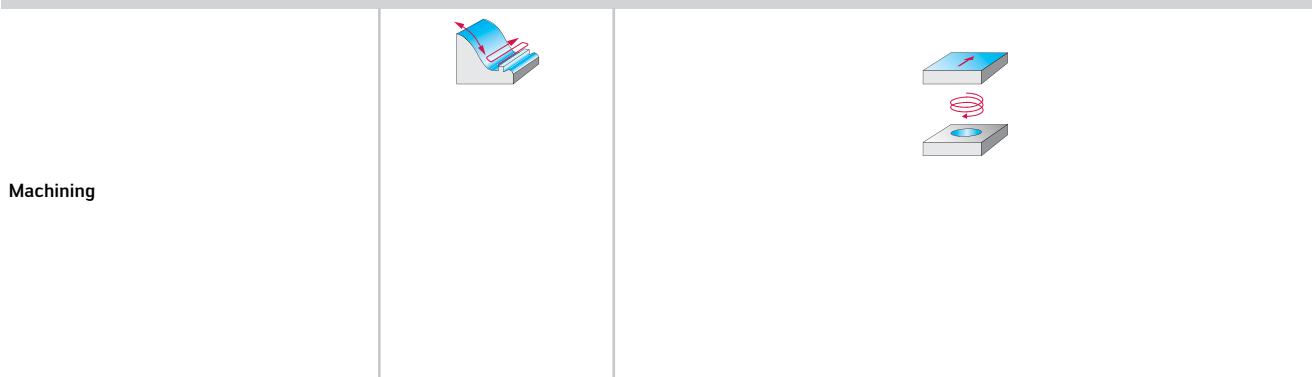


F2239

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
**WALTER SELECT**

●● Primary application ● Other application

## Copy milling cutters



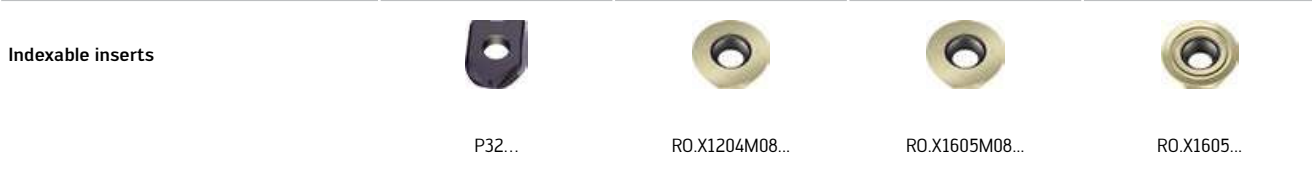
Machining



Designation	F2139		F2010		F2010		F2010	
Diameter range	20	—	83–318	3,122–12,118	83–318	3,118–12,118	83,3–318,3	—

Boring bar/adaptor type	F2139		F2010		F2010		F2010	
DIN 1835 B								
Cylindrical bore DIN 138			✓	✓	✓	✓	✓	
ScrewFit								
Cylindrical shank	✓							
Cylindrical modular								
Steep taper								
HSK								
NCT								

<b>P</b> Steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●	●●	●●	●●
<b>N</b> NF metals		●●	●●	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●	●●	●●	●●
<b>H</b> Hard materials	●●	●●	●●	●●	●●	●●	●●	●
<b>O</b> Other	●	●	●	●	●	●	●	●



Number of cutting edges	1	8	8	6
Max. depth of cut	10	6	8	8
Page in catalogue		434	430	430



www.walter-tools.com/woc/

**WALTER SELECT** ●● Primary application ● Other application

D2

## Profiling cutters

Machining								
	30°		45°		60°		90°	
Lead angle $\kappa$	30°		45°		60°		90°	



Designation	M4574		M4574		M4574		M4575	
Diameter range	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							✓	✓
Cylindrical bore DIN 138								
ScrewFit			✓					
Cylindrical shank	✓	✓	✓	✓	✓	✓		
Cylindrical modular			✓					
Steep taper								
HSK								
NCT								
<b>P</b> Steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●	●●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●	●●	●●	●●
<b>H</b> Hard materials								
<b>O</b> Other								

## Indexable inserts



SD... SD... SD... SD...

Number of cutting edges	4	4	4	4
Max. depth of cut	2,7 - 4	3,5 - 7,5	4,8 - 6,8	—
Page in catalogue				

## QR code



www.walter-tools.com/woc/

M4574

M4574

M4574

M4575

WALTER SELECT

●● Primary application ● Other application

# Profiling cutters

Machining



Lead angle $\kappa$	90°
---------------------	-----



Designation	F2036	
Diameter range	16-63	—
Boring bar/adaptor type		
DIN 1835 B	✓	
Cylindrical bore 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



P20200...

Number of cutting edges	2
Max. depth of cut	—
Page in catalogue	

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

F2036

# Shoulder milling cutters

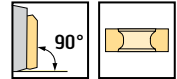
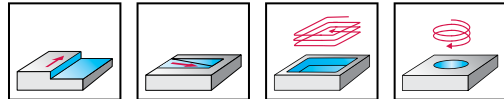
M5137 mm

TNMU11T3...

Xtra-tec® XT



– 6 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5137	●	●	●	●	●		

Tool	Designation	D <sub>c</sub> mm	d <sub>1</sub> mm	l <sub>4</sub> mm	l <sub>1</sub> mm	L <sub>c</sub> mm	Z	kg	No. of inserts	Type
	M5137-025-W25-03-05	25	25	40	96	5	3	0,3	3	TNMU11T3...
	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	
DIN 1835 B										
	M5137-040-B16-05-05	40	16	40		5	5	0,19	5	TNMU11T3...
	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	0,43	8	
	M5137-063-B22-07-05	63	22	40		5	7	0,48	7	
	M5137-063-B22-09-05	63	22	40		5	9	0,69	9	

Shell mill mount DIN 138 transverse keyway

Bodies and assembly parts are included in the scope of delivery

D2

WALTER SELECT

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊

### Assembly parts

	D <sub>c</sub> [mm]	25-63
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,9 Nm

### Accessories

	D <sub>c</sub> [mm]	25-63
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)

### Indexable inserts

Designation	Tolerance class	Number of cutting edges	r mm	b mm	P		M	K		S			
					HC	HC	HC	HC	HC				
					WKP25S	WKP35G	WKP35S	WSP45G	WSP45G	WKP25S	WKP35G	WKP35S	WSP45G
TNMU11T304R-G27	M	6	0,4	1	☺	☺	☺	☺	☺	☺	☺	☺	☺
TNMU11T308R-G27	M	6	0,8	0,8	☺	☺	☺	☺	☺	☺	☺	☺	☺
TNMU11T304R-G57	M	6	0,4	1	☺	☺	☺	☺	☺	☺	☺	☺	☺

HC = Coated carbide

# Shoulder milling cutters

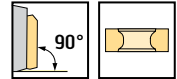
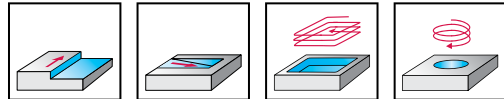
M5137 inch

TNMU11T3...

Xtra-tec® XT



– 6 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5137	●	●	●	●	●		

Tool	Designation	D <sub>c</sub> inch	d <sub>1</sub> inch	l <sub>4</sub> inch	l <sub>1</sub> inch	L <sub>c</sub> inch	Z	lbs	No. of inserts	Type
	M5137.026-W26-03-05	1,000	1,000	1,181	3,462	0,197	3	0,639	3	TNMU11T3...
	M5137.031-W31-04-05	1,250	1,250	1,181	3,462	0,197	4	1,014	4	
	M5137.031-W31-05-05	1,250	1,250	1,181	3,462	0,197	5	0,992	5	
DIN 1835 B										
	M5137.038-B19-05-05	1,500	0,750	1,500		0,197	5	0,331	5	TNMU11T3...
	M5137.038-B19-06-05	1,500	0,750	1,500		0,197	6	0,617	6	
	M5137.051-B19-06-05	2,000	0,750	1,500		0,197	6	0,728	6	
	M5137.051-B19-08-05	2,000	0,750	1,500		0,197	8	0,728	8	
	M5137.064-B26-07-05	2,500	1,000	1,500		0,197	7	1,759	7	
	M5137.064-B26-09-05	2,500	1,000	1,500		0,197	9	1,146	9	

Shell mill mount DIN 138 transverse keyway

Bodies and assembly parts are included in the scope of delivery

D2

WALTER SELECT

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊



### Assembly parts

	D <sub>c</sub> [inch]	1-1,25	1,5-2	2,5
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,664 lbs	FS2061 (T7IP) 0,664 lbs	FS2061 (T7IP) 0,664 lbs
	Clamping screw for arbour-mounted tools		FS1518	FS1519

### Accessories

	D <sub>c</sub> [inch]	1-2,5
	Torque screwdriver, analogue	FS2002
	Interchangeable blade	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)

### Indexable inserts

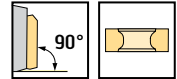
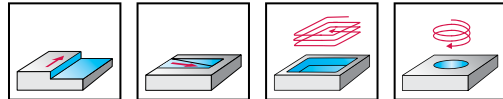
Designation	Tolerance class	Number of cutting edges	r inch	b inch	P		M	K		S			
					HC		HC	HC		HC			
					WKP25S	WKP35G	WKP35S	WSP45G	WSP45G	WKP25S	WKP35G	WKP35S	WSP45G
TNMU11T304R-G27	M	6	0,016	0,039	☺	☺	☺	☺	☺	☺	☺	☺	☺
TNMU11T308R-G27	M	6	0,031	0,030	☺	☺	☺	☺	☺	☺	☺	☺	☺
TNMU11T304R-G57	M	6	0,016	0,039	☺	☺	☺	☺	☺	☺	☺	☺	☺

HC = Coated carbide

## Shoulder milling cutters

**M5137** 
**TNMU1605...**
**Xtra-tec® XT**


– 6 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5137	●	●	●	●	●	●	●

Tool	Designation	D <sub>c</sub> mm	d <sub>1</sub> mm	l <sub>4</sub> mm	L <sub>c</sub> mm	Z	kg	No. of inserts	Type
<p>Shell mill mount DIN 138 transverse keyway</p>	M5137-050-B22-04-08	50	22	40	8	4	0,26	4	TNMU1605...
	M5137-050-B22-05-08	50	22	40	8	5	0,25	5	
	M5137-063-B22-05-08	63	22	40	8	5	0,66	5	
	M5137-063-B22-07-08	63	22	40	8	7	0,57	7	
	M5137-080-B27-07-08	80	27	50	8	7	1,13	7	
	M5137-080-B27-09-08	80	27	50	8	9	1,05	9	
	M5137-100-B32-08-08	100	32	50	8	8	2,42	8	
	M5137-100-B32-11-08	100	32	50	8	11	1,62	11	
	★ M5137-125-B40-11-08	125	40	63	8	11	3,23	11	
	★ M5137-125-B40-13-08	125	40	63	8	13	3,42	13	
<p>Shell mill mount DIN 138 transverse keyway</p>	★ M5137-160-B40-12-08	160	40	63	8	12	4,48	12	TNMU1605...
	★ M5137-160-B40-14-08	160	40	63	8	14	4,5	14	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	D <sub>c</sub> [mm] Clamping screw for indexable insert Tightening torque	50–160 FS2079 (T9IP) 2 Nm
--	---	---------------------------------

### Accessories

	D <sub>c</sub> [mm]	50–125	160
	Torque screwdriver, analogue	FS2003	FS2003
	Torque screwdriver, digital	FS2248	FS2248
	Interchangeable blade	FS2013 (T9IP)	FS2013 (T9IP)
	Screwdriver	FS1484 (T9IP)	FS1484 (T9IP)
	(incl. gasket + screws) Sealing disc set		FS936 SET KOMPLETT
	Gasket		O-R 96X4

### Indexable inserts

Designation	Tolerance class	Number of cutting edges	r mm	b mm	P		M		K		S		
					HC	HC	HC	HC	HC	HC			
					WKP25S	WKP35G	WKP35S	WSP45G	WSP45G	WKP25S	WKP35G	WKP35S	WSP45G
TNMU160508R-G27	M	6	0,8	1,6	☑	☑	☑	☑	☑	☑	☑	☑	☑
TNMU160512R-G27	M	6	1,2	1,3	☑	☑	☑	☑	☑	☑	☑	☑	☑
TNMU160516R-G27	M	6	1,6	0,9	☑	☑	☑	☑	☑	☑	☑	☑	☑
TNMU160508R-G57	M	6	0,8	1,6	☑	☑	☑	☑	☑	☑	☑	☑	☑

HC = Coated carbide

# Shoulder milling cutters

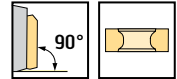
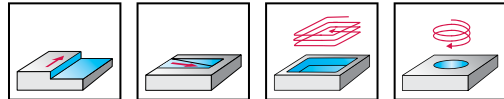
M5137 inch

TNMU1605...

Xtra-tec® XT



– 6 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5137	●●	●	●●	●	●	●	●

Tool	Designation	D <sub>c</sub> inch	d <sub>1</sub> inch	l <sub>4</sub> inch	L <sub>c</sub> inch	Z	lbs	No. of inserts	Type
 Shell mill mount DIN 138 transverse keyway	M5137.051-B19-04-08	2,000	0,750	1,500	0,315	4	0,639	4	TNMU1605...
	M5137.051-B19-05-08	2,000	0,750	1,500	0,315	5	0,617	5	
	M5137.064-B26-05-08	2,500	1,000	1,500	0,315	5	1,065	5	
	M5137.064-B26-07-08	2,500	1,000	1,500	0,315	7	1,014	7	
	M5137.076-B26-07-08	3,000	1,000	2,000	0,315	7	1,814	7	
	M5137.076-B26-09-08	3,000	1,000	2,000	0,315	9	1,764	9	
	M5137.102-B38-08-08	4,000	1,500	2,500	0,315	8	5,470	8	
	M5137.102-B38-11-08	4,000	1,500	2,500	0,315	11	5,445	11	
	★ M5137.127-B38-11-08	5,000	1,500	2,48	0,315	11	7,496	11	
	★ M5137.127-B38-13-08	5,000	1,500	2,48	0,315	13	7,518	13	
 Shell mill mount DIN 138 transverse keyway	★ M5137.152-B38-12-08	6,000	1,500	2,48	0,315	12	12,037	12	TNMU1605...
	★ M5137.152-B38-14-08	6,000	1,500	2,48	0,315	14	8,841	14	

Bodies and assembly parts are included in the scope of delivery

D2

WALTER SELECT

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊

### Assembly parts

D <sub>c</sub> [inch]		2	2,5-3	4-6
	Clamping screw for indexable insert Tightening torque	FS2079 (T9IP) 1,475 lbs	FS2079 (T9IP) 1,475 lbs	FS2079 (T9IP) 1,475 lbs
	Clamping screw for arbour-mounted tools	FS1518	FS1519	FS1583

### Accessories

D <sub>c</sub> [inch]		2-4	5-6
	Torque screwdriver, analogue	FS2004	FS2003
	Torque screwdriver, digital	FS2248	FS2248
	Interchangeable blade	FS2013 (T9IP)	FS2013 (T9IP)
	Screwdriver	FS1484 (T9IP)	FS1484 (T9IP)

### Indexable inserts

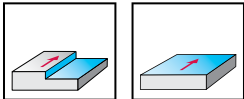
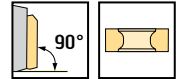
Designation	Tolerance class	Number of cutting edges	r inch	b inch	P		M		K		S		
					HC	HC	HC	HC	HC				
					WKP255	WKP356	WKP355	WSP456	WSP456	WKP255	WKP356	WKP355	WSP456
TNMU160508R-G27	M	6	0,031	0,063	☺	☺	☺	☺	☺	☺	☺	☺	☺
TNMU160512R-G27	M	6	0,047	0,051	☺	☺	☺	☺	☺	☺	☺	☺	☺
TNMU160516R-G27	M	6	0,063	0,035	☺	☺	☺	☺	☺	☺	☺	☺	☺
TNMU160508R-G57	M	6	0,031	0,063	☺	☺	☺	☺	☺	☺	☺	☺	☺

HC = Coated carbide

# Shoulder milling cutters

**F2010** 
**TNMU1605...**


- Adjustable runout
- 6 cutting edges per indexable insert



	P	M	K	N	S	H	O
F2010	●	●	●	●	●		

Tool	Designation	D <sub>c</sub> mm	d <sub>1</sub> mm	l <sub>4</sub> mm	L <sub>c</sub> mm	Z	kg	No. of inserts	Type
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.080.Z06.08.R769M	80	27	50	8	6	1,3	6	TNMU1605...
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.100.Z07.08.R769M	100	32	50	8	7	1,9	7	TNMU1605...
	★ F2010.B.125.Z08.08.R769M	125	40	63	8	8	3,6	8	
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.160.Z10.08.R769M	160	40	63	8	10	5,6	10	TNMU1605...
	★ F2010.B.200.Z12.08.R769M	200	60	63	8	12	8,3	12	
	★ F2010.B.250.Z12.08.R769M	250	60	63	8	12	14,8	12	
	★ F2010.B.250.Z16.08.R769M	250	60	63	8	16	14,6	16	
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.315.Z14.08.R769M	315	60	80	8	14	26,3	14	TNMU1605...
	★ F2010.B.315.Z18.08.R769M	315	60	80	8	18	26,2	18	

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊

### Assembly parts

	D <sub>c</sub> [mm]	80–315
	Cartridge for tool body	FR769M
	Clamping screw for cartridge Tightening torque	FS247 (SW 4) 8 Nm
	Clamping screw for indexable insert Tightening torque	FS1457 (T9IP) 2 Nm
	Adjusting pin	FS303 (T20)

### Accessories

	D <sub>c</sub> [mm]	80–315
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade for insert screw	FS2013 (T9IP)
	Torque T-handle	FS2041
	Interchangeable blade for cartridge	FS2051 (SW 4)
	Screwdriver for indexable insert	FS1484 (T9IP)
	Screwdriver for adjusting pin	FS228 (T20)
	ISO 2936 key for cartridge	ISO2936-4 (SW 4)

### Indexable inserts

Designation	Tolerance class	Number of cutting edges	r mm	b mm	P		M	K		S			
					HC	HC	HC	HC	HC				
					WKP25S	WKP35G	WKP35S	WSP45G	WSP45G	WKP25S	WKP35G	WKP35S	WSP45G
TNMU160508R-G27	M	6	0.8	1.6	☑	☑	☑	☑	☑	☑	☑	☑	☑
TNMU160512R-G27	M	6	1.2	1.3	☑	☑	☑	☑	☑	☑	☑	☑	☑
TNMU160516R-G27	M	6	1.6	0.9	☑	☑	☑	☑	☑	☑	☑	☑	☑
TNMU160508R-G57	M	6	0.8	1.6	☑	☑	☑	☑	☑	☑	☑	☑	☑

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement → Very good = ☑ → Good = ☑ → Moderate = ☑

☑ ☑ ☑ / \* = New addition to the product range

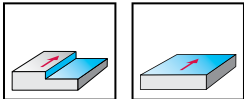
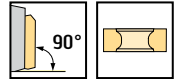
Shoulder milling cutters

423

# Shoulder milling cutters

**F2010** inch
**TNMU1605...**


- Adjustable runout
- 6 cutting edges per indexable insert



	P	M	K	N	S	H	O
F2010	●	●	●	●	●		

Tool	Designation	D <sub>c</sub> inch	d <sub>1</sub> inch	l <sub>4</sub> inch	L <sub>c</sub> inch	Z	lbs	No. of inserts	Type
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.076.Z06.08R769M	3,000	1,000	2,000	0,315	6	3,307	6	TNMU1605...
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.102.Z07.08R769M	4,000	1,250	2,000	0,315	7	5,732	7	TNMU1605...
	★ F2010.UB.127.Z08.08R769M	5,000	1,500	2,500	0,315	8	7,496	8	
	★ F2010.UB.152.Z10.08R769M	6,000	1,500	2,500	0,315	10	14,551	10	
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.203.Z12.08R769M	8,000	2,500	2,500	0,315	12	21,385	12	TNMU1605...
	★ F2010.UB.254.Z12.08R769M	10,000	2,500	2,500	0,315	12	36,376	12	
	★ F2010.UB.254.Z16.08R769M	10,000	2,500	2,500	0,315	16	36,376	16	
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.305.Z18.08R769M	12,000	2,500	2,500	0,315	18	45,636	18	TNMU1605...

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊



### Assembly parts

D <sub>c</sub> [inch]		3	4	5-6	8-12
	Cartridge for tool body	FR769M	FR769M	FR769M	FR769M
	Clamping screw for cartridge Tightening torque	FS247 (SW 4) 5,9 lbs	FS247 (SW 4) 5,9 lbs	FS247 (SW 4) 5,9 lbs	FS247 (SW 4) 5,9 lbs
	Clamping screw for indexable insert Tightening torque	FS2079 (T9IP) 1,475 lbs	FS2079 (T9IP) 1,475 lbs	FS2079 (T9IP) 1,475 lbs	FS2079 (T9IP) 1,475 lbs
	Adjusting pin	FS303 (T20)	FS303 (T20)	FS303 (T20)	FS303 (T20)
	Clamping screw for arbour-mounted tools	FS1519	FS1565	FS1566	

### Accessories

D <sub>c</sub> [inch]		3-12
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade for insert screw	FS2013 (T9IP)
	Torque T-handle	FS2042
	Interchangeable blade for cartridge	FS2051 (SW 4)
	Screwdriver for indexable insert	FS1484 (T9IP)
	Screwdriver for adjusting pin	FS228 (T20)
	ISO 2936 key for cartridge	ISO2936-4 (SW 4)

### Indexable inserts

Designation	Tolerance class	Number of cutting edges	r inch	b inch	P				M		K		S
					HC				HC	HC		HC	
					WKP25S	WKP35G	WKP35S	WSP45G	WSP45G	WKP25S	WKP35G	WKP35S	WSP45G
	TNMU160508R-G27	M	6	0,031	0,063	☺	☺	☺	☺	☺	☺	☺	☺
	TNMU160512R-G27	M	6	0,047	0,051	☺	☺	☺	☺	☺	☺	☺	☺
	TNMU160516R-G27	M	6	0,063	0,035	☺	☺	☺	☺	☺	☺	☺	☺
	TNMU160508R-G57	M	6	0,031	0,063	☺	☺	☺	☺	☺	☺	☺	☺

HC = Coated carbide

WALTER SELECT

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

# Helical milling cutters

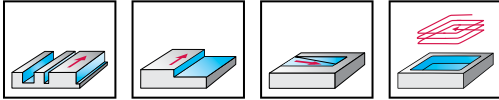
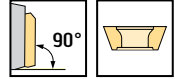
M5250

BC .. 1605 .. R

Xtra-tec® XT

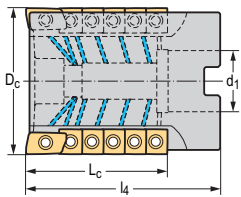


- Full effective design
- 2 or 4 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5250	●	●	●	●	●		●

## Tool



Shell mill mount DIN 138 transverse keyway

Designation	D <sub>c</sub> mm	d <sub>1</sub> mm	l <sub>4</sub> mm	L <sub>c</sub> mm	Z	kg	No. of inserts	Type
★ M5250-050-B22-03-43-16	50	22	60	43	3	0,4	3 / 9	BC .. 1605 .. R SC .. 1105 ..
★ M5250-050-B22-03-62-16	50	22	80	62	3	0,53	3 / 15	
★ M5250-063-B27-04-43-16	63	27	65	43	4	0,81	4 / 12	
★ M5250-063-B27-04-62-16	63	27	85	62	4	1,05	4 / 20	
★ M5250-080-B32-05-62-16	80	32	85	62	5	1,87	5 / 25	
★ M5250-080-B32-05-80-16	80	32	105	80	5	2,32	5 / 35	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	D <sub>c</sub> [mm]	50	63	80
	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	M10X045 ISO4762 12.9 (SW 8)	M12X050 ISO4762 12.9 (SW 10)	M16X070 ISO4762 12.9 (SW 14)

### Accessories

	D <sub>c</sub> [mm]	50-80
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)
	Screwdriver	FS1485 (T15IP)

### Indexable inserts

Designation	Tolerance class	Number of cutting edges	b mm	P		M		K		N		S		
				HC	HC	HC	HC	HC	HW	HC	HC			
				WKP35G	WKP35S	WSP45G	WSM45X	WSP45G	WKP35G	WKP35S	WXN15	WN15	WSM45X	WSP45G
BCGT160508R-G51	G	2	2	☒	☒	☒		☒	☒	☒				☒
BCHT160508R-K85	H	2	2								☒			
BCHT160512R-K85	H	2	1.7								☒			
BCHT160516R-K85	H	2	1.7								☒			
BCHT160520R-K85	H	2	1.5								☒			
BCHT160525R-K85	H	2	1.4								☒			
BCHT160530R-K85	H	2	1.2								☒			
BCHT160540R-K85	H	2	1.1								☒			
BCMT160508R-F55	M	2	2	☒	☒	☒		☒	☒	☒				☒
BCMT160508R-G55	M	2	2	☒	☒	☒		☒	☒	☒				☒
BCMT160512R-G55	M	2	1.7	☒	☒	☒		☒	☒	☒				☒
BCMT160516R-G55	M	2	1.5	☒	☒	☒		☒	☒	☒				☒
BCMT160520R-G55	M	2	1.5	☒	☒	☒		☒	☒	☒				☒
BCMT160525R-G55	M	2	1.4	☒	☒	☒		☒	☒	☒				☒
BCMT160530R-G55	M	2	1.2	☒	☒	☒		☒	☒	☒				☒
BCMT160532R-G55	M	2	1.1	☒	☒	☒		☒	☒	☒				☒
BCMT160540R-G55	M	2	1.1	☒	☒	☒		☒	☒	☒				☒
BCMT160550R-G55	M	2	0.7	☒	☒	☒		☒	☒	☒				☒
BCMT160560R-G55	M	2	0.1	☒	☒	☒		☒	☒	☒				☒
BCMT160508R-G55W	M	2	2			☒	☒	☒	☒	☒				☒
BCMT160516R-G55W	M	2	1.5			☒	☒	☒	☒	☒				☒
BCMT160530R-G55W	M	2	1.2			☒	☒	☒	☒	☒				☒
SCGT110502-G51	G	4		☒	☒	☒		☒	☒	☒				☒
SCHT110502-K85	H	4									☒	☒		
SCMT110502-F55	M	4		☒	☒	☒		☒	☒	☒				☒
SCMT110502-G55	M	4		☒	☒	☒		☒	☒	☒				☒
SCMT110502-G55W	M	4				☒	☒	☒	☒	☒				☒

HC = Coated carbide  
HW = Uncoated carbide

# Helical milling cutters

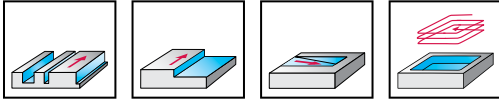
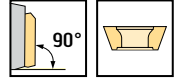
M5250 inch

BC .. 1605 .. R

Xtra-tec® XT

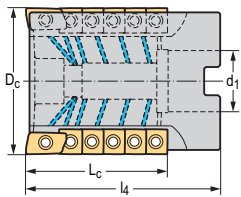


- Full effective design
- 2 or 4 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5250	●	●	●	●	●		●

## Tool



Shell mill mount DIN 138 transverse keyway

Designation	D <sub>c</sub> inch	d <sub>1</sub> inch	l <sub>4</sub> inch	L <sub>c</sub> inch	Z	lbs	No. of inserts	Type
★ M5250.051-B19-03-62-16	2,000	0,750	3,150	2,441	3	1,305	3 / 15	BC .. 1605 .. R SC .. 1105 ..
★ M5250.051-B26-03-52-16	2,000	1,000	3,150	2,047	3	1,285	3 / 12	
★ M5250.064-B26-04-62-16	2,500	1,000	3,346	2,441	4	2,458	4 / 20	
★ M5250.076-B31-05-80-16	3,000	0,500	4,134	3,150	5	4,599	5 / 35	

Bodies and assembly parts are included in the scope of delivery

D2

WALTER SELECT

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊

### Assembly parts

	D <sub>c</sub> [inch]	2	2,5	3
	Clamping screw for indexable insert Tightening torque	FS2300 (T15IP) 2,581 lbs	FS2300 (T15IP) 2,581 lbs	FS2300 (T15IP) 2,581 lbs
	Clamping screw for arbour-mounted tools	FS2673	FS1614	FS2599

### Accessories

	D <sub>c</sub> [inch]	2-3
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)
	Screwdriver	FS1485 (T15IP)

### Indexable inserts

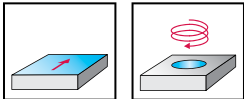
Designation	Tolerance class	Number of cutting edges	b inch	P		M		K		N		S	
				HC		HC		HC		HC		HC	
				WKP35G	WKP35S	WSP45G	WSM45X	WSP45G	WKP35G	WKP35S	WXN15	WN15	WSM45X
BCGT160508R-G51	G	2	0,079	☞	☞	☞		☞	☞				☞
BCHT160508R-K85	H	2	0,079							☞			
BCHT160512R-K85	H	2	0,067							☞			
BCHT160516R-K85	H	2	0,067							☞			
BCHT160520R-K85	H	2	0,059							☞			
BCHT160525R-K85	H	2	0,055							☞			
BCHT160530R-K85	H	2	0,047							☞			
BCHT160540R-K85	H	2	0,043							☞			
BCMT160508R-F55	M	2	0,079	☞	☞	☞		☞	☞				☞
BCMT160508R-G55	M	2	0,079	☞	☞	☞		☞	☞				☞
BCMT160512R-G55	M	2	0,067	☞	☞	☞		☞	☞				☞
BCMT160516R-G55	M	2	0,059	☞	☞	☞		☞	☞				☞
BCMT160520R-G55	M	2	0,059	☞	☞	☞		☞	☞				☞
BCMT160525R-G55	M	2	0,055	☞	☞	☞		☞	☞				☞
BCMT160530R-G55	M	2	0,047	☞	☞	☞		☞	☞				☞
BCMT160532R-G55	M	2	0,043	☞	☞	☞		☞	☞				☞
BCMT160540R-G55	M	2	0,043	☞	☞	☞		☞	☞				☞
BCMT160550R-G55	M	2	0,028	☞	☞	☞		☞	☞				☞
BCMT160560R-G55	M	2	0,004	☞	☞	☞		☞	☞				☞
BCMT160508R-G55W	M	2	0,079			☞	☞	☞	☞				☞
BCMT160516R-G55W	M	2	0,059			☞	☞	☞	☞				☞
BCMT160530R-G55W	M	2	0,047			☞	☞	☞	☞				☞
SCGT110502-G51	G	4		☞	☞	☞		☞	☞				☞
SCHT110502-K85	H	4								☞	☞		
SCMT110502-F55	M	4		☞	☞	☞		☞	☞				☞
SCMT110502-G55	M	4		☞	☞	☞		☞	☞				☞
SCMT110502-G55W	M	4				☞	☞	☞	☞				☞

HC = Coated carbide  
HW = Uncoated carbide

# Copy milling cutters with round inserts

**F2010** mm
**RO . X1605M8**


- Adjustable runout
- 8 cutting edges per indexable insert, with indexing surfaces



	P	M	K	N	S	H	O
F2010	●	●	●	●	●	●	●

Tool	Designation	D <sub>c</sub> mm	D <sub>a</sub> mm	d <sub>1</sub> mm	l <sub>4</sub> mm	L <sub>c</sub> mm	Z	kg	No. of inserts	Type
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.080.Z06.08.R770M	67	83	27	52	8	6	1,29	6	RO . X1605M8
	★ F2010.B.100.Z07.08.R770M	87	103	32	52	8	7	1,84	7	RO . X1605M8
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.125.Z08.08.R770M	112	128	40	65	8	8	3,56	8	RO . X1605M8
	★ F2010.B.160.Z10.08.R770M	147	163	40	65	8	10	5,6	10	RO . X1605M8
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.200.Z12.08.R770M	187	203	60	65	8	12	8,71	12	RO . X1605M8
	★ F2010.B.250.Z12.08.R770M	237	253	60	65	8	12	16,2	12	RO . X1605M8
	★ F2010.B.250.Z16.08.R770M	237	253	60	65	8	16	16,3	16	RO . X1605M8
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.315.Z14.08.R770M	302	318	60	82	8	14	35	14	RO . X1605M8
	★ F2010.B.315.Z18.08.R770M	302	318	60	82	8	18	23	18	RO . X1605M8

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊

### Assembly parts

	D <sub>c</sub> [mm]	67-302
	Cartridge for tool body	FR770M
	Clamping screw for cartridge Tightening torque	FS247 (SW 4) 8 Nm
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm
	Adjusting pin	FS303 (T20)

### Accessories

	D <sub>c</sub> [mm]	67-302
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade for insert screw	FS2015 (T20IP)
	Torque T-handle	FS2041
	Interchangeable blade for cartridge	FS2051 (SW 4)
	Screwdriver for indexable insert	FS1486 (T20IP)
	Screwdriver for adjusting pin	FS228 (T20)
	ISO 2936 key for cartridge	ISO2936-4 (SW 4)

### Indexable inserts

Designation	Tolerance class	Number of cutting edges	d mm	P					M			K				N		S		H
				HC					HC			HC				HC	HW	HC		HC
				WHH15X	WKP25S	WKP35G	WKP35S	WSP45G	WSM35G	WSM45X	WSP45G	WHH15X	WKK25G	WKP25S	WKP35G	WKP35S	WKN15	WK10	WSM35G	WSM45X
ROGX1605M08-G88	G	8	16											☺	☺					
ROHX1605M08-A57	H	8	16	☺	☺	☺	☺							☺						☺
ROMX1605M08-D57	M	8	16		☺	☺	☺	☺												
ROMX1605M08-F67	M	8	16					☺												
ROMX1605M0T8-A27	M	8	16	☺	☺	☺														

HC = Coated carbide  
HW = Uncoated carbide

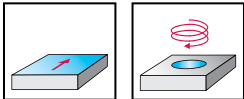
#### WALTER SELECT

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

# Copy milling cutters with round inserts

**F2010**    inch
**RO . X1605M8**


- Adjustable runout
- 8 cutting edges per indexable insert, with indexing surfaces



	P	M	K	N	S	H	O
F2010	●	●	●	●	●	●	●

Tool	Designation	D <sub>c</sub> inch	D <sub>a</sub> inch	d <sub>1</sub> inch	l <sub>4</sub> inch	L <sub>c</sub> inch	Z	lbs	No. of inserts	Type
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.076.Z06.08R770M	2,488	3,118	1,000	2,038	0,315	6	2,513	6	RO . X1605M8
	★ F2010.UB.102.Z07.08R770M	3,488	4,118	1,250	2,083	0,315	7	5,732	7	RO . X1605M8
	★ F2010.UB.127.Z08.08R770M	4,488	5,118	1,500	2,580	0,315	8	7,496	8	
	★ F2010.UB.152.Z10.08R770M	5,488	6,079	1,500	2,580	0,315	10	13,095	10	
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.203.Z12.08R770M	7,488	8,118	2,500	2,580	0,315	12	23,942	12	RO . X1605M8
	★ F2010.UB.254.Z12.08R770M	9,488	10,118	2,500	2,580	0,315	12	40,345	12	
	★ F2010.UB.254.Z16.08R770M	9,488	10,118	2,500	2,580	0,315	16	39,066	16	
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.305.Z18.08R770M	11,488	12,118	2,500	2,580	0,315	18	48,81	18	RO . X1605M8

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊



### Assembly parts

D <sub>c</sub> [inch]		2,488	3,488	4,488–5,488	7,488–11,488
	Cartridge for tool body	FR770M	FR770M	FR770M	FR770M
	Clamping screw for cartridge Tightening torque	FS247 (SW 4) 5,9 lbs	FS247 (SW 4) 5,9 lbs	FS247 (SW 4) 5,9 lbs	FS247 (SW 4) 5,9 lbs
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 3,688 lbs	FS1495 (T20IP) 3,688 lbs	FS1495 (T20IP) 3,688 lbs	FS1495 (T20IP) 3,688 lbs
	Adjusting pin	FS303 (T20)	FS303 (T20)	FS303 (T20)	FS303 (T20)
	Clamping screw for arbour-mounted tools	FS1519	FS1565	FS1566	

### Accessories

D <sub>c</sub> [inch]		2,488–11,488
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade for insert screw	FS2015 (T20IP)
	Torque T-handle	FS2042
	Interchangeable blade for cartridge	FS2051 (SW 4)
	Screwdriver for indexable insert	FS1486 (T20IP)
	Screwdriver for adjusting pin	FS228 (T20)
	ISO 2936 key for cartridge	ISO2936-4 (SW 4)

### Indexable inserts

Designation	Tolerance class	Number of cutting edges	d inch	P					M			K				N		S			H
				WHH15X	WKP25S	WKP35G	WKP35S	WSP45G	WSM35G	WSM45X	WSP45G	WHH15X	WKP25G	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35G	WSM45X	WSP45G
ROGX1605M08-G88	G	8	0,630																		
ROHX1605M08-A57	H	8	0,630	☺	☺	☺	☺					☺	☺	☺	☺	☺					☺
ROMX1605M08-D57	M	8	0,630		☺	☺	☺	☺				☺	☺	☺	☺					☺	☺
ROMX1605M08-F67	M	8	0,630		☺	☺	☺	☺				☺	☺	☺	☺					☺	☺
ROMX1605M08-A27	M	8	0,630	☺	☺	☺						☺	☺	☺	☺					☺	☺

HC = Coated carbide  
HW = Uncoated carbide

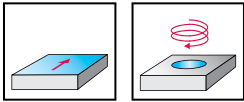
### WALTER SELECT

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

# Copy milling cutters with round inserts

**F2010** mm
**RO . X1204M8**


- Adjustable runout
- 8 cutting edges per indexable insert, with indexing surfaces



	P	M	K	N	S	H	O
F2010	●	●	●	●	●	●	●

Tool	Designation	D <sub>c</sub> mm	D <sub>a</sub> mm	d <sub>1</sub> mm	l <sub>4</sub> mm	L <sub>c</sub> mm	Z	kg	No. of inserts	Type
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.080.Z06.06.R771M	71	83	27	52	6	6	1,29	6	RO . X1204M8
	★ F2010.B.100.Z07.06.R771M	91	103	32	52	6	7	1,84	7	RO . X1204M8
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.125.Z08.06.R771M	116	128	40	65	6	8	3,56	8	RO . X1204M8
	★ F2010.B.160.Z10.06.R771M	151	163	40	65	6	10	5,6	10	RO . X1204M8
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.200.Z12.06.R771M	191	203	60	65	6	12	8,71	12	RO . X1204M8
	★ F2010.B.250.Z12.06.R771M	241	253	60	65	6	12	16,2	12	RO . X1204M8
	★ F2010.B.250.Z16.06.R771M	241	253	60	65	6	16	16,3	16	RO . X1204M8
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.B.315.Z14.06.R771M	306	318	60	82	6	14	35	14	RO . X1204M8
	★ F2010.B.315.Z18.06.R771M	306	318	60	82	6	18	23	18	RO . X1204M8

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊

### Assembly parts

	D <sub>c</sub> [mm]	71-306
	Cartridge for tool body	FR771M
	Clamping screw for cartridge Tightening torque	FS247 (SW 4) 8 Nm
	Clamping screw for indexable insert Tightening torque	FS1453 (T15IP) 3,5 Nm
	Adjusting pin	FS303 (T20)

### Accessories

	D <sub>c</sub> [mm]	71-306
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade for insert screw	FS2014 (T15IP)
	Torque T-handle	FS2041
	Interchangeable blade for cartridge	FS2051 (SW 4)
	Screwdriver for indexable insert	FS1485 (T15IP)
	Screwdriver for adjusting pin	FS228 (T20)
	ISO 2936 key for cartridge	ISO2936-4 (SW 4)

### Indexable inserts

Designation	Tolerance class	Number of cutting edges	d mm	P					M			K				N		S		H
				HC					HC			HC				HC	HW	HC		HC
				WHH15X	WKP25S	WKP35G	WKP35S	WSP45G	WSM35G	WSM45X	WSP45G	WHH15X	WKK25G	WKP25S	WKP35G	WKP35S	WKN15	WK10	WSM35G	WSM45X
ROGX1204M08-G88	G	8	12											☺	☺					
ROHX1204M08-A57	H	8	12	☺	☺	☺	☺							☺						☺
ROMX1204M08-D57	M	8	12		☺	☺	☺	☺												
ROMX1204M08-F67	M	8	12																	
ROMX1204M0T8-A27	M	8	12	☺	☺	☺	☺													

HC = Coated carbide  
HW = Uncoated carbide

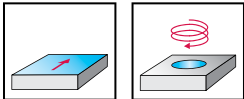
### WALTER SELECT

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

# Copy milling cutters with round inserts

**F2010**    **inch**
**RO . X1204M8**


- Adjustable runout
- 8 cutting edges per indexable insert, with indexing surfaces



	P	M	K	N	S	H	O
F2010	●	●	●	●	●	●	●

Tool	Designation	D <sub>c</sub> inch	D <sub>a</sub> inch	d <sub>1</sub> inch	l <sub>4</sub> inch	L <sub>c</sub> inch	Z	lbs	No. of inserts	Type
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.076.Z06.06R771M	3,646	4,118	1,000	2,038	0,236	6	2,513	6	RO . X1204M8
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.102.Z07.06R771M	2,650	3,122	1,250	2,083	0,236	7	5,732	7	RO . X1204M8
	★ F2010.UB.127.Z08.06R771M	4,724	5,197	1,500	2,580	0,236	8	7,496	8	
	★ F2010.UB.152.Z10.06R771M	5,646	6,118	1,500	2,580	0,236	10	13,095	10	
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.203.Z12.06R771M	7,646	8,118	2,500	2,580	0,236	12	23,942	12	RO . X1204M8
	★ F2010.UB.254.Z12.06R771M	9,646	10,118	2,500	2,580	0,236	12	40,345	12	
	★ F2010.UB.254.Z16.06R771M	9,646	10,118	2,500	2,580	0,236	16	39,066	16	
<p>Shell mill mount DIN 138 transverse keyway</p>	★ F2010.UB.305.Z18.06R771M	11,646	12,118	2,500	2,580	0,236	18	48,81	18	RO . X1204M8

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊

### Assembly parts

	D <sub>c</sub> [inch]	2,65	3,646	4,724–5,646	7,646–11,646
	Cartridge for tool body	FR771M	FR771M	FR771M	FR771M
	Clamping screw for cartridge Tightening torque	FS247 (SW 4) 5,9 lbs	FS247 (SW 4) 5,9 lbs	FS247 (SW 4) 5,9 lbs	FS247 (SW 4) 5,9 lbs
	Clamping screw for indexable insert Tightening torque	FS1453 (T15IP) 2,581 lbs	FS1453 (T15IP) 2,581 lbs	FS1453 (T15IP) 2,581 lbs	FS1453 (T15IP) 2,581 lbs
	Adjusting pin	FS303 (T20)	FS303 (T20)	FS303 (T20)	FS303 (T20)
	Clamping screw for arbour-mounted tools	FS1565	FS1519	FS1566	

### Accessories

	D <sub>c</sub> [inch]	2,65–11,646
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade for insert screw	FS2014 (T15IP)
	Torque T-handle	FS2042
	Interchangeable blade for cartridge	FS2051 (SW 4)
	Screwdriver for indexable insert	FS1485 (T15IP)
	Screwdriver for adjusting pin	FS228 (T20)
	ISO 2936 key for cartridge	ISO2936-4 (SW 4)

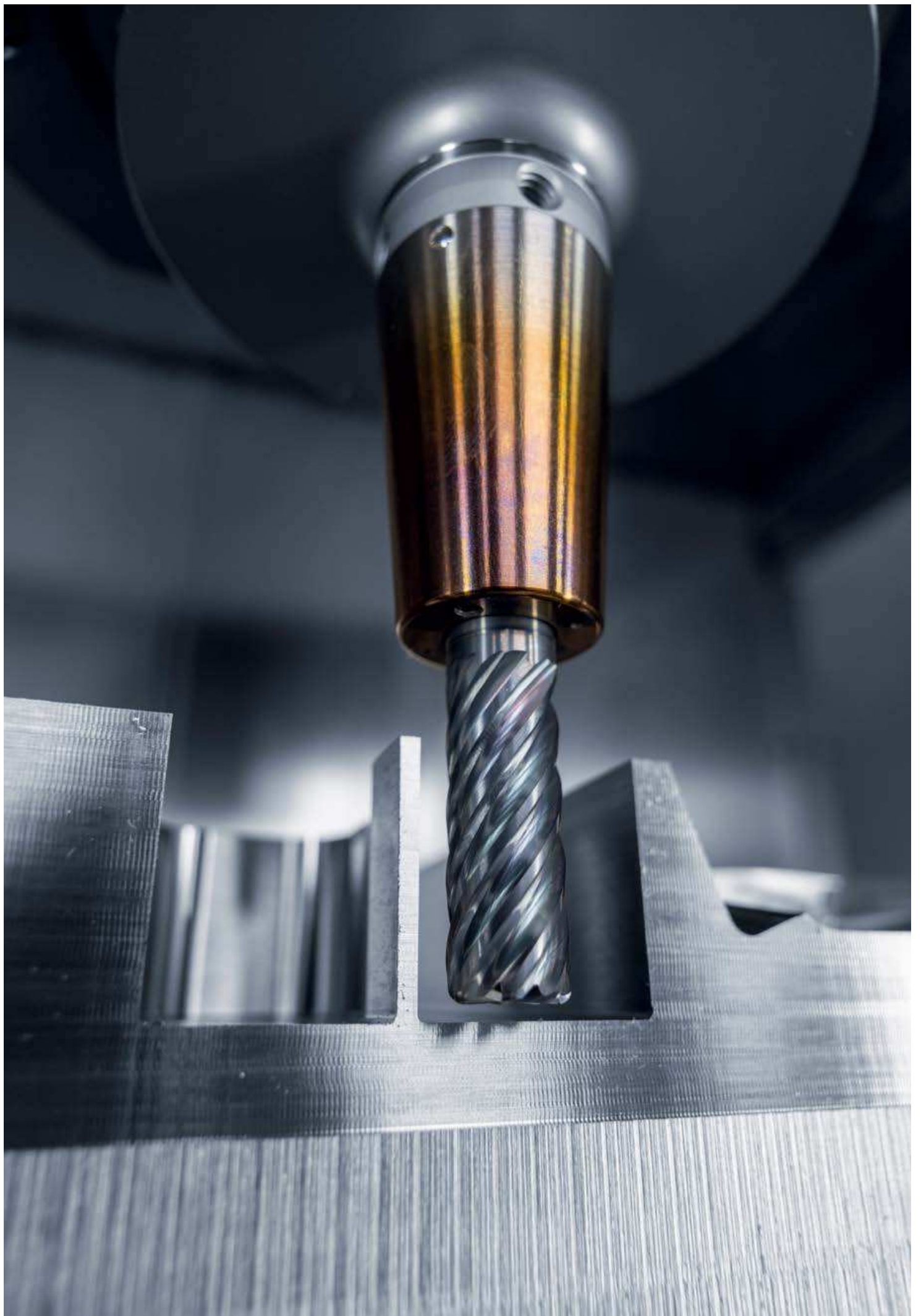
### Indexable inserts

Designation	Tolerance class	Number of cutting edges	d inch	P				M			K				N		S			H	
				WHH15X	WKP25S	WKP35G	WKP35S	WSP45G	WSM35G	WSM45X	WSP45G	WHH15X	WKK25G	WKP25S	WKP35G	WKP35S	WXN15	WKL10	WSM35G	WSM45X	WSP45G
ROGX1204M08-G88	G	8	0,472																		
ROHX1204M08-A57	H	8	0,472	☺	☺	☺	☺					☺	☺	☺	☺	☺					☺
ROMX1204M08-D57	M	8	0,472		☺	☺	☺	☺				☺	☺	☺	☺					☺	☺
ROMX1204M08-F67	M	8	0,472					☺				☺	☺	☺	☺					☺	☺
ROMX1204M08-A27	M	8	0,472	☺	☺	☺						☺	☺	☺	☺					☺	☺

HC = Coated carbide  
HW = Uncoated carbide

### WALTER SELECT

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



## E – Boring bars/adaptors

### E1: Stationary boring bars/adaptors

Page

<b>Stationary boring bars/adaptors</b>	Product range overview	
	Walter Capto™ clamping units	440
	Walter Capto™ boring bars/adaptors	441
	VDI boring bars/adaptors, one-piece	443
	Machine-specific adaptors, one-piece	444
	Accure-tec vibration-damped boring bar adaptor – QuadFit	445
	Boring bars – QuadFit exchangeable head	446

### E2: Rotating boring bars/adaptors

Page

<b>Rotating boring bars/adaptors</b>	Product range overview	
	Walter Capto™ boring bars/adaptors	448
	Walter NCT boring bars/adaptors	450
	ScrewFit adaption for front pieces	453
	ConeFit adaptors for milling cutter heads	455
	Boring bars/adaptors, one-piece – HSK, SK	456
	Accure-tec vibration-damped milling cutter adaptors	460

### E2: Assembly parts and accessories – General adaptors

Page

<b>Assembly parts and accessories – General adaptors</b>	Product range overview	
	Assembly parts and accessories – General adaptors	462

## Walter Capto™ adaptors



VDI DIN 69880 clamping units



Clamping units



Clamping units



Clamping units

Designation	TYP 2030 / 2040 / 2050 / 2060	Typ 2080 / 2085	Typ 2000	TYP 2090
Machine-side	VDI DIN 69880	Square shank	Parallel shank with clamping surface	Bushing clamp
Tool-side	C3 - C6	C3 - C5	C3 - C5	C3 - C8

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

TYP2030

TYP2080

TYP3000

TYP2090



# Walter Capto™ adaptors



HSK DIN 69893-1 A master



DIN 69871 AD/B master



MAS-BT JIS B 6339 AD/B master



DIN 69871 AD/B master

Designation	AB584-HSK-MASTER	C.-390B.140	C.-390B.55 + C.-390B.58	C.-390B.540 + C.-390.540
Machine-side	HSK DIN 69893-1 A	SK DIN 69871 AD/B	JIS B 6339 AD/B	SK DIN 69871 AD/B
Tool-side	C3 - C8	C3 - C8	C3 - C8	C3 - C8

Page in catalogue

QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	AB584-HSK-MASTER	C-390B-140	C-390B-55	C-390B-540



MAS-BT JIS B 6339 AD/B master



ASME B5.50 master



Extension



Reduction adaptor

Designation	C.-390B.555 + C.-390B.558	C.-A390B.45	C.-391.01	C.-391.02
Machine-side	SK DIN 69871 AD/B	ASME B 5.50	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623
Tool-side	C3 - C8	C3 - C8	C3 - C8	C3 - C6

Page in catalogue

QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	C-390B-555	C-A390B-45	C-391-01	C-391-02

## Walter Capto™ adaptors



Axial adaptor



Walter Capto™ – Axial adaptor



Radial adaptor



Walter Capto™ – Radial adaptor

Designation	C.-ASH	A2120-C...-P	C.-ASHA	A2121-C...-P
Machine-side	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623
Tool-side	20 x 20 - 3/4 x 3/4	20 x 20 - 25 x 25	32 x 25 - 32 x 32	20 x 20 - 25 x 25

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/C.-ASH">www.walter-tools.com/woc/C.-ASH</a>	<a href="http://www.walter-tools.com/woc/A2120-C-P">www.walter-tools.com/woc/A2120-C-P</a>	<a href="http://www.walter-tools.com/woc/C.-ASHA">www.walter-tools.com/woc/C.-ASHA</a>	<a href="http://www.walter-tools.com/woc/A2121-C-P">www.walter-tools.com/woc/A2121-C-P</a>



Walter Capto™ Adaptor – vibration damped

Designation	A3000-C
Machine-side	Walter Capto™ in acc. with ISO 26623
Tool-side	Q25 - Q50

Page in catalogue

QR code	
	<a href="http://www.walter-tools.com/woc/A3000-C">www.walter-tools.com/woc/A3000-C</a>

## VDI adaptors, one-piece



Master VDI DIN 69880



VDI adaptor – DIN 69880 shank tools



VDI adaptor – DIN 69880 shank tools



VDI adaptor – DIN 69880 parting blades

Designation	AK135M	A2120-V...-P	A2121-V...-P	A2110-V...-P
Machine-side	VDI DIN 69880	VDI DIN 69880	VDI DIN 69880	VDI DIN 69880
Tool-side	80	20 x 20 - 25 x 25	20 x 20 - 25 x 25	26R - 32R

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)      AK135M      A2120-V-P      A2121-V-P      A2110-V-P



VDI adaptor – DIN 69880 parting blades

Designation	A2111-V...-P
Machine-side	VDI DIN 69880
Tool-side	26R - 32R

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)      A2111-V-P

## Machine-specific adaptors, one-piece



Doosan adaptor – DIN 69880 shank tools



BMT adaptor – DIN 69880 shank tools



BMT adaptor – Parting blades



Nakamura adaptor – Parting blades

Designation	A2120-D0...-P	A2120-BT...-P	A2110-BT...-P	A2110-NA...-P
Machine-side	Doosan	BMT	BMT	Nakamura
Tool-side	25 x 25	20 x 20 - 25 x 25	26R - 32R	32R

Page in catalogue

QR code



A2120-D0-P



A2120-BT-P



A2110-BT-P



A2110-NA-P

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

## Accure-tec® vibration-damped boring bar adaptor– QuadFit™



Cylinder shaft adaptor – vibration damped



Cylinder shaft adaptor – vibration damped



Walter Capto™ Adaptor – vibration damped



Walter Capto™ Adaptor – vibration damped

<b>Designation</b>	A3000	A3001	A3000-C	A3001-C
<b>Machine-side</b>	Parallel shank with clamping surface	Cylindrical shank	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623
<b>Tool-side</b>	Q25 - Q50	QL60 - QL100	Q25 - Q50	QL60 - QL80

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A3000

A3001

A3000-C

A3001-C



HSK-T adaptor – vibration damped



HSK-T adaptor – vibration damped

<b>Designation</b>	A3000-HSK-T	A3001-HSK-T
<b>Machine-side</b>	HSK DIN 69893-7	HSK DIN 69893-7
<b>Tool-side</b>	Q25 - Q50	QL60 - QL80

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A3000-HSK-T

A3001-HSK-T

## Boring bars - QuadFit



Cylindrical shank - QuadFit

Designation	A2100
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Machine-side Parallel shank with clamping surface

Tool-side	Q40 - QL60
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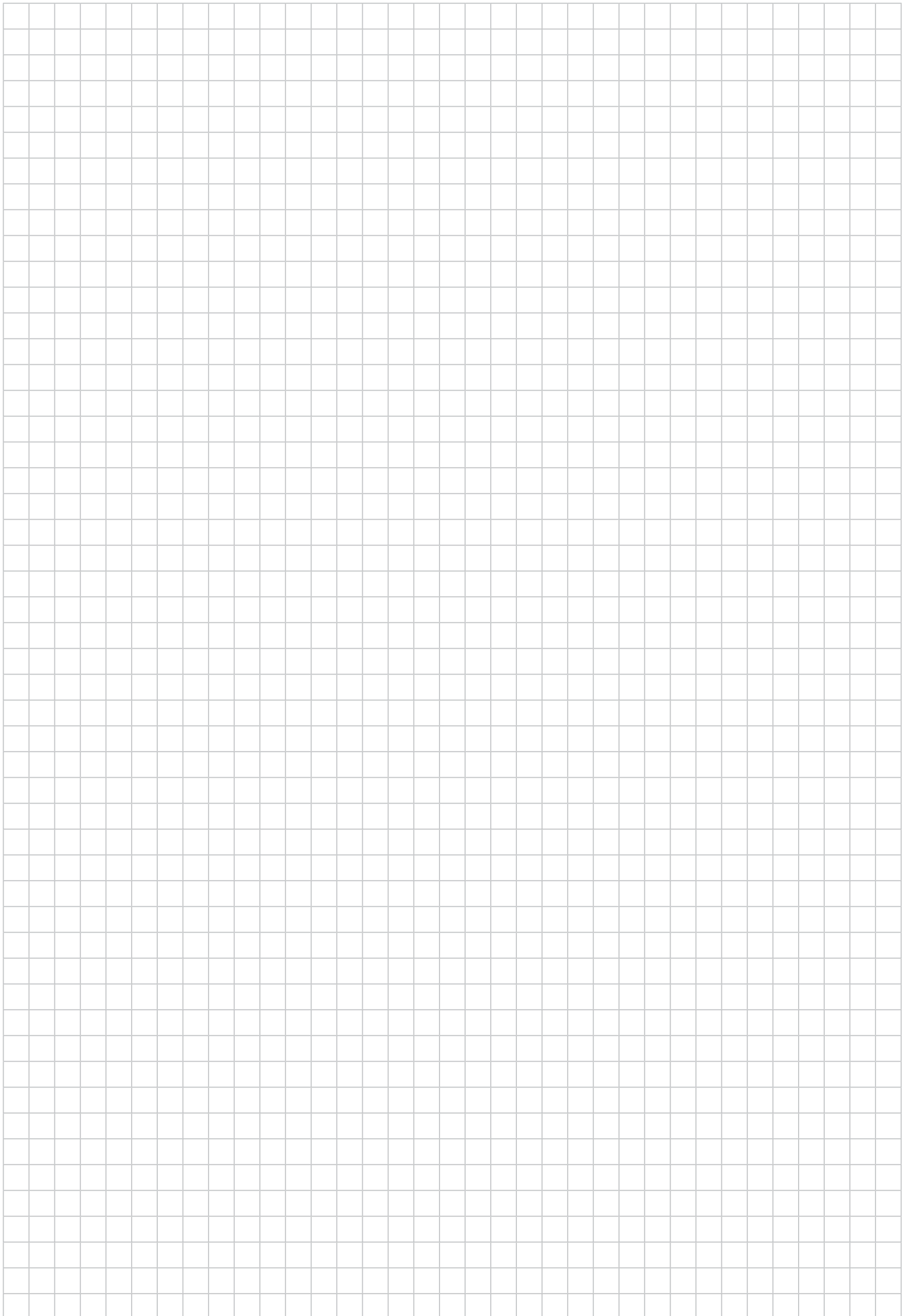
Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A2100



## Walter Capto™ adaptors



HSK DIN 69893-1 A master



DIN 69871 AD/B master



MAS-BT JIS B 6339 AD/B master



DIN 69871 AD/B master

Designation	AB584-HSK-MASTER	C.-390B.140	C.-390B.55 + C.-390B.58	C.-390B.540 + C.-390.540
Machine-side	HSK DIN 69893-1 A	SK DIN 69871 AD/B	JIS B 6339 AD/B	SK DIN 69871 AD/B
Tool-side	C3 - C8	C3 - C8	C3 - C8	C3 - C8

Page in catalogue

QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	AB584-HSK-MASTER	C-390B-140	C-390B-55	C-390B-540



MAS-BT JIS B 6339 AD/B master



ASME B5.50 master



Extension



Reduction adaptor

Designation	C.-390B.555 + C.-390B.558	C.-A390B.45	C.-391.01	C.-391.02
Machine-side	SK DIN 69871 AD/B	ASME B 5.50	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623
Tool-side	C3 - C8	C3 - C8	C3 - C8	C3 - C6

Page in catalogue

QR code				
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	C-390B-555	C-A390B-45	C-391-01	C-391-02



# Walter Capto™ adaptors



ER collet chucks



Weldon shank adaptor



Adaptor for drilling and reaming tools



Shell mill adaptor

Designation	C.-391.14	C.-391.20	C.-391.27	AK155.8.C
Machine-side	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623
Tool-side	ER20 - ER40	1 - 1 1/4	16 - 40	1 - 1 1/4

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)      C-391-14      C-391-20      C-391-27      AK155-8-C



Walter Capto™ hydraulic expansion chuck ISO 26623-1



Synchronous thread cutting adaptor



Walter Capto™ adaptor – vibration damped

Designation	AK182.C	AB035-C	AC001-C
Machine-side	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623	Walter Capto™ in acc. with ISO 26623
Tool-side	12 - 20	ER11 - ER40	16 - 40

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)      AK182-C      AB035-C      AC001-C

## Walter NCT adaptors



DIN 2080 master



DIN 69871-1 AD master



ANSI ASME B5.50 master



ANSI ASME B5.50 Master

Designation	A100M.1	A100M.2	A100M.3	A100M.U3
Machine-side	M_SKG20D _x_	SK DIN 69871	ASME B 5.50	ASME B 5.50
Tool-side	32 - 80	25 - 80	63 - 80	25 - 80

Page in catalogue

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[www.walter-tools.com/woc/A100M-1](http://www.walter-tools.com/woc/A100M-1)

[www.walter-tools.com/woc/A100M-2](http://www.walter-tools.com/woc/A100M-2)

[www.walter-tools.com/woc/A100M-3](http://www.walter-tools.com/woc/A100M-3)

[www.walter-tools.com/woc/A100M-U3](http://www.walter-tools.com/woc/A100M-U3)


MAS-BT JIS B 6339 master



DIN 69871-1 AD/B master



DIN 69893-1 A master



Walter Capto™ master

Designation	A100M.4	AK200M.2	A100M...HSK	A100M.8
Machine-side	JIS B 6339	SK DIN 69871 AD/B	HSK DIN 69893-1 A	Walter Capto™ in acc. with ISO 26623
Tool-side	25 - 80	40 - 80	25 - 80	25 - 80

Page in catalogue

QR code


[www.walter-tools.com/woc/A100M-4](http://www.walter-tools.com/woc/A100M-4)

[www.walter-tools.com/woc/AK200M-2](http://www.walter-tools.com/woc/AK200M-2)

[www.walter-tools.com/woc/A100M-HSK](http://www.walter-tools.com/woc/A100M-HSK)

[www.walter-tools.com/woc/A100M-8](http://www.walter-tools.com/woc/A100M-8)

## Walter NCT adaptors



Extension adaptor



Reduction adaptor



DIN 1835 B milling cutter extension



Combination adaptor

Designation	A101M	A102M	A175	A150M
Machine-side	Modular NCT adaptor	Modular NCT adaptor	DIN 1835 B	Modular NCT adaptor
Tool-side	25 - 80	25 - 63	5 - 4 (5/32)	16 - 60

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A101M

A102M

A175

A150M



Shell mill adaptor



Shell mill adaptor



Shell mill adaptor



Weldon shank adaptor

Designation	A155M	AK155M	AK155M.U0	A170M
Machine-side	Modular NCT adaptor	Modular NCT adaptor	Modular NCT adaptor	Modular NCT adaptor
Tool-side	22 - 60	16 - 40	1 - 1 1/4	10 - 40

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

A155M

AK155M

AK155M-U0

A170M

## Walter NCT adaptors



Adaptor for eccentric sleeve



Small drill chuck



ER collet chucks



DIN 1835 B ER collet chuck

Designation	A170M...Ex	A201M	AK300M	A305
Machine-side	Modular NCT adaptor	Modular NCT adaptor	Modular NCT adaptor	DIN 1835 B
Tool-side	32 - 50	1 - 13	ER16 - ER40	ER11 - ER16

Page in catalogue

QR code


[www.walter-tools.com/woc/A170M-EX](http://www.walter-tools.com/woc/A170M-EX)

[www.walter-tools.com/woc/A201M](http://www.walter-tools.com/woc/A201M)

[www.walter-tools.com/woc/AK300M](http://www.walter-tools.com/woc/AK300M)

[www.walter-tools.com/woc/A305](http://www.walter-tools.com/woc/A305)


Tap quick-change chuck



Synchronous thread cutting adaptor

Designation	A320M	AB035-N
Machine-side	Modular NCT adaptor	Modular NCT adaptor
Tool-side	1 - 5	ER20 - ER25

Page in catalogue

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[www.walter-tools.com/woc/A320M](http://www.walter-tools.com/woc/A320M)
[A320M](http://www.walter-tools.com/woc/A320M)

[www.walter-tools.com/woc/AB035-N](http://www.walter-tools.com/woc/AB035-N)
[AB035-N](http://www.walter-tools.com/woc/AB035-N)

## ScrewFit adaptors for front pieces



Reduction adaptor



Reduction adaptor



DIN 1835 A adaptor



DIN 1835 A adaptor

Designation	AK521	AK522	AK510	A510
Machine-side	ScrewFit	Cylindrical modular	Cylindrical shank	Cylindrical shank
Tool-side	T09 - T36	T14 - T28	T09 - T45	T09 - T28

Page in catalogue



AK521



AK522



AK510



A510

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)



DIN 1835 A adaptor



NCT adaptor



DIN 69893-1 A adaptor



DIN 69893-1 A adaptor

Designation	AK512	AK520	AK530	AK531
Machine-side	Cylindrical shank	Modular NCT adaptor	HSK DIN 69893-1 A	HSK DIN 69893-1 A
Tool-side	T14 - T28	T18 - T45	T09 - T45	T18 - T45

Page in catalogue



AK512



AK520



AK530



AK531

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

## ScrewFit adaptors for front pieces



DIN 69871 AD/B adaptor



DIN 69871 AD/B adaptor



Walter Capto™ adaptor



ER collet chucks

Designation	AK540	AK541	AK580.C	AK300.T
Machine-side	SK DIN 69871 AD/B	SK DIN 69871 AD/B	Walter Capto™ in acc. with ISO 26623	ScrewFit
Tool-side	T09 - T45	T18 - T45	T14 - T45	ER11 - ER25

Page in catalogue

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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

AK540

AK541

AK580-C

AK300-T



Walter Capto™ adaptor – vibration damped



HSK adaptor – vibration damped



SK adaptor – vibration damped



MAS-BT adaptor – vibration damped

Designation	AC060-C	AC060-H	AC060-S	AC060-J
Machine-side	Walter Capto™ in acc. with ISO 26623	HSK DIN 69893-1 A	SK DIN 69871 AD/B	JIS B 6339 AD/B
Tool-side	T18 - T28	T18 - T28	T18 - T28	T18 - T28

Page in catalogue

QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

AC060-C

AC060-H

AC060-S

AC060-J

## ConeFit adaptors for milling cutter heads



DIN 6535 HA adaptor



DIN 69893-1 A adaptor



Walter Capto™ adaptor

Designation	AK610	AK631	AK681
Machine-side	Cylindrical shank	HSK DIN 69893-1 A	Walter Capto™ in acc. with ISO 26623
Tool-side	E10 - E25	E10 - E25	E10 - E25

Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

AK610

AK631

AK681

## Adaptors, one-piece – HSK, SK



DIN 69893-1 A shell mill arbor



DIN 69893-1 A shell mill arbor



HSK adaptor – Vibration-damped



DIN 69893-1 A Weldon adaptor

Designation	A155...HSK	AK155...HSK	AC001-H	A170...HSK
Machine-side	HSK DIN 69893-1 A	HSK DIN 69893-1 A	HSK DIN 69893-1 A	HSK DIN 69893-1 A
Tool-side	22 - 60	16 - 40	16 - 40	6 - 40

Page in catalogue



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[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[A155-HSK](http://www.walter-tools.com/woc/A155-HSK)
[AK155-HSK](http://www.walter-tools.com/woc/AK155-HSK)
[AC001-H](http://www.walter-tools.com/woc/AC001-H)
[A170-HSK](http://www.walter-tools.com/woc/A170-HSK)


DIN 69893-1 A shrink-fit adaptor



DIN 69893-1 A hydraulic expansion chuck



DIN 69893-1 A slim hydraulic expansion chuck



DIN 69893-1 A ER collet chuck

Designation	A560.H	AK182.H	AB019-H	AK300...HSK
Machine-side	HSK DIN 69893-1 A	HSK DIN 69893-1 A	HSK DIN 69893-1 A	HSK DIN 69893-1 A
Tool-side	5 - 25	12 - 32	6 - 20	ER16 - ER40

Page in catalogue



QR code


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[A560-H](http://www.walter-tools.com/woc/A560-H)
[AK182-H](http://www.walter-tools.com/woc/AK182-H)
[AB019-H](http://www.walter-tools.com/woc/AB019-H)
[AK300-HSK](http://www.walter-tools.com/woc/AK300-HSK)



## Adaptors, one-piece – HSK, SK



Synchronous thread cutting adaptor



Synchronous thread cutting adaptor



DIN69871-A shell mill arbor



DIN 69871 AD/B shell mill arbor

Designation	AB035-H	AB035-W	A155.S	AK155.S
Machine-side	HSK DIN 69893-1 A	DIN 6535 HE, turned 180° DIN 6535 HB	SK DIN 69871 AD/B	SK DIN 69871 AD/B
Tool-side	ER20 - ER40	ER11 - ER25	22 - 60	16 - 32

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

AB035-H

AB035-W

A155-S

AK155-S



SK adaptor – Vibration-damped



MAS-BT JIS B 6339 shell mill arbor



MAS-BT JIS B 6339 shell mill arbor



MAS-BT adaptor – Vibration-damped

Designation	AC001-S	A155.BT	AK155.BT	AC001-J
Machine-side	SK DIN 69871 AD/B	JIS B 6339	JIS B 6339	JIS B 6339 AD/B
Tool-side	16 - 40	16 - 60	16 - 32	16 - 40

Page in catalogue



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

AC001-S

A155-BT

AK155-BT

AC001-J

## Adaptors, one-piece – HSK, SK



ASME B5.50 shell end milling  
cutter arbor



CAT-V adaptor – Vibration-  
damped



DIN 69871 AD/B Weldon  
adaptor



MAS-BT JIS B 6339 Weldon  
adaptor

Designation	AB001.K	AC001.K	AK170.S	AK170.BT
Machine-side	ASME B 5.50	ASME B 5.50	SK DIN 69871 AD/B	JIS B 6339
Tool-side	1 - 2 1/2	1 - 1 1/2	6 - 40	6 - 40

Page in catalogue



[www.walter-tools.com/woc/  
AB001-K](http://www.walter-tools.com/woc/AB001-K)



[www.walter-tools.com/woc/  
AC001-K](http://www.walter-tools.com/woc/AC001-K)



[www.walter-tools.com/woc/  
AK170-S](http://www.walter-tools.com/woc/AK170-S)



[www.walter-tools.com/woc/  
AK170-BT](http://www.walter-tools.com/woc/AK170-BT)



ASME B5.50 Weldon shank  
adaptor



DIN 69871 hydraulic expansion  
chuck



MAS-BT JIS B 6339 hydraulic  
expansion chuck



ASME B5.50 hydraulic  
expansion chuck

Designation	AB044.K	AK182.S	AK182.BT	AK182.CAT
Machine-side	ASME B 5.50	SK DIN 69871 AD/B	JIS B 6339	ASME B 5.50
Tool-side	1 - 1 1/4	12 - 32	12 - 32	20 - 32

Page in catalogue



[www.walter-tools.com/woc/  
AB044-K](http://www.walter-tools.com/woc/AB044-K)



[www.walter-tools.com/woc/  
AK182-S](http://www.walter-tools.com/woc/AK182-S)



[www.walter-tools.com/woc/  
AK182-BT](http://www.walter-tools.com/woc/AK182-BT)



[www.walter-tools.com/woc/  
AK182-CAT](http://www.walter-tools.com/woc/AK182-CAT)

## Adaptors, one-piece – HSK, SK



DIN 69871 A ER collet chuck



MAS-BT JIS B 6339 ER collet chuck



ASME B5.50 ER collet chuck



Synchronous thread cutting adaptor

Designation	AK300.S	AK300.BT	AB009.K	AB035-S
Machine-side	M_SKG10 _x_	M_SKG50 _x_	ASME B 5.50	SK DIN 69871
Tool-side	ER16 - ER40	ER16 - ER40	ER16 - ER40	ER20 - ER40

Page in catalogue

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<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	AK300-S	AK300-BT	AB009-K	AB035-S
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Synchronous thread cutting adaptor

Designation	AB035-J
Machine-side	JIS B 6339
Tool-side	ER11 - ER40

Page in catalogue

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<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	AB035-J
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## Accuretec® vibration-damped mill-cutt adaptors



Walter Capto™ adaptor – vibration damped



HSK adaptor – Vibration-damped



SK adaptor – Vibration-damped



MAS-BT adaptor – Vibration-damped

Designation	AC001-C	AC001-H	AC001-S	AC001-J
Machine-side	Walter Capto™ in acc. with ISO 26623	HSK DIN 69893-1 A	SK DIN 69871 AD/B	JIS B 6339 AD/B
Tool-side	16 - 40	16 - 40	16 - 40	16 - 40

Page in catalogue



[www.walter-tools.com/woc/AC001-C](http://www.walter-tools.com/woc/AC001-C)



[www.walter-tools.com/woc/AC001-H](http://www.walter-tools.com/woc/AC001-H)



[www.walter-tools.com/woc/AC001-S](http://www.walter-tools.com/woc/AC001-S)



[www.walter-tools.com/woc/AC001-J](http://www.walter-tools.com/woc/AC001-J)



CAT-V adaptor – Vibration-damped



Walter Capto™ adaptor – vibration damped



HSK adaptor – vibration-damped



SK adaptor – vibration-damped

Designation	AC001.K	AC060-C	AC060-H	AC060-S
Machine-side	ASME B 5.50	Walter Capto™ in acc. with ISO 26623	HSK DIN 69893-1 A	SK DIN 69871 AD/B
Tool-side	1 - 1 1/2	T18 - T28	T18 - T28	T18 - T28

Page in catalogue



[www.walter-tools.com/woc/AC001-K](http://www.walter-tools.com/woc/AC001-K)

[AC001-K](http://www.walter-tools.com/woc/AC001-K)



[www.walter-tools.com/woc/AC060-C](http://www.walter-tools.com/woc/AC060-C)

[AC060-C](http://www.walter-tools.com/woc/AC060-C)



[www.walter-tools.com/woc/AC060-H](http://www.walter-tools.com/woc/AC060-H)

[AC060-H](http://www.walter-tools.com/woc/AC060-H)



[www.walter-tools.com/woc/AC060-S](http://www.walter-tools.com/woc/AC060-S)

[AC060-S](http://www.walter-tools.com/woc/AC060-S)

## Accure-tec® vibration-damped mill-cutt adaptors



MAS-BT adaptor – vibration-damped

Designation	AC060-J
Machine-side	JIS B 6339 AD/B
Tool-side	T18 - T28

Page in catalogue

QR code



[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

AC060-J

## General information – Adaptors



Boring bar adaptor



Adaptor sleeves for peripheral cooling



Adaptor sleeves for peripheral cooling



DIN 6499 ER collets

Designation	A2140-W	FS...	SL...	C330
Machine-side	Cylindrical shank with flat	Cylindrical shank	Cylindrical shank	DIN 6499
Tool-side	6 - 25	3 - 25	1 - 3/16	1.0 - 0.5 - 6.00 - 5.50

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/A2140-W">www.walter-tools.com/woc/A2140-W</a>	<a href="http://www.walter-tools.com/woc/FS">www.walter-tools.com/woc/FS</a>	<a href="http://www.walter-tools.com/woc/SL">www.walter-tools.com/woc/SL</a>	<a href="http://www.walter-tools.com/woc/C330">www.walter-tools.com/woc/C330</a>



DIN 6499 ER tapping collets



Cooling nozzles for ER collets



Quick-change collet



Synchronised quick-change ER collet

Designation	C340	GL00..	A331	AB735-ER
Machine-side	DIN 6499		Tap adapter SES	DIN 6499
Tool-side	10.00 x 8.00 - 9.00 x 7.00	ER32	10.00 x 8.00 - 9.00 x 7.00	8 - 19

Page in catalogue

QR code				
	<a href="http://www.walter-tools.com/woc/C340">www.walter-tools.com/woc/C340</a>	<a href="http://www.walter-tools.com/woc/GL00">www.walter-tools.com/woc/GL00</a>	<a href="http://www.walter-tools.com/woc/A331">www.walter-tools.com/woc/A331</a>	<a href="http://www.walter-tools.com/woc/AB735-ER">www.walter-tools.com/woc/AB735-ER</a>

## General information – Adaptors



Synchronised quick-change collet

<b>Designation</b>	AB735-ER-R
<b>Machine-side</b>	Tap adapter SES
<b>Tool-side</b>	10.00 x 8.00 - 9.00 x 7.00

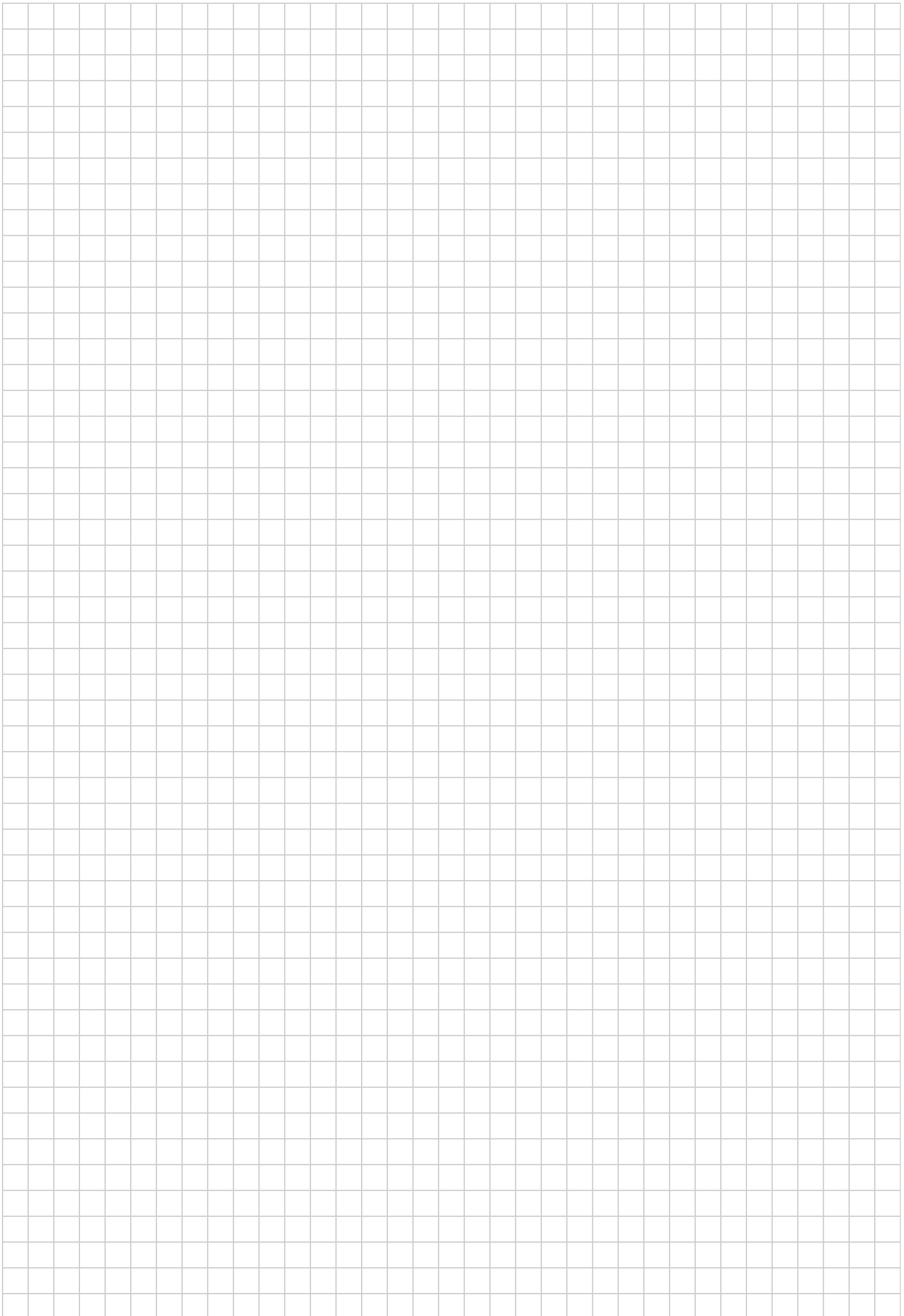
Page in catalogue

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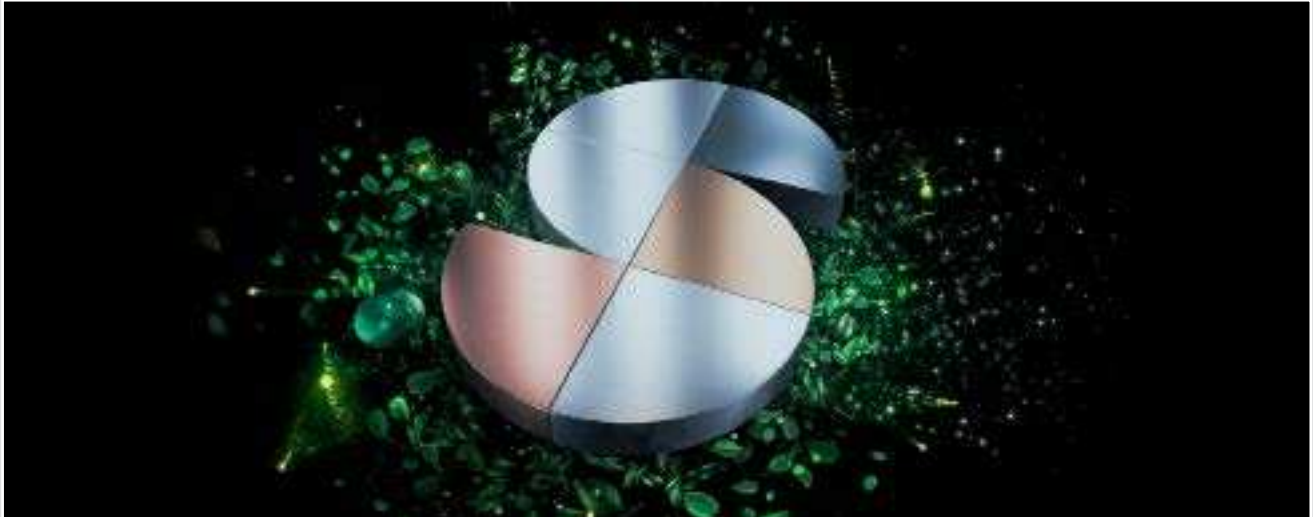


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

AB735-ER-R







# 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 (e.g. through CO<sub>2</sub> compensation of our energy use) 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)
- ISO 14001 (Environmental management)
- ISO 45001 (Occupational health and safety management)
- ISO 50001 (Energy management)
- Certified according to Ecovadis Gold Standard and NQC rating

You can find more information on Walter certification here:



### Occupational health and safety

Walter protects its employees against health hazards. To prevent accidents, we continuously review our processes and take proactive measures as a precaution.



### Environmental and energy management

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



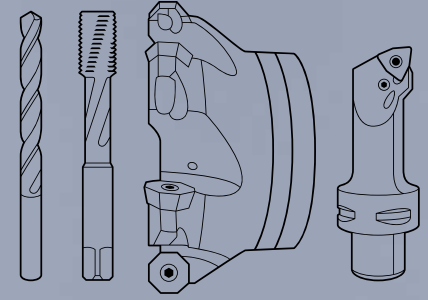
### Quality management

Walter is continuously improving its products and processes. We ensure our product quality using effective measures and procedures – and check it on a regular basis with our comprehensive quality management system.

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