

_SHAPING THE FUTURE – WITH INNOVATIVE TOOL SOLUTIONS

**We get your
workpieces into shape.**



Walter's product lines – your yardstick for round tools in the premium sector.

Walter's product lines offer you customised solutions in solid carbide milling and holemaking: Tailored to your individual requirements – and specially developed to produce high-quality results efficiently.

Perform

The Perform line tools ensure high cost-efficiency and impress with their wide application range. They are ideally suited to a wide range of materials and workpieces – in all industries.

Advance

Are you looking for the perfect balance between cost-efficient production and long tool life? The strengths of the Advance line tools come to the fore in series production applications of medium batch sizes. Cost-effective, with very good performance data and a wide portfolio.

Supreme

The Supreme line contains high-end tools. Always the first choice when it comes to high cutting speeds and long tool life for large batch sizes – and specially designed for machining specific material groups.

All Walter tools are distinguished by maximum precision and process reliability. You can create real added value by finding a product range which precisely meets all of your requirements. Walter has the right answer to what you're looking for – with three product lines in the premium segment: The Perform line for maximum cost-efficiency and reliability, the Advance line for cost-efficient machining, and the Supreme line for maximum performance with optimised cutting data and tool life.

Mould and die making

Solid carbide milling tools

Page

Solid carbide milling tools 13

Solid carbide milling tools with ConeFit interface 72

Milling tools with indexable inserts

Page

Indexable insert milling cutters 83

Drilling from solid

Page

Solid carbide drilling and reaming tools 185

Drilling tools with indexable inserts 295

Tapping

Page

HSS-E (-PM) taps 342

Solid carbide taps 402

Thread forming

Page

HSS-E (-PM) and solid carbide thread formers 406

Thread milling

Page

Drill/thread mills 460

Thread milling cutters with indexable insert 490

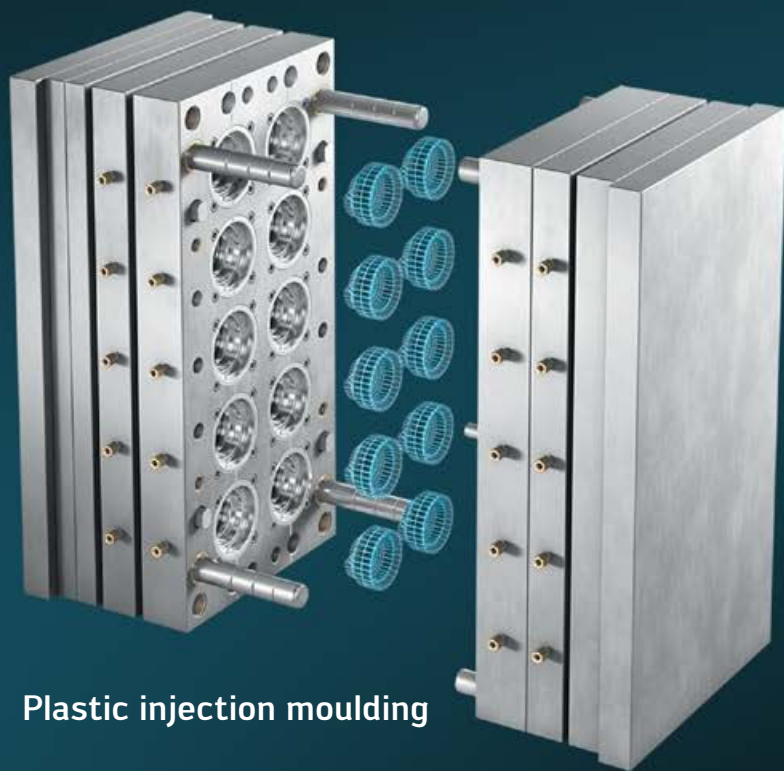
_ WALTER SOLUTIONS FOR MOULD AND DIE MAKING

THE FUTURE AT ITS BEST.

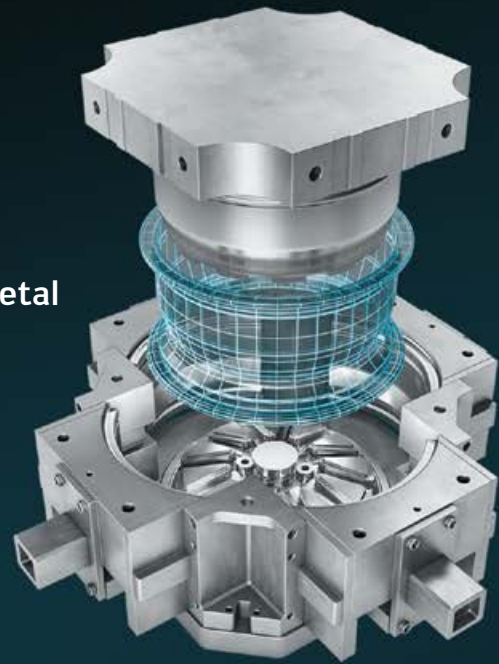
Forging



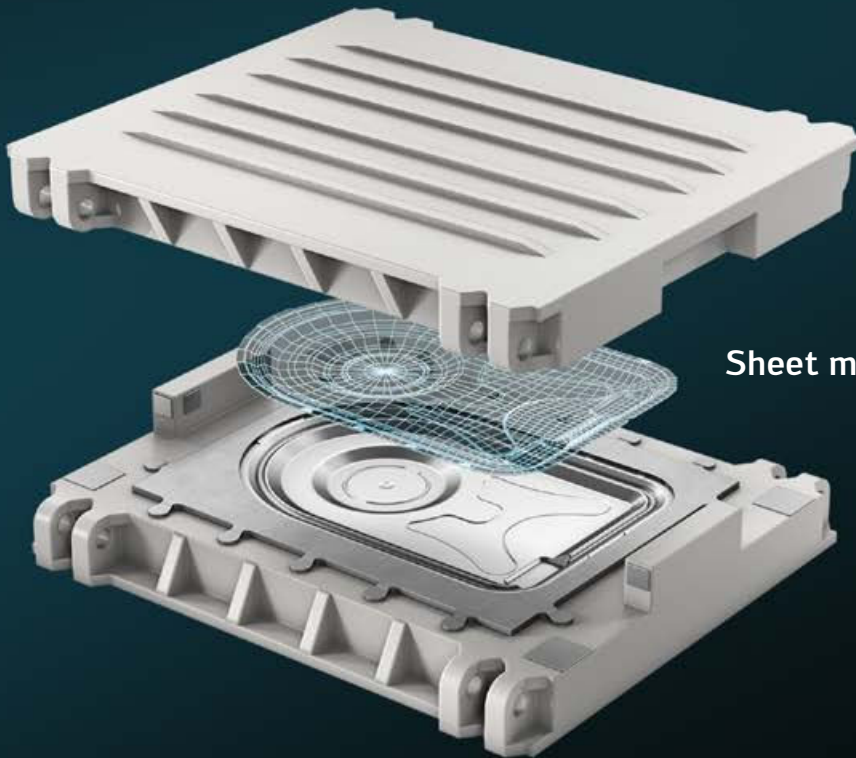
Plastic injection moulding



Die-cast metal



Sheet metal forming



Ever faster model changes, constant new requirements for the look and feel of the components, ever more wear-resistant materials – with ever shorter changeover and delivery times: Mould and die making faces challenges that can only be overcome with suitably equipped machines and state-of-the-art tools. Walter has them! In this catalogue we would like to present them to you today: Milling cutters, drills and threading tools that are precisely tailored to the needs of mould and die making. No matter whether you want to process abrasive glass fibre materials, machine hard steels or machine special profiles, e.g. with deep cavities, with tools from Walter, you shape the future.

Moulds and dies do not forgive mistakes, because they are often produced individually or in very small quantities. It's good to be able to access a unique tool database as early as the process simulation stage, in addition to premium tools.

Do you have the highest standards for flexibility, productivity and process reliability? With Walter, you can be sure of meeting these.

PEAK PERFORMANCE IN

PLASTIC INJECTION MOULDING.

Illustrative highlights

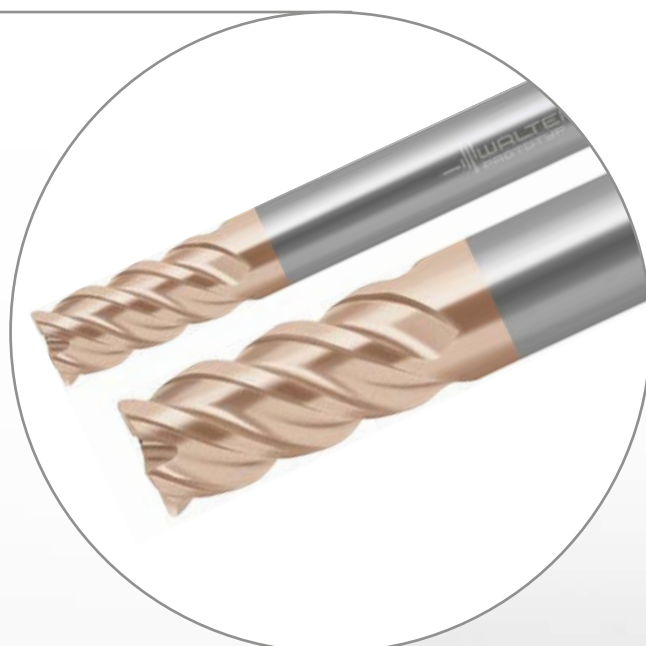
DC170 Supreme solid carbide drill

Productivity and accuracy are key when manufacturing temperature control channels for plastic injection moulds. The DC170 Supreme with its patented land design is the tool of choice here. Thanks to its minimal displacement, channels can be placed very close to the production contour, which ensures optimum temperature control.



MC388 Advance solid carbide milling cutter

Mould inserts are often made from hardened semi-finished products. This means that the final contour, including all cavities, must be produced with the highest possible surface quality. This eliminates the need for erosion processes and minimises the polishing work. With the Walter MC388 Advance, ISO H materials from 52 to 65 HRC can be machined economically and reliably, maximising performance.





Walter tools machine injection moulds cost-effectively – from ejector bolts to centring rings



Walter Precision XT B5110 precision boring tool

Column guides require high-precision through holes, which also place high demands on surface quality. Walter precision boring tools offer the best possibilities for producing them quickly and cost-efficiently. Thanks to a wide range of indexable inserts and simple diameter adjustment, you can react quickly to changing requirements.

STRONG IN FORGING.

Illustrative highlights

Xtra-tec® XT M5008 high-feed milling cutter

The M5008 achieves the highest metal removal rates that are common when roughing forging dies. Thanks to numerous cutting tool materials (including WHH15X with maximum performance in hard machining), the milling cutter can be ideally adapted to all conditions and reduce vibration due to the maximum number of teeth and minimal tool displacement. Thanks to four useable cutting edges, it is also hugely cost-efficient.



D4120 indexable insert drill

Bores for transport and mounting must be produced quickly and reliably. The D4120 is the first choice here. Its hardened and polished surfaces ensure reliable chip removal and therefore maximum process reliability. Excellent surface quality can be achieved by using wiper cutting edges where required. Four useable cutting edges ensure long tool life and low cutting tool material costs.





Walter's efficient tool solutions enable the best surface qualities and therefore high-quality forging results



T2711 thread milling cutter

The T2711 multi-row thread milling cutter is ideal for connecting threads with large diameters. Its benefits: Short machining times, maximum tool life and productivity. The easy handling and infrequent radius corrections increase process reliability. Thanks to its high operational smoothness, it produces exactly cylindrical threads in various thread pitches and lengths. This allows you to react flexibly to changing parameters.

TOP MARKS IN SHEET METAL FORMING.

Illustrative highlights

Xtra-tec® XT M5468 button insert milling cutter

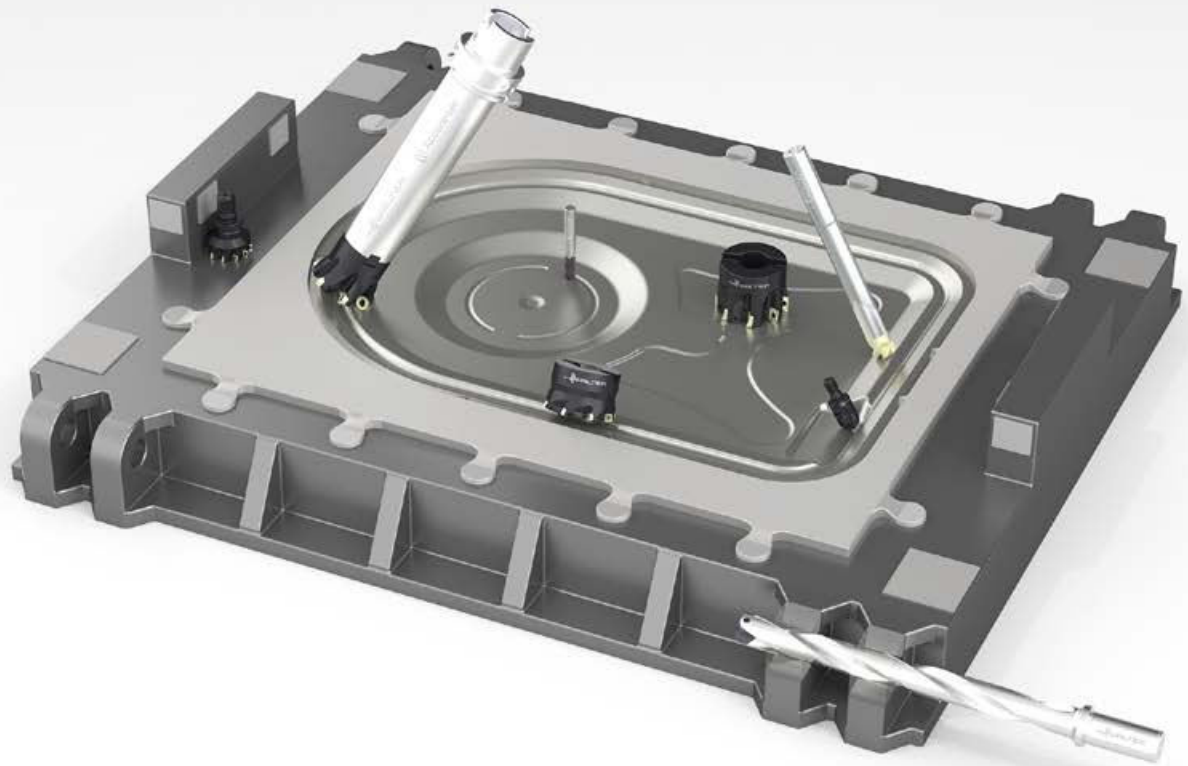
For large workpieces, e.g. in sheet metal forming, the M5468 impresses with its round inserts and stable configuration, whether it's opening cavities or HSC machining. It enables high feeds and cutting performance when roughing difficult-to-cut materials. Up to eight cutting edges can be used reliably because they are indexed via facets. This extends tool life and increases cost-efficiency.



Accure-tec® vibration-damped milling adaptor

Narrow interfering contours and deep pockets are often found on workpieces in mould making. Accure-tec® vibration-damped adaptors are specially designed for vibration-free milling with long overhangs. Their damping elements flexibly mounted axially and radially ensure a stable process producing little noise. Preset ex works and versatile thanks to various interfaces.





Cutting-edge precise sheet metal forming – with premium high-performance tools from Walter



Xtra-tec® XT M5460 profile milling cutter

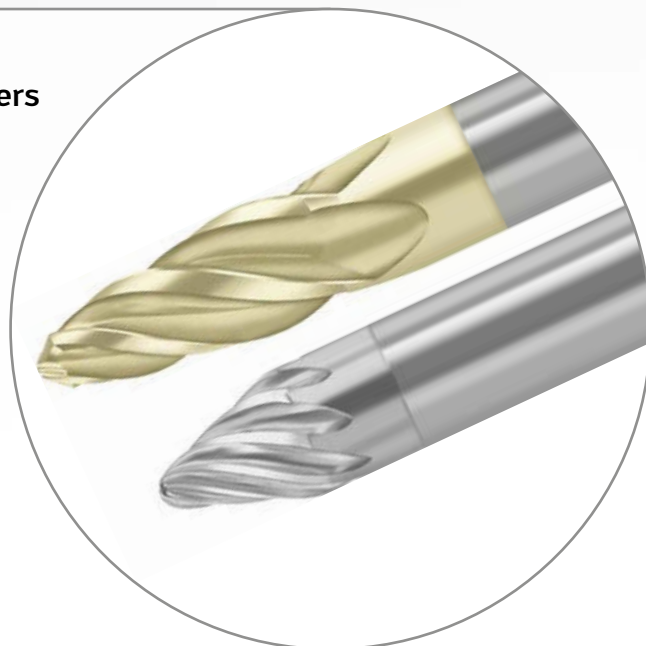
The M5460 is the first choice for materials with difficult cutting properties and hard machining of steels up to 63 HRC. For freeform surfaces and deep cavities, the internal coolant channel enables chip removal by means of compressed air or MQL. In addition to Weldon and cylindrical shanks, the M5460 is also available with a cylindrical modular interface. Thanks to the new geometry and Walter's own WHH15X grade, the milling cutter achieves tool life increases of up to 500%.

MASTER OF DIE-CAST METAL.

Illustrative highlights

MD838/839 Supreme circle segment milling cutters

Thanks to optimised spacing between rows and CAM strategies, Walter circle segment milling cutters reduce the machining time in finishing and semi-finishing by up to 90%. New geometries with large radii in the cutting area and a high number of teeth enable an excellent step-over distance capability and a high surface quality, e.g. when finishing steep walls or deep cavities – with maximum stability, productivity and process reliability.



TC685 Supreme orbital drill/thread mill

The TC685 Supreme is the specialist for hard machining of hardened steels from 44 to 65 HRC. It enables core hole and threads to be produced in one operation and is suitable for all ISO materials from groups H, P, S and K. Due to long tool life with maximum process reliability, it reduces the costs per thread – and also saves space in the machine due to its versatility.





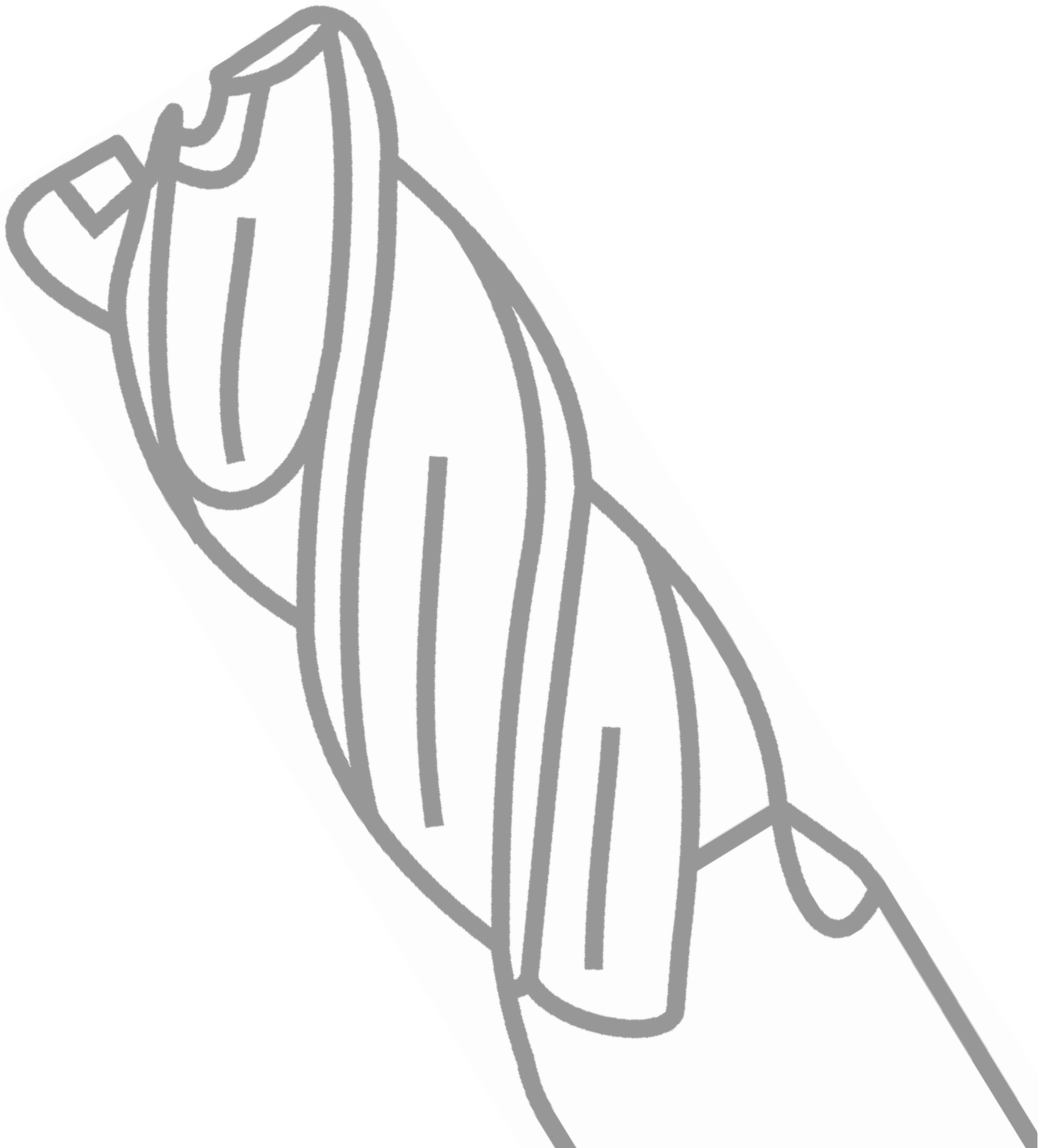
Minimises step formation and subsequent polishing processes –
due to precise freeform machining with Walter tools



MD133 Supreme solid carbide shoulder milling cutter

Whether high metal removal rates or automated production, the MD133 Supreme is specially designed for the requirements of dynamic milling. As a problem-solver for materials with difficult cutting properties and unstable conditions, it reduces machining times while maximising productivity. The entire cutting edge length is used, ensuring uniform wear behaviour and therefore maximum cost-efficiency.

WALTER SOLID CARBIDE MILLING CUTTERS



Solid carbide milling tools

The benefits of Walter solid carbide milling cutters	14
Product range overview	16
Walter Select high-feed milling cutters	20
Solid carbide high-feed milling cutters	21
Walter Select shoulder milling cutters	24
Solid carbide shoulder milling cutters	26
Walter Select shoulder/slot milling cutters	38
Solid carbide shoulder/slot milling cutters	40
Walter Select copy milling cutters	60
Solid carbide ball-nose end mills	61
Walter Select circle segment milling cutters	68
Solid carbide circle segment milling cutters	69

**Solid carbide milling tools
with ConeFit interface**

Product range overview	72
Walter Select high-feed milling cutters	73
Solid carbide high-feed milling cutters	74
Walter Select shoulder milling cutters	76
Solid carbide shoulder milling cutters	77
Walter Select circle segment milling cutters	80
Solid carbide circle segment milling cutters	81



PROBLEM-SOLVER AND

A GUARANTEE OF PRODUCT PERFORMANCE.

Solid carbide milling cutters are often used when there are not enough teeth on an indexable insert milling cutter because the diameter is too small. In this case, the machining volume, and therefore the productivity, becomes too low. Solid carbide milling cutters allow for high numbers of teeth, and therefore metal removal rates, even with small diameters.

Solid carbide milling cutters take up little space and have more precise concentricity and diameter accuracy than indexable insert solutions. This is because several components (inserts and body) have to be coordinated with each other on these tools. Solid carbide milling cutters therefore offer advantages for finishing – e.g. for injection moulding, because very tight tolerances are required here.

Another argument in favour of using solid carbide milling cutters is their ability to absorb the bending moment. This is significantly higher than tools with steel shank. Their displacement with hard materials or long overhangs is therefore lower. This increases tool life and accuracy and is ideal for deep cavities or interference contours.

THE BENEFITS OF WALTER SOLID CARBIDE MILLING CUTTERS

Solid carbide milling cutters

Hard materials, deep cavities, high surface quality and more ...
Walter's wide range of solid carbide milling cutters is perfectly tailored to the requirements of mould and die making.

Walter solid carbide shoulder milling cutters, such as the MC388 Advance, offer you extreme performance data in hard machining, because they are specially designed for this purpose.

Walter circle segment milling cutters increase surface quality and cut the machining time by up to 90% due to the reduced space between rows.

Versatile solid carbide ball-nose end mills make it possible to machine complex 3D contours with high flexibility.






Highly productive Walter high-feed milling cutters impress with the lowest displacement forces in roughing operations.

Exchangeable head systems such as Walter ConeFit enable simple plug and play as well as short tool indexing times.








Variable shank lengths and cutting tool materials for all ISO materials make Walter solid carbide milling cutters suitable for universal application.

The ability to regrind the solid carbide milling cutters three times in all Walter Reconditioning Centres worldwide maximises their cost-efficiency.



Product range overview – Solid carbide milling tools High-feed milling cutters

Machining				
Helix angle	50°			
Designation	MD025 Supreme	MD025 Supreme	MC089 Advance	MC025 Advance
Dia. range [mm]	6–16	6–16	4–16	1–16
Z	5–6	5–6	4	2–4
Corner radius [mm]	0	0	0	0
				








Product range overview – Solid carbide milling tools Shoulder milling cutters

Machining						
Helix angle	35°			50°		
Designation	MD133 Supreme	MD133 Supreme	MD128 Supreme	MD128 Supreme	MC128 Advance	MC187 Advance
Dia. range [mm]	6–20	6–20	6–25	6–25	2–25	3–25
Z	5–6	5–6	6–8	6–8	4–8	4–8
Corner radius [mm]	0,3–1	0,3–1	0–4	0–4	0–6,35	0–3
						







Product range overview – Solid carbide milling tools Shoulder milling cutters

Machining	
Helix angle	30°
Designation	MC183 Advance
Dia. range [mm]	6–16
Z	6–16
Corner radius [mm]	0
	






Product range overview – Solid carbide milling tools Shoulder/slot milling cutters

Machining						
Helix angle	45°		50°			35°
Designation	H4036217 Proto-max™ _{ST}	H4133217 Proto-max™ _{ST}	H4134217 Proto-max™ _{ST}	H4038217 Proto-max™ _{ST}	H4138217 Proto-max™ _{ST}	H4135217 Proto-max™ _{ST}
Dia. range [mm]	2–20	10–20	10–20	3–20	10–20	6–25
Z	3	3	4	4	4	5
Corner radius [mm]	0,08–0,4	0	0	0,2–4	0,5–4	0
						

Product range overview – Solid carbide milling tools Shoulder/slot milling cutters


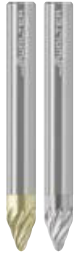



Machining						
Helix angle	35°	50°	30°		38°	35°
Designation	H4137217 Proto-max™ _{ST}	MC388 Advance	H8015828 Protostar® Ultra	MC281 Advance	MC230 Advance Xill-tec™	MC232 Perform
Dia. range [mm]	6–20	2–12,7	4–16	1–4	2–25	2–20
Z	5	3–4	4	2	4	2–4
Corner radius [mm]	0,5–2	0–3	0,2–2	0,2–0,5	0–4	0–4
						

Product range overview – Solid carbide milling tools Copy milling cutters

Machining				
Helix angle	30°			
Designation	MC482 Advance	MC480 Advance	H8004788 Proto-max™ _{Ultra}	MC416 Advance
Dia. range [mm]	1–16	0,4–5	3–12	1–20
Z	2–4	2	2	2–4
Corner radius [mm]	0,5–8	0,2–2,5	1,5–6	0,5–10
				

Product range overview – Solid carbide milling tools

Circle segment milling cutters

Machining				
Helix angle	30°			
Designation	MD838 Supreme	MD838 Supreme	MD839 Supreme	MD839 Supreme
Dia. range [mm]	1–8	1–8	2–8	2–8
Z	4–8	4–8	4	4
Corner radius [mm]	0,5–4	0,5–4	1–4	1–4
				

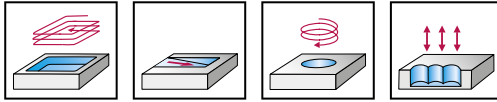
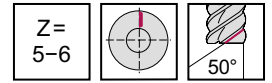
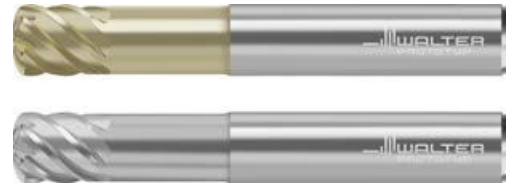
Walter Select solid carbide milling tools

High-feed milling cutters

Machining	50°		50°	50°
Helix angle	50°		50°	50°
Designation	MD025 Supreme	MD025 Supreme	MC089 Advance	MC025 Advance
Dia. range [mm]	6–16	6–16	4–16	1–16
Z	5–6	5–6	4	2–4
Corner radius [mm]	0	0	0	0
Standard	PROTOTYP TOOLS STANDARD L STANDARD	PROTOTYP TOOLS STANDARD L STANDARD	DIN 6527 L	PROTOTYP TOOLS STANDARD L STANDARD
Shank	DIN 6535 HA	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				

Solid carbide high-feed milling cutters

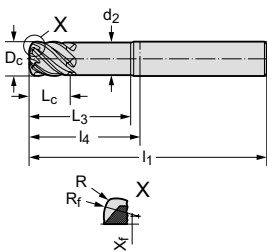
MD025 Supreme



	P	M	K	N	S	H	O
WJ30RA		●●		●	●●		
WJ30RD	●●		●				

PROTOTYP TOOLS STANDARD L

Shank DIN 6535 HA



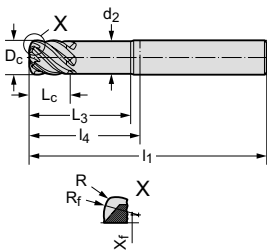
Designation	D _c h9 mm	x _f mm	R _f mm	R _{ers} mm	R mm	L _c mm	l ₁ mm	l ₃ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RA	WJ30RD
MD025-06.0A5B050C-	6	1,4	3	0,755	0,5	6	57	19	21	6	5	☉	☉
MD025-08.0A5B100C-	8	1,54	4	1,379	1	8	63	25	27	8	5	☉	☉
MD025-10.0A5B150C-	10	1,7	5	1,998	1,5	10	72	30	32	10	5	☉	☉
MD025-12.0A6B150C-	12	2,25	6	2,103	1,5	12	83	36	38	12	6	☉	☉
MD025-16.0A6B200C-	16	3,1	8	2,747	2	16	92	42	44	16	6	☉	☉

Shoulder milling $a_e \leq 0,5 \times D_c$

Ordering example for the WJ30RD grade: MD025-06.0A5B050C-WJ30RD

STANDARD

Shank DIN 6535 HA



Designation	D _c h9 Inch/No.	x _f inch	R _f inch	R _{ers} inch	R inch	L _c inch	l ₁ inch	l ₃ inch	l ₄ inch	d ₁ h6 inch	Z	WJ30RA	WJ30RD
MD025.6.35A5D051C-	1/4"	0,051	0,146	0,032	0,020	0,250	2,500	1,000	1,083	1/4	5	☉	☉
MD025.7.94A5D102C-	5/16"	0,059	0,165	0,054	0,040	0,313	3,000	1,250	1,437	3/8	5	☉	☉
MD025.9.53A5D152C-	3/8"	0,067	0,181	0,076	0,060	0,375	3,000	1,250	1,437	3/8	5	☉	☉
MD025.12.7A6D152C-	1/2"	0,098	0,236	0,086	0,060	0,500	3,500	1,500	1,717	1/2	6	☉	☉
MD025.15.9A6D203C-	5/8"	0,118	0,315	0,110	0,080	0,625	3,500	1,500	1,594	5/8	6	☉	☉

Shoulder milling $a_e \leq 0,5 \times D_c$

Ordering example for the WJ30RD grade: MD025.6.35A5D051C-WJ30RD

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

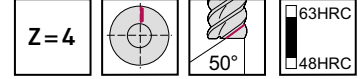
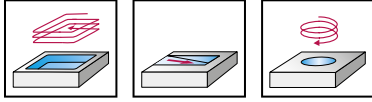
machining conditions

●● Primary application

● Other application

Solid carbide high-feed milling cutters

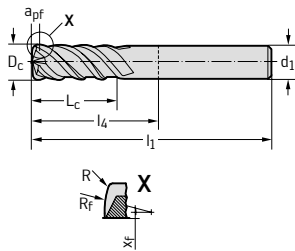
MC089 Advance



	P	M	K	N	S	H	O
WB10TG						●●	

DIN 6527 L

Shank DIN 6535 HA

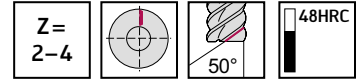
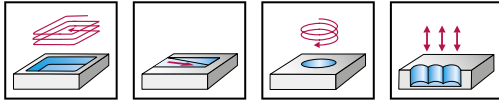


Designation	D _c h9 mm	a _{pf} mm	x _f mm	R _f mm	R _{ers} mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TG
MC089-04.0A4B050-	4	0,12	0,6	4	0,618	0,5	11	57	21	6	4	☺
MC089-05.0A4B050-	5	0,15	0,7	6	0,656	0,5	13	57	21	6	4	☺
MC089-06.0A4B050-	6	0,2	0,7	9	0,693	0,5	15	57	21	6	4	☺
MC089-08.0A4B100-	8	0,25	0,78	12	1,226	1	20	63	27	8	4	☺
MC089-10.0A4B150-	10	0,3	0,8	15	1,773	1,5	26	72	32	10	4	☺
MC089-12.0A4B150-	12	0,4	1	18	1,875	1,5	30	83	38	12	4	☺
MC089-16.0A4B200-	16	0,5	1,5	24	2,465	2	36	92	44	16	4	☺

 Shoulder milling $a_e \leq 0.5 \times D_c$

Ordering example for the WB10TG grade: MC089-04.0A4B050-WB10TG

Solid carbide high-feed milling cutters MC025 Advance



P	M	K	N	S	H	O
●	●	●	●	●		

PROTOTYP TOOLS STANDARD L		D _c h9 mm	x _f mm	R _f mm	R _{ers} mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30TF
Shank DIN 6535 HA												
	Designation											
	MC025-01.0A2B010-	1	0,2	0,6	0,142	0,1	3	57	21	6	2	●
	MC025-02.0A2B020-	2	0,4	1,2	0,283	0,2	6	57	21	6	2	●
	MC025-03.0A2B030-	3	0,6	1,8	0,425	0,3	7	57	21	6	2	●
	MC025-04.0A4B050-	4	0,8	2	0,673	0,5	11	57	21	6	4	●
	MC025-05.0A4B050-	5	1,1	2,5	0,714	0,5	13	57	21	6	4	●
	MC025-06.0A4B050-	6	1,4	3	0,755	0,5	15	57	21	6	4	●
	MC025-08.0A4B100-	8	1,54	4	1,379	1	20	63	27	8	4	●
	MC025-10.0A4B150-	10	1,7	5	1,998	1,5	26	72	32	10	4	●
	MC025-12.0A4B150-	12	2,25	6	2,103	1,5	30	83	38	12	4	●
MC025-16.0A4B200-	16	3,1	8	2,747	2	36	92	44	16	4	●	

Shoulder milling $a_e \leq 0.1 \times D_c$
Ordering example for the WJ30TF grade: MC025-01.0A2B010-WJ30TF

STANDARD		D _c h9 Inch/No.	x _f inch	R _f inch	R _{ers} inch	R inch	L _c inch	l ₁ inch	l ₄ inch	d ₁ h6 inch	Z	WJ30TF
Shank DIN 6535 HA												
	Designation											
	MC025.3.18A4D051-	1/8"	0,030	0,046	0,023	0,020	0,500	2,500	1,083	1/4	4	●
	MC025.4.76A4D051-	3/16"	0,039	0,098	0,028	0,020	0,625	2,500	1,083	1/4	4	●
	MC025.6.35A4D051-	1/4"	0,051	0,146	0,032	0,020	0,750	2,500	1,083	1/4	4	●
	MC025.7.94A4D102-	5/16"	0,059	0,165	0,054	0,040	0,813	3,000	1,437	3/8	4	●
	MC025.9.53A4D152-	3/8"	0,070	0,181	0,075	0,060	0,875	3,000	1,437	3/8	4	●
	MC025.12.7A4D152-	1/2"	0,098	0,236	0,086	0,060	1,000	3,500	1,717	1/2	4	●
	MC025.15.9A4D203-	5/8"	0,118	0,315	0,110	0,080	1,250	3,500	1,594	5/8	4	●

Shoulder milling $a_e \leq 0.1 \times D_c$
Ordering example for the WJ30TF grade: MC025.3.18A4D051-WJ30TF

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

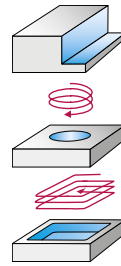
●● Primary application

● Other application

Walter Select solid carbide milling tools

Shoulder milling cutters

Machining



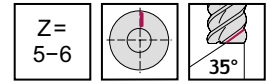
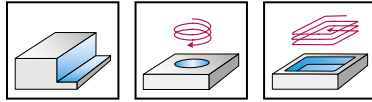
Helix angle	35°		50°		
Designation	MD133 Supreme	MD133 Supreme	MD128 Supreme	MD128 Supreme	MC128 Advance
Dia. range [mm]	6–20	6–20	6–25	6–25	2–25
Z	5–6	5–6	6–8	6–8	4–8
Corner radius [mm]	0,3–1	0,3–1	0–4	0–4	0–6,35
Standard	P STANDARD L P STANDARD XL PROTOTYP TOOLS STANDARD L PROTOTYP TOOLS STANDARD XL	P STANDARD L P STANDARD XL PROTOTYP TOOLS STANDARD L PROTOTYP TOOLS STANDARD XL	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD	DIN 6527 L STANDARD
Shank	DIN 6535 HB	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					

	50°	30°
	MC187 Advance	MC183 Advance
	3–25	6–16
	4–8	6–16
	0–3	0
	DIN 6527 L PROTOTYP TOOLS STANDARD L STANDARD	DIN 6527 L
	DIN 6535 HA	DIN 6535 HB
	● ●	● ●

Solid carbide shoulder milling cutters

MD133 Supreme

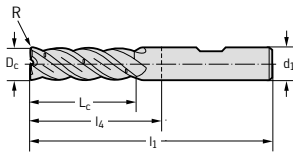
- Chip breaker



	P	M	K	N	S	H	O
WJ30RA		●●		●	●		
WJ30RD	●●		●				

PROTOTYP TOOLS STANDARD L

	Designation	D _c h10 mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RA	WJ30RD
Shank DIN 6535 HB	MD133-06.0W5L030J-	6	0,3	19	65	29	6	5	☉	☉
	MD133-08.0W5L040J-	8	0,4	25	68	32	8	5	☉	☉
	MD133-10.0W5L050J-	10	0,5	32	80	40	10	5	☉	☉
	MD133-12.0W5L060J-	12	0,6	38	93	48	12	5	☉	☉
	MD133-16.0W6L080J-	16	0,8	50	115	62	16	6	☉	☉
	MD133-20.0W6L100J-	20	1	63	125	75	20	6	☉	☉

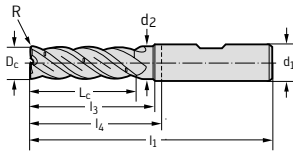

 Shoulder milling $a_e \leq 0.10 \times D_c$ for ISO-P

 Shoulder milling $a_e \leq 0.03 \times D_c$ for ISO-M and ISO-S

Ordering example for the WJ30RD grade: MD133-06.0W5L030J-WJ30RD

PROTOTYP TOOLS STANDARD L

	Designation	D _c h10 mm	R mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RA	WJ30RD
Shank DIN 6535 HB	MD133-06.0W5L030D-	6	0,3	19	27	5,5	65	29	6	5	☉	☉
	MD133-08.0W5L040D-	8	0,4	25	30	7,5	68	32	8	5	☉	☉
	MD133-10.0W5L050D-	10	0,5	32	38	9,5	80	40	10	5	☉	☉
	MD133-12.0W5L060D-	12	0,6	38	46	11,4	93	48	12	5	☉	☉
	MD133-16.0W6L080D-	16	0,8	50	60	15,2	115	62	16	6	☉	☉
	MD133-20.0W6L100D-	20	1	63	73	19	125	75	20	6	☉	☉

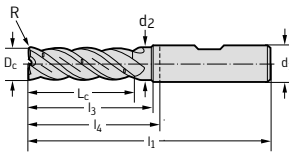

 Shoulder milling $a_e \leq 0.10 \times D_c$ for ISO-P

 Shoulder milling $a_e \leq 0.03 \times D_c$ for ISO-M and ISO-S

Ordering example for the WJ30RD grade: MD133-06.0W5L030D-WJ30RD

**PROTOTYP TOOLS
STANDARD L**

Shank DIN 6535 HB



Designation	D _c h10 Inch/No.	R inch	L _c inch	l ₃ inch	d ₂ inch	l ₁ inch	l ₄ inch	d ₁ h6 inch	Z	WJ30RA	WJ30RD
MD133.6.35W5L038D-	1/4"	0,015	0,875	1,000	0,237	2,500	1,437	0,375	5	☺	☺
MD133.9.53W5L038D-	3/8"	0,015	1,250	1,500	0,356	3,250	1,687	0,375	5	☺	☺
MD133.12.7W5L076D-	1/2"	0,030	1,750	2,125	0,475	4,000	2,217	0,500	5	☺	☺
MD133.15.9W6L076D-	5/8"	0,030	2,000	2,500	0,594	4,500	2,594	0,625	6	☺	☺
MD133.19.1W6L076D-	3/4"	0,030	2,500	3,000	0,713	5,500	3,469	0,750	6	☺	☺

Shoulder milling $a_e \leq 0.10 \times D_c$ for ISO-P

Shoulder milling $a_e \leq 0.03 \times D_c$ for ISO-M and ISO-S

Ordering example for the WJ30RD grade: MD133.6.35W5L038D-WJ30RD

WALTER
SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

machining conditions

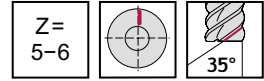
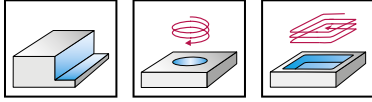
••
Primary
application

•
Other
application

Solid carbide shoulder milling cutters

MD133 Supreme

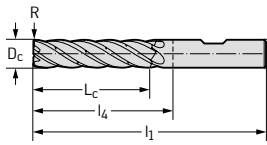
- Chip breaker



	P	M	K	N	S	H	O
WJ30RA		●●		●	●		
WJ30RD	●●		●				

PROTOTYP TOOLS STANDARD L

	Designation	D _c h10 mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RA	WJ30RD
Shank DIN 6535 HB	MD133-06.0W5L030K-	6	0,3	25	65	29	6	5	☉	☉
	MD133-08.0W5L040K-	8	0,4	34	80	44	8	5	☉	☉
	MD133-10.0W5L050K-	10	0,5	42	90	50	10	5	☉	☉
	MD133-12.0W5L060K-	12	0,6	50	100	55	12	5	☉	☉
	MD133-16.0W6L080K-	16	0,8	66	125	77	16	6	☉	☉
	MD133-20.0W6L100K-	20	1	83	145	95	20	6	☉	☉


 Shoulder milling $a_e \leq 0.05 \times D_c$ for ISO-P

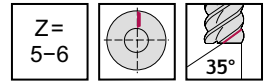
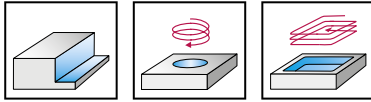
 Shoulder milling $a_e \leq 0.025 \times D_c$ for ISO-M and ISO-S

Ordering example for the WJ30RD grade: MD133-06.0W5L030K-WJ30RD

Solid carbide shoulder milling cutters

MD133 Supreme

- Chip breaker



	P	M	K	N	S	H	O
WJ30RA		••		•	•		
WJ30RD	••		•				

PROTOTYP TOOLS STANDARD XL		D _c h10 mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RA	WJ30RD
Shank DIN 6535 HB										
	Designation									
	MD133-06.0W5X030L-	6	0,3	31	80	40	6	5	☉	☉
	MD133-08.0W5X040L-	8	0,4	41	87	51	8	5	☉	☉
	MD133-10.0W5X050L-	10	0,5	52	100	60	10	5	☉	☉
	MD133-12.0W5X060L-	12	0,6	62	116	71	12	5	☉	☉
	MD133-16.0W6X080L-	16	0,8	82	141	93	16	6	☉	☉
MD133-20.0W6X100L-	20	1	103	165	115	20	6	☉	☉	

Shoulder milling $a_e \leq 0.03 \times D_c$ for ISO-P

Shoulder milling $a_e \leq 0.015 \times D_c$ for ISO-M and ISO-S

Ordering example for the WJ30RD grade: MD133-06.0W5X030L-WJ30RD

PROTOTYP TOOLS STANDARD XL		D _c h10 Inch/No.	R inch	L _c inch	l ₁ inch	l ₄ inch	d ₁ h6 inch	Z	WJ30RA	WJ30RD
Shank DIN 6535 HB										
	Designation									
	MD133.6.35W5X038L-	1/4"	0,015	1,375	3,000	1,937	0,375	5	☉	☉
	MD133.9.53W5X038L-	3/8"	0,015	2,000	4,000	2,437	0,375	5	☉	☉
	MD133.12.7W5X076L-	1/2"	0,030	2,750	5,000	3,217	0,500	5	☉	☉
	MD133.15.9W6X076L-	5/8"	0,030	3,250	5,500	3,594	0,625	6	☉	☉
	MD133.19.1W6X076L-	3/4"	0,030	3,875	6,500	4,469	0,750	6	☉	☉

Shoulder milling $a_e \leq 0.03 \times D_c$ for ISO-P

Shoulder milling $a_e \leq 0.015 \times D_c$ for ISO-M and ISO-S

Ordering example for the WJ30RD grade: MD133.6.35W5X038L-WJ30RD

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

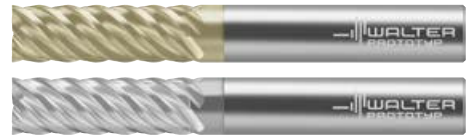
machining conditions

•• Primary application

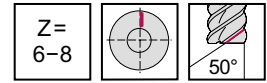
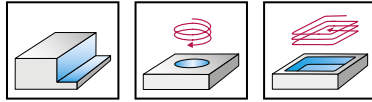
• Other application

Solid carbide shoulder milling cutters

MD128 Supreme



- Type N 50



	P	M	K	N	S	H	O
WJ30RA		●●			●●		
WJ30RD	●●		●				

PROTOTYP TOOLS STANDARD

	Designation	D_c h10 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30RA	WJ30RD
Shank DIN 6535 HA 	MD128-06.0A6LJ-	6	18	65	29	6	6	☺	☹
	MD128-08.0A6LJ-	8	24	68	32	8	6	☺	☹
	MD128-10.0A6LJ-	10	30	80	40	10	6	☺	☹
	MD128-12.0A6LJ-	12	36	93	48	12	6	☺	☹
	MD128-16.0A6LJ-	16	48	115	67	16	6	☺	☹
	MD128-20.0A8LJ-	20	60	125	75	20	8	☺	☹
	MD128-25.0A8LJ-	25	75	150	94	25	8	☺	☹

 Shoulder milling $a_e \leq 0.10 \times D_c$ for ISO-P

 Shoulder milling $a_e \leq 0.03 \times D_c$ for ISO-M and ISO-S

Ordering example for the WJ30RA grade: MD128-06.0A6LJ-WJ30RA

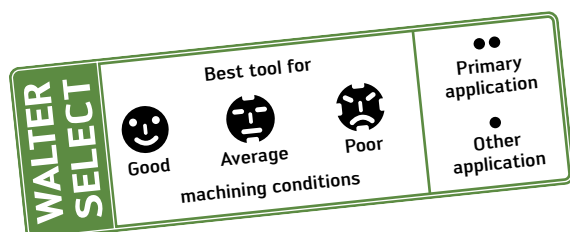
PROTOTYP TOOLS STANDARD

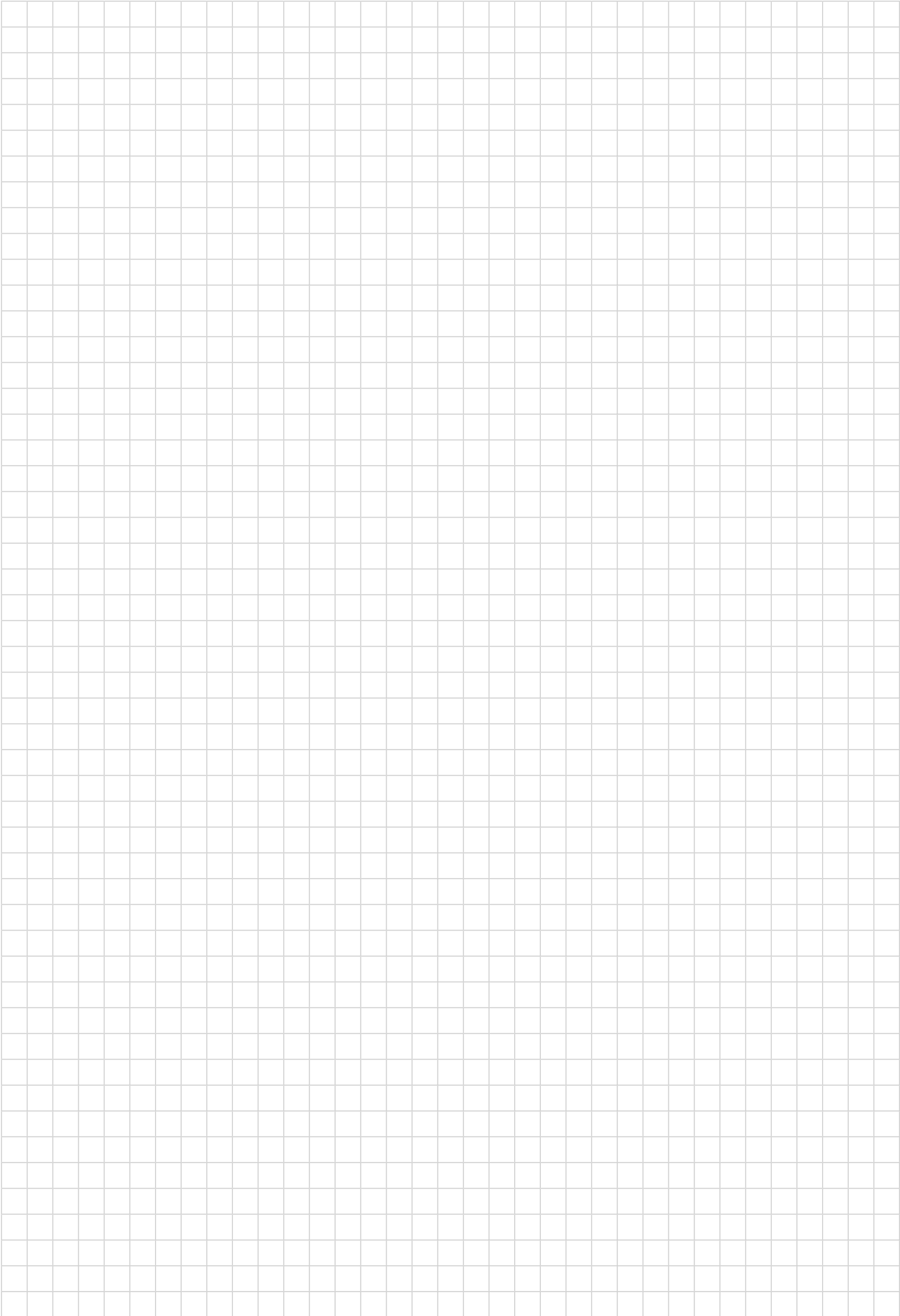
	Designation	D_c h9 mm	R mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30RA	WJ30RD
Shank DIN 6535 HA 	MD128-06.0A6L050J-	6	0,5	18	65	29	6	6	☺	☹
	MD128-08.0A6L050J-	8	0,5	24	68	32	8	6	☺	☹
	MD128-10.0A6L050J-	10	0,5	30	80	40	10	6	☺	☹
	MD128-10.0A6L100J-	10	1	30	80	40	10	6	☺	☹
	MD128-12.0A6L050J-	12	0,5	36	93	48	12	6	☺	☹
	MD128-12.0A6L100J-	12	1	36	93	48	12	6	☺	☹
	MD128-12.0A6L200J-	12	2	36	93	48	12	6	☺	☹
	MD128-16.0A6L050J-	16	0,5	48	115	67	16	6	☺	☹
	MD128-16.0A6L100J-	16	1	48	115	67	16	6	☺	☹
	MD128-16.0A6L200J-	16	2	48	115	67	16	6	☺	☹
	MD128-20.0A8L100J-	20	1	60	125	75	20	8	☺	☹
	MD128-20.0A8L400J-	20	4	60	125	75	20	8	☺	☹
	MD128-25.0A8L100J-	25	1	75	150	94	25	8	☺	☹
	MD128-25.0A8L400J-	25	4	75	150	94	25	8	☺	☹

 Shoulder milling $a_e \leq 0.10 \times D_c$ for ISO-P

 Shoulder milling $a_e \leq 0.03 \times D_c$ for ISO-M and ISO-S

Ordering example for the WJ30RA grade: MD128-06.0A6L050J-WJ30RA



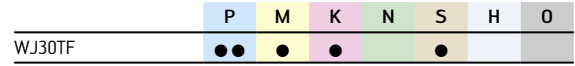
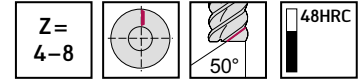
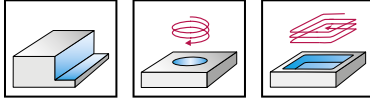


Solid carbide shoulder milling cutters

MC128 Advance



- Type N 50



DIN 6527 L		D_c h10 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30TF
Shank DIN 6535 HA	MC128-02.0A4B-	2	7	57	21	6	4	●
	MC128-03.0A4B-	3	8	57	21	6	4	●
	MC128-04.0A4B-	4	11	57	21	6	4	●
	MC128-05.0A5B-	5	13	57	21	6	5	●
	MC128-06.0A6B-	6	13	57	21	6	6	●
	MC128-08.0A6B-	8	19	63	27	8	6	●
	MC128-10.0A6B-	10	22	72	32	10	6	●
	MC128-12.0A6B-	12	26	83	38	12	6	●
	MC128-16.0A6B-	16	32	92	44	16	6	●
	MC128-20.0A8B-	20	38	104	54	20	8	●
	MC128-25.0A8B-	25	45	121	65	25	8	●

 Shoulder milling $a_e \leq 0.1 \times D_c$

Ordering example for the WJ30TF grade: MC128-02.0A4B-WJ30TF

DIN 6527 L		D_c h9 mm	R mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30TF
Shank DIN 6535 HA	MC128-06.0A6B050-	6	0,5	13	57	21	6	6	●
	MC128-08.0A6B050-	8	0,5	19	63	27	8	6	●
	MC128-08.0A6B100-	8	1	19	63	27	8	6	●
	MC128-10.0A6B050-	10	0,5	22	72	32	10	6	●
	MC128-10.0A6B100-	10	1	22	72	32	10	6	●
	MC128-10.0A6B200-	10	2	22	72	32	10	6	●
	MC128-12.0A6B050-	12	0,5	26	83	38	12	6	●
	MC128-12.0A6B100-	12	1	26	83	38	12	6	●
	MC128-12.0A6B200-	12	2	26	83	38	12	6	●
	MC128-12.0A6B300-	12	3	26	83	38	12	6	●
	MC128-16.0A6B050-	16	0,5	32	92	44	16	6	●
	MC128-16.0A6B100-	16	1	32	92	44	16	6	●
	MC128-16.0A6B200-	16	2	32	92	44	16	6	●
	MC128-16.0A6B300-	16	3	32	92	44	16	6	●
	MC128-20.0A8B100-	20	1	38	104	54	20	8	●
	MC128-20.0A8B200-	20	2	38	104	54	20	8	●
	MC128-20.0A8B300-	20	3	38	104	54	20	8	●
	MC128-20.0A8B400-	20	4	38	104	54	20	8	●

 Shoulder milling $a_e \leq 0.1 \times D_c$

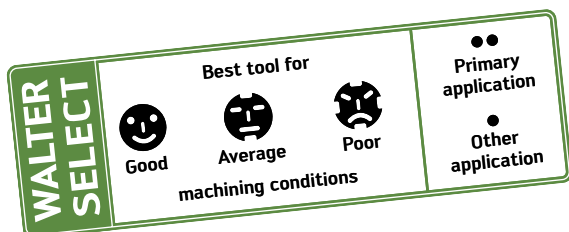
Ordering example for the WJ30TF grade: MC128-06.0A6B050-WJ30TF

STANDARD		D_c h10 Inch/No.	L_c inch	l_1 inch	l_4 inch	d_1 h6 inch	Z	WJ30TF
Shank DIN 6535 HA 	MC128.6.35A6C-	1/4"	0,500	2,500	1,083	0,250	6	☺
	MC128.9.53A6C-	3/8"	0,500	2,500	0,937	0,375	6	☺
Shank DIN 6535 HA 	MC128.9.53A6D-	3/8"	1,000	3,000	1,437	0,375	6	☺
	MC128.12.7A6DI-	1/2"	1,000	3,500	1,717	0,500	6	☺
	MC128.12.7A6D-	1/2"	1,250	3,500	1,717	0,500	6	☺
	MC128.15.9A6DI-	5/8"	1,250	4,000	2,094	0,625	6	☺
	MC128.15.9A6D-	5/8"	1,625	4,000	2,094	0,625	6	☺
	MC128.19.1A8D-	3/4"	1,625	4,500	2,469	0,750	8	☺
Shank DIN 6535 HA 	MC128.6.35A6L-	1/4"	1,000	3,000	1,583	0,250	6	☺
	MC128.19.1A8L-	3/4"	2,250	5,000	2,969	0,750	8	☺

Slot milling $a_p \leq 0.1 \times D_c$
 Shoulder milling $a_e \leq 0.1 \times D_c$
 Ordering example for the WJ30TF grade: MC128.6.35A6C-WJ30TF

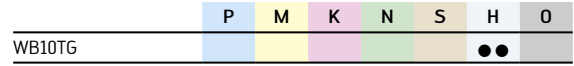
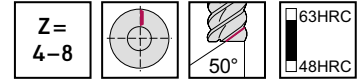
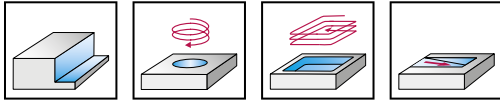
STANDARD		D_c h9 Inch/No.	R inch	L_c inch	l_1 inch	l_4 inch	d_1 h6 inch	Z	WJ30TF
Shank DIN 6535 HA 	MC128.6.35A6D038-	1/4"	0,015	0,625	2,500	1,083	0,250	6	☺
	MC128.6.35A6D076-	1/4"	0,030	0,625	2,500	1,083	0,250	6	☺
	MC128.9.53A6D038-	3/8"	0,015	1,000	3,000	1,437	0,375	6	☺
	MC128.9.53A6D076-	3/8"	0,030	1,000	3,000	1,437	0,375	6	☺
	MC128.12.7A6D076-	1/2"	0,030	1,250	3,500	1,717	0,500	6	☺
	MC128.12.7A6D152-	1/2"	0,060	1,250	3,500	1,717	0,500	6	☺
	MC128.12.7A6D228-	1/2"	0,090	1,250	3,500	1,717	0,500	6	☺
	MC128.12.7A6D318-	1/2"	0,125	1,250	3,500	1,717	0,500	6	☺
	MC128.15.9A6D076-	5/8"	0,030	1,625	4,000	2,094	0,625	6	☺
	MC128.15.9A6D152-	5/8"	0,060	1,625	4,000	2,094	0,625	6	☺
	MC128.19.1A8D076-	3/4"	0,030	1,750	4,500	2,469	0,750	8	☺
	MC128.19.1A8D318-	3/4"	0,125	1,750	4,500	2,469	0,750	8	☺
	MC128.19.1A8D635-	3/4"	0,250	1,750	4,500	2,469	0,750	8	☺

Slot milling $a_p \leq 0.1 \times D_c$
 Shoulder milling $a_e \leq 0.1 \times D_c$
 Ordering example for the WJ30TF grade: MC128.6.35A6D038-WJ30TF



Solid carbide shoulder milling cutters

MC187 Advance



DIN 6527 L

	Designation	D_c h10 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TG
Shank DIN 6535 HA 	MC187-03.0A4B-	3	8	57	21	6	4	☺
	MC187-04.0A4B-	4	11	57	21	6	4	☺
	MC187-05.0A4B-	5	13	57	21	6	4	☺
	MC187-06.0A6B-	6	13	57	21	6	6	☺
	MC187-08.0A6B-	8	19	63	27	8	6	☺
	MC187-10.0A6B-	10	22	72	32	10	6	☺
	MC187-12.0A6B-	12	26	83	38	12	6	☺
	MC187-16.0A6B-	16	32	92	44	16	6	☺
	MC187-20.0A8B-	20	38	104	54	20	8	☺
	MC187-25.0A8B-	25	45	121	65	25	8	☺

Shoulder milling $a_e \leq 0.1 \times D_c$

Ordering example for the WB10TG grade: MC187-03.0A4B-WB10TG

PROTOTYP TOOLS STANDARD L

	Designation	D_c h10 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TG
Shank DIN 6535 HA 	MC187-06.0A6L-	6	26	75	34	6	6	☺
	MC187-08.0A6L-	8	36	80	44	8	6	☺
	MC187-10.0A6L-	10	46	100	60	10	6	☺
	MC187-12.0A6L-	12	55	110	65	12	6	☺
	MC187-16.0A6L-	16	66	130	82	16	6	☺
	MC187-20.0A8L-	20	80	145	95	20	8	☺
	MC187-25.0A8L-	25	90	153	97	25	8	☺

Shoulder milling $a_e \leq 0.1 \times D_c$

Ordering example for the WB10TG grade: MC187-06.0A6L-WB10TG

DIN 6527 L		D_c h9 mm	R mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TG
Shank DIN 6535 HA 	MC187-03.0A4B050-	3	0,5	8	57	21	6	4	☺
	MC187-04.0A4B050-	4	0,5	11	57	21	6	4	☺
	MC187-04.0A4B100-	4	1	11	57	21	6	4	☺
	MC187-05.0A6B050-	5	0,5	13	57	21	6	6	☺
	MC187-05.0A6B100-	5	1	13	57	21	6	6	☺
	MC187-06.0A6B050-	6	0,5	13	57	21	6	6	☺
	MC187-06.0A6B100-	6	1	13	57	21	6	6	☺
	MC187-08.0A6B050-	8	0,5	19	63	27	8	6	☺
	MC187-08.0A6B100-	8	1	19	63	27	8	6	☺
	MC187-08.0A6B200-	8	2	19	63	27	8	6	☺
	MC187-10.0A6B050-	10	0,5	22	72	32	10	6	☺
	MC187-10.0A6B100-	10	1	22	72	32	10	6	☺
	MC187-10.0A6B200-	10	2	22	72	32	10	6	☺
	MC187-12.0A6B050-	12	0,5	26	83	38	12	6	☺
	MC187-12.0A6B100-	12	1	26	83	38	12	6	☺
	MC187-12.0A6B200-	12	2	26	83	38	12	6	☺
	MC187-12.0A6B300-	12	3	26	83	38	12	6	☺

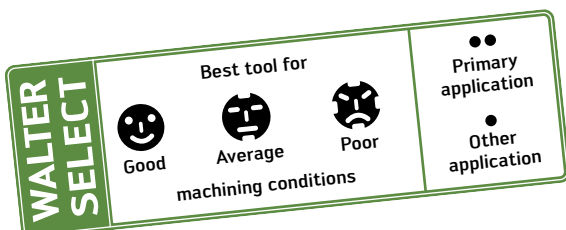
Shoulder milling $a_e \leq 0.1 \times D_c$

Ordering example for the WB10TG grade: MC187-03.0A4B050-WB10TG

STANDARD		D_c h9 Inch/No.	R inch	L_c inch	l_1 inch	l_4 inch	d_1 h5 inch	Z	WB10TG
Shank DIN 6535 HA 	MC187.3.18A4D038-	1/8"	0,015	0,500	2,500	1,083	0,250	4	☺
	MC187.4.76A4D038-	3/16"	0,015	0,625	2,500	1,083	0,250	4	☺
	MC187.6.35A6D038-	1/4"	0,015	0,750	3,000	1,583	0,250	6	☺
	MC187.7.94A6D051-	5/16"	0,020	0,813	3,000	1,437	0,375	6	☺
	MC187.9.53A6D076-	3/8"	0,030	0,875	3,000	1,437	0,375	6	☺
	MC187.12.7A6D076-	1/2"	0,030	1,000	4,500	2,717	0,500	6	☺
	MC187.15.9A6D152-	5/8"	0,060	1,250	5,000	3,094	0,625	6	☺
	MC187.19.1A8D152-	3/4"	0,060	1,500	5,000	2,969	0,750	8	☺

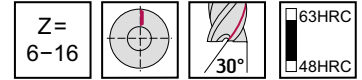
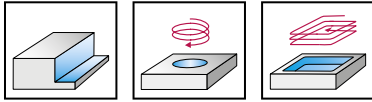
Shoulder milling $a_e \leq 0.1 \times D_c$

Ordering example for the WB10TG grade: MC187.3.18A4D038-WB10TG



Solid carbide shoulder milling cutters

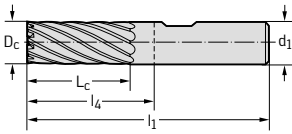
MC183 Advance



	P	M	K	N	S	H	O
WB10TG						••	

DIN 6527 L

	Designation	D_c h10 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TG
Shank DIN 6535 HB	MC183-06.0W6B-	6	13	57	21	6	6	☺
	MC183-08.0W8B-	8	19	63	27	8	8	☺
	MC183-10.0W10B-	10	22	72	32	10	10	☺
	MC183-12.0W12B-	12	26	83	38	12	12	☺
	MC183-16.0W16B-	16	32	92	44	16	16	☺



Shoulder milling $a_e \leq 0.05 \times D_c$
 Ordering example for the WB10TG grade: MC183-06.0W6B-WB10TG

WALTER SELECT

Best tool for

☺
Good

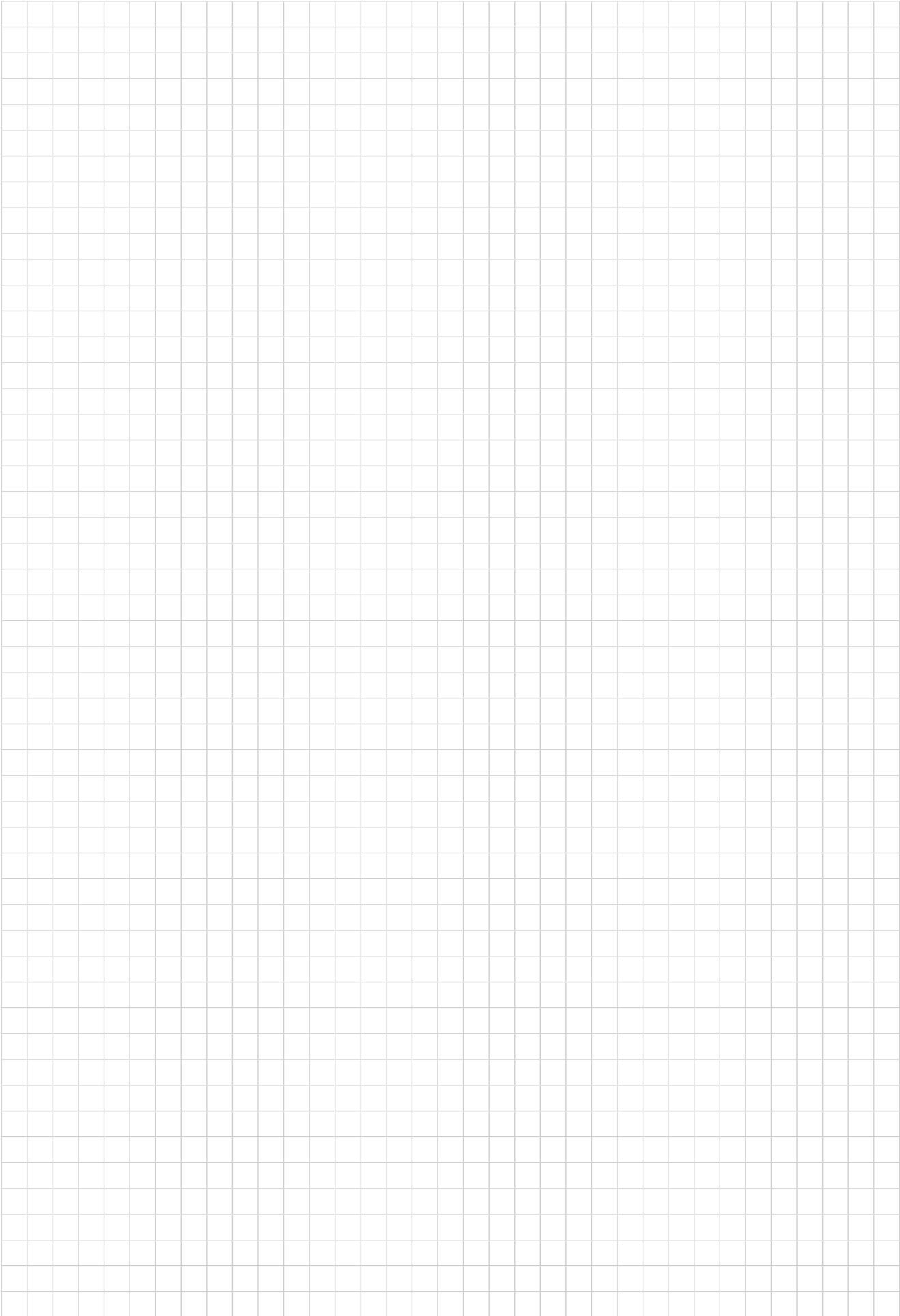
☹
Average

☹
Poor

machining conditions

•• Primary application

• Other application



Walter Select solid carbide milling tools Shoulder/slot milling cutters

Machining					
Helix angle	45°	50°	35°	50°	30°
Designation	H4036217 H4133217 Proto-max™ _{ST}	H4038217 H4134217 H4138217 Proto-max™ _{ST}	H4135217 H4137217 Proto-max™ _{ST}	MC388 Advance	H8015828 Protostar® Ultra
Dia. range [mm]	2–20	3–20	6–25	2–12,7	4–16
Z	3	4	5	3–4	4
Corner radius [mm]	0–0,4	0–4	0–2	0–3	0,2–2
Standard	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD	DIN 6527 L	DIN 6527 L PROTOTYP TOOLS STANDARD L	P STANDARD L PROTOTYP TOOLS STANDARD L
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
P Steel	••	••	••	•	
M Stainless steel	•	•	•		
K Cast iron					
N NF metals					
S Materials with difficult cutting properties					
H Hard materials				••	••
O Other					

	30°	38°	35°
	MC281 Advance	MC230 Advance Xill-tec™	MC232 Perform
	1-4	2-25	2-20
	2	4	2-4
	0,2-0,5	0-4	0-4
	PROTOTYP TOOLS STANDARD MINI DIN 6535 HA	DIN 6527 L DIN 6535 HA DIN 6535 HB	DIN 6527 L STANDARD DIN 6535 HA DIN 6535 HB
		••	••
		•	•
		•	•
		•	
		•	
	••		

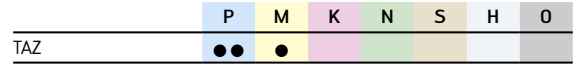
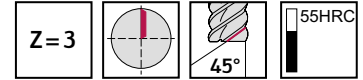
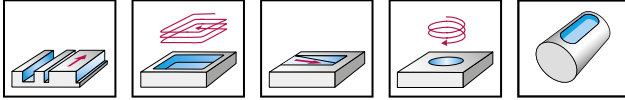
Solid carbide shoulder/slot milling cutters

H4036217

Proto-max™_{ST}



– Long reach



PROTOTYP TOOLS STANDARD

	Designation TAZ	D_c e8 mm	R mm	L_c mm	l_3 mm	d_2 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	
	Shank DIN 6535 HA	H4036217-2	2	0,08	5	8	1,9	57	21	6	3
	H4036217-3	3	0,08	7	11	2,9	57	21	6	3	
	H4036217-4	4	0,08	9	15	3,8	57	21	6	3	
	H4036217-5	5	0,16	11	16	4,8	57	21	6	3	
	H4036217-6	6	0,16	13	19	5,7	57	21	6	3	
	H4036217-8	8	0,16	18	25	7,6	63	27	8	3	
	H4036217-10	10	0,25	22	30	9,5	72	32	10	3	
	H4036217-12	12	0,25	26	36	11,4	83	38	12	3	
	H4036217-16	16	0,25	34	42	15,2	92	44	16	3	
	H4036217-20	20	0,4	42	52	19	104	54	20	3	

Slot milling $a_p \leq 2.0 \times D_c$

Shoulder milling $a_e \leq 0.3 \times D_c$

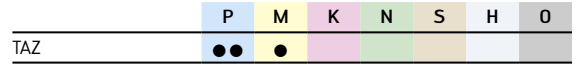
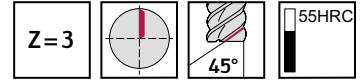
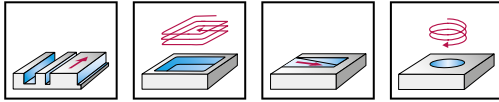
Solid carbide shoulder/slot milling cutters

H4133217 / H4036217

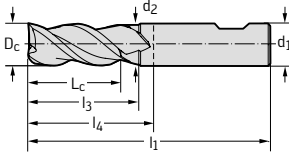
Proto-max™_{ST}



– Long reach

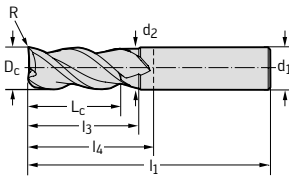


PROTOTYP TOOLS STANDARD		D _c h9 mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
Shank DIN 6535 HB	H4133217-10	10	22	30	9,5	72	32	10	3
	H4133217-12	12	26	36	11,4	83	38	12	3
	H4133217-16	16	34	42	15,2	92	44	16	3
	H4133217-20	20	42	52	19	104	54	20	3

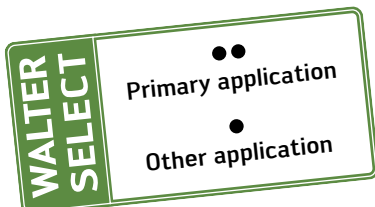


Slot milling $a_p \leq 2.0 \times D_c$
Shoulder milling $a_e \leq 0.3 \times D_c$

PROTOTYP TOOLS STANDARD		D _c e8 mm	R mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
Shank DIN 6535 HA	H4036217-2	2	0,08	5	8	1,9	57	21	6	3
	H4036217-3	3	0,08	7	11	2,9	57	21	6	3
	H4036217-4	4	0,08	9	15	3,8	57	21	6	3
	H4036217-5	5	0,16	11	16	4,8	57	21	6	3
	H4036217-6	6	0,16	13	19	5,7	57	21	6	3
	H4036217-8	8	0,16	18	25	7,6	63	27	8	3
	H4036217-10	10	0,25	22	30	9,5	72	32	10	3
	H4036217-12	12	0,25	26	36	11,4	83	38	12	3
	H4036217-16	16	0,25	34	42	15,2	92	44	16	3
	H4036217-20	20	0,4	42	52	19	104	54	20	3



Slot milling $a_p \leq 2.0 \times D_c$
Shoulder milling $a_e \leq 0.3 \times D_c$



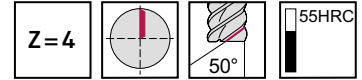
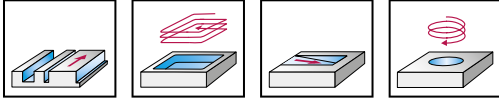
Solid carbide shoulder/slot milling cutters

H4134217

Proto-max™_{ST}



– Long reach



	P	M	K	N	S	H	O
TAZ	●●	●					

PROTOTYP TOOLS STANDARD

	Designation TAZ	D _c h9 mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
	Shank DIN 6535 HB								
	H4134217-10	10	16	28	9,5	72	32	10	4
	H4134217-12	12	19	33	11,4	83	38	12	4
	H4134217-14	14	22	36	13,3	83	38	14	4
	H4134217-16	16	26	42	15,2	92	44	16	4
	H4134217-18	18	29	42	17,1	92	44	18	4
H4134217-20	20	32	52	19	104	54	20	4	

Slot milling $a_p \leq 1.5 \times D_c$
Shoulder milling $a_e \leq 0.5 \times D_c$

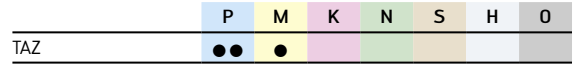
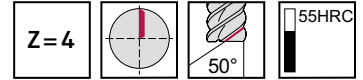
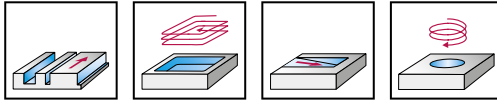
Solid carbide shoulder/slot milling cutters

H4038217 / H4138217

Proto-max™_{ST}

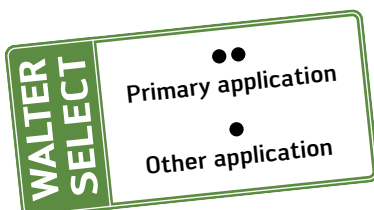


– Long reach



PROTOTYP TOOLS STANDARD		Designation TAZ	D _c h9 mm	R mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
Shank DIN 6535 HA		H4038217-3-0.2	3	0,2	5	9	2,9	57	21	6	4
		H4038217-3-0.5	3	0,5	5	9	2,9	57	21	6	4
		H4038217-4-0.2	4	0,2	7	11	3,8	57	21	6	4
		H4038217-4-0.5	4	0,5	7	11	3,8	57	21	6	4
		H4038217-5-0.5	5	0,5	8	14	4,8	57	21	6	4
		H4038217-5-1	5	1	8	14	4,8	57	21	6	4
		H4038217-6-0.5	6	0,5	10	16	5,7	57	21	6	4
		H4038217-6-1	6	1	10	16	5,7	57	21	6	4
		H4038217-8-0.5	8	0,5	13	22	7,6	63	27	8	4
		H4038217-8-1	8	1	13	22	7,6	63	27	8	4
		H4038217-8-2	8	2	13	22	7,6	63	27	8	4
		H4038217-10-0.5	10	0,5	16	28	9,5	72	32	10	4
		H4038217-10-1	10	1	16	28	9,5	72	32	10	4
		H4038217-10-2	10	2	16	28	9,5	72	32	10	4
		H4038217-12-0.5	12	0,5	19	33	11,4	83	38	12	4
		H4038217-12-1	12	1	19	33	11,4	83	38	12	4
		H4038217-12-2	12	2	19	33	11,4	83	38	12	4
		H4038217-16-0.5	16	0,5	26	42	15,2	92	44	16	4
		H4038217-16-1	16	1	26	42	15,2	92	44	16	4
		H4038217-16-2	16	2	26	42	15,2	92	44	16	4
		H4038217-20-1	20	1	32	52	19	104	54	20	4
		H4038217-20-2	20	2	32	52	19	104	54	20	4
		H4038217-20-4	20	4	32	52	19	104	54	20	4
Shank DIN 6535 HB		H4138217-10-0.5	10	0,5	16	28	9,5	72	32	10	4
		H4138217-10-1	10	1	16	28	9,5	72	32	10	4
		H4138217-10-2	10	2	16	28	9,5	72	32	10	4
		H4138217-12-0.5	12	0,5	19	33	11,4	83	38	12	4
		H4138217-12-1	12	1	19	33	11,4	83	38	12	4
		H4138217-12-2	12	2	19	33	11,4	83	38	12	4
		H4138217-16-0.5	16	0,5	26	42	15,2	92	44	16	4
		H4138217-16-1	16	1	26	42	15,2	92	44	16	4
		H4138217-16-2	16	2	26	42	15,2	92	44	16	4
		H4138217-20-1	20	1	32	52	19	104	54	20	4
		H4138217-20-2	20	2	32	52	19	104	54	20	4
		H4138217-20-4	20	4	32	52	19	104	54	20	4

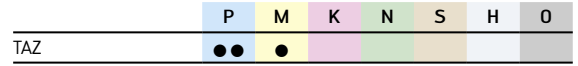
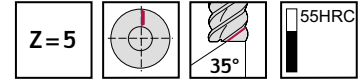
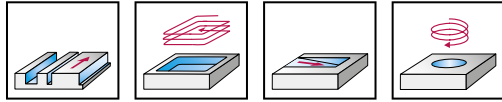
Slot milling $a_p \leq 1.5 \times D_c$
Shoulder milling $a_e \leq 0.5 \times D_c$



Solid carbide shoulder/slot milling cutters

H4135217 / H4137217

Proto-max™_{ST}



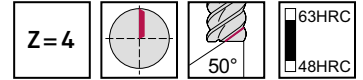
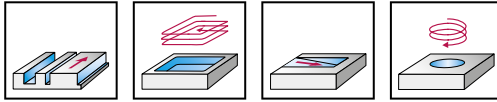
DIN 6527 L	Designation TAZ	D _c h9 mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z
Shank DIN 6535 HB 	H4135217-6	6	13	57	21	6	5
	H4135217-8	8	19	63	27	8	5
	H4135217-10	10	22	72	32	10	5
	H4135217-12	12	26	83	38	12	5
	H4135217-16	16	32	92	44	16	5
	H4135217-20	20	38	104	54	20	5
	H4135217-25	25	45	121	65	25	5

Slot milling $a_p \leq 1.0 \times D_c$
Shoulder milling $a_e \leq 0.6 \times D_c$

DIN 6527 L	Designation TAZ	D _c h9 mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z
Shank DIN 6535 HB 	H4137217-6-0.5	6	0,5	13	57	21	6	5
	H4137217-6-1	6	1	13	57	21	6	5
	H4137217-8-0.5	8	0,5	19	63	27	8	5
	H4137217-8-1	8	1	19	63	27	8	5
	H4137217-8-2	8	2	19	63	27	8	5
	H4137217-10-0.5	10	0,5	22	72	32	10	5
	H4137217-10-1	10	1	22	72	32	10	5
	H4137217-10-2	10	2	22	72	32	10	5
	H4137217-12-0.5	12	0,5	26	83	38	12	5
	H4137217-12-1	12	1	26	83	38	12	5
	H4137217-12-2	12	2	26	83	38	12	5
	H4137217-16-0.5	16	0,5	32	92	44	16	5
	H4137217-16-1	16	1	32	92	44	16	5
	H4137217-16-2	16	2	32	92	44	16	5
	H4137217-20-1	20	1	38	104	54	20	5

Slot milling $a_p \leq 1.0 \times D_c$
Shoulder milling $a_e \leq 0.6 \times D_c$

Solid carbide shoulder/slot milling cutters MC388 Advance



P	M	K	N	S	H	O
●	●	●	●	●	●	●

DIN 6527 L		D_c h10 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TG
Shank DIN 6535 HA	MC388-06.0A4B-	6	13	57	21	6	4	☺
	MC388-08.0A4B-	8	19	63	27	8	4	☺
	MC388-10.0A4B-	10	22	72	32	10	4	☺
	MC388-12.0A4B-	12	26	83	38	12	4	☺
Shank DIN 6535 HB	MC388-06.0W4B-	6	13	57	21	6	4	☺
	MC388-08.0W4B-	8	19	63	27	8	4	☺
	MC388-10.0W4B-	10	22	72	32	10	4	☺
	MC388-12.0AWB-	12	26	83	38	12	4	☺

Slot milling $a_p \leq 0.9 \times D_c$
Shoulder milling $a_e \leq 0.3 \times D_a$
Ordering example for the WB10TG grade: MC388-06.0A4B-WB10TG

DIN 6527 L		D_c h10 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TG
Shank DIN 6535 HA	MC388-02.0A3B-	2	7	57	21	6	3	☺
	MC388-03.0A3B-	3	8	57	21	6	3	☺
	MC388-04.0A3B-	4	11	57	21	6	3	☺
	MC388-05.0A3B-	5	13	57	21	6	3	☺
	MC388-06.0A4L-	6	13	65	29	6	4	☺
	MC388-08.0A4L-	8	19	80	44	8	4	☺
	MC388-10.0A4L-	10	22	100	60	10	4	☺
	MC388-12.0A4L-	12	26	100	55	12	4	☺

Slot milling $a_p \leq 0.9 \times D_c$
Shoulder milling $a_e \leq 0.3 \times D_a$
Ordering example for the WB10TG grade: MC388-02.0A3B-WB10TG

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

machining conditions

●● Primary application

● Other application

**PROTOTYP TOOLS
STANDARD L**

	Designation	D_c h10 Inch/No.	L_c inch	l_1 inch	l_4 inch	d_1 h6 inch	Z	WB10TG
Shank DIN 6535 HA 	MC388.3.18A3L-	1/8"	0,500	2,500	1,083	0,250	3	☺
	MC388.4.76A3L-	3/16"	0,625	2,500	1,083	0,250	3	☺
	MC388.6.35A4L-	1/4"	0,750	2,500	1,083	0,250	4	☺
	MC388.9.53A4L-	3/8"	0,875	3,000	1,437	0,375	4	☺
	MC388.12.7A4L-	1/2"	1,000	3,500	1,717	0,500	4	☺

 Slot milling $a_p \leq 0.9 \times D_c$

 Shoulder milling $a_e \leq 0.3 \times D_a$

Ordering example for the WB10TG grade: MC388.3.18A3L-WB10TG

DIN 6527 L

	Designation	D_c h9 mm	R mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TG
Shank DIN 6535 HA 	MC388-02.0A3B050-	2	0,5	7	57	21	6	3	☺
	MC388-03.0A3B050-	3	0,5	8	57	21	6	3	☺
	MC388-04.0A3B050-	4	0,5	11	57	21	6	3	☺
	MC388-04.0A3B100-	4	1	11	57	21	6	3	☺
	MC388-05.0A3B050-	5	0,5	13	57	21	6	3	☺
	MC388-05.0A3B100-	5	1	13	57	21	6	3	☺
	MC388-06.0A4L050-	6	0,5	13	65	29	6	4	☺
	MC388-06.0A4L100-	6	1	13	65	29	6	4	☺
	MC388-08.0A4L050-	8	0,5	19	80	44	8	4	☺
	MC388-08.0A4L100-	8	1	19	80	44	8	4	☺
	MC388-08.0A4L200-	8	2	19	80	44	8	4	☺
	MC388-10.0A4L050-	10	0,5	22	100	60	10	4	☺
	MC388-10.0A4L100-	10	1	22	100	60	10	4	☺
	MC388-10.0A4L200-	10	2	22	100	60	10	4	☺
	MC388-12.0A4L050-	12	0,5	26	100	55	12	4	☺
	MC388-12.0A4L100-	12	1	26	100	55	12	4	☺
	MC388-12.0A4L200-	12	2	26	100	55	12	4	☺
	MC388-12.0A4L300-	12	3	26	100	55	12	4	☺

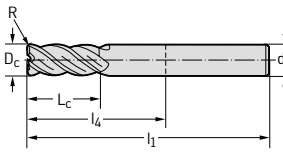
 Slot milling $a_p \leq 0.9 \times D_c$

 Shoulder milling $a_e \leq 0.3 \times D_a$

Ordering example for the WB10TG grade: MC388-02.0A3B050-WB10TG

**PROTOTYP TOOLS
STANDARD L**

Shank DIN 6535 HA



Designation	D _c h10 Inch/No.	R inch	L _c inch	l ₁ inch	l ₄ inch	d ₁ h6 inch	Z	WB10TG
MC388.3.18A3L038-	1/8"	0,015	0,500	2,500	1,083	0,250	3	☺
MC388.4.76A3L038-	3/16"	0,015	0,625	2,500	1,083	0,250	3	☺
MC388.6.35A4L038-	1/4"	0,015	0,750	2,500	1,083	0,250	4	☺
MC388.9.53A4L076-	3/8"	0,030	0,875	3,000	1,437	0,375	4	☺
MC388.12.7A4L076-	1/2"	0,030	1,000	3,500	1,717	0,500	4	☺

Slot milling $a_p \leq 0.9 \times D_c$

Shoulder milling $a_e \leq 0.3 \times D_a$

Ordering example for the WB10TG grade: MC388.3.18A3L038-WB10TG

WALTER
SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

machining conditions

••
Primary application

•
Other application

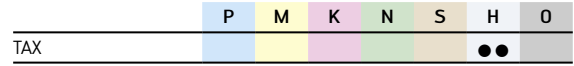
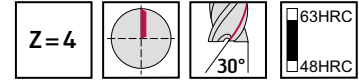
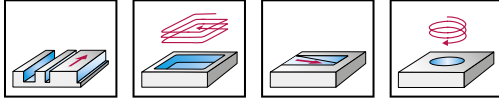
Solid carbide shoulder/slot milling cutters

H8015828

Protostar® Ultra

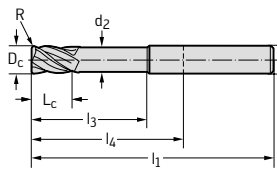


- Long reach
- Type HSC 30



PROTOTYP TOOLS STANDARD L

Shank DIN 6535 HA



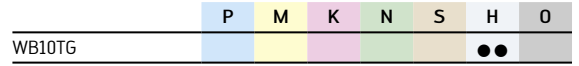
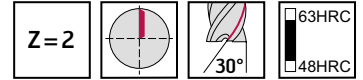
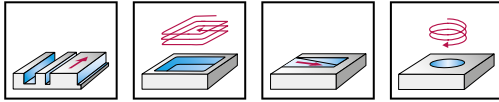
Designation TAX	D _c h7 mm	R mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z
H8015828-4-0.4-16	4	0,4	4	16	3,9	75	39	6	4
H8015828-4-0.4-24	4	0,4	4	24	3,9	75	39	6	4
H8015828-5-0.5-20	5	0,5	5	20	4,9	75	39	6	4
H8015828-5-0.5-30	5	0,5	5	30	4,9	75	39	6	4
H8015828-6-0.2-24	6	0,2	6	24	5,9	75	39	6	4
H8015828-6-0.2-35	6	0,2	6	35	5,9	75	39	6	4
H8015828-6-0.5-24	6	0,5	6	24	5,9	75	39	6	4
H8015828-6-0.5-35	6	0,5	6	35	5,9	75	39	6	4
H8015828-8-0.5-29	8	0,5	8	29	7,9	80	44	8	4
H8015828-8-0.5-43	8	0,5	8	43	7,9	80	44	8	4
H8015828-8-1.0-29	8	1	8	29	7,9	80	44	8	4
H8015828-8-1.0-43	8	1	8	43	7,9	80	44	8	4
H8015828-8-1.5-29	8	1,5	8	29	7,9	80	44	8	4
H8015828-10-0.3-35	10	0,3	10	35	9,9	100	60	10	4
H8015828-10-0.5-35	10	0,5	10	35	9,9	100	60	10	4
H8015828-10-0.5-59	10	0,5	10	59	9,9	100	60	10	4
H8015828-10-1.0-35	10	1	10	35	9,9	100	60	10	4
H8015828-10-1.0-59	10	1	10	59	9,9	100	60	10	4
H8015828-10-1.5-35	10	1,5	10	35	9,9	100	60	10	4
H8015828-12-0.5-36	12	0,5	12	36	11,8	100	55	12	4
H8015828-12-0.5-54	12	0,5	12	54	11,8	100	55	12	4
H8015828-12-1.0-36	12	1	12	36	11,8	100	55	12	4
H8015828-12-1.0-54	12	1	12	54	11,8	100	55	12	4
H8015828-12-1.5-36	12	1,5	12	36	11,8	100	55	12	4
H8015828-12-1.5-54	12	1,5	12	54	11,8	100	55	12	4
H8015828-12-2.0-36	12	2	12	36	11,8	100	55	12	4
H8015828-12-2.0-54	12	2	12	54	11,8	100	55	12	4
H8015828-16-2.0-42	16	2	16	42	15,8	115	67	16	4

Slot milling $a_p \leq 0.1 \times D_c$
Shoulder milling $a_e \leq 0.1 \times D_c$

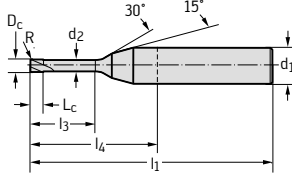
Solid carbide shoulder/slot milling cutters MC281 Advance



- Long reach



PROTOTYP TOOLS STANDARD MINI		D_c h7 mm	R mm	L_c mm	l_3 mm	d_2 mm	l_1 mm	l_4 mm	d_1 h5 mm	Z	WB10TG
Shank DIN 6535 HA											
	MC281-01.0A2M020B-	1	0,2	1	2	1,0	50	22	4	2	☺
	MC281-01.0A2M020F-	1	0,2	1	6	1,0	50	22	4	2	☺
	MC281-01.0A2M020H-	1	0,2	1	10	1,0	50	22	4	2	☺
	MC281-1.25A2M020D-	1,25	0,2	1	5	1,2	50	22	4	2	☺
	MC281-01.5A2M020C-	1,5	0,2	2	4	1,5	50	22	4	2	☺
	MC281-01.5A2M020E-	1,5	0,2	2	8	1,5	50	22	4	2	☺
	MC281-01.5A2M020G-	1,5	0,2	2	12	1,5	50	22	4	2	☺
	MC281-02.0A2M020B-	2	0,2	2	4	2,0	50	22	4	2	☺
	MC281-02.0A2M020C-	2	0,2	2	6	2,0	50	22	4	2	☺
	MC281-02.0A2M020F-	2	0,2	2	12	2,0	50	22	4	2	☺
	MC281-02.0A2M020G-	2	0,2	2	16	2,0	50	22	4	2	☺
	MC281-03.0A2M020C-	3	0,2	3	8	3,0	50	22	4	2	☺
	MC281-03.0A2M020E-	3	0,2	3	16	3,0	50	22	4	2	☺
	MC281-03.0A2M020F-	3	0,2	3	20	3,0	60	32	4	2	☺
	MC281-04.0A2M050C-	4	0,5	4	12	4,0	65	29	6	2	☺
	MC281-04.0A2M050E-	4	0,5	4	20	4,0	65	29	6	2	☺



Slot milling $a_p \leq 0.1 \times D_c$
 Shoulder milling $a_e \leq 0.1 \times D_c$
 Ordering example for the WB10TG grade: MC281-01.0A2M020B-WB10TG

WALTER SELECT

Best tool for machining conditions

☺ Good ☹ Average ☹ Poor

•• Primary application
• Other application

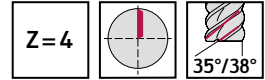
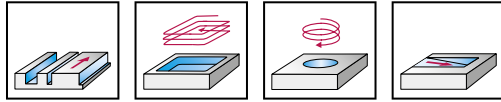
Solid carbide shoulder/slot milling cutters

MC230 Advance

Xill-tec™



– Long reach



	P	M	K	N	S	H	O
WK40TF	●	●	●	●	●		

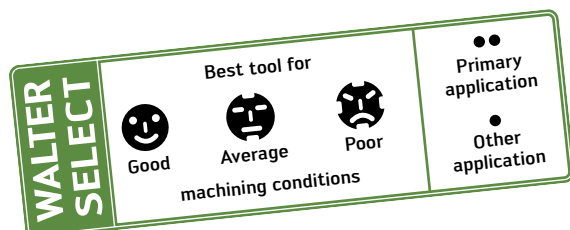
DIN 6527 L

	Designation	D _c h10 mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z	WK40TF
Shank DIN 6535 HA	MC230-02.0A4BC-	2	7	11	1,9	57	21	6	4	●
	MC230-02.5A4BC-	2,5	8	12	2,4	57	21	6	4	●
	MC230-03.0A4BC-	3	8	12	2,9	57	21	6	4	●
	MC230-03.5A4BC-	3,5	10	15	3,3	57	21	6	4	●
	MC230-04.0A4BC-	4	11	15	3,8	57	21	6	4	●
	MC230-04.5A4BC-	4,5	11	18	4,3	57	21	6	4	●
	MC230-05.0A4BC-	5	13	18	4,8	57	21	6	4	●
	MC230-05.5A4BC-	5,5	13	19	5,2	57	21	6	4	●
	MC230-06.0A4BC-	6	13	19	5,7	57	21	6	4	●
	MC230-06.5A4BC-	6,5	16	25	6,2	63	27	8	4	●
	MC230-07.0A4BC-	7	16	25	6,7	63	27	8	4	●
	MC230-08.0A4BC-	8	19	25	7,6	63	27	8	4	●
	MC230-09.0A4BC-	9	19	30	8,6	72	32	10	4	●
	MC230-10.0A4BC-	10	22	30	9,5	72	32	10	4	●
	MC230-12.0A4BC-	12	26	36	11,4	83	38	12	4	●
	MC230-14.0A4BC-	14	26	36	13,3	83	38	14	4	●
	MC230-16.0A4BC-	16	32	42	15,2	92	44	16	4	●
	MC230-18.0A4BC-	18	32	42	17,1	92	44	18	4	●
	MC230-20.0A4BC-	20	38	52	19	104	54	20	4	●
	Shank DIN 6535 HB	MC230-02.0W4BC-	2	7	11	1,9	57	21	6	4
MC230-02.5W4BC-		2,5	8	12	2,4	57	21	6	4	●
MC230-03.0W4BC-		3	8	12	2,9	57	21	6	4	●
MC230-04.0W4BC-		4	11	15	3,8	57	21	6	4	●
MC230-05.0W4BC-		5	13	18	4,8	57	21	6	4	●
MC230-06.0W4BC-		6	13	19	5,7	57	21	6	4	●
MC230-07.0W4BC-		7	16	25	6,7	63	27	8	4	●
MC230-08.0W4BC-		8	19	25	7,6	63	27	8	4	●
MC230-09.0W4BC-		9	19	30	8,6	72	32	10	4	●
MC230-10.0W4BC-		10	22	30	9,5	72	32	10	4	●
MC230-12.0W4BC-		12	26	36	11,4	83	38	12	4	●
MC230-14.0W4BC-		14	26	36	13,3	83	38	14	4	●
MC230-16.0W4BC-		16	32	42	15,2	92	44	16	4	●
MC230-18.0W4BC-		18	32	42	17,1	92	44	18	4	●
MC230-20.0W4BC-		20	38	52	19	104	54	20	4	●
MC230-25.0W4BC-	25	45	63	23,8	121	65	25	4	●	

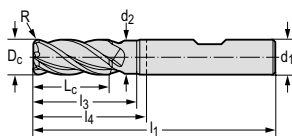
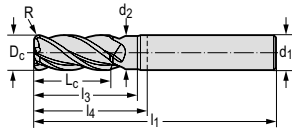
 Slot milling $a_p \leq 1.0 \times D_c$

 Shoulder milling $a_e \leq 0.5 \times D_c$

Ordering example for the WK40TF grade: MC230-02.0A4BC-WK40TF



DIN 6527 L		D _c h9 mm	R mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z	WK40TF
Shank DIN 6535 HA	MC230-02.0A4B020C-	2	0,2	7	11	1,9	57	21	6	4	☺
	MC230-03.0A4B030C-	3	0,3	8	12	2,9	57	21	6	4	☺
	MC230-03.0A4B050C-	3	0,5	8	12	2,9	57	21	6	4	☺
	MC230-04.0A4B020C-	4	0,2	11	15	3,8	57	21	6	4	☺
	MC230-04.0A4B050C-	4	0,5	11	15	3,8	57	21	6	4	☺
	MC230-05.0A4B050C-	5	0,5	13	18	4,8	57	21	6	4	☺
	MC230-05.0A4B100C-	5	1	13	18	4,8	57	21	6	4	☺
	MC230-06.0A4B050C-	6	0,5	13	19	5,7	57	21	6	4	☺
	MC230-06.0A4B080C-	6	0,8	13	19	5,7	57	21	6	4	☺
	MC230-06.0A4B100C-	6	1	13	19	5,7	57	21	6	4	☺
	MC230-08.0A4B050C-	8	0,5	19	25	7,6	63	27	8	4	☺
	MC230-08.0A4B080C-	8	0,8	19	25	7,6	63	27	8	4	☺
	MC230-08.0A4B100C-	8	1	19	25	7,6	63	27	8	4	☺
	MC230-08.0A4B150C-	8	1,5	19	25	7,6	63	27	8	4	☺
	MC230-08.0A4B200C-	8	2	19	25	7,6	63	27	8	4	☺
	MC230-10.0A4B050C-	10	0,5	22	30	9,5	72	32	10	4	☺
	MC230-10.0A4B080C-	10	0,8	22	30	9,5	72	32	10	4	☺
	MC230-10.0A4B100C-	10	1	22	30	9,5	72	32	10	4	☺
	MC230-10.0A4B150C-	10	1,5	22	30	9,5	72	32	10	4	☺
	MC230-10.0A4B200C-	10	2	22	30	9,5	72	32	10	4	☺
	MC230-12.0A4B050C-	12	0,5	26	36	11,4	83	38	12	4	☺
	MC230-12.0A4B080C-	12	0,8	26	36	11,4	83	38	12	4	☺
	MC230-12.0A4B100C-	12	1	26	36	11,4	83	38	12	4	☺
	MC230-12.0A4B150C-	12	1,5	26	36	11,4	83	38	12	4	☺
	MC230-12.0A4B200C-	12	2	26	36	11,4	83	38	12	4	☺
	MC230-12.0A4B250C-	12	2,5	26	36	11,4	83	38	12	4	☺
	MC230-12.0A4B300C-	12	3	26	36	11,4	83	38	12	4	☺
	MC230-16.0A4B050C-	16	0,5	32	42	15,2	92	44	16	4	☺
	MC230-16.0A4B100C-	16	1	32	42	15,2	92	44	16	4	☺
	MC230-16.0A4B200C-	16	2	32	42	15,2	92	44	16	4	☺
	MC230-16.0A4B250C-	16	2,5	32	42	15,2	92	44	16	4	☺
	MC230-16.0A4B300C-	16	3	32	42	15,2	92	44	16	4	☺
MC230-16.0A4B400C-	16	4	32	42	15,2	92	44	16	4	☺	
MC230-20.0A4B050C-	20	0,5	38	52	19	104	54	20	4	☺	
MC230-20.0A4B100C-	20	1	38	52	19	104	54	20	4	☺	
MC230-20.0A4B200C-	20	2	38	52	19	104	54	20	4	☺	
MC230-20.0A4B250C-	20	2,5	38	52	19	104	54	20	4	☺	
MC230-20.0A4B300C-	20	3	38	52	19	104	54	20	4	☺	
MC230-20.0A4B400C-	20	4	38	52	19	104	54	20	4	☺	
Shank DIN 6535 HB	MC230-05.0W4B050C-	5	0,5	13	18	4,8	57	21	6	4	☺
	MC230-06.0W4B050C-	6	0,5	13	19	5,7	57	21	6	4	☺
	MC230-06.0W4B080C-	6	0,8	13	19	5,7	57	21	6	4	☺
	MC230-06.0W4B100C-	6	1	13	19	5,7	57	21	6	4	☺
	MC230-08.0W4B050C-	8	0,5	19	25	7,6	63	27	8	4	☺
	MC230-08.0W4B080C-	8	0,8	19	25	7,6	63	27	8	4	☺
	MC230-08.0W4B100C-	8	1	19	25	7,6	63	27	8	4	☺
	MC230-08.0W4B150C-	8	1,5	19	25	7,6	63	27	8	4	☺
	MC230-08.0W4B200C-	8	2	19	25	7,6	63	27	8	4	☺
	MC230-10.0W4B050C-	10	0,5	22	30	9,5	72	32	10	4	☺
	MC230-10.0W4B080C-	10	0,8	22	30	9,5	72	32	10	4	☺
	MC230-10.0W4B100C-	10	1	22	30	9,5	72	32	10	4	☺
	MC230-10.0W4B150C-	10	1,5	22	30	9,5	72	32	10	4	☺
	MC230-10.0W4B200C-	10	2	22	30	9,5	72	32	10	4	☺
	MC230-12.0W4B050C-	12	0,5	26	36	11,4	83	38	12	4	☺
	MC230-12.0W4B080C-	12	0,8	26	36	11,4	83	38	12	4	☺
	MC230-12.0W4B100C-	12	1	26	36	11,4	83	38	12	4	☺
	MC230-12.0W4B150C-	12	1,5	26	36	11,4	83	38	12	4	☺
	MC230-12.0W4B200C-	12	2	26	36	11,4	83	38	12	4	☺
	MC230-12.0W4B250C-	12	2,5	26	36	11,4	83	38	12	4	☺
	MC230-12.0W4B300C-	12	3	26	36	11,4	83	38	12	4	☺



Shoulder milling $a_e \leq 0.5 \times D_c$

Slot milling $a_p \leq 1.0 \times D_c$

Ordering example for the WK40TF grade: MC230-02.0A4B020C-WK40TF

Continued

Continued

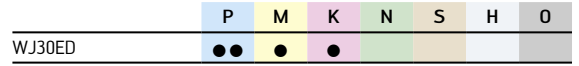
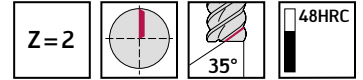
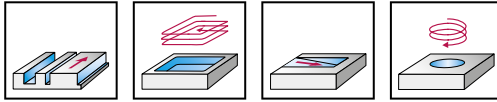
DIN 6527 L		D_c h9 mm	R mm	L_c mm	l_3 mm	d_2 mm	l_1 mm	l_4 mm	d_1 h5 mm	Z	WK40TF
Shank DIN 6535 HB 	MC230-16.0W4B050C-	16	0,5	32	42	15,2	92	44	16	4	
	MC230-16.0W4B100C-	16	1	32	42	15,2	92	44	16	4	
	MC230-16.0W4B200C-	16	2	32	42	15,2	92	44	16	4	
	MC230-16.0W4B250C-	16	2,5	32	42	15,2	92	44	16	4	
	MC230-16.0W4B300C-	16	3	32	42	15,2	92	44	16	4	
	MC230-16.0W4B400C-	16	4	32	42	15,2	92	44	16	4	
	MC230-20.0W4B050C-	20	0,5	38	52	19	104	54	20	4	
	MC230-20.0W4B100C-	20	1	38	52	19	104	54	20	4	
	MC230-20.0W4B200C-	20	2	38	52	19	104	54	20	4	
	MC230-20.0W4B250C-	20	2,5	38	52	19	104	54	20	4	
	MC230-20.0W4B300C-	20	3	38	52	19	104	54	20	4	
	MC230-20.0W4B400C-	20	4	38	52	19	104	54	20	4	
	MC230-25.0W4B100C-	25	1	45	63	23,8	121	65	25	4	
	MC230-25.0W4B200C-	25	2	45	63	23,8	121	65	25	4	
	MC230-25.0W4B300C-	25	3	45	63	23,8	121	65	25	4	
	MC230-25.0W4B400C-	25	4	45	63	23,8	121	65	25	4	

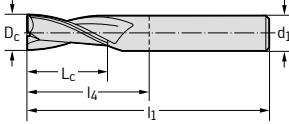
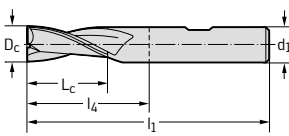
 Shoulder milling $a_e \leq 0.5 \times D_c$

 Slot milling $a_p \leq 1.0 \times D_c$

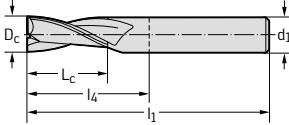
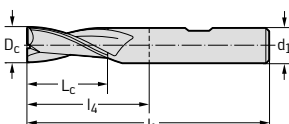
Ordering example for the WK40TF grade: MC230-02.0A4B020C-WK40TF

Solid carbide shoulder/slot milling cutters MC232 Perform



DIN 6527 L		D_c h12 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30ED
Shank DIN 6535 HA 	MC232-02.0A2B-	2	6	57	29	4	2	☉
	MC232-02.5A2B-	2,5	7	57	29	4	2	☉
	MC232-03.0A2B-	3	7	57	29	4	2	☉
	MC232-03.5A2B-	3,5	7	57	29	4	2	☉
	MC232-04.0A2B-	4	8	57	29	4	2	☉
Shank DIN 6535 HB 	MC232-05.0W2B-	5	10	57	21	6	2	☉
	MC232-06.0W2B-	6	10	57	21	6	2	☉
	MC232-08.0W2B-	8	16	63	27	8	2	☉
	MC232-10.0W2B-	10	19	72	32	10	2	☉
	MC232-12.0W2B-	12	22	83	38	12	2	☉
	MC232-16.0W2B-	16	26	92	44	16	2	☉
MC232-20.0W2B-	20	32	104	54	20	2	☉	

Slot milling $a_p \leq 0.5 \times D_c$
Shoulder milling $a_e \leq 0.5 \times D_c$
Ordering example for the WJ30ED grade: MC232-02.0A2B-WJ30ED

STANDARD		D_c h12 Inch/No.	L_c inch	l_1 inch	l_4 inch	d_1 h6 inch	Z	WJ30ED
Shank DIN 6535 HA 	MC232.3.18A2D-	1/8"	0,500	2,500	1,083	0,250	2	☉
	MC232.6.35A2D-	1/4"	0,750	2,500	1,083	0,250	2	☉
Shank DIN 6535 HB 	MC232.9.53W2D-	3/8"	0,875	3,000	1,437	0,375	2	☉
	MC232.12.7W2D-	1/2"	1,000	3,500	1,717	0,500	2	☉
	MC232.15.9W2D-	5/8"	1,250	3,500	1,594	0,625	2	☉
	MC232.19.1W2D-	3/4"	1,500	4,000	1,969	0,750	2	☉

Slot milling $a_p \leq 0.5 \times D_c$
Shoulder milling $a_e \leq 0.5 \times D_c$
Ordering example for the WJ30ED grade: MC232.3.18A2D-WJ30ED

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

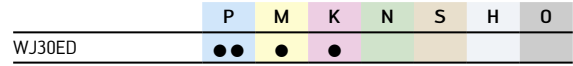
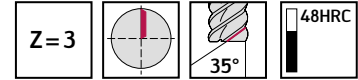
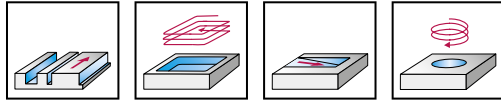
machining conditions

•• Primary application

• Other application

Solid carbide shoulder/slot milling cutters

MC232 Perform



DIN 6527 L		D_c h12 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30ED
Shank DIN 6535 HA	MC232-02.0A3B-	2	6	57	29	4	3	⊕
	MC232-02.5A3B-	2,5	7	57	29	4	3	⊕
	MC232-03.0A3B-	3	7	57	29	4	3	⊕
	MC232-03.5A3B-	3,5	7	57	29	4	3	⊕
	MC232-04.0A3B-	4	8	57	29	4	3	⊕
Shank DIN 6535 HB	MC232-05.0W3B-	5	10	57	21	6	3	⊕
	MC232-06.0W3B-	6	10	57	21	6	3	⊕
	MC232-08.0W3B-	8	16	63	27	8	3	⊕
	MC232-10.0W3B-	10	19	72	32	10	3	⊕
	MC232-12.0W3B-	12	22	83	38	12	3	⊕
	MC232-16.0W3B-	16	26	92	44	16	3	⊕
	MC232-20.0W3B-	20	32	104	54	20	3	⊕

Slot milling $a_p \leq 0.5 \times D_c$

Shoulder milling $a_e \leq 0.5 \times D_c$

Ordering example for the WJ30ED grade: MC232-02.0A3B-WJ30ED

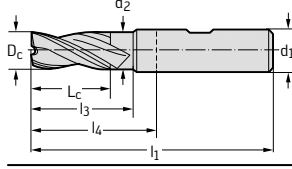
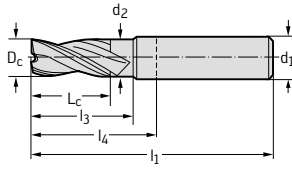
STANDARD		D_c h12 Inch/No.	L_c inch	l_1 inch	l_4 inch	d_1 h6 inch	Z	WJ30ED
Shank DIN 6535 HA	MC232.3.18A3D-	1/8"	0,500	2,500	1,083	0,250	3	⊕
	MC232.6.35A3D-	1/4"	0,750	2,500	1,083	0,250	3	⊕
Shank DIN 6535 HB	MC232.9.53W3D-	3/8"	0,875	3,000	1,437	0,375	3	⊕
	MC232.12.7W3D-	1/2"	1,000	3,500	1,717	0,500	3	⊕
	MC232.15.9W3D-	5/8"	1,250	3,500	1,594	0,625	3	⊕
	MC232.19.1W3D-	3/4"	1,500	4,000	1,969	0,750	3	⊕

Slot milling $a_p \leq 0.5 \times D_c$

Shoulder milling $a_e \leq 0.5 \times D_c$

Ordering example for the WJ30ED grade: MC232.3.18A3D-WJ30ED

DIN 6527 L		D_c h12 mm	L_c mm	l_3 mm	d_2 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30ED
Shank DIN 6535 HA	MC232-02.0A3BC-	2	6	11	1,9	57	29	4	3	☺
	MC232-02.5A3BC-	2,5	7	12	2,4	57	29	4	3	☺
	MC232-03.0A3BC-	3	7	12	2,9	57	29	4	3	☺
	MC232-03.5A3BC-	3,5	7	15	3,3	57	29	4	3	☺
	MC232-04.0A3BC-	4	8	15	3,8	57	29	4	3	☺
Shank DIN 6535 HB	MC232-05.0W3BC-	5	10	18	4,8	57	21	6	3	☺
	MC232-06.0W3BC-	6	10	19	5,7	57	21	6	3	☺
	MC232-08.0W3BC-	8	16	25	7,6	63	27	8	3	☺
	MC232-10.0W3BC-	10	19	30	9,5	72	32	10	3	☺
	MC232-12.0W3BC-	12	22	36	11,4	83	38	12	3	☺
	MC232-16.0W3BC-	16	26	42	15,2	92	44	16	3	☺
	MC232-20.0W3BC-	20	32	52	19	104	54	20	3	☺



Slot milling $a_p \leq 0.5 \times D_c$

Shoulder milling $a_e \leq 0.5 \times D_c$

Ordering example for the WJ30ED grade: MC232-02.0A3BC-WJ30ED

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

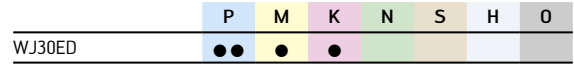
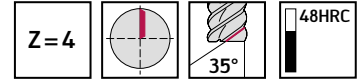
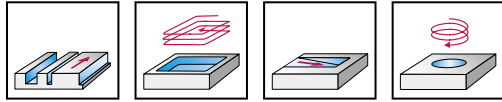
machining conditions

•• Primary application

• Other application

Solid carbide shoulder/slot milling cutters

MC232 Perform



DIN 6527 L		D_c h12 mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30ED
Shank DIN 6535 HA 	MC232-02.0A4B-	2	7	57	29	4	4	●
	MC232-02.5A4B-	2,5	8	57	29	4	4	●
	MC232-03.0A4B-	3	8	57	29	4	4	●
	MC232-03.5A4B-	3,5	10	57	29	4	4	●
	MC232-04.0A4B-	4	11	57	29	4	4	●
Shank DIN 6535 HB 	MC232-05.0W4B-	5	13	57	21	6	4	●
	MC232-06.0W4B-	6	13	57	21	6	4	●
	MC232-08.0W4B-	8	19	63	27	8	4	●
	MC232-10.0W4B-	10	22	72	32	10	4	●
	MC232-12.0W4B-	12	26	83	38	12	4	●
	MC232-16.0W4B-	16	32	92	44	16	4	●
MC232-20.0W4B-	20	38	104	54	20	4	●	

 Slot milling $a_p \leq 0.5 \times D_c$

 Shoulder milling $a_e \leq 0.5 \times D_c$

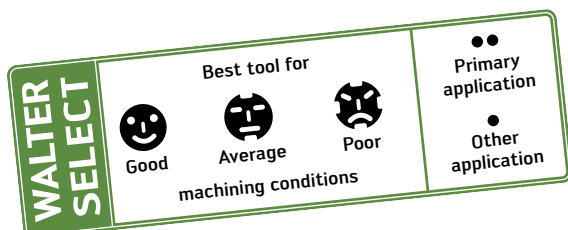
Ordering example for the WJ30ED grade: MC232-02.0A4B-WJ30ED

STANDARD		D_c h12 Inch/No.	L_c inch	l_1 inch	l_4 inch	d_1 h6 inch	Z	WJ30ED
Shank DIN 6535 HA 	MC232.3.18A4D-	1/8"	0,500	2,500	1,083	0,250	4	●
	MC232.6.35A4D-	1/4"	0,750	2,500	1,083	0,250	4	●
Shank DIN 6535 HB 	MC232.9.53W4D-	3/8"	0,875	3,000	1,437	0,375	4	●
	MC232.12.7W4D-	1/2"	1,000	3,500	1,717	0,500	4	●
	MC232.15.9W4D-	5/8"	1,250	3,500	1,594	0,625	4	●
	MC232.19.1W4D-	3/4"	1,500	4,000	1,969	0,750	4	●

 Shoulder milling $a_e \leq 0.5 \times D_c$

 Slot milling $a_p \leq 0.5 \times D_c$

Ordering example for the WJ30ED grade: MC232.3.18A4D-WJ30ED



DIN 6527 L		D _c h12 mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30ED
Shank DIN 6535 HA	MC232-02.0A4BC-	2	7	11	1,9	57	29	4	4	⊗
	MC232-02.5A4BC-	2,5	8	12	2,4	57	29	4	4	⊗
	MC232-03.0A4BC-	3	8	12	2,9	57	29	4	4	⊗
	MC232-03.5A4BC-	3,5	10	15	3,3	57	29	4	4	⊗
	MC232-04.0A4BC-	4	11	15	3,8	57	29	4	4	⊗
Shank DIN 6535 HB	MC232-05.0W4BC-	5	13	18	4,8	57	21	6	4	⊗
	MC232-06.0W4BC-	6	13	19	5,7	57	21	6	4	⊗
	MC232-08.0W4BC-	8	19	25	7,6	63	27	8	4	⊗
	MC232-10.0W4BC-	10	22	30	9,5	72	32	10	4	⊗
	MC232-12.0W4BC-	12	26	36	11,4	83	38	12	4	⊗
	MC232-16.0W4BC-	16	32	42	15,2	92	44	16	4	⊗
MC232-20.0W4BC-	20	38	52	19	104	54	20	4	⊗	

Slot milling $a_p \leq 0.5 \times D_c$

Shoulder milling $a_e \leq 0.5 \times D_c$

Ordering example for the WJ30ED grade: MC232-02.0A4BC-WJ30ED

DIN 6527 L		D _c h12 mm	R mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30ED
Shank DIN 6535 HA	MC232-02.0A4B020C-	2	0,2	7	11	1,9	57	29	4	4	⊗
	MC232-03.0A4B030C-	3	0,3	8	12	2,9	57	29	4	4	⊗
	MC232-04.0A4B050C-	4	0,5	11	15	3,8	57	29	4	4	⊗
Shank DIN 6535 HB	MC232-05.0W4B050C-	5	0,5	13	18	4,8	57	21	6	4	⊗
	MC232-06.0W4B050C-	6	0,5	13	19	5,7	57	21	6	4	⊗
	MC232-06.0W4B080C-	6	0,8	13	19	5,7	57	21	6	4	⊗
	MC232-06.0W4B100C-	6	1	13	19	5,7	57	21	6	4	⊗
	MC232-08.0W4B050C-	8	0,5	19	25	7,6	63	27	8	4	⊗
	MC232-08.0W4B080C-	8	0,8	19	25	7,6	63	27	8	4	⊗
	MC232-08.0W4B100C-	8	1	19	25	7,6	63	27	8	4	⊗
	MC232-08.0W4B150C-	8	1,5	19	25	7,6	63	27	8	4	⊗
	MC232-08.0W4B200C-	8	2	19	25	7,6	63	27	8	4	⊗
	MC232-10.0W4B050C-	10	0,5	22	30	9,5	72	32	10	4	⊗
	MC232-10.0W4B080C-	10	0,8	22	30	9,5	72	32	10	4	⊗
	MC232-10.0W4B100C-	10	1	22	30	9,5	72	32	10	4	⊗
	MC232-10.0W4B150C-	10	1,5	22	30	9,5	72	32	10	4	⊗
	MC232-10.0W4B200C-	10	2	22	30	9,5	72	32	10	4	⊗
	MC232-12.0W4B050C-	12	0,5	26	36	11,4	83	38	12	4	⊗
	MC232-12.0W4B080C-	12	0,8	26	36	11,4	83	38	12	4	⊗
	MC232-12.0W4B100C-	12	1	26	36	11,4	83	38	12	4	⊗
	MC232-12.0W4B150C-	12	1,5	26	36	11,4	83	38	12	4	⊗
	MC232-12.0W4B200C-	12	2	26	36	11,4	83	38	12	4	⊗
	MC232-12.0W4B250C-	12	2,5	26	36	11,4	83	38	12	4	⊗
	MC232-12.0W4B300C-	12	3	26	36	11,4	83	38	12	4	⊗
	MC232-16.0W4B050C-	16	0,5	32	42	15,2	92	44	16	4	⊗
	MC232-16.0W4B100C-	16	1	32	42	15,2	92	44	16	4	⊗
	MC232-16.0W4B200C-	16	2	32	42	15,2	92	44	16	4	⊗
	MC232-16.0W4B250C-	16	2,5	32	42	15,2	92	44	16	4	⊗
	MC232-16.0W4B300C-	16	3	32	42	15,2	92	44	16	4	⊗
MC232-16.0W4B400C-	16	4	32	42	15,2	92	44	16	4	⊗	

Slot milling $a_p \leq 0.5 \times D_c$

Shoulder milling $a_e \leq 0.5 \times D_c$

Ordering example for the WJ30ED grade: MC232-02.0A4B020C-WJ30ED

Continued

Continued

DIN 6527 L		D_c	R	L_c	l_3	d_2	l_1	l_4	d_1	Z	WJ30ED
		h12 mm	mm	mm	mm	mm	mm	mm	h6 mm		
Shank DIN 6535 HB 	MC232-20.0W4B050C-	20	0,5	38	52	19	104	54	20	4	
	MC232-20.0W4B100C-	20	1	38	52	19	104	54	20	4	
	MC232-20.0W4B200C-	20	2	38	52	19	104	54	20	4	
	MC232-20.0W4B250C-	20	2,5	38	52	19	104	54	20	4	
	MC232-20.0W4B300C-	20	3	38	52	19	104	54	20	4	
	MC232-20.0W4B400C-	20	4	38	52	19	104	54	20	4	

 Slot milling $a_p \leq 0,5 \times D_c$

 Shoulder milling $a_e \leq 0,5 \times D_c$

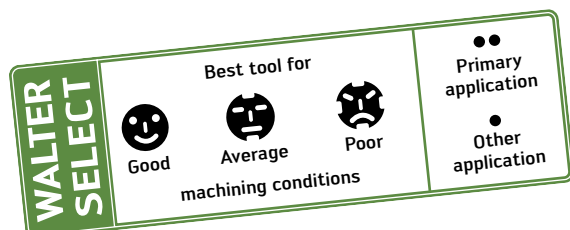
Ordering example for the WJ30ED grade: MC232-02.0A4B020C-WJ30ED

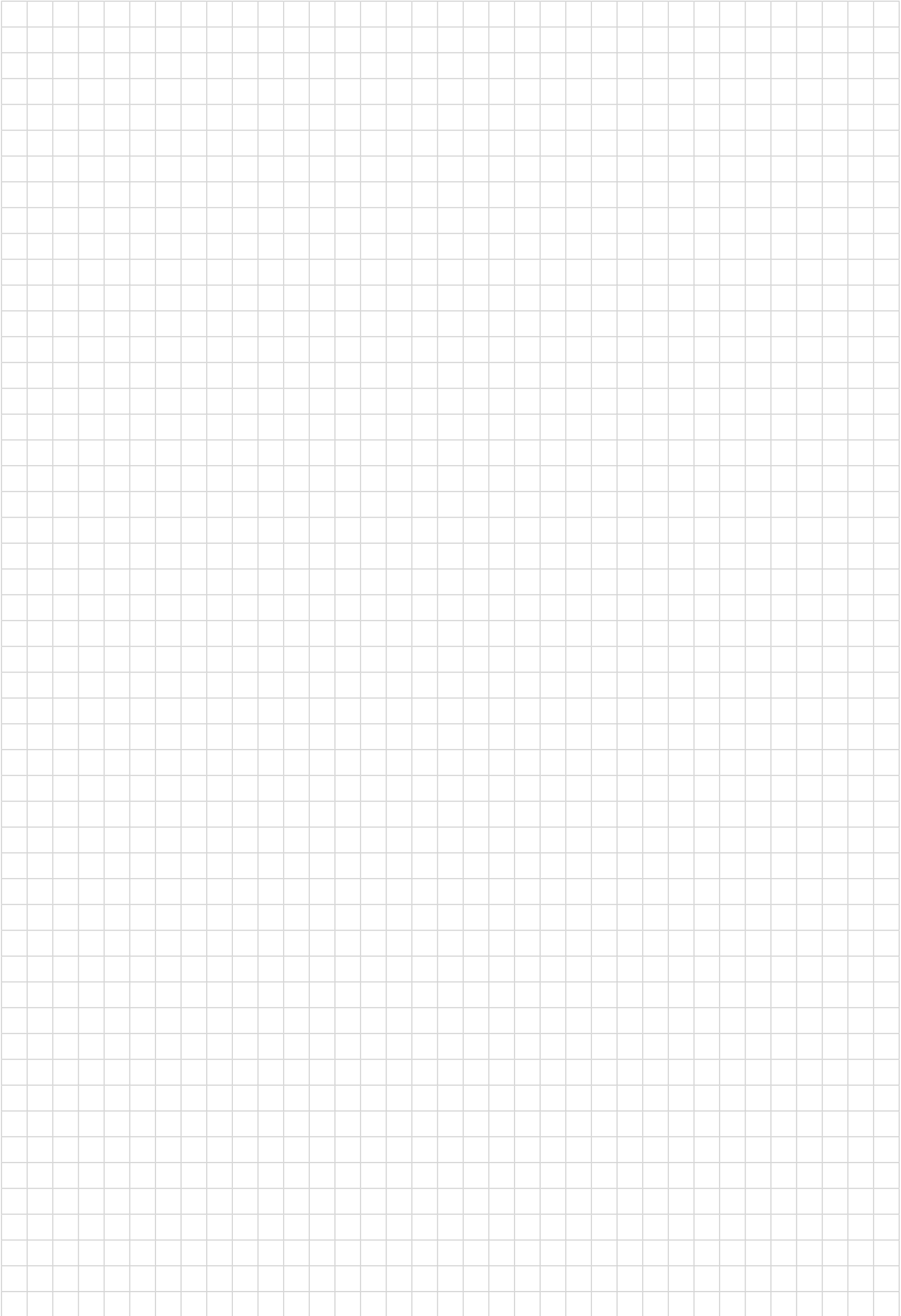
STANDARD		D_c	R	L_c	l_3	d_2	l_1	l_4	d_1	Z	WJ30ED
		h12 Inch/No.	inch	inch	inch	inch	inch	inch	h6 inch		
Shank DIN 6535 HA 	MC232.3.18A4D038C-	1/8"	0,015	0,500	0,625	0,119	2,500	1,083	0,250	4	
	MC232.6.35A4D038C-	1/4"	0,015	0,750	1,000	0,237	2,500	1,083	0,250	4	
	MC232.6.35A4D076C-	1/4"	0,030	0,750	1,000	0,237	2,500	1,083	0,250	4	
Shank DIN 6535 HB 	MC232.9.53W4D038C-	3/8"	0,015	0,875	1,125	0,356	3,000	1,437	0,375	4	
	MC232.9.53W4D076C-	3/8"	0,030	0,875	1,125	0,356	3,000	1,437	0,375	4	
	MC232.12.7W4D038C-	1/2"	0,015	1,000	1,500	0,475	3,500	1,717	0,500	4	
	MC232.12.7W4D076C-	1/2"	0,030	1,000	1,500	0,475	3,500	1,717	0,500	4	
	MC232.12.7W4D152C-	1/2"	0,060	1,000	1,500	0,475	3,500	1,717	0,500	4	
	MC232.12.7W4D318C-	1/2"	0,125	1,000	1,500	0,475	3,500	1,717	0,500	4	
	MC232.15.9W4D318C-	5/8"	0,125	1,250	1,563	0,594	3,500	1,594	0,625	4	
	MC232.19.1W4D076C-	3/4"	0,030	1,500	1,875	0,713	4,000	1,969	0,750	4	
	MC232.19.1W4D318C-	3/4"	0,125	1,500	1,875	0,713	4,000	1,969	0,750	4	

 Slot milling $a_p \leq 0,5 \times D_c$

 Shoulder milling $a_e \leq 0,5 \times D_c$

Ordering example for the WJ30ED grade: MC232.3.18A4D038C-WJ30ED



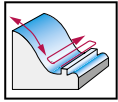


Walter Select solid carbide milling tools

Copy milling cutters

Machining			
<ul style="list-style-type: none"> •• Primary application • Other application 			
Helix angle	30°		
Designation	MC480 Advance MC482 Advance	H8004788 Proto-max™ _{Ultra}	MC416 Advance
Dia. range [mm]	0,4–16	3–12	1–20
Z	2–4	2	2–4
Corner radius [mm]	0,2–8	1,5–6	0,5–10
Standard	DIN 6527 K DIN 6527 L PROTOTYP TOOLS STANDARD MINI PROTOTYP TOOLS STANDARD XL	PROTOTYP TOOLS STANDARD L	DIN 6527 L PROTOTYP TOOLS STANDARD L STANDARD
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA DIN 6535 HB
P Steel			••
M Stainless steel			•
K Cast iron			•
N NF metals			•
S Materials with difficult cutting properties			•
H Hard materials	••	••	
O Other			

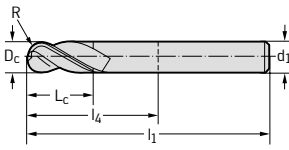
Solid carbide ball-nose end mills MC482 Advance



Z=2

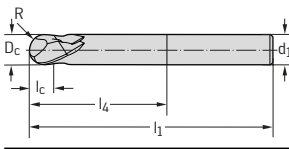
P	M	K	N	S	H	O
WB10TG						●●

DIN 6527 K		D _c h7 mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z	WB10TG
Shank DIN 6535 HA	MC482-03.0A2B-	3	1,5	2,4	57	21	6	2	☺
	MC482-04.0A2B-	4	2	3,2	57	21	6	2	☺
	MC482-05.0A2B-	5	2,5	4	57	21	6	2	☺
	MC482-06.0A2B-	6	3	4,8	57	21	6	2	☺
	MC482-08.0A2B-	8	4	6,4	63	27	8	2	☺



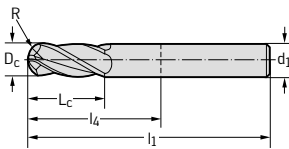
Ordering example for the WB10TG grade: MC482-03.0A2B-WB10TG

DIN 6527 L		D _c h7 mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z	WB10TG
Shank DIN 6535 HA	MC482-06.0A2L-	6	3	4,8	80	44	6	2	☺
	MC482-08.0A2L-	8	4	6,4	100	64	8	2	☺
	MC482-10.0A2L-	10	5	8	100	60	10	2	☺
	MC482-12.0A2L-	12	6	9,6	100	55	12	2	☺



Ordering example for the WB10TG grade: MC482-06.0A2L-WB10TG

DIN 6527 L		D _c h7 mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z	WB10TG
Shank DIN 6535 HA	MC482-06.0A4B-	6	3	4,8	57	21	6	4	☺
	MC482-08.0A4B-	8	4	6,4	63	27	8	4	☺
	MC482-10.0A4B-	10	5	8	72	32	10	4	☺
	MC482-12.0A4B-	12	6	9,6	83	38	12	4	☺
	MC482-16.0A4B-	16	8	12,8	92	44	16	4	☺



Ordering example for the WB10TG grade: MC482-06.0A4B-WB10TG

WALTER SELECT

Best tool for machining conditions

☺ Good ☹ Average ☹ Poor

●● Primary application
● Other application

**PROTOTYP TOOLS
STANDARD XL**

	Designation	D _c h7 mm	R mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z	WB10TG
Shank DIN 6535 HA 	MC482-06.0A4BC-	6	3	4,8	18	5,9	63	27	8	4	☺
	MC482-08.0A4BC-	8	4	6,4	24	7,9	72	32	10	4	☺
	MC482-10.0A4BC-	10	5	8	30	9,9	83	38	12	4	☺
	MC482-12.0A4BC-	12	6	9,6	36	11,8	83	38	12	4	☺
	MC482-16.0A4BC-	16	8	12,8	42	15,8	92	44	16	4	☺

Ordering example for the WB10TG grade: MC482-06.0A4BC-WB10TG

**PROTOTYP TOOLS
STANDARD XL**

	Designation	D _c h7 mm	R mm	L _c mm	l ₃ mm	α	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z	WB10TG
Shank DIN 6535 HA 	MC482-01.0A2PV-	1	0,5	0,8	17	2,5°	57	21	6	2	☺
	MC482-01.0A2PW-	1	0,5	0,8	17	4°	57	21	6	2	☺
	MC482-01.5A2PV-	1,5	0,8	1,2	17	2,5°	57	21	6	2	☺
	MC482-01.5A2PW-	1,5	0,8	1,2	17	4°	57	21	6	2	☺
	MC482-02.0A2PV-	2	1	1,6	18	2,5°	57	21	6	2	☺
	MC482-02.0A2PW-	2	1	1,6	18	4°	57	21	6	2	☺
	MC482-03.0A2PV-	3	1,5	2,4	19	2,5°	57	21	6	2	☺
	MC482-03.0A2PW-	3	1,5	2,4	19	4°	57	21	6	2	☺
	MC482-03.0A2LV-	3	1,5	2,4	38	2,5°	80	44	6	2	☺
	MC482-04.0A2PV-	4	2	3,2	20	2,5°	57	21	6	2	☺
	MC482-04.0A2PW-	4	2	3,2	20	4°	57	21	6	2	☺

Ordering example for the WB10TG grade: MC482-01.0A2PV-WB10TG

Tool

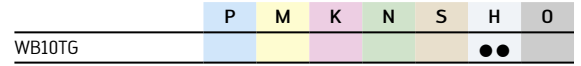
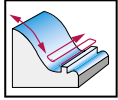
	Designation	D _c h7 Inch/No.	R inch	L _c inch	l ₃ inch	d ₂ inch	l ₁ inch	l ₄ inch	d ₁ h5 inch	Z	WB10TG
	MC482.3.18A2PC-	1/8"	0,063	0,125	0,375	0,121	2,500	1,083	0,250	2	☺
	MC482.4.76A2PC-	3/16"	0,094	0,188	0,500	0,184	2,500	1,083	0,250	2	☺
	MC482.6.35A2PC-	1/4"	0,125	0,250	0,875	0,246	2,500	1,083	0,250	2	☺
	MC482.9.53A2PB-	3/8"	0,188	0,375	1,000	0,369	3,000	1,437	0,375	2	☺
	MC482.12.7A2PB-	1/2"	0,250	0,500	1,375	0,492	3,500	1,717	0,500	2	☺

Ordering example for the WB10TG grade: MC482.3.18A2PC-WB10TG

Solid carbide ball-nose end mills MC480 Advance

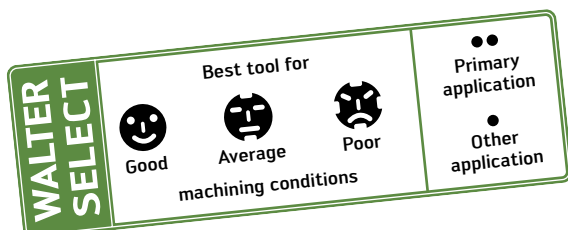


- Long reach



PROTOTYP TOOLS STANDARD MINI		D _c h7 mm	R mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h5 mm	Z	WB10TG
Shank DIN 6535 HA											
	MC480-00.4A2MC-	0,4	0,2	0,3	1	0,4	38	12	4	2	☺
	MC480-00.5A2MC-	0,5	0,25	0,4	1,5	0,5	38	12	4	2	☺
	MC480-00.6A2MC-	0,6	0,3	0,5	2	0,6	38	12	4	2	☺
	MC480-00.8A2MC-	0,8	0,4	0,6	2	0,8	38	12	4	2	☺
	MC480-01.0A2MB-	1	0,5	0,8	2	1,0	50	22	4	2	☺
	MC480-01.0A2ME-	1	0,5	0,8	5	1,0	50	22	4	2	☺
	MC480-01.0A2MG-	1	0,5	0,8	8	1,0	50	22	4	2	☺
	MC480-01.5A2MC-	1,5	0,75	1,2	4	1,5	50	22	4	2	☺
	MC480-01.5A2ME-	1,5	0,75	1,2	8	1,5	50	22	4	2	☺
	MC480-01.5A2MG-	1,5	0,75	1,2	12	1,5	50	22	4	2	☺
	MC480-02.0A2MB-	2	1	1,6	3	2,0	50	22	4	2	☺
	MC480-02.0A2MC-	2	1	1,6	6	2,0	50	22	4	2	☺
	MC480-02.0A2ME-	2	1	1,6	10	2,0	50	22	4	2	☺
	MC480-02.0A2MG-	2	1	1,6	16	2,0	50	22	4	2	☺
	MC480-03.0A2MC-	3	1,5	2,4	8	3,0	50	22	4	2	☺
	MC480-03.0A2ME-	3	1,5	2,4	16	3,0	50	22	4	2	☺
	MC480-03.0A2MG-	3	1,5	2,4	25	3,0	60	32	4	2	☺
	MC480-04.0A2MC-	4	2	3,2	10	4,0	65	29	6	2	☺
	MC480-04.0A2ME-	4	2	3,2	20	4,0	65	29	6	2	☺
	MC480-05.0A2MD-	5	2,5	4	20	5,0	65	29	6	2	☺

Ordering example for the WB10TG grade: MC480-00.4A2MC-WB10TG



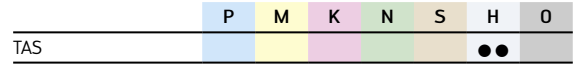
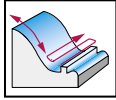
Solid carbide ball-nose end mills

H8004788

Proto-max™ Ultra

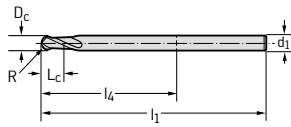


– Long reach



PROTOTYP TOOLS STANDARD L

Shank DIN 6535 HA

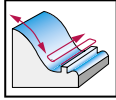


Designation TAS	D_c h7 mm	R mm	L_c mm	l_1 mm	l_4 mm	d_1 h5 mm	Z
H8004788-3-57	3	1,5	4,5	57	21	6	2
H8004788-3-70	3	1,5	4,5	70	34	6	2
H8004788-4-57	4	2	6	57	21	6	2
H8004788-4-70	4	2	6	70	34	6	2
H8004788-5-57	5	2,5	7,5	57	21	6	2
H8004788-6-57	6	3	9	57	21	6	2
H8004788-6-90	6	3	9	90	54	6	2
H8004788-8-63	8	4	12	63	27	8	2
H8004788-8-100	8	4	12	100	64	8	2
H8004788-10-72	10	5	15	72	32	10	2
H8004788-10-100	10	5	15	100	60	10	2
H8004788-12-83	12	6	18	83	38	12	2
H8004788-12-110	12	6	18	110	65	12	2

Solid carbide ball-nose end mills MC416 Advance



- Type 30



Z = 4

30°

48HRC

	P	M	K	N	S	H	O
WJ30TF	●	●	●	●	●		

PROTOTYP TOOLS STANDARD L		D _c h7 mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30TF
Shank DIN 6535 HA									
	MC416-03.0A4L-	3	1,5	8	80	44	6	4	●
	MC416-04.0A4L-	4	2	11	80	44	6	4	●
	MC416-05.0A4L-	5	2,5	13	80	44	6	4	●
	MC416-06.0A4L-	6	3	13	80	44	6	4	●
	MC416-07.0A4L-	7	3,5	16	100	64	8	4	●
	MC416-08.0A4L-	8	4	19	100	64	8	4	●
	MC416-09.0A4L-	9	4,5	19	100	60	10	4	●
	MC416-10.0A4L-	10	5	22	100	60	10	4	●
	MC416-12.0A4L-	12	6	26	100	55	12	4	●
	MC416-16.0A4L-	16	8	32	100	52	16	4	●
MC416-20.0A4L-	20	10	38	125	75	20	4	●	
Shank DIN 6535 HB									
	MC416-03.0W4L-	3	1,5	8	80	44	6	4	●
	MC416-04.0W4L-	4	2	11	80	44	6	4	●
	MC416-05.0W4L-	5	2,5	13	80	44	6	4	●
	MC416-06.0W4L-	6	3	13	80	44	6	4	●
	MC416-08.0W4L-	8	4	19	100	64	8	4	●
	MC416-10.0W4L-	10	5	22	100	60	10	4	●
	MC416-12.0W4L-	12	6	26	100	55	12	4	●
	MC416-16.0W4L-	16	8	32	100	52	16	4	●
	MC416-20.0W4L-	20	10	38	125	75	20	4	●

Ordering example for the WJ30TF grade: MC416-03.0A4L-WJ30TF

Tool		D _c h9 Inch/No.	R inch	L _c inch	l ₁ inch	l ₄ inch	d ₁ h6 inch	Z	WJ30TF
	MC416.1.59A4D-	1/16"	0,031	0,187	2,000	0,583	0,250	4	●
	MC416.2.38A4D-	3/32"	0,047	0,375	2,500	1,083	0,250	4	●
	MC416.3.18A4D-	1/8"	0,063	0,500	2,500	1,083	0,250	4	●
	MC416.4.75A4D-	3/16"	0,094	0,625	2,500	1,083	0,250	4	●
	MC416.6.35A4D-	1/4"	0,125	0,750	2,500	1,083	0,250	4	●
	MC416.7.94A4D-	5/16"	0,156	0,813	3,000	1,437	0,375	4	●
	MC416.9.53A4D-	3/8"	0,188	0,875	3,000	1,437	0,375	4	●
	MC416.11.1A4D-	7/16"	0,219	1,000	3,500	1,717	0,500	4	●
	MC416.12.7A4D-	1/2"	0,250	1,000	3,500	1,717	0,500	4	●
	MC416.15.9A4D-	5/8"	0,313	1,250	3,500	1,594	0,625	4	●

Ordering example for the WJ30TF grade: MC416.1.59A4D-WJ30TF

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

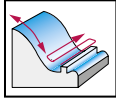
● Other application

Solid carbide ball-nose end mills

MC416 Advance



- Type 30

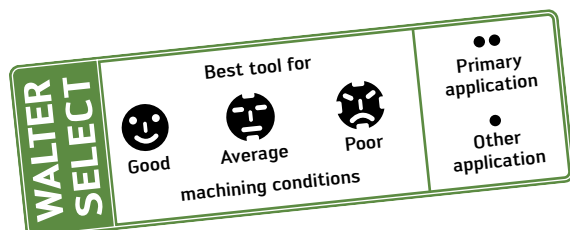
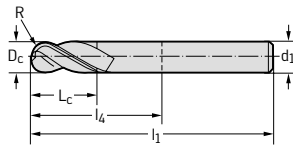


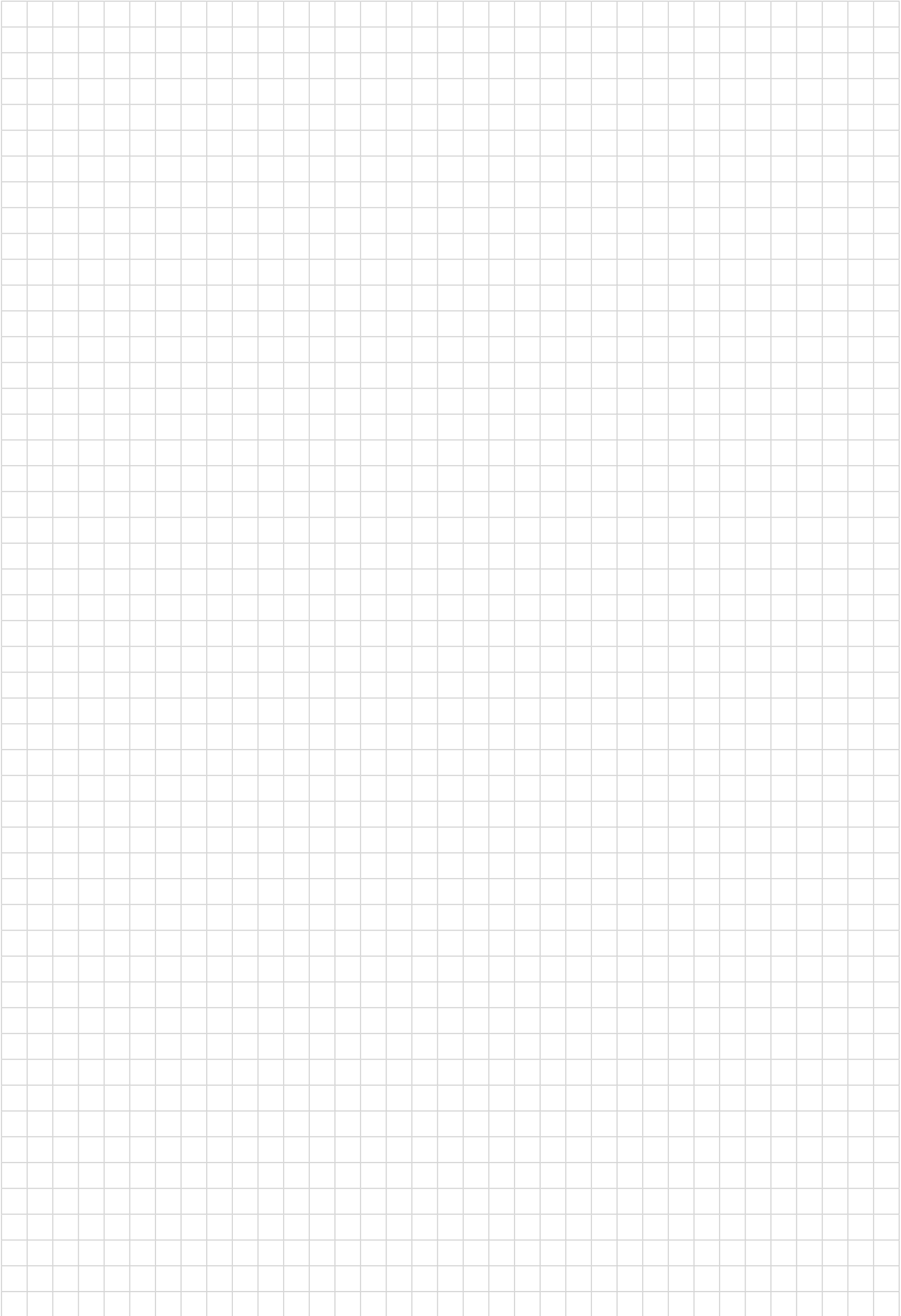
	P	M	K	N	S	H	O
WJ30TF	●	●	●	●	●		

DIN 6527 L

	Designation	D _c h7 mm	R mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30TF
Shank DIN 6535 HA	MC416-01.0A2B-	1	0,5	3	38	10	3	2	●
	MC416-01.5A2B-	1,5	0,75	3	38	10	3	2	●
	MC416-02.0A2B-	2	1	6	38	11	3	2	●
	MC416-02.5A2B-	2,5	1,25	7	38	12	3	2	●
	MC416-03.0A2B-	3	1,5	7	38	10	3	2	●
	MC416-04.0A2B-	4	2	8	57	21	6	2	●
	MC416-05.0A2B-	5	2,5	10	57	21	6	2	●
	MC416-06.0A2B-	6	3	10	57	21	6	2	●
	MC416-07.0A2B-	7	3,5	13	63	27	8	2	●
	MC416-08.0A2B-	8	4	16	63	27	8	2	●
	MC416-09.0A2B-	9	4,5	16	72	32	10	2	●
	MC416-10.0A2B-	10	5	19	72	32	10	2	●
	MC416-12.0A2B-	12	6	22	83	38	12	2	●
	MC416-14.0A2B-	14	7	22	83	38	14	2	●
	MC416-16.0A2B-	16	8	26	92	44	16	2	●
	MC416-18.0A2B-	18	9	26	92	44	18	2	●
	MC416-20.0A2B-	20	10	32	104	54	20	2	●


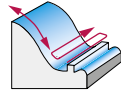




Ordering example for the WJ30TF grade: MC416-01.0A2B-WJ30TF





Walter Select solid carbide milling tools

Circle segment milling cutters

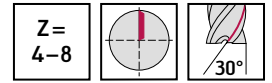
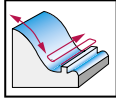
Machining 				
Helix angle	30°			
Designation	MD838 Supreme	MD838 Supreme	MD839 Supreme	MD839 Supreme
Dia. range [mm]	1–8	1–8	2–8	2–8
Z	4–8	4–8	4	4
Corner radius [mm]	0,5–4	0,5–4	1–4	1–4
Standard	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD
Shank	DIN 6535 HA	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				

Solid carbide circle segment milling cutters

MD838 Supreme



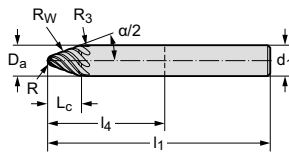
- Conical



	P	M	K	N	S	H	O
WJ30RA		••		•	••		
WJ30RD	••		•				

PROTOTYP TOOLS STANDARD		Designation	$\alpha/2$	D_a mm	R mm	R_w mm	R_3 mm	L_c mm	l_1 mm	d_1 h5 mm	Z	WJ30RA	WJ30RD
Shank DIN 6535 HA		MD838-06A4P050250-	20°	6	0,5	250	3	7,79	65	6	4	☺	☹
		MD838-06A4P100250-	20°	6	1	250	3	6,83	65	6	4	☺	☹
		MD838-08A4P050300-	20°	8	0,5	300	3	10,55	80	8	4	☺	☹
		MD838-08A4P100300-	20°	8	1	300	3	9,57	80	8	4	☺	☹
		MD838-10A4P200400-	20°	10	2	400	3	10,42	90	10	4	☺	☹
		MD838-10A8P200400-	20°	10	2	400	3	10,42	90	10	8	☺	☹
		MD838-12A4P200500-	20°	12	2	500	3	13,15	100	12	4	☺	☹
		MD838-12A8P200500-	20°	12	2	500	3	13,15	100	12	8	☺	☹
		MD838-12A4P300500-	20°	12	3	500	3	11,23	100	12	4	☺	☹
		MD838-12A8P300500-	20°	12	3	500	3	11,23	100	12	8	☺	☹
		MD838-16A4P301000-	20°	16	3	1000	5	17,07	115	16	4	☺	☹
		MD838-16A4P401000-	20°	16	4	1000	5	15,17	115	16	4	☺	☹

Ordering example for the WJ30RD grade: MD838-06A4P050250-WJ30RD



WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

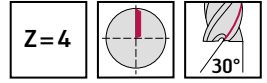
machining conditions

•• Primary application

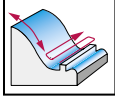
• Other application

Solid carbide circle segment milling cutters

MD839 Supreme



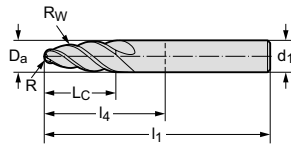
- Tangential



	P	M	K	N	S	H	O
WJ30RA		●●		●	●●		
WJ30RD	●●		●				

PROTOTYP TOOLS STANDARD

Shank DIN 6535 HA



Designation	D _a mm	R mm	R _w mm	L _c mm	l ₁ mm	d ₁ h5 mm	Z	WJ30RA	WJ30RD
MD839-06A4P10100-	6	1	100	20,8	65	6	4	☺	☹
MD839-08A4P15100-	8	1,5	100	23,55	80	8	4	☺	☹
MD839-10A4P20100-	10	2	100	26,06	90	10	4	☺	☹
MD839-12A4P20100-	12	2	100	29,71	100	12	4	☺	☹
MD839-12A4P30100-	12	3	100	26,94	100	12	4	☺	☹
MD839-16A4P30100-	16	3	100	33,74	115	16	4	☺	☹
MD839-16A4P40100-	16	4	100	31,42	115	16	4	☺	☹

Ordering example for the WJ30RD grade: MD839-06A4P10100-WJ30RD

WALTER
SELECT

Best tool for

☺
Good

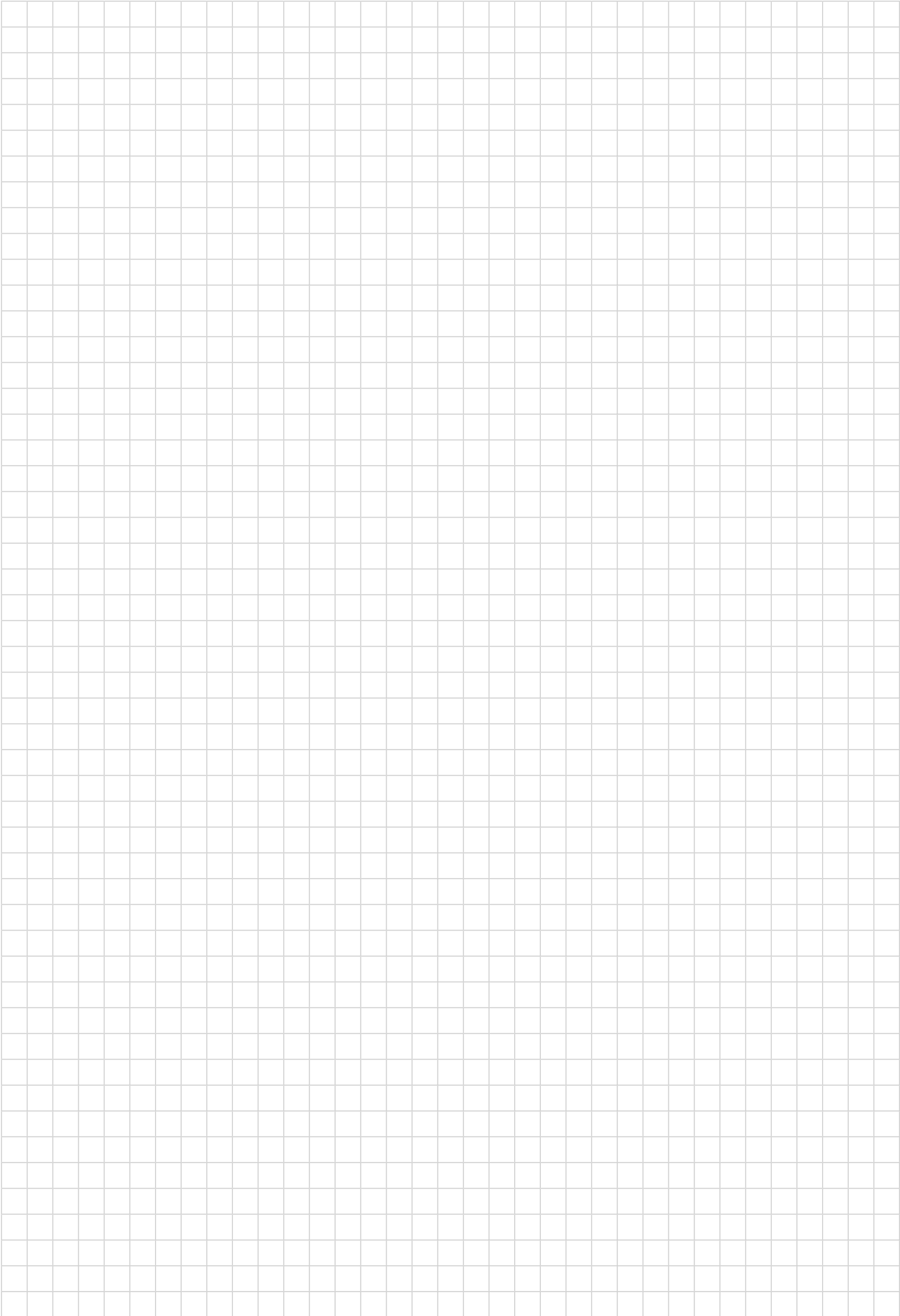
☹
Average

☹
Poor




machining conditions

●● Primary application





● Other application






Product range overview – Solid carbide milling tools with ConeFit interface High-feed milling cutters

Machining		
Helix angle	50°	
Designation	MD025	MC025 Advance
Dia. range [mm]	9,53–25,4	9,53–25,4
Diameter range [inch]	0,375–1,000	0,375–1,000
Z	5–6	4
Corner radius [mm]	0	0
Corner radius [inch]	0	0
		

Product range overview – Solid carbide milling tools with ConeFit interface Shoulder milling cutters

Machining			
Helix angle	50°		
Designation	MD128	MD128	MC128
Dia. range [mm]	10–25	10–25	10–25
Z	6–8	6–8	6–8
Corner radius [mm]	0–4	0–4	0–4
			

Product range overview – Solid carbide milling tools with ConeFit interface Circle segment milling cutters

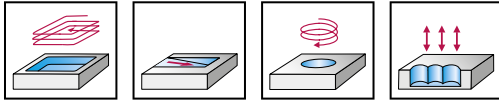
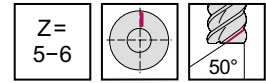
Machining		
Helix angle	30°	
Designation	MD838	MD838
Dia. range [mm]	4–8	4–8
Z	8	8
Corner radius [mm]	2–4	2–4
		

Walter Select solid carbide milling tools with ConeFit interface High-feed milling cutters

<p>Machining</p>			
Helix angle	50°		
Designation	MD025	MD025	MC025 Advance
Dia. range [mm]	9,53–25,4	9,53–25,4	9,53–25,4
Z	5–6	5–6	4
Corner radius [mm]	0	0	0
Standard	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD
Shank	ConeFit	ConeFit	ConeFit
P Steel	●●		●●
M Stainless steel		●●	●
K Cast iron	●		●
N NF metals		●	
S Materials with difficult cutting properties		●●	●
H Hard materials			
O Other			

Solid carbide high-feed milling cutters

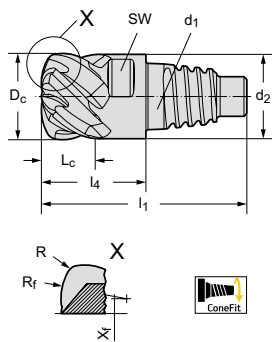
MD025



	P	M	K	N	S	H	O
WJ30RA		●●		●	●●		
WJ30RD	●●		●				

PROTOTYP TOOLS STANDARD

ConeFit

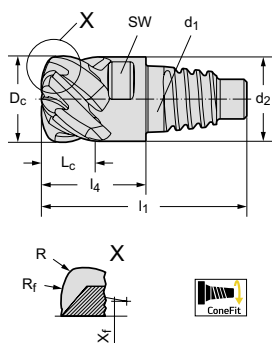


Designation	D _c h9 mm	x _F mm	R _f mm	R _{ers} mm	R mm	L _c mm	l ₁ mm	l ₄ mm	SW mm	d ₁ mm	Z	WJ30RA	WJ30RD
MD025-10.0E5P150-	10	1,7	5	1,998	1,5	5,5	23,6	12,4	8	E10	5	☉	☉
MD025-12.0E6P150-	12	2,25	6	2,103	1,5	6,5	28,3	14,5	10	E12	6	☉	☉
MD025-16.0E6P200-	16	3,1	8	2,747	2	8,5	35,7	18,7	12	E16	6	☉	☉
MD025-20.0E6P200-	20	4	10	3,072	2	11	40,8	21,3	16	E20	6	☉	☉
MD025-25.0E6P300-	25	5	12	4,206	3	13,5	49,6	25,6	20	E25	6	☉	☉

Shoulder milling $a_e \leq 0.5 \times D_c$
 Ordering example for the WJ30RD grade: MD025-10.0E5P150-WJ30RD

PROTOTYP TOOLS STANDARD

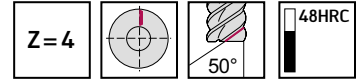
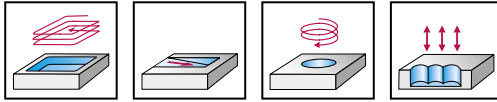
ConeFit



Designation	D _c h9 Inch/No.	x _F inch	R _f inch	R _{ers} inch	R inch	L _c inch	l ₁ inch	l ₄ inch	SW inch	d ₁ inch	Z	WJ30RA	WJ30RD
MD025.9.53E5P152-	3/8"	0,067	0,181	0,076	0,060	0,209	0,929	0,488	0,315	E10	5	☉	☉
MD025.12.7E6P152-	1/2"	0,098	0,236	0,086	0,060	0,276	1,114	0,571	0,394	E12	6	☉	☉
MD025.15.9E6P203-	5/8"	0,118	0,315	0,110	0,080	0,335	1,406	0,736	0,472	E16	6	☉	☉
MD025.19.1E6P203-	3/4"	0,157	0,354	0,117	0,080	0,413	1,606	0,839	0,630	E20	6	☉	☉
MD025.25.4E6P318-	1"	0,197	0,472	0,174	0,125	0,551	1,953	1,008	0,787	E25	6	☉	☉

Shoulder milling $a_e \leq 0.5 \times D_c$
 Ordering example for the WJ30RD grade: MD025.9.53E5P152-WJ30RD

Solid carbide high-feed milling cutters MC025 Advance



P	M	K	N	S	H	O
●	●	●	●	●		

PROTOTYP TOOLS STANDARD		Designation	D _c h9 mm	x _f mm	R _f mm	R _{ers} mm	R mm	L _c mm	l ₁ mm	l ₄ mm	SW mm	d ₁ mm	Z	WJ30TF
ConeFit 		MC025-10.0E4P150-	10	1,7	5	1,998	1,5	5,5	23,6	12,4	8	E10	4	●
		MC025-12.0E4P150-	12	2,25	6	2,103	1,5	6,5	28,3	14,5	10	E12	4	●
		MC025-16.0E4P200-	16	3,1	8	2,747	2	8,5	35,7	18,7	12	E16	4	●
		MC025-20.0E4P200-	20	4	10	3,072	2	11	40,8	21,3	16	E20	4	●
		MC025-25.0E4P300-	25	5	12	4,206	3	13,5	49,6	25,6	20	E25	4	●

Shoulder milling $a_e \leq 0.1 \times D_c$
Ordering example for the WJ30TF grade: MC025-10.0E4P150-WJ30TF

PROTOTYP TOOLS STANDARD		Designation	D _c h9 Inch/No.	x _f inch	R _f inch	R _{ers} inch	R inch	L _c inch	l ₁ inch	l ₄ inch	SW inch	d ₁ inch	Z	WJ30TF
ConeFit 		MC025.9.53E4P152-	3/8"	0,067	0,181	0,076	0,060	0,209	0,929	0,488	0,315	E10	4	●
		MC025.12.7E4P152-	1/2"	0,098	0,236	0,086	0,060	0,276	1,114	0,571	0,394	E12	4	●
		MC025.15.9E4P203-	5/8"	0,118	0,315	0,110	0,080	0,335	1,406	0,736	0,472	E16	4	●
		MC025.19.1E4P203-	3/4"	0,157	0,354	0,117	0,080	0,413	1,606	0,839	0,630	E20	4	●
		MC025.25.4E4P318-	1"	0,197	0,472	0,174	0,125	0,551	1,953	1,008	0,787	E25	4	●

Shoulder milling $a_e \leq 0.1 \times D_c$
Ordering example for the WJ30TF grade: MC025.9.53E4P152-WJ30TF

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

● Other application

Walter Select solid carbide milling tools with ConeFit interface Shoulder milling cutters

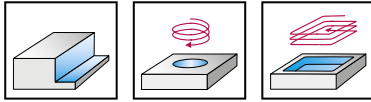
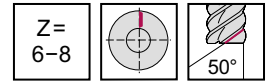
Machining 			
Helix angle	50°		
Designation	MD128	MD128	MC128
Dia. range [mm]	10–25	10–25	10–25
Z	6–8	6–8	6–8
Corner radius [mm]	0–4	0–4	0–4
Standard	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD
Shank	ConeFit	ConeFit	ConeFit
P Steel		●●	●●
M Stainless steel	●●		●
K Cast iron		●	●
N NF metals			
S Materials with difficult cutting properties	●●		●
H Hard materials			
O Other			

Solid carbide shoulder milling cutters

MD128

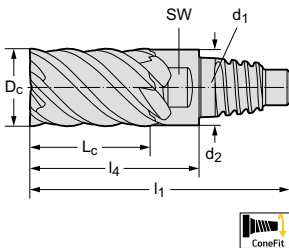


- Type N 50



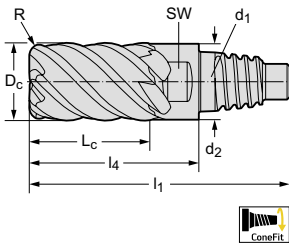
	P	M	K	N	S	H	O
WJ30RA		●●			●●		
WJ30RD	●●		●				

PROTOTYP TOOLS STANDARD		D _c h10 mm	L _c mm	d ₂ mm	l ₁ mm	l ₄ mm	SW mm	d ₁ mm	Z	WJ30RA	WJ30RD
ConeFit	MD128-10.0E6X-	10	15	9,7	33,1	21,9	8	E10	6	☉	☉
	MD128-12.0E6X-	12	18	11,7	39,8	26	10	E12	6	☉	☉
	MD128-16.0E6X-	16	24	15,5	51,2	34,2	12	E16	6	☉	☉
	MD128-20.0E8X-	20	30	19,3	59,8	40,3	16	E20	8	☉	☉
	MD128-25.0E8X-	25	37,5	24,2	73,6	49,8	20	E25	8	☉	☉



Shoulder milling $a_e \leq 0.05 \times D_c$ for ISO-P
 Shoulder milling $a_e \leq 0.025 \times D_c$ for ISO-M and ISO-S
 Ordering example for the WJ30RA grade: MD128-10.0E6X-WJ30RA

PROTOTYP TOOLS STANDARD		D _c h9 mm	R mm	L _c mm	d ₂ mm	l ₁ mm	l ₄ mm	SW mm	d ₁ mm	Z	WJ30RA	WJ30RD
ConeFit	MD128-10.0E6X050-	10	0,5	15	9,7	33,1	21,9	8	E10	6	☉	☉
	MD128-10.0E6X100-	10	1	15	9,7	33,1	21,9	8	E10	6	☉	☉
	MD128-12.0E6X050-	12	0,5	18	11,7	39,8	26	10	E12	6	☉	☉
	MD128-12.0E6X100-	12	1	18	11,7	39,8	26	10	E12	6	☉	☉
	MD128-12.0E6X200-	12	2	18	11,7	39,8	26	10	E12	6	☉	☉
	MD128-16.0E6X050-	16	0,5	24	15,5	51,2	34,2	12	E16	6	☉	☉
	MD128-16.0E6X100-	16	1	24	15,5	51,2	34,2	12	E16	6	☉	☉
	MD128-16.0E6X200-	16	2	24	15,5	51,2	34,2	12	E16	6	☉	☉
	MD128-20.0E8X100-	20	1	30	19,3	59,8	40,3	16	E20	8	☉	☉
	MD128-20.0E8X400-	20	4	30	19,3	59,8	40,3	16	E20	8	☉	☉
	MD128-25.0E8X100-	25	1	37,5	24,2	73,6	49,8	20	E25	8	☉	☉
	MD128-25.0E8X400-	25	4	37,5	24,2	73,6	49,8	20	E25	8	☉	☉



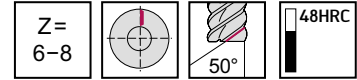
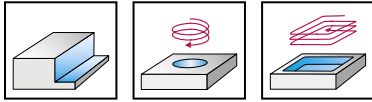
Shoulder milling $a_e \leq 0.05 \times D_c$ for ISO-P
 Shoulder milling $a_e \leq 0.025 \times D_c$ for ISO-M and ISO-S
 Ordering example for the WJ30RA grade: MD128-10.0E6X050-WJ30RA

Solid carbide shoulder milling cutters

MC128



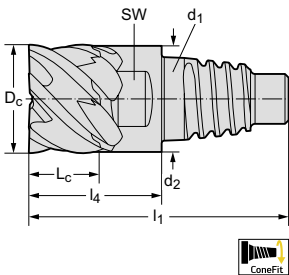
- Type N 50



P	M	K	N	S	H	O
●	●	●	●	●		

PROTOTYP TOOLS STANDARD

	Designation	D _c h10 mm	L _c mm	d ₂ mm	l ₁ mm	l ₄ mm	SW mm	d ₁ mm	Z	WJ30TF
ConeFit	MC128-10.0E6P-	10	5,5	9,7	23,6	12,4	8	E10	6	●
	MC128-12.0E6P-	12	6,5	11,7	28,3	14,5	10	E12	6	●
	MC128-16.0E6P-	16	8,5	15,5	35,7	18,7	12	E16	6	●
	MC128-20.0E8P-	20	11	19,3	40,8	21,3	16	E20	8	●
	MC128-25.0E8P-	25	13,5	24,2	49,6	25,6	20	E25	8	●

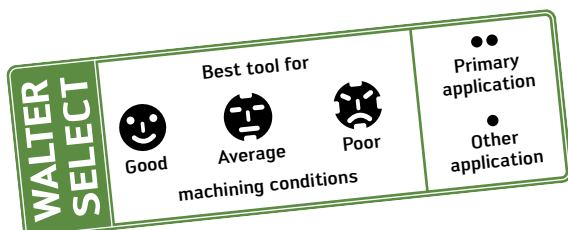


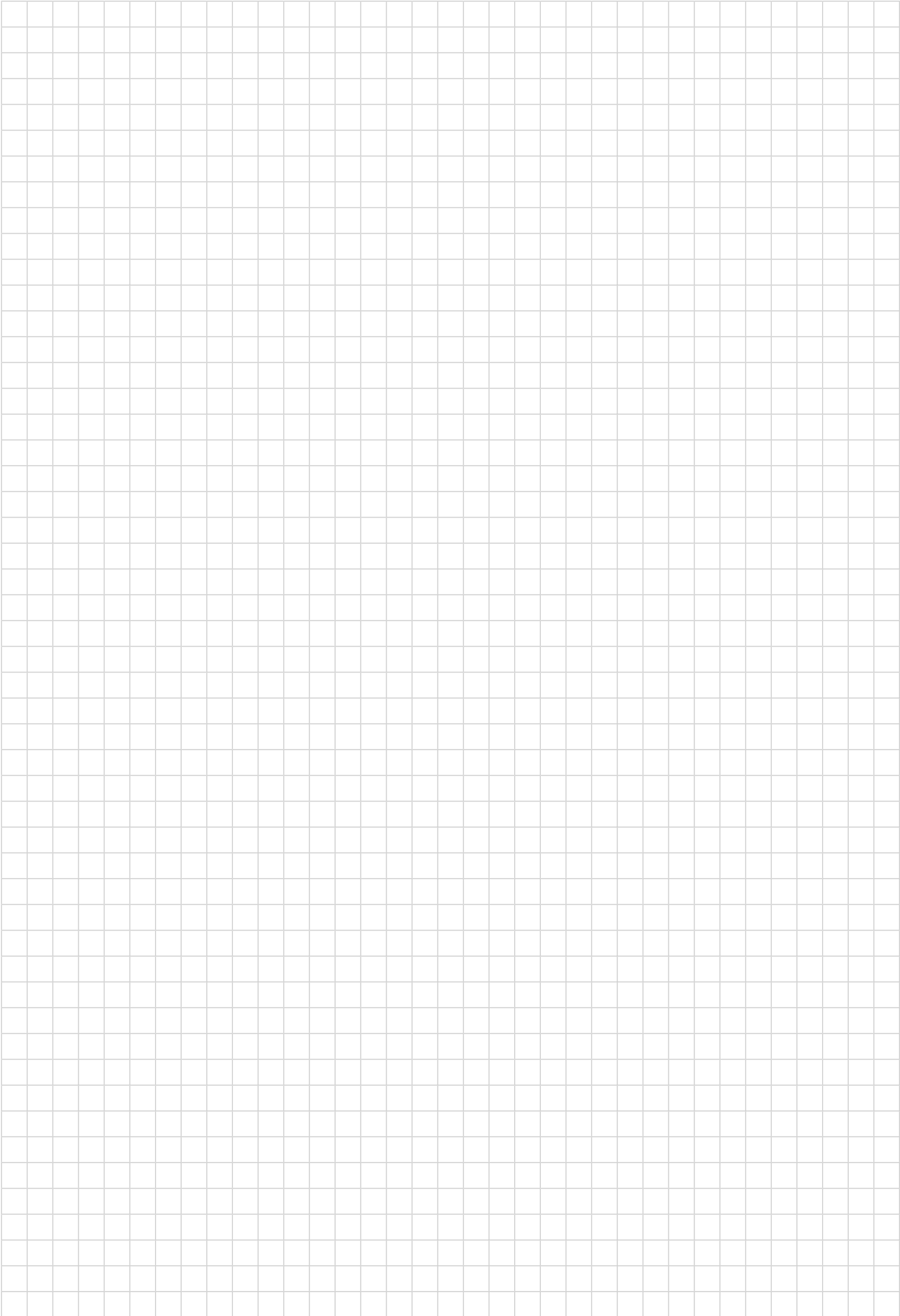
Slot milling $a_p \leq 0.1 \times D_c$
Shoulder milling $a_e \leq 0.1 \times D_c$
Ordering example for the WJ30TF grade: MC128-10.0E6P-WJ30TF

PROTOTYP TOOLS STANDARD

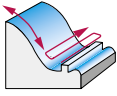



	Designation	D _c h9 mm	R mm	L _c mm	d ₂ mm	l ₁ mm	l ₄ mm	SW mm	d ₁ mm	Z	WJ30TF
ConeFit	MC128-10.0E6P050-	10	0,5	5,5	9,7	23,6	12,4	8	E10	6	●
	MC128-10.0E6P100-	10	1	5,5	9,7	23,6	12,4	8	E10	6	●
	MC128-12.0E6P050-	12	0,5	6,5	11,7	28,3	14,5	10	E12	6	●
	MC128-12.0E6P100-	12	1	6,5	11,7	28,3	14,5	10	E12	6	●
	MC128-12.0E6P150-	12	1,5	6,5	11,7	28,3	14,5	10	E12	6	●
	MC128-12.0E6P200-	12	2	6,5	11,7	28,3	14,5	10	E12	6	●
	MC128-16.0E6P050-	16	0,5	8,5	15,5	35,7	18,7	12	E16	6	●
	MC128-16.0E6P100-	16	1	8,5	15,5	35,7	18,7	12	E16	6	●
	MC128-16.0E6P150-	16	1,5	8,5	15,5	35,7	18,7	12	E16	6	●
	MC128-16.0E6P200-	16	2	8,5	15,5	35,7	18,7	12	E16	6	●
	MC128-20.0E8P100-	20	1	11	19,3	40,8	21,3	16	E20	8	●
	MC128-20.0E8P200-	20	2	11	19,3	40,8	21,3	16	E20	8	●
	MC128-20.0E8P400-	20	4	11	19,3	40,8	21,3	16	E20	8	●
	MC128-25.0E8P100-	25	1	13,5	24,2	49,6	25,6	20	E25	8	●
	MC128-25.0E8P200-	25	2	13,5	24,2	49,6	25,6	20	E25	8	●
	MC128-25.0E8P400-	25	4	13,5	24,2	49,6	25,6	20	E25	8	●

Slot milling $a_p \leq 0.1 \times D_c$
Shoulder milling $a_e \leq 0.1 \times D_c$
Ordering example for the WJ30TF grade: MC128-10.0E6P050-WJ30TF



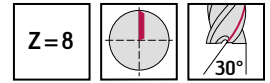


Walter Select solid carbide milling tools with ConeFit interface Circle segment milling cutters

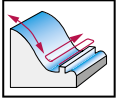
Machining		
		
●● Primary application ● Other application		
Helix angle	30°	
Designation	MD838	MD838
Dia. range [mm]	4–8	4–8
Z	8	8
Corner radius [mm]	2–4	2–4
Standard	PROTOTYP TOOLS STANDARD	PROTOTYP TOOLS STANDARD
Shank	ConeFit	ConeFit
		
P Steel	●●	
M Stainless steel		●●
K Cast iron	●	
N NF metals		●
S Materials with difficult cutting properties		●●
H Hard materials		
O Other		

Solid carbide circle segment milling cutters

MD838



- Conical

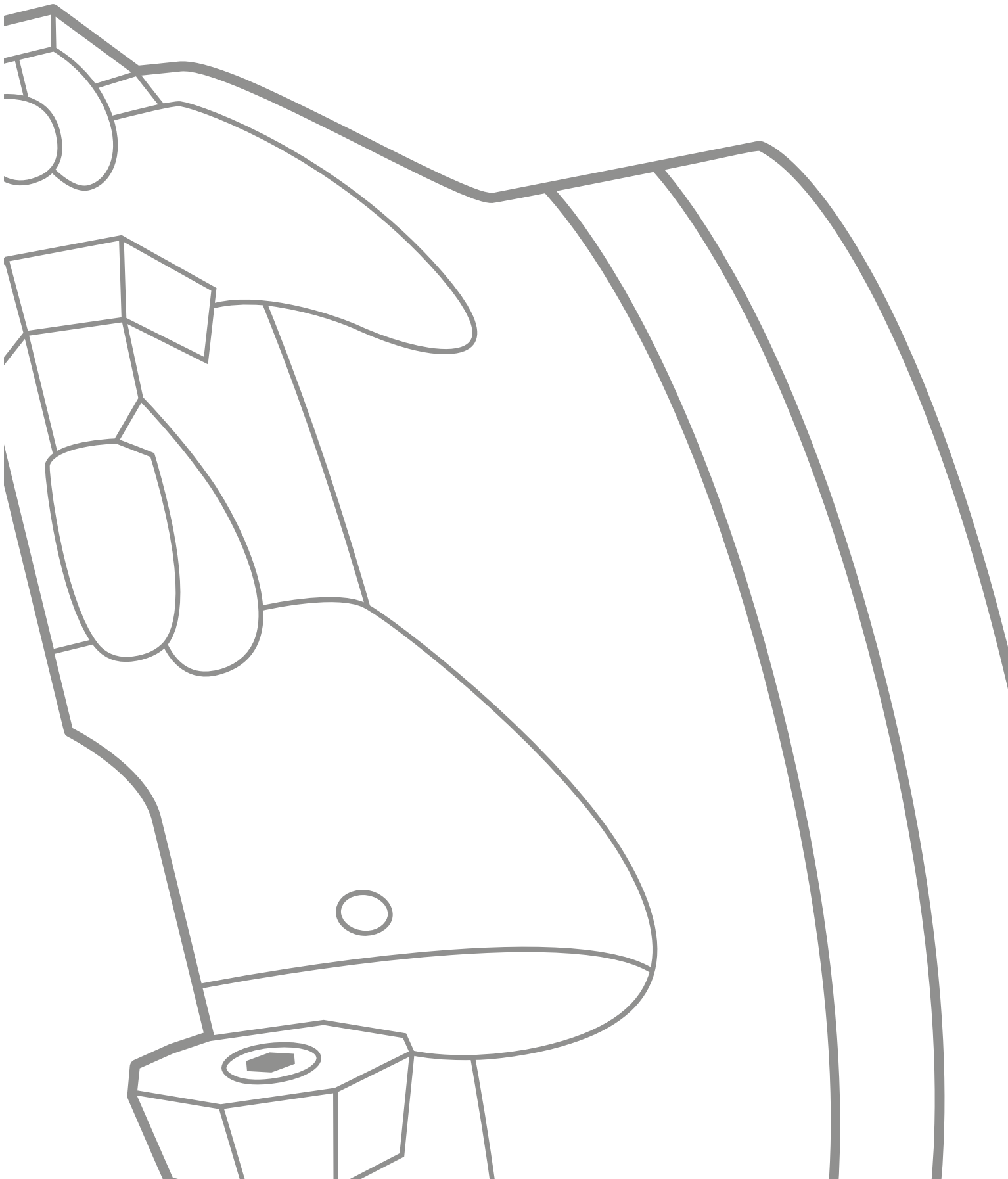


	P	M	K	N	S	H	O
WJ30RA		●●		●	●●		
WJ30RD	●●		●				

PROTOTYP TOOLS STANDARD		Designation	$\alpha/2$	D_a mm	R mm	R_w mm	R_3 mm	L_c mm	l_4 mm	l_1 mm	SW mm	d_1 mm	Z	WJ30RA	WJ30RD
ConeFit		MD838-16E8P201000-	20°	16	2	1000	5	18,99	34,2	51,2	12	E16	8	☉	☉
		MD838-16E8P301000-	20°	16	3	1000	5	17,07	34,2	51,2	12	E16	8	☉	☉
		MD838-16E8P401000-	20°	16	4	1000	5	15,17	34,2	51,2	12	E16	8	☉	☉

Ordering example for the WJ30RD grade: MD838-16E8P201000-WJ30RD

WALTER INDEXABLE INSERT MILLING CUTTERS



	Page
Indexable insert milling cutters	
The benefits of Walter indexable insert milling cutters	84
Product range overview	86
Walter Select	88
Round indexable inserts – ISO standard	94
High-feed milling cutters	96
Button insert milling cutters	106
Copy milling cutters	120
Profile milling cutters	124
Shoulder milling cutters	126
Octagon face milling cutters	160
Face milling cutters	168
Heptagon face milling cutters	176
Slitting and slot milling cutters	180

A close-up photograph of a milling cutter in operation. The cutter is a vertical tool with a yellow insert at its tip, which is cutting into a metal workpiece. The workpiece has a distinct spiral cutting pattern. The background is dark and out of focus, emphasizing the tool and the cutting process.

TOP PERFORMERS

DUE TO A CLEVER COMBINATION.

While solid carbide milling cutters tend to be used for finishing due to the required indexing tolerances, indexable insert milling cutters are usually the first choice for roughing and semi-finishing. They become indispensable once high metal removal rates have to be achieved. For large diameters, there are no alternatives to them because the costs for a solid carbide tool increase to an unacceptable level. Even when the required tolerances can only be achieved with a great deal of polishing afterwards.

Indexable insert milling cutters often offer clear advantages for large components, especially when large tool diameters are required. Even with deep cavities, it can make sense to use indexable insert solutions with high metal removal rates – but only if it is done with a vibration-damping adaptor.

The main strength of indexable insert milling cutters is their flexibility: Thanks to different insert geometries and coatings, they can respond efficiently to all requirements, e.g. by combining the optimum cutting tool material for a material with difficult cutting properties or a long-chipping material with the most suitable milling tool.

THE BENEFITS OF WALTER INDEXABLE INSERT MILLING CUTTERS

Milling cutters and interfaces:

Achieve the highest metal removal rates, stability and process reliability – with Xtra-tec® XT, the latest generation of milling cutters from Walter, with reinforced body and maximised number of teeth.

Walter high-feed milling cutters such as the Xtra-tec® XT M5008 increase productivity by efficiently combining the maximum number of teeth per diameter with the latest cutting tool materials.

Xtra-tec® XT M5468 button insert milling cutters maximise cost-efficiency with eight safely useable, indexed cutting edges.

Versatility due to availability of all common interfaces with the cylindrical modular interface – also on an already existing customer system.

Economical and efficient even with long overhangs and deep cavities due to Walter Accure-tec® adaptors for vibration damping.

Indexable inserts:

State-of-the-art cutting tool materials such as Walter Tiger-tec® Gold multiply tool life and metal removal rates.

Can be used for almost any application due to a wide portfolio of indexable insert basic shapes and geometries

Special Walter grades for hard machining, such as WHH15X, are benchmarks for performance and wear resistance.

Product range overview – Indexable insert milling cutters Face milling cutters

Machining			
Lead angle κ	43°	45°	
Designation	M5004 Xtra-tec® XT	M5009 Xtra-tec® XT	M3024 Walter BLAXX
D_c [mm]	24–160	25–160	40–160
D_c [inch]	0,945–6,299	0,984–6,299	1,575–6,299

Product range overview – Indexable insert milling cutters High-feed milling cutters


Machining		
Lead angle κ	15°	
Designation	M5008 Xtra-tec® XT	M4002
D_c [mm]	10–60	8–102
D_c [inch]	0,394–2,366	0,319–4,024

Product range overview – Indexable insert milling cutters Shoulder milling cutters

Machining						
Lead angle κ	90°					
Designation	M5130 Xtra-tec® XT	M5137 Xtra-tec® XT	M4132	F5041 Walter BLAXX	F5141 Walter BLAXX	F5241 Walter BLAXX
D_c [mm]	10–160	25–100	16–125	25–63	40–160	50–160
D_c [inch]	0,394–6,299	0,984–3,937	0,630–4,921	0,984–2,480	1,575–6,299	1,969–6,299





Product range overview – Indexable insert milling cutters

Slot milling cutters

Machining	
Lead angle κ	90°
Designation	F5055 Walter BLAXX
D _c [mm]	63–500
D _c [inch]	2,480–19,685
	

Product range overview – Indexable insert milling cutters

Copy milling cutters

Machining			
Lead angle κ			
Designation	M5468 Xtra-tec® XT	M5460 Xtra-tec® XT	F2339
D _c [mm]	5–109	8–32	16–50
D _c [inch]	0,197–4,291	0,315–1,260	0,630–1,969
			

Walter Select indexable insert milling cutters High-feed milling cutters

Machining 		
Lead angle κ	15°	
Designation	M5008 Xtra-tec® XT	M4002
Dia. range [mm]	10–60	8–102
Adaptor type	ScrewFit Cylindrical shank Cylindrical, modular Parallel bore	ScrewFit Cylindrical shank Cylindrical, modular Parallel bore
P Steel	●●	●●
M Stainless steel	●●	●●
K Cast iron	●●	●●
N NF metals		●
S Materials with difficult cutting properties	●●	●●
H Hard materials	●●	●
O Other		
Indexable inserts		
Type	ENMX08T316R	SD .. 06T2 .. SD .. 09T3 .. SD .. 1204 ..
Number of cutting edges	4	4
Max. depth of cut [mm]	1	1 / 1,5 / 2

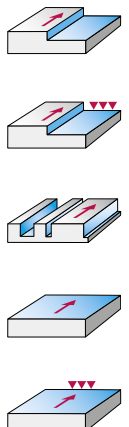


Walter Select indexable insert milling cutters Copy milling cutters

Machining				
<ul style="list-style-type: none"> •• Primary application • Other application 				
Lead angle κ				
Designation	M5468	M5468	M5460	F2339
Dia. range [mm]	10–30	16–125	0	0
Adaptor type	DIN 1835 B ScrewFit Cylindrical, modular	DIN 1835 B ScrewFit Cylindrical, modular Parallel bore	DIN 1835 B Cylindrical shank Cylindrical, modular	DIN 1835 B ScrewFit Cylindrical shank Cylindrical, modular
P Steel	••	••	••	••
M Stainless steel	••	••	••	••
K Cast iron	••	••	••	••
N NF metals	••	••		
S Materials with difficult cutting properties	••	••	••	•
H Hard materials	•	•	••	•
O Other	•	•	•	
Indexable inserts				
Type	RD . X0501M0 RD . X07T1M0	RO . X0803M04 RO . X10T3M08 RO . X1204M08 RO . X1605M08 ...	P320 . -D08 P320 . -D10 P320 . -D12 P320 . -D16 ...	XD . T1303080R XD . T16T3100R XD . T2004125R XD . T2405150R ...
Number of cutting edges	4	4/8		2/4
Max. depth of cut [mm]	2,5 / 3,5	4 / 5 / 6 / 8 / 10	4 / 5 / 6 / 8 / 10 / 12,5 / 15 / 16	11 / 15 / 20 / 24 / 25 / 28 / 31 / 32 / 40 / 42 / 43 / 57

Walter Select indexable insert milling cutters

Shoulder milling cutters

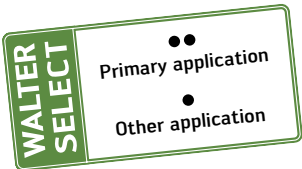
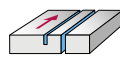


Machining					
Lead angle κ	90°	90°	90°		
Designation	M5130	M5137	M4132	F5041	F5141
Dia. range [mm]	10–160	25–100	16–125	25–63	40–160
Shank	DIN 1835 B ScrewFit Cylindrical shank Cylindrical, modular Parallel bore	DIN 1835 B Parallel bore	DIN 1835 B ScrewFit Cylindrical, modular Parallel bore	DIN 1835 B ScrewFit Cylindrical shank Parallel bore	DIN 1835 B ScrewFit Cylindrical shank Parallel bore
P Steel	••	••	••	••	••
M Stainless steel	••	••	••	••	••
K Cast iron	••	••	••	••	••
N NF metals	••	••	••	••	••
S Materials with difficult cutting properties	••	••	••	••	••
H Hard materials	•		•	•	•
O Other	•		•	•	•
Indexable inserts					
Type	AC .. T0602 .. R BC .. 0903 .. R BC .. T1204 .. R BC .. 1605 .. R	TN MU11T304R TN MU160508R	SD .. 06T2 .. SD .. 09T3 .. SD .. 1204 ..	LN .. 0904 .. R	LN .. 1306 .. R
Number of cutting edges	2	6	4	4/2	4/2
Max. depth of cut [mm]	5 / 9 / 12 / 15	5 / 8	6 / 8 / 12	8	12

	
	90°
	F5241
	50-160
	Parallel bore
	
	••
	••
	••
	••
	••
	•
	•
	
	LNHU1607 .. R
	4
	15

Walter Select indexable insert milling cutters Face milling cutters

Machining 				
	43°		45°	
Designation	M5004 Xtra-tec® XT	M5009 Xtra-tec® XT	M3024 Walter BLAXX	
Dia. range [mm]	24–160	25–160	40–160	
Adaptor type	ScrewFit Cylindrical shank Cylindrical, modular Parallel bore	ScrewFit Parallel bore	Parallel bore	
P Steel	••	••	••	
M Stainless steel	••	••	••	
K Cast iron	••	••	••	
N NF metals	••	••	••	
S Materials with difficult cutting properties	••	••	••	
H Hard materials	•	•		
O Other	•	•		
Indexable inserts				
Type	OD .. 0504 .. OD .. 0504ZZ .. OD .. 0605 .. ODHX0605ZZR	SNMX090408 SN . X0904ANN XNGX0904ANN SN . X1205	XN . U0705 .. XNGX0705ANN XNMU0906 ..	
Number of cutting edges	8/1	8/2	14/2	
Max. depth of cut [mm]	3 / 4	5 / 6	4 / 6	

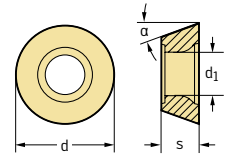
Walter Select indexable insert milling cutters Slot milling cutters

Machining		
Lead angle κ		90°
Designation		F5055
Dia. range [mm]		63–500
Shank		Parallel bore
		
P Steel		••
M Stainless steel		•
K Cast iron		••
N NF metals		••
S Materials with difficult cutting properties		•
H Hard materials		
O Other		
Indexable inserts		
Type		SX-1 SX-2 SX-3 SX-4 ...
Number of cutting edges		1
Max. depth of cut [mm]		

Positive round RDHX / RDMX / RDGX

Tiger-tec® Gold

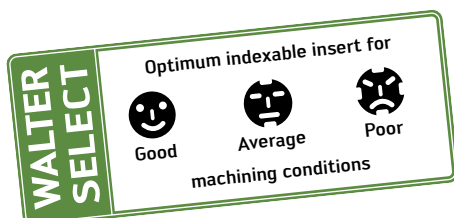
The ISO standard

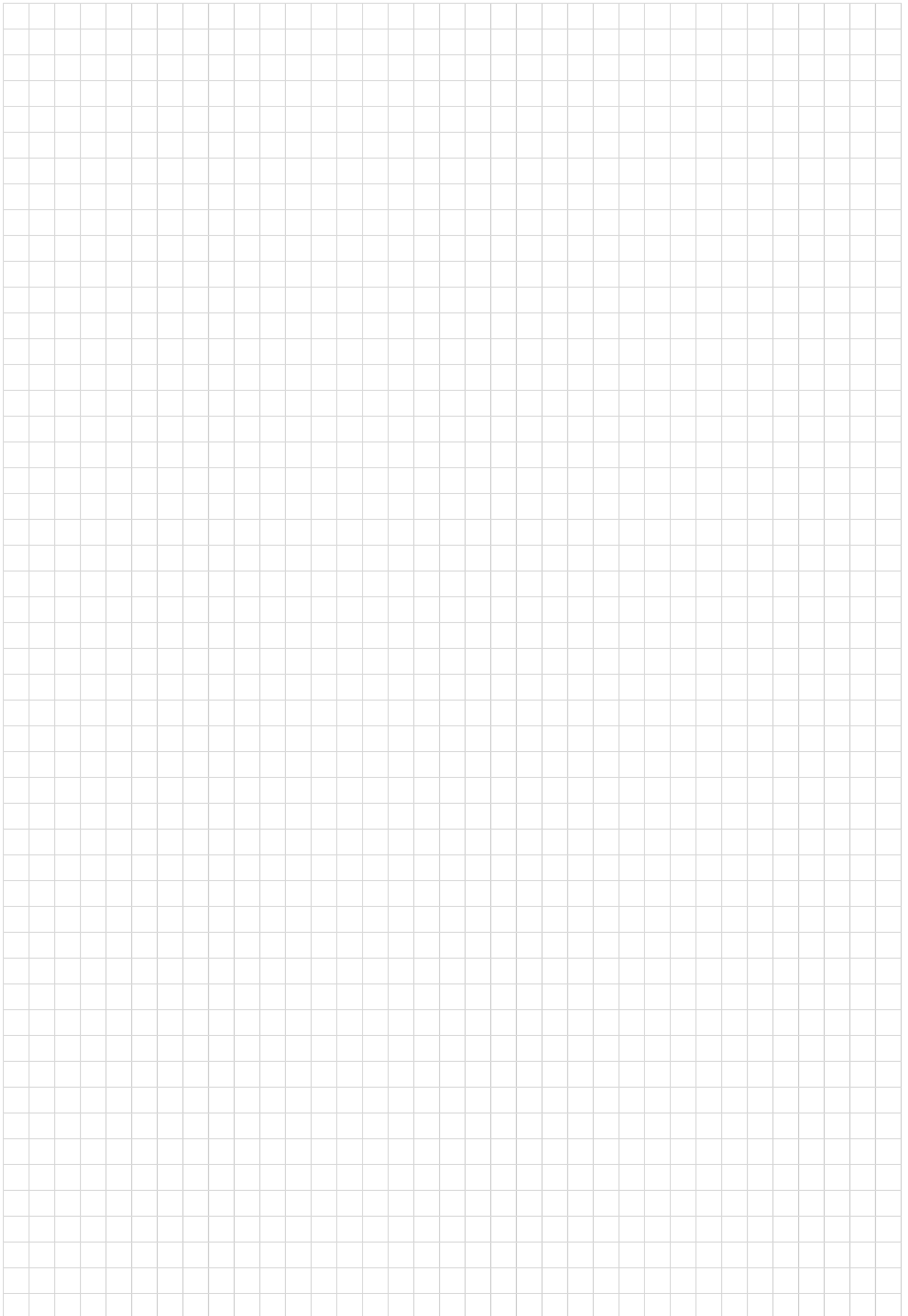


Indexable inserts

Designation	Tolerance class	d mm	s mm	α	d ₁ mm	P				M		K			N	S	H	
						HC				HC		HC			HW	HC	HC	
						WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSP45G	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WSM35S	WSP45G
	RDHX1003M0T-A27	H	10	3,18	15°	4,4	HC	HC	HC			HC	HC					
	RDHX12T3M0T-A27	H	12	3,97	15°	4,4	HC	HC	HC			HC	HC					
	RDHX1604M0T-A27	H	16	4,76	15°	5,5	HC	HC	HC			HC	HC					
	RDHX2006M0T-A27	H	20	5,97	15°	5,5	HC	HC	HC			HC	HC					
	RDHX0501M0-A57	H	5	1,47	15°	2,2	HC	HC	HC			HC	HC				HC	
	RDHX07T1M0-A57	H	7	1,96	15°	2,8	HC	HC	HC			HC	HC				HC	
	RDHX0702M0-A57	H	7	2,35	15°	2,8	HC	HC	HC			HC	HC				HC	
	RDHX1003M0-A57	H	10	3,18	15°	4,4	HC	HC	HC			HC	HC				HC	
	RDHX12T3M0-A57	H	12	3,97	15°	4,4	HC	HC	HC			HC	HC				HC	
	RDHX1604M0-A57	H	16	4,76	15°	5,5	HC	HC	HC			HC	HC				HC	
	RDHX2006M0-A57	H	20	6	15°	5,5	HC	HC	HC			HC	HC				HC	
	RDHX2006M0-A57	H	20	6	15°	5,5	HC	HC	HC			HC	HC				HC	
	RDMX1003M0T-A27	M	10	3,18	15°	4,4	HC	HC	HC			HC	HC					
	RDMX12T3M0T-A27	M	12	3,97	15°	4,4	HC	HC	HC			HC	HC					
	RDMX1604M0T-A27	M	16	4,76	15°	5,5	HC	HC	HC			HC	HC					
	RDGX0501M0-G88	G	5	1,45	15°	2,2								HC				
	RDGX07T1M0-G88	G	7	1,94	15°	2,8								HC				
	RDGX1003M0-G88	G	10	3,18	15°	4,4								HC				
	RDGX12T3M0-G88	G	12	3,97	15°	4,4								HC				
	RDGX1604M0-G88	G	16	4,76	15°	5,5								HC				
	RDGX2006M0-G88	G	20	6	15°	5,5								HC				
	RDMX0501M0-D57	M	5	1,45	15°	2,2	HC	HC	HC	HC		HC	HC			HC		
	RDMX07T1M0-D57	M	7	1,94	15°	2,8	HC	HC	HC	HC		HC	HC			HC		
	RDMX1003M0-D57	M	10	3,18	15°	4,4	HC	HC	HC	HC		HC	HC			HC		
	RDMX12T3M0-D57	M	12	3,97	15°	4,4	HC	HC	HC	HC		HC	HC			HC		
	RDMX1604M0-D57	M	16	4,76	15°	5,5	HC	HC	HC	HC		HC	HC			HC		
	RDMX2006M0-D57	M	20	6	15°	5,5	HC	HC	HC	HC		HC	HC			HC		

HC = Coated carbide
HW = Uncoated carbide





High-feed milling cutters

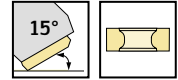
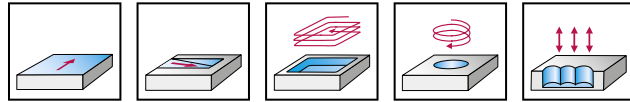
M5008

ENMX08T316R

Xtra-tec® XT



– Four cutting edges per indexable insert



M5008	P	M	K	N	S	H	O
	●●	●●	●●	●●	●●	●●	●●

Tool	Designation	D _c mm	D _a mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	a _r mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5008-016-T14-02-01	10,1	16	T14	25		1	2,9	2	0,0	2	ENMX08T316R
	M5008-020-T18-03-01	14,1	20	T18	30		1	2,9	3	0,0	3	
	M5008-020-T18-04-01	14,1	20	T18	30		1	2,9	4	0,0	4	
	M5008-025-T22-04-01	19,1	25	T22	35		1	2,9	4	0,1	4	
	M5008-025-T22-05-01	19,1	25	T22	35		1	2,9	5	0,1	5	
	M5008-030-T28-04-01	24,1	30	T28	40		1	2,9	4	0,2	4	
	M5008-030-T28-05-01	24,1	30	T28	40		1	2,9	5	0,2	5	
	M5008-032-T28-05-01	26,1	32	T28	40		1	2,9	5	0,2	5	
	M5008-032-T28-06-01	26,1	32	T28	40		1	2,9	6	0,2	6	
	M5008-035-T28-05-01	29,1	35	T28	40		1	2,9	5	0,2	5	
	M5008-035-T28-06-01	29,1	35	T28	40		1	2,9	6	0,2	6	
	M5008-040-T36-06-01	34,1	40	T36	40		1	2,9	6	0,3	6	
	M5008-040-T36-08-01	34,1	40	T36	40		1	2,9	8	0,3	8	
	M5008-042-T36-06-01	36,1	42	T36	40		1	2,9	6	0,3	6	
M5008-042-T36-08-01	36,1	42	T36	40		1	2,9	8	0,3	8		
Cylindrical, modular 	M5008-016-TC08-02-01	10,1	16	M8	25		1	2,9	2	0,0	2	ENMX08T316R
	M5008-020-TC10-03-01	14,1	20	M10	30		1	2,9	3	0,0	3	
	M5008-020-TC10-04-01	14,1	20	M10	30		1	2,9	4	0,0	4	
	M5008-025-TC12-04-01	19,1	25	M12	35		1	2,9	4	0,1	4	
	M5008-025-TC12-05-01	19,1	25	M12	35		1	2,9	5	0,1	5	
	M5008-030-TC16-04-01	24,1	30	M16	40		1	2,9	4	0,2	4	
	M5008-030-TC16-05-01	24,1	30	M16	40		1	2,9	5	0,2	5	
	M5008-032-TC16-05-01	26,1	32	M16	40		1	2,9	5	0,2	5	
	M5008-032-TC16-06-01	26,1	32	M16	40		1	2,9	6	0,2	6	
	M5008-035-TC16-05-01	29,1	35	M16	40		1	2,9	5	0,2	5	
	M5008-035-TC16-06-01	29,1	35	M16	40		1	2,9	6	0,2	6	
	M5008-040-TC16-06-01	34,1	40	M16	40		1	2,9	6	0,2	6	
	M5008-040-TC16-08-01	34,1	40	M16	40		1	2,9	8	0,2	8	
	M5008-042-TC16-06-01	36,1	42	M16	40		1	2,9	6	0,2	6	
M5008-042-TC16-08-01	36,1	42	M16	40		1	2,9	8	0,2	8		
Cylindrical shank 	M5008-016-A16-02-01	10	16	16	30	100	1	2,9	2	0,1	2	ENMX08T316R
	M5008-020-A20-03-01	14,1	20	20	50	130	1	2,9	3	0,3	3	
	M5008-020-A20-04-01	14,1	20	20	50	130	1	2,9	4	0,3	4	
	M5008-025-A25-04-01	19,1	25	25	60	140	1	2,9	4	0,5	4	
	M5008-025-A25-05-01	19,1	25	25	60	140	1	2,9	5	0,5	5	
	M5008-032-A32-05-01	26,1	32	32	70	150	1	2,9	5	0,8	5	
M5008-032-A32-06-01	26,1	32	32	70	150	1	2,9	6	0,8	6		

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		10–36,1
	Clamping screw for indexable insert Tightening torque	FS1454 (Torx 8IP) 1,2 Nm

Accessories

D _c [mm]		10–36,1
	Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2012 (Torx 8IP)
	Screwdriver	FS1483 (Torx 8IP)

Indexable inserts

Designation	s mm	r mm	P			M			K			N		S		H				
			HC			HC			HC			HW	HC	HC		HC				
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WXN15	WSM35S	WSP45S	WSP45G
ENMX08T316R-D27	3,60	1,6	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉		☉	☉	☉	☉	☉	☉
ENMX08T316R-F47	3,60	1,6	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉		☉	☉	☉	☉	☉	☉

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

• Other application

High-feed milling cutters

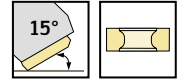
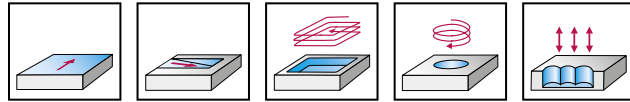
M5008

ENMX08T316R

Xtra-tec® XT



– Four cutting edges per indexable insert




	P	M	K	N	S	H	O
M5008	●●	●●	●●	●●	●●	●●	●●



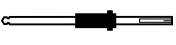
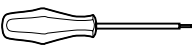
Tool	Designation	D _c mm	D _a mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	a _r mm	Z	kg	No. of indexable inserts	Type
												ENMX08T316R
Parallel bore DIN 138 transverse keyway 	M5008-032-B16-05-01	26,1	32	16	40		1	2,9	5	0,1	5	
	M5008-032-B16-06-01	26,1	32	16	40		1	2,9	6	0,1	6	
	M5008-035-B16-05-01	29,1	35	16	40		1	2,9	5	0,1	5	
	M5008-035-B16-06-01	29,1	35	16	40		1	2,9	6	0,1	6	
	M5008-040-B16-06-01	34,1	40	16	40		1	2,9	6	0,2	6	
	M5008-040-B16-08-01	34,1	40	16	40		1	2,9	8	0,2	8	
	M5008-042-B16-06-01	36,1	42	16	40		1	2,9	6	0,2	6	
	M5008-042-B16-08-01	36,1	42	16	40		1	2,9	8	0,2	8	
	M5008-050-B22-07-01	44,1	50	22	40		1	2,9	7	0,4	7	
	M5008-050-B22-09-01	44,1	50	22	40		1	2,9	9	0,4	9	
	M5008-052-B22-07-01	46,1	52	22	40		1	2,9	7	0,4	7	
	M5008-052-B22-09-01	46,1	52	22	40		1	2,9	9	0,4	9	
	M5008-063-B22-08-01	57,1	63	22	40		1	2,9	8	0,5	8	
	M5008-063-B22-10-01	57,1	63	22	40		1	2,9	10	0,5	10	
	M5008-066-B27-08-01	60,1	66	27	50		1	2,9	8	0,8	8	
	M5008-066-B27-10-01	60,1	66	27	50		1	2,9	10	0,8	10	

Bodies and assembly parts are included in the scope of delivery

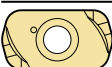
Assembly parts

D _c [mm]		26,1–60,1
	Clamping screw for indexable insert Tightening torque	FS1454 (Torx 8IP) 1,2 Nm

Accessories

D _c [mm]		26,1–60,1
	Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2012 (Torx 8IP)
	Screwdriver	FS1483 (Torx 8IP)


Indexable inserts


Designation	s mm	r mm	P		M		K			N		S		H							
			HC		HC		HC			HW	HC	HC		HC							
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WXN15	WSM35S	WSP45S	WSP45G	WHH15
 ENMX08T316R-D27	3,60	1,6	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕
ENMX08T316R-F47	3,60	1,6	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕


HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement


Very good


Good


Moderate

●● Primary application

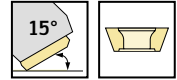
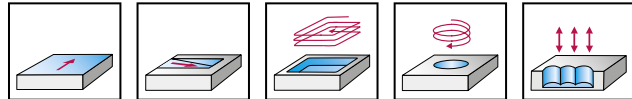
● Other application

High-feed milling cutters

M4002



– Four cutting edges per indexable insert



	P	M	K	N	S	H	O
M4002	●	●	●	●	●	●	●

Tool	Designation	D _c mm	D _a * mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	a _r mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M4002-020-T18-02-01	8	20	T18	30		1	5,7	2	0,1	2	SD .. 06T2 ..
	M4002-025-T22-02-01,5	8	25	T22	40		1,5	8,4	2	0,1	2	SD .. 09T3 ..
	M4002-025-T22-03-01	13	25	T22	35		1	5,7	3	0,1	3	SD .. 06T2 ..
	M4002-032-T28-03-01,5	15	32	T28	40		1,5	8,4	3	0,2	3	SD .. 09T3 ..
	M4002-032-T28-04-01	20	32	T28	40		1	5,7	4	0,2	4	SD .. 06T2 ..
	M4002-035-T28-03-01,5	18	35	T28	40		1,5	8,4	3	0,2	3	SD .. 09T3 ..
	M4002-035-T28-04-01	23	35	T28	40		1	5,7	4	0,2	4	SD .. 06T2 ..
	M4002-040-T36-04-01,5	23	40	T36	40		1,5	8,4	4	0,3	4	SD .. 09T3 ..
	M4002-042-T36-03-01,5	25	42	T36	40		1,5	8,4	3	0,3	3	SD .. 06T2 ..
	M4002-042-T36-05-01	30	42	T36	40		1	5,7	5	0,4	5	SD .. 06T2 ..
Cylindrical, modular 	M4002-020-TC10-02-01	8	20	M10	30		1	5,7	2	0,1	2	SD .. 06T2 ..
	M4002-025-TC12-02-01,5	8	25	M12	40		1,5	8,4	2	0,1	2	SD .. 09T3 ..
	M4002-025-TC12-03-01	13	25	M12	35		1	5,7	3	0,1	3	SD .. 06T2 ..
	M4002-032-TC16-03-01,5	15	32	M16	40		1,5	8,4	3	0,1	3	SD .. 09T3 ..
	M4002-032-TC16-04-01	20	32	M16	40		1	5,7	4	0,2	4	SD .. 06T2 ..
	M4002-035-TC16-03-01,5	18	35	M16	40		1,5	8,4	3	0,2	3	SD .. 09T3 ..
	M4002-035-TC16-03-01	23	35	M16	40		1	5,7	3	0,2	3	SD .. 06T2 ..
	M4002-035-TC16-04-01	23	35	M16	40		1	5,7	4	0,2	4	SD .. 06T2 ..
Cylindrical shank 	M4002-020-A20-02-01	8	20	20	30	200	1	5,7	2	0,5	2	SD .. 06T2 ..
	M4002-025-A25-03-01	13	25	25	35	200	1	5,7	3	0,8	3	SD .. 06T2 ..
	M4002-032-A32-04-01	20	32	32	40	250	1	5,7	4	1,5	4	SD .. 06T2 ..

* Measured using SDM.06T204, SDM.09T308, SDM.120408
 Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	SD .. 06T2 ..	SD .. 09T3 ..
Clamping screw for indexable insert Tightening torque	FS2084 (Torx 7IP) 0,9 Nm	FS2266 (Torx 10IP) 2,0 Nm

Accessories

Type	SD .. 06T2 ..	SD .. 09T3 ..
Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm
Torque screwdriver, digital Tightening torque		FS2248 1,0–6,0 Nm
Interchangeable blade	FS2011 (Torx 7IP)	FS2268 (Torx 10IP)
Screwdriver	FS2088 (Torx 7IP)	FS2267 (Torx 10IP)

Indexable inserts

Designation	r mm	b mm	P				M			K				N		S		
			HC				HC			HC				HC	HW	HC		
			WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X
SDMX0904ZDR-E27	0,9	0,8																
SDMT06T2ZDR-D57	0,4	1,2																
SDMT09T3ZDR-D57	0,8	1,2																
SDHT06T204-G88	0,4																	
SDMT06T204-D57	0,4																	
SDMT06T204-F57	0,4																	
SDMT06T212-F57	1,2																	
SDMW06T204-A57	0,4																	
SDHT09T308-G88	0,8																	
SDMT09T308-D57	0,8																	
SDMT09T308-F57	0,8																	
SDMT09T320-F57	2																	
SDMW09T308-A57	0,8																	
SDMW09T320-A57	2																	

For SD..120425 indexable inserts, the circumference of the body must be reworked.
 $R_{(body)} = r_{(indexable\ insert)}$

HC = Coated carbide
 HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

Very good

Good

Moderate

•• Primary application

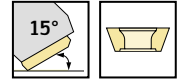
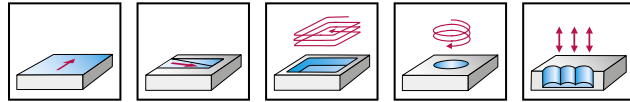
• Other application

High-feed milling cutters

M4002



– Four cutting edges per indexable insert



	P	M	K	N	S	H	O
M4002	●	●	●	●	●	●	●

Tool	Designation	D _c mm	D _a * mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	a _r mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M4002-040-B16-05-01	28	40	16	40		1	5,7	5	0,2	5	SD .. 06T2 ..
	M4002-040-B16-05-01	28	40	16	40		1	5,7	5	0,2	5	SD .. 09T3 ..
	M4002-042-B16-04-01,5	25	42	16	40		1,5	8,4	4	0,2	4	SD .. 1204 ..
	M4002-042-B16-04-01,5	25	42	16	40		1,5	8,4	4	0,2	4	SD .. 1204 ..
	M4002-050-B22-04-02	27	50	22	40		2	11,4	4	0,3	4	SD .. 09T3 ..
	M4002-050-B22-04-02	27	50	22	40		2	11,4	4	0,3	4	SD .. 1204 ..
	M4002-050-B22-05-02	27	50	22	40		2	11,4	5	0,3	5	SD .. 09T3 ..
	M4002-050-B22-05-02	27	50	22	40		2	11,4	5	0,3	5	SD .. 1204 ..
	M4002-050-B22-05-01,5	33	50	22	40		1,5	8,4	5	0,3	5	SD .. 09T3 ..
	M4002-050-B22-05-01,5	33	50	22	40		1,5	8,4	5	0,3	5	SD .. 1204 ..
	M4002-050-B22-07-01	38	50	22	40		1	5,7	7	0,4	7	SD .. 06T2 ..
	M4002-050-B22-07-01	38	50	22	40		1	5,7	7	0,4	7	SD .. 1204 ..
	M4002-052-B22-03-02	29	52	22	40		2	11,4	3	0,4	3	SD .. 09T3 ..
	M4002-052-B22-03-02	29	52	22	40		2	11,4	3	0,4	3	SD .. 1204 ..
	M4002-052-B22-04-02	29	52	22	40		2	11,4	4	0,3	4	SD .. 09T3 ..
	M4002-052-B22-04-02	29	52	22	40		2	11,4	4	0,3	4	SD .. 1204 ..
	M4002-052-B22-05-02	29	52	22	40		2	11,4	5	0,4	5	SD .. 09T3 ..
	M4002-052-B22-05-02	29	52	22	40		2	11,4	5	0,4	5	SD .. 1204 ..
	M4002-052-B22-04-01,5	35	52	22	40		1,5	8,4	4	0,4	4	SD .. 09T3 ..
	M4002-052-B22-04-01,5	35	52	22	40		1,5	8,4	4	0,4	4	SD .. 1204 ..
	M4002-052-B22-05-01,5	35	52	22	40		1,5	8,4	5	0,4	5	SD .. 09T3 ..
	M4002-052-B22-05-01,5	35	52	22	40		1,5	8,4	5	0,4	5	SD .. 1204 ..
	M4002-052-B22-06-01	40	52	22	40		1	5,7	6	0,4	6	SD .. 06T2 ..
	M4002-052-B22-06-01	40	52	22	40		1	5,7	6	0,4	6	SD .. 1204 ..
	M4002-063-B22-05-02	40	63	22	40		2	11,4	5	0,6	5	SD .. 09T3 ..
	M4002-063-B22-05-02	40	63	22	40		2	11,4	5	0,6	5	SD .. 1204 ..
	M4002-063-B22-06-02	40	63	22	40		2	11,4	6	0,5	6	SD .. 09T3 ..
	M4002-063-B22-06-02	40	63	22	40		2	11,4	6	0,5	6	SD .. 1204 ..
	M4002-063-B22-06-01,5	46	63	22	50		1,5	8,4	6	0,8	6	SD .. 09T3 ..
	M4002-063-B22-06-01,5	46	63	22	50		1,5	8,4	6	0,8	6	SD .. 1204 ..
	M4002-066-B27-04-02	43	66	27	50		2	11,4	4	0,8	4	SD .. 09T3 ..
	M4002-066-B27-04-02	43	66	27	50		2	11,4	4	0,8	4	SD .. 1204 ..
	M4002-066-B27-05-02	43	66	27	50		2	11,4	5	0,8	5	SD .. 09T3 ..
	M4002-066-B27-05-02	43	66	27	50		2	11,4	5	0,8	5	SD .. 1204 ..
	M4002-066-B27-06-02	43	66	27	50		2	11,4	6	0,8	6	SD .. 09T3 ..
	M4002-066-B27-06-02	43	66	27	50		2	11,4	6	0,8	6	SD .. 1204 ..

* Measured using SDM.06T204, SDM.09T308, SDM.120408
 Bodies and assembly parts are included in the scope of delivery

Continued

Continued

Tool	Designation	D _c mm	D _a * mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	a _r mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M4002-066-B27-05-01,5	49	66	27	50		1,5	8,4	5	0,8	5	SD .. 09T3 ..
	M4002-066-B27-05-01,5	49	66	27	50		1,5	8,4	5	0,8	5	
	M4002-066-B27-06-01,5	49	66	27	50		1,5	8,4	6	0,8	6	
	M4002-066-B27-06-01,5	49	66	27	50		1,5	8,4	6	0,8	6	
	M4002-080-B27-06-02	57	80	27	50		2	11,4	6	1,0	6	
	M4002-080-B27-06-02	57	80	27	50		2	11,4	6	1,3	6	
	M4002-080-B27-08-02	57	80	27	50		2	11,4	8	1,3	8	
	M4002-080-B27-08-02	57	80	27	50		2	11,4	8	1,3	8	
	M4002-085-B27-05-02	62	85	27	50		2	11,4	5	1,5	5	SD .. 1204 ..
	M4002-085-B27-05-02	62	85	27	50		2	11,4	5	1,5	5	
	M4002-085-B27-06-02	62	85	27	50		2	11,4	6	1,4	6	
	M4002-085-B27-06-02	62	85	27	50		2	11,4	6	1,4	6	
	M4002-085-B27-08-02	62	85	27	50		2	11,4	8	1,5	8	
	M4002-085-B27-08-02	62	85	27	50		2	11,4	8	1,5	8	
	M4002-100-B32-07-02	77	100	32	60		2	11,4	7	2,6	7	
	M4002-100-B32-07-02	77	100	32	60		2	11,4	7	2,6	7	
	M4002-100-B32-09-02	77	100	32	60		2	11,4	9	2,6	9	
	M4002-100-B32-09-02	77	100	32	60		2	11,4	9	2,6	9	
	M4002-125-B40-08-02	102	125	40	60		2	11,4	8	3,0	8	
	M4002-125-B40-08-02	102	125	40	60		2	11,4	8	3,0	8	

* Measured using SDM.06T204, SDM.09T308, SDM.120408
 Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	SD .. 06T2 ..	SD .. 09T3 ..	SD .. 1204 ..
Clamping screw for indexable insert Tightening torque	FS2084 (Torx 7IP) 0,9 Nm	FS2266 (Torx 10IP) 2,0 Nm	FS1453 (Torx 15IP) 3,5 Nm

Accessories

Type	SD .. 06T2 ..	SD .. 09T3 ..	SD .. 1204 ..
Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
Torque screwdriver, digital Tightening torque		FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
Interchangeable blade	FS2011 (Torx 7IP)	FS2268 (Torx 10IP)	FS2014 (Torx 15IP)
Screwdriver	FS2088 (Torx 7IP)	FS2267 (Torx 10IP)	FS1485 (Torx 15IP)

Indexable inserts

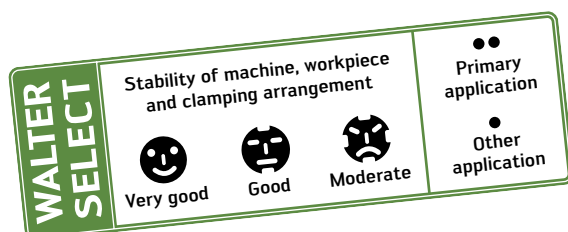
Designation	r mm	b mm	P				M			K				N		S			
			HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC		
			WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45G
SDMX0904ZDR-E27	0,9	0,8																	
SDMX1205ZDR-E27	1,6	1,2																	
SDMT06T2ZDR-D57	0,4	1,2																	
SDMT09T3ZDR-D57	0,8	1,2																	
SDMT1204ZDR-D57	0,8	1,8																	
SDHT06T204-G88	0,4																		
SDMT06T204-D57	0,4																		
SDMT06T204-F57	0,4																		
SDMT06T212-F57	1,2																		
SDMW06T204-A57	0,4																		
SDHT09T308-G88	0,8																		
SDMT09T308-D57	0,8																		
SDMT09T308-F57	0,8																		
SDMT09T320-F57	2																		
SDMW09T308-A57	0,8																		
SDMW09T320-A57	2																		
SDHT120408-G88	0,8																		
SDMT120408-D57	0,8																		
SDMT120408-F57	0,8																		
SDMT120425-F57	2,5																		
SDMW120408-A57	0,8																		
SDMW120425-A57	2,5																		

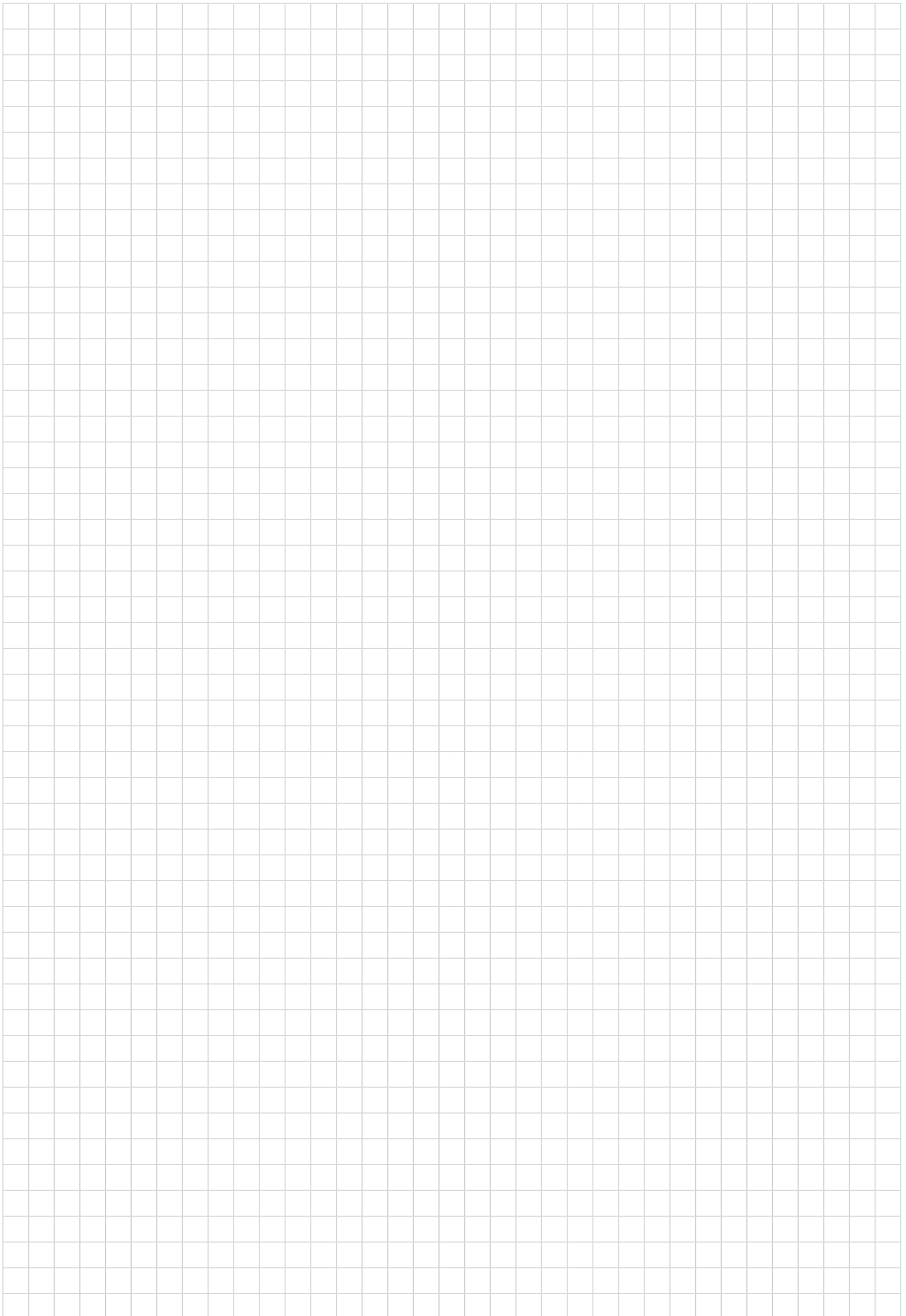
For SD..120425 indexable inserts, the circumference of the body must be reworked.

 $R_{(body)} = r_{(indexable\ insert)}$

HC = Coated carbide

HW = Uncoated carbide



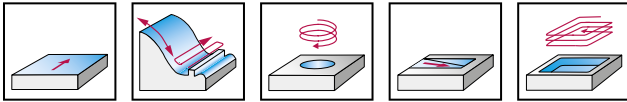


Button insert milling cutters

M5468

RD . X0501M0

Xtra-tec® XT




	P	M	K	N	S	H	O
M5468	●	●	●	●	●	●	●



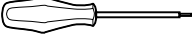
Tool	Designation	R mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	l ₁ mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5468-010-T09-02-02.5	2,5	10	T09	20	2,5		2	0,01	2	RD . X0501M0
	M5468-012-T09-03-02.5	2,5	12	T09	20	2,5		3	0,01	3	
	M5468-016-T14-04-02.5	2,5	16	T14	25	2,5		4	0,03	4	
	M5468-020-T18-05-02.5	2,5	20	T18	30	2,5		5	0,06	5	
Cylindrical, modular 	M5468-010-TC06-02-02.5	2,5	10	M6	20	2,5		2	0,01	2	RD . X0501M0
	M5468-012-TC06-03-02.5	2,5	12	M6	20	2,5		3	0,01	3	
	M5468-016-TC08-04-02.5	2,5	16	M8	25	2,5		4	0,03	4	
	M5468-020-TC10-05-02.5	2,5	20	M10	30	2,5		5	0,06	5	
Shank DIN 1835 B 	M5468-010-W10-02-02.5	2,5	10	10	19	2,5	60	2	0,03	2	RD . X0501M0
	M5468-012-W12-03-02.5	2,5	12	12	19	2,5	65	3	0,05	3	

Bodies and assembly parts are included in the scope of delivery


Assembly parts

D _a [mm]		10–20
	Clamping screw for indexable insert Tightening torque	FS1358 (Torx 6) 0,4 Nm

Accessories

D _a [mm]		10–20
	Torque screwdriver, analogue Tightening torque	FS2002 0,4–1,2 Nm
	Interchangeable blade	FS2005 (Torx 6)
	Screwdriver	FS1063 (Torx 6)


Indexable inserts


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


HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement


Very good


Good


Moderate

●● Primary application

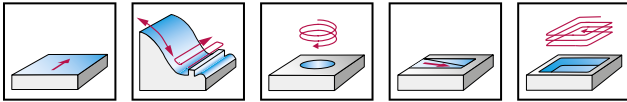
● Other application

Button insert milling cutters

M5468

RD . X07T1M0

Xtra-tec® XT




	P	M	K	N	S	H	O
M5468	●	●	●	●	●	●	●



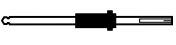
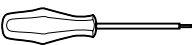
Tool	Designation	R mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	l ₁ mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5468-015-T14-03-03.5	3,5	15	T14	25	3,5		3	0,03	3	RD . X07T1M0
	M5468-020-T18-04-03.5	3,5	20	T18	30	3,5		4	0,05	4	
	M5468-025-T22-05-03.5	3,5	25	T22	35	3,5		5	0,10	5	
	M5468-030-T28-06-03.5	3,5	30	T28	40	3,5		6	0,18	6	
Cylindrical, modular 	M5468-015-TC08-03-03.5	3,5	15	M8	25	3,5		3	0,03	3	RD . X07T1M0
	M5468-020-TC10-04-03.5	3,5	20	M10	30	3,5		4	0,05	4	
	M5468-025-TC12-05-03.5	3,5	25	M12	35	3,5		5	0,09	5	
	M5468-030-TC16-06-03.5	3,5	30	M16	40	3,5		6	0,17	6	
Shank DIN 1835 B 	M5468-015-W16-03-03.5	3,5	15	16	51	3,5	100	3	0,12	3	RD . X07T1M0

Bodies and assembly parts are included in the scope of delivery


Assembly parts

D _a [mm]		15–30
	Clamping screw for indexable insert Tightening torque	FS1455 (Torx 8IP) 1,2 Nm

Accessories

D _a [mm]		15–30
	Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2012 (Torx 8IP)
	Screwdriver	FS1483 (Torx 8IP)

Indexable inserts

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

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

• Other application

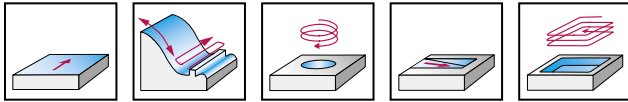
Button insert milling cutters

M5468

RO . X0803M04
Xtra-tec® XT



- With indexing facets
- Four cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●	●	●	●	●	●	●

Tool	Designation	R mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	l ₁ mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5468-016-T14-02-04	4	16	T14	25	4		2	0,03	2	RO . X0803M04
	M5468-025-T22-03-04	4	25	T22	35	4		3	0,09	3	
	M5468-032-T28-05-04	4	32	T28	40	4		5	0,18	5	
Cylindrical, modular 	M5468-016-TC08-02-04	4	16	M8	25	4		2	0,03	2	RO . X0803M04
	M5468-025-TC12-03-04	4	25	M12	35	4		3	0,09	3	
	M5468-032-TC16-05-04	4	32	M16	40	4		5	0,17	5	
Shank DIN 1835 B 	M5468-016-W16-02-04	4	16	16	51	4	100	2	0,13	2	RO . X0803M04
	M5468-025-W25-03-04	4	25	25	93	4	150	3	0,45	3	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _a [mm]		16	25–32
	Clamping screw for indexable insert Tightening torque	FS1456 (Torx 9IP) 2,0 Nm	FS2078 (Torx 9IP) 1,5 Nm

Accessories

D _a [mm]		16–32
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2013 (Torx 9IP)
	Screwdriver	FS1484 (Torx 9IP)

Indexable inserts

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

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

Very good

Good

Moderate

•• Primary application

• Other application

Button insert milling cutters

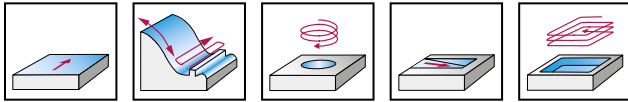
M5468

RO . X10T3M08

Xtra-tec® XT



- With indexing facets
- Eight cutting edges per indexable insert




M5468	P	M	K	N	S	H	O
	●	●	●	●	●	●	●



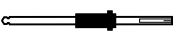
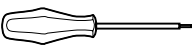
Tool	Designation	R mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	l ₁ mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5468-020-T18-02-05	5	20	T18	30	5		2	0,05	2	RO . X10T3M08
	M5468-025-T22-03-05	5	25	T22	35	5		3	0,09	3	
	M5468-030-T28-04-05	5	30	T28	40	5		4	0,16	4	
	M5468-032-T28-04-05	5	32	T28	40	5		4	0,17	4	
	M5468-035-T28-05-05	5	35	T28	40	5		5	0,19	5	
	M5468-040-T36-05-05	5	40	T36	40	5		5	0,31	5	
Cylindrical, modular 	M5468-020-TC10-02-05	5	20	M10	30	5		2	0,05	2	RO . X10T3M08
	M5468-025-TC12-03-05	5	25	M12	35	5		3	0,08	3	
	M5468-030-TC16-04-05	5	30	M16	40	5		4	0,15	4	
	M5468-032-TC16-04-05	5	32	M16	40	5		4	0,16	4	
	M5468-035-TC16-05-05	5	35	M16	40	5		5	0,18	5	
	M5468-040-TC16-05-05	5	40	M16	40	5		5	0,19	5	
Shank DIN 1835 B 	M5468-020-W20-02-05	5	20	20	59	5	110	2	0,21	2	RO . X10T3M08
	M5468-032-W32-04-05	5	32	32	114	5	175	4	0,89	4	
Parallel bore DIN 138 transverse keyway 	M5468-040-B16-05-05	5	40	16	40	5		5	0,14	5	RO . X10T3M08
	M5468-050-B22-06-05	5	50	22	50	5		6	0,33	6	
	M5468-052-B22-06-05	5	52	22	50	5		6	0,38	6	

Bodies and assembly parts are included in the scope of delivery


Assembly parts

D _a [mm]		20–52
	Clamping screw for indexable insert Tightening torque	FS2181 (Torx 15IP) 3,0 Nm

Accessories

D _a [mm]		20–52
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)

Indexable inserts

Designation	d mm	P				M			K			N	S		H	
		HC				HC			HC			HW	HC		HC	
		WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WSM35S	WSM45X	WSP45G
 ROGX10T3M08-G88	10											☺				
ROHX10T3M08-A57	10	☺	☺	☺				☺	☺	☺	☺					☺
ROMX10T3M08-D57	10	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺		☺		☺	
ROMX10T3M08-F67	10				☺	☺	☺	☺				☺		☺		

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●●
Primary application

●
Other application

Button insert milling cutters

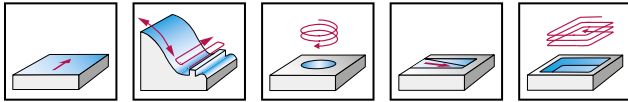
M5468

RO . X1204M08

Xtra-tec® XT



- With indexing facets
- Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●	●	●	●	●	●	●

Tool	Designation	R mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	l ₁ mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5468-024-T22-02-06	6	24	T22	35	6		2	0,08	2	RO . X1204M08
	M5468-032-T28-03-06	6	32	T28	40	6		3	0,17	3	
	M5468-040-T36-05-06	6	40	T36	40	6		5	0,30	5	
	M5468-042-T36-05-06	6	42	T36	40	6		5	0,31	5	
Cylindrical, modular 	M5468-024-TC12-02-06	6	24	M12	35	6		2	0,07	2	RO . X1204M08
	M5468-032-TC16-03-06	6	32	M16	40	6		3	0,16	3	
	M5468-040-TC16-05-06	6	40	M16	40	6		5	0,18	5	
	M5468-042-TC16-05-06	6	42	M16	40	6		5	0,19	5	
Shank DIN 1835 B 	M5468-024-W25-02-06	6	24	25	73	6	130	2	0,36	2	RO . X1204M08
Parallel bore DIN 138 transverse keyway 	M5468-040-B16-04-06	6	40	16	40	6		4	0,13	4	RO . X1204M08
	M5468-040-B16-05-06	6	40	16	40	6		5	0,13	5	
	M5468-042-B16-05-06	6	42	16	40	6		5	0,15	5	
	M5468-050-B22-05-06	6	50	22	50	6		5	0,31	5	
	M5468-050-B22-06-06	6	50	22	50	6		6	0,31	6	
	M5468-052-B22-05-06	6	52	22	50	6		5	0,35	5	
	M5468-052-B22-06-06	6	52	22	50	6		6	0,35	6	
	M5468-063-B22-06-06	6	63	22	50	6		6	0,52	6	
	M5468-063-B22-07-06	6	63	22	50	6		7	0,51	7	
	M5468-066-B27-06-06	6	66	27	50	6		6	0,63	6	
	M5468-066-B27-07-06	6	66	27	50	6		7	0,62	7	
	M5468-080-B27-07-06	6	80	27	50	6		7	0,87	7	
	M5468-080-B27-08-06	6	80	27	50	6		8	0,87	8	
	M5468-100-B32-08-06	6	100	32	50	6		8	1,53	8	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _a [mm]		24–40	32–100
	Clamping screw for indexable insert Tightening torque	FS2080 (Torx 15IP) 2,5 Nm	FS1453 (Torx 15IP) 3,5 Nm

Accessories

D _a [mm]		24–100
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)

Indexable inserts

Designation	d mm	P				M			K			N	S		H	
		HC				HC			HC			HW	HC		HC	
		WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WSM35S	WSM45X	WSP45G
	ROGX1204M08-G88											☉				
	ROHX1204M08-A57	☉	☉	☉				☉	☉	☉	☉					☉
	ROMX1204M08-D57	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉		☉		☉	
	ROMX1204M08-F67				☉	☉	☉	☉				☉		☉	☉	

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

• Other application

Button insert milling cutters

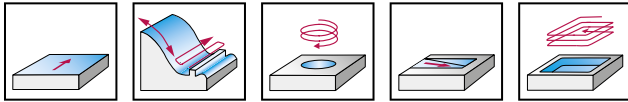
M5468

RO . X1605M08

Xtra-tec® XT



- With indexing facets
- Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●	●	●	●	●	●	●

Tool	Designation	R mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	l ₁ mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5468-032-T28-02-08	8	32	T28	40	8		2	0,15	2	RO . X1605M08
Cylindrical, modular 	M5468-032-TC16-02-08	8	32	M16	40	8		2	0,14	2	RO . X1605M08
Shank DIN 1835 B 	M5468-032-W32-02-08	8	32	32	99	8	160	2	0,74	2	RO . X1605M08
Parallel bore DIN 138 transverse keyway 	M5468-052-B22-04-08	8	52	22	50	8		4	0,32	4	RO . X1605M08
	M5468-052-B22-05-08	8	52	22	50	8		5	0,31	5	
	M5468-063-B22-05-08	8	63	22	50	8		5	0,49	5	
	M5468-063-B22-06-08	8	63	22	50	8		6	0,49	6	
	M5468-066-B27-05-08	8	66	27	50	8		5	0,58	5	
	M5468-066-B27-06-08	8	66	27	50	8		6	0,58	6	
	M5468-080-B27-06-08	8	80	27	50	8		6	0,82	6	
	M5468-080-B27-07-08	8	80	27	50	8		7	0,82	7	
	M5468-100-B32-07-08	8	100	32	50	8		7	1,43	7	
	M5468-125-B40-08-08	8	125	40	63	8		8	2,79	8	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _a [mm]		32	52–125
	Clamping screw for indexable insert Tightening torque	FS2281 (Torx 20IP) 5,0 Nm	FS1495 (Torx 20IP) 5,0 Nm

Accessories

D _a [mm]		32–125
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2015 (Torx 20IP)
	Screwdriver	FS1486 (Torx 20IP)

Indexable inserts

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

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

●● Primary application

● Other application

Button insert milling cutters

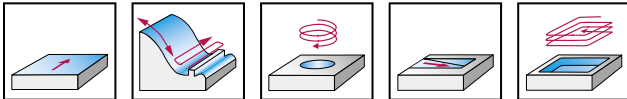
M5468

RO . X2006M08

Xtra-tec® XT



- With indexing facets
- Eight cutting edges per indexable insert




	P	M	K	N	S	H	O
M5468	●	●	●	●	●	●	●



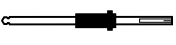
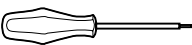
Tool	Designation	R mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	l ₁ mm	Z	kg	No. of indexable inserts	Type
ScrewFit	M5468-040-T36-02-10	10	40	T36	40	10		2	0,25	2	RO . X2006M08
Cylindrical, modular	M5468-040-TC16-02-10	10	40	M16	40	10		2	0,15	2	RO . X2006M08
Shank DIN 1835 B	M5468-040-W40-02-10	10	40	40	119	10	190	2	1,44	2	RO . X2006M08
Parallel bore DIN 138 transverse keyway	M5468-063-B22-04-10	10	63	22	50	10		4	0,43	4	RO . X2006M08
	M5468-080-B27-05-10	10	80	27	50	10		5	0,74	5	
	M5468-100-B32-06-10	10	100	32	50	10		6	1,41	6	
	M5468-125-B40-07-10	10	125	40	63	10		7	2,86	7	

Bodies and assembly parts are included in the scope of delivery


Assembly parts

D _a [mm]		40–125
	Clamping screw for indexable insert Tightening torque	FS2614 5,0 Nm

Accessories

D _a [mm]		40–125
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2015 (Torx 20IP)
	Screwdriver	FS1486 (Torx 20IP)

Indexable inserts

Designation	d mm	P			M		K			N	S	H		
		HC			HC		HC			HW	HC	HC		
		WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSP45G	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WSM35S	WSP45G
 ROGX2006M08-G88	20										☉			
ROHX2006M08-A57	20	☉	☉	☉			☉	☉	☉	☉				☉
ROHX2006M08-D57	20			☉						☉				
ROMX2006M08-D57	20	☉		☉		☉	☉	☉	☉				☉	

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

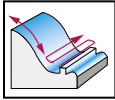
• Other application

Copy milling cutters

F2339



- With anti-twist protection
- Two cutting edges per indexable insert




	P	M	K	N	S	H	O
F2339	●	●	●	●	●	●	●

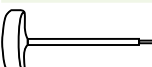
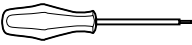
Tool	Designation	D _c mm	R mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Cylindrical, modular 	F2339.TC08.016.Z02.11	16	8	M8	25		11	2	0,0	2	XD . T1303080R
	F2339.TC10.020.Z02.15	20	10	M10	30		15	2	0,0	2	XD . T16T3100R
	F2339.TC12.025.Z02.20	25	12,5	M12	35		20	2	0,1	2	XD . T2004125R
	F2339.TC16.030.Z02.24	30	15	M16	40		24	2	0,1	2	XD . T2405150R
	F2339.TC16.032.Z02.25	32	16	M16	40		25	2	0,1	2	XD . T2506160R
ScrewFit 	F2339.T14.016.Z02.11	16	8	T14	25		11	2	0,0	2	XD . T1303080R
	F2339.T18.020.Z02.15	20	10	T18	30		15	2	0,1	2	XD . T16T3100R
	F2339.T22.025.Z02.20	25	12,5	T22	35		20	2	0,1	2	XD . T2004125R
	F2339.T28.030.Z02.24	30	15	T28	40		24	2	0,2	2	XD . T2405150R
	F2339.T28.032.Z02.25	32	16	T28	40		25	2	0,2	2	XD . T2506160R
	F2339.T36.040.Z02.31	40	20	T36	50		31	2	0,3	2	XD . T3207200R
Shank DIN 1835 B 	F2339.W16.016.Z02.11	16	8	16	25	74	11	2	0,2	2	XD . T1303080R
	F2339.W20.020.Z02.15	20	10	20	35	90	15	2	0,2	2	XD . T16T3100R
	F2339.W25.025.Z02.20	25	12,5	25	40	105	20	2	0,3	2	XD . T2004125R
	F2339.W32.030.Z02.24	30	15	32	50	125	24	2	0,6	2	XD . T2405150R
	F2339.W32.032.Z02.25	32	16	32	50	125	25	2	0,6	2	XD . T2506160R
	F2339.W40.040.Z02.31	40	20	40	65	150	31	2	1,2	2	XD . T3207200R

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	16	20	25	30–32	40	50
 Clamping screw for indexable insert Tightening torque	FS1454 (Torx 8IP) 1,2 Nm	FS1013 (Torx 8) 1,0 Nm	FS378 (Torx 15) 3,0 Nm	FS1165 (Torx 20) 6,0 Nm	FS1164 (Torx 25) 10,0 Nm	FS1152 (Torx 30) 10,0 Nm

Accessories

D _c [mm]	16	20	25	30–32	40	50
 Handle key				FS1173 (Torx 20)	FS1174 (Torx 25)	FS1175 (Torx 30)
Handle key for indexable insert				FS1173 (Torx 20)		
 Screwdriver for indexable insert	FS1483 (Torx 8IP)	FS230 (Torx 8)	FS229 (Torx 15)			

Indexable inserts

Designation	R mm	P		M		K		S	
		HC		HC		HC		HC	
		WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G
XDGT1303080R-D57	8								
XDMT1303080R-F55	8	☉	☉	☉	☉	☉	☉	☉	☉
XDGT16T3100R-D57	10								
XDMT16T3100R-F55	10	☉	☉	☉	☉	☉	☉	☉	☉
XDGT2004125R-D57	12,5								
XDMT2004125R-F55	12,5	☉	☉	☉	☉	☉	☉	☉	☉
XDGT2405150R-D57	15								
XDMT2405150R-F55	15	☉	☉	☉	☉	☉	☉	☉	☉
XDGT2506160R-D57	16								
XDMT2506160R-F55	16	☉	☉	☉	☉	☉	☉	☉	☉
XDGT3207200R-D57	20								
XDMT3207200R-F55	20	☉	☉	☉	☉	☉	☉	☉	☉
XDGT4009250R-D57	25								
XDMT4009250R-F55	25	☉	☉	☉	☉	☉	☉	☉	☉

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

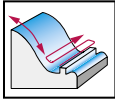
●● Primary application

● Other application

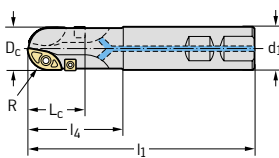
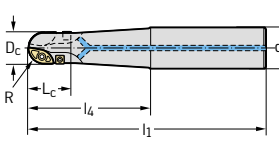
Copy milling cutters F2339



- With anti-twist protection
- Two or four cutting edges per indexable insert, with peripheral cutting edges



	P	M	K	N	S	H	O
F2339	●	●	●	●	●	●	●

Tool	Designation	D _c mm	R mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Shank DIN 1835 B 	F2339.W20.016.Z02.24	16	8	20	40	91	24	2	0,2	2 2	XD . T1303080R SPM . 060304
	F2339.W20.020.Z02.28	20	10	20	50	110	28	2	0,2	2 2	XD . T16T3100R SPM . 060304
	F2339.W25.025.Z02.32	25	12,5	25	55	130	32	2	0,4	2 2	XD . T2004125R SPM . 060304
	F2339.W32.030.Z02.42	30	15	32	70	160	42	2	0,8	2 2	XD . T2405150R SPM . 09T308
	F2339.W32.032.Z02.43	32	16	32	70	160	43	2	0,8	2 2	XD . T2506160R SPM . 09T308
	F2339.W40.040.Z02.57	40	20	40	90	190	57	2	1,4	2 2	XD . T3207200R SPM . 120408
Cylindrical shank 	F2339.Z25.020.Z02.28	20	10	25	75	150	28	2	0,5	2 2	XD . T16T3100R SPM . 060304

At full depth of cut L_c, a feed of Z = 1 should be expected.
For tools with a cylindrical shank, the max. projection length is 5 x D_c
Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	16	20	25	30-32	40	
	Clamping screw for radius insert	FS1454 (Torx 8IP)	FS1013 (Torx 8)	FS378 (Torx 15)	FS1165 (Torx 20)	FS1164 (Torx 25)
	Tightening torque	1,2 Nm	1,0 Nm	3,0 Nm	6,0 Nm	10,0 Nm
	Clamping screw for square insert	FS1454 (Torx 8IP)	FS923 (Torx 8)	FS923 (Torx 8)	FS359 (Torx 15)	FS1030 (Torx 20)
	Tightening torque	1,2 Nm	1,2 Nm	1,2 Nm	2,5 Nm	5,0 Nm

Accessories

D _c [mm]	16	20	25	30-32	40
	Handle key for radius insert			FS1173 (Torx 20)	FS1174 (Torx 25)
	Screwdriver for radius insert	FS1483 (Torx 8IP)	FS230 (Torx 8)	FS229 (Torx 15)	
	Screwdriver for square insert	FS1483 (Torx 8IP)	FS230 (Torx 8)	FS229 (Torx 15)	FS228 (Torx 20)

Indexable inserts

Designation	r mm	R mm	P		M			K			S						
			HC		HC			HC			HC						
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKP25S	WKP35G	WKP35S	WSM35S	WSP45S	WSP45G
	SPMT060304-D51	0,4	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMT060304-F55	0,4	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMW060304-A57	0,4	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMW060304T-A27	0,4	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMT09T308-D51	0,8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMT09T308-F55	0,8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMW09T308-A57	0,8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMW09T308T-A27	0,8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMT120408-D51	0,8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMT120408-F55	0,8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMW120408-A57	0,8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	SPMW120408T-A27	0,8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDGT1303080R-D57				☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDMT1303080R-F55		8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDGT16T3100R-D57		10			☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDMT16T3100R-F55		10	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDGT2004125R-D57		12,5			☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDMT2004125R-F55		12,5	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDGT2405150R-D57		15			☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDMT2405150R-F55		15	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDGT2506160R-D57		16			☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDMT2506160R-F55		16	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDGT3207200R-D57		20			☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	XDMT3207200R-F55		20	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●● Primary application

● Other application

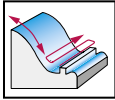
Profile milling cutters

M5460

Xtra-tec® XT



- For HSC machining
- Linear measurements relative to metric cutting edge diameter



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

Tool	Designation	D _c mm	R mm	d ₁ mm	l ₃ mm	l ₄ mm	l ₁ mm	Z	kg	No. of indexable inserts	Type
Cylindrical, modular 	M5460-008-TC06-02-04	8	4	9,7		20		2	0,01	1	P320 . -D08
	M5460-010-TC06-02-05	10	5	9,7		25		2	0,01	1	P320 . -D10
	M5460-012-TC06-02-06	12	6	9,7		25		2	0,01	1	P320 . -D12
	M5460-016-TC08-02-08	16	8	14,5		25		2	0,02	1	P320 . -D16
	M5460-020-TC10-02-10	20	10	18,5		30		2	0,05	1	P320 . -D20
	M5460-025-TC12-02-12	25	12,5	22		35		2	0,08	1	P320 . -D25
	M5460-030-TC16-02-15	30	15	28		40		2	0,14	1	P320 . -D30
	M5460-032-TC16-02-16	32	16	28		40		2	0,14	1	P320 . -D32
Cylindrical shank 	M5460-008-A10-02-04	8	4	10		25	110	2	0,05	1	P320 . -D08
	M5460-010-A12-02-05	10	5	12		30	130	2	0,09	1	P320 . -D10
	M5460-012-A12-02-06	12	6	12		32	130	2	0,09	1	P320 . -D12
	M5460-016-A16-02-08	16	8	16		36	140	2	0,18	1	P320 . -D16
	M5460-020-A20-02-10	20	10	20		45	160	2	0,32	1	P320 . -D20
	M5460-025-A25-02-12	25	12,5	25		45	160	2	0,49	1	P320 . -D25
	M5460-030-A32-02-15	30	15	32		56	175	2	0,89	1	P320 . -D30
	M5460-032-A32-02-16	32	16	32		56	175	2	0,90	1	P320 . -D32
Shank DIN 1835 B 	M5460-008-W12-02-04	8	4	12	11	50	140	2	0,10	1	P320 . -D08
	M5460-010-W12-02-05	10	5	12	15	35	150	2	0,11	1	P320 . -D10
	M5460-012-W16-02-06	12	6	16	20	58,5	160	2	0,20	1	P320 . -D12
	M5460-016-W20-02-08	16	8	20	26	65	175	2	0,34	1	P320 . -D16
	M5460-020-W25-02-10	20	10	25	18	76	190	2	0,58	1	P320 . -D20
	M5460-025-W32-02-12	25	12,5	32	31	98	210	2	1,01	1	P320 . -D25
Cylindrical shank	M5460-008-A08-02-04-C	8	4	8		25	70	2	0,02	1	P320 . -D08
	M5460-008-A08-02-04-C-L	8	4	8		55	100	2	0,03	1	
	M5460-008-A08-02-04-C-XL	8	4	8		105	150	2	0,05	1	
	M5460-010-A10-02-05-C	10	5	10		30	80	2	0,04	1	P320 . -D10
	M5460-010-A10-02-05-C-L	10	5	10		70	120	2	0,06	1	
	M5460-010-A10-02-05-C-XL	10	5	10		100	150	2	0,07	1	
	M5460-012-A12-02-06-C	12	6	12		32	90	2	0,07	1	P320 . -D12
	M5460-012-A12-02-06-C-L	12	6	12		87	145	2	0,10	1	
	M5460-012-A12-02-06-C-XL	12	6	12		142	200	2	0,14	1	
	M5460-016-A16-02-08-C	16	8	16		43	110	2	0,14	1	P320 . -D16
	M5460-016-A16-02-08-C-L	16	8	16		73	140	2	0,18	1	
	M5460-016-A16-02-08-C-XL	16	8	16		128	195	2	0,24	1	
	M5460-020-A20-02-10-C	20	10	20		47	130	2	0,27	1	P320 . -D20
	M5460-020-A20-02-10-C-L	20	10	20		107	190	2	0,39	1	
	M5460-025-A25-02-12-C	25	12,5	25		77	160	2	0,90	1	P320 . -D25
	M5460-025-A25-02-12-C-L	25	12,5	25		167	250	2	1,43	1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	8	10	12	16	20	25	30-32
	FS397 (Torx 8)	FS390 (Torx 15)	FS391 (Torx 20)	FS392 (Torx 20)	FS393 (Torx 20)	FS394 (Torx 20)	FS395 (Torx 30)
Tightening torque	1,0 Nm	4,0 Nm	5,0 Nm	5,0 Nm	5,0 Nm	5,0 Nm	6,0 Nm

Accessories

D _c [mm]	8	10	10-20	12-25	30-32
 Torque T-handle Tightening torque					FS2041 4,5-14 Nm
 Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm	FS2003 1,5-5,0 Nm	FS2004 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	
 Torque screwdriver, digital Tightening torque	FS2248 1,0-6,0 Nm	FS2248 1,0-6,0 Nm		FS2248 1,0-6,0 Nm	FS2248 1,0-6,0 Nm
 Interchangeable blade	FS2007 (Torx 8)	FS2009 (Torx 15)		FS2010 (Torx 20)	FS2046 (Torx 30)
 Handle key					FS1175 (Torx 30)
 Screwdriver	FS230 (Torx 8)	FS229 (Torx 15)		FS228 (Torx 20)	

Indexable inserts

Designation	D _c ^{-0,03} mm	P HC					M HC			K HC			S HC			H HC		
		WKP25S	WKP25	WKP35S	WKP35	WSP46	WSM35S	WSM36	WSP46	WKP25	WKP25S	WKP35S	WKP35	WSM35S	WSM36	WSP46	WHH15	WHH15X
	P3201-D08	8															☺	☺
	P3201-D10	10	☺	☺	☺				☺	☺	☺	☺					☺	☺
	P3201-D12	12	☺	☺	☺				☺	☺	☺	☺					☺	☺
	P3201-D16	16	☺	☺	☺				☺	☺	☺	☺					☺	☺
	P3201-D20	20	☺	☺	☺				☺	☺	☺	☺					☺	☺
	P3201-D25	25	☺	☺	☺				☺	☺	☺	☺					☺	☺
	P3201-D30	30															☺	☺
	P3201-D32	32															☺	☺
	P3204-D08	8				☺	☺	☺						☺	☺	☺	☺	☺
	P3204-D10	10				☺	☺	☺						☺	☺	☺	☺	☺
	P3204-D12	12				☺	☺	☺						☺	☺	☺	☺	☺
	P3204-D16	16				☺	☺	☺						☺	☺	☺	☺	☺
	P3204-D20	20				☺	☺	☺						☺	☺	☺	☺	☺
	P3204-D25	25				☺	☺	☺						☺	☺	☺	☺	☺
	P3204-D30	30				☺	☺	☺						☺	☺	☺	☺	☺
	P3204-D32	32				☺	☺	☺						☺	☺	☺	☺	☺

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

●● Primary application

● Other application

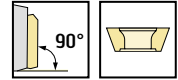
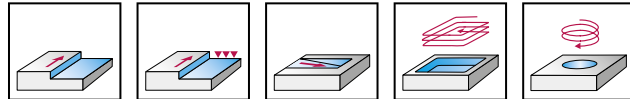
Shoulder milling cutters

M5130

AC . T0602 .. R
Xtra-tec® XT



– Two cutting edges per indexable insert



M5130	P	M	K	N	S	H	O
	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5130-010-T09-02-05	10	T09		20		5	2	0,02	2	AC . T0602 .. R
	M5130-012-T09-03-05	12	T09		20		5	3	0,02	3	
	M5130-016-T14-03-05	16	T14		25		5	3	0,04	3	
	M5130-016-T14-04-05	16	T14		25		5	4	0,03	4	
	M5130-020-T18-04-05	20	T18		25		5	4	0,05	4	
	M5130-020-T18-05-05	20	T18		25		5	5	0,05	5	
	M5130-025-T22-05-05	25	T22		30		5	5	0,1	5	
	M5130-025-T22-07-05	25	T22		30		5	7	0,1	7	
	M5130-032-T28-06-05	32	T28		35		5	6	0,19	6	
	M5130-032-T28-08-05	32	T28		35		5	8	0,20	8	
Cylindrical, modular 	M5130-010-TC06-02-05	10	M6		20		5	2	0,01	2	AC . T0602 .. R
	M5130-012-TC06-03-05	12	M6		20		5	3	0,01	3	
	M5130-016-TC08-03-05	16	M8		25		5	3	0,03	3	
	M5130-016-TC08-04-05	16	M8		25		5	4	0,03	4	
	M5130-020-TC10-04-05	20	M10		25		5	4	0,05	4	
	M5130-020-TC10-05-05	20	M10		25		5	5	0,05	5	
	M5130-025-TC12-05-05	25	M12		30		5	5	0,10	5	
	M5130-025-TC12-07-05	25	M12		30		5	7	0,1	7	
	M5130-032-TC16-06-05	32	M16		35		5	6	0,19	6	
	M5130-032-TC16-08-05	32	M16		35		5	8	0,20	8	
Shank DIN 1835 B 	M5130-010-W10-02-05	10		10	16	60	5	2	0,03	2	AC . T0602 .. R
	M5130-010-W16-02-05	10		16	30	80	5	2	0,09	2	
	M5130-012-W12-03-05	12		12	19	65	5	3	0,05	3	
	M5130-012-W16-03-05	12		16	30	80	5	3	0,09	3	
	M5130-016-W16-03-05	16		16	21	70	5	3	0,09	3	
	M5130-016-W16-04-05	16		16	21	70	5	4	0,11	4	
	M5130-020-W20-04-05	20		20	24	75	5	4	0,16	4	
	M5130-020-W20-05-05	20		20	24	75	5	5	0,16	5	
	M5130-025-W25-05-05	25		25	26	85	5	5	0,29	5	
	M5130-025-W25-07-05	25		25	26	85	5	7	0,29	7	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	10–40
	Clamping screw for indexable insert Tightening torque	FS2560 (Torx 6IP) 0,6 Nm

Accessories

	D _c [mm]	10–40
	Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm
	Interchangeable blade	SD2001-6IP
	Screwdriver	SD1001-6IP

Indexable inserts

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

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

•• Primary application

• Other application

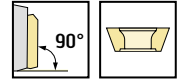
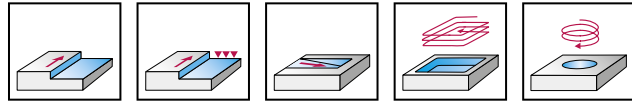
Shoulder milling cutters

M5130

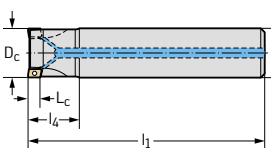
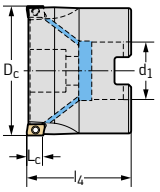
AC . T0602 .. R
Xtra-tec® XT



– Two cutting edges per indexable insert



	P	M	K	N	S	H	O
M5130	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Cylindrical shank 	M5130-010-A10-02-05	10		10	16	60	5	2	0,03	2	AC . T0602 .. R
	M5130-010-A16-02-05	10		16	30	80	5	2	0,10	2	
	M5130-012-A12-03-05	12		12	19	70	5	3	0,05	3	
	M5130-012-A16-03-05	12		16	30	80	5	3	0,09	3	
	M5130-014-A16-03-05	14		16	30	80	5	3	0,06	3	
	M5130-016-A16-03-05	16		16	21	90	5	3	0,12	3	
	M5130-016-A16-04-05	16		16	21	90	5	4	0,13	4	
	M5130-018-A16-03-05	18		16	21	90	5	3	0,13	3	
	M5130-020-A20-04-05	20		20	24	110	5	4	0,24	4	
	M5130-020-A20-05-05	20		20	24	110	5	5	0,24	5	
	M5130-022-A20-04-05	22		20	24	110	5	4	0,25	4	
	M5130-025-A25-05-05	25		25	26	120	5	5	0,42	5	
M5130-025-A25-07-05	25		25	26	120	5	7	0,42	7		
Parallel bore DIN 138 transverse keyway 	M5130-032-B16-06-05	32	16		40		5	6	0,14	6	AC . T0602 .. R
	M5130-032-B16-08-05	32	16		40		5	8	0,14	8	
	M5130-040-B16-07-05	40	16		40		5	7	0,27	7	
	M5130-040-B16-10-05	40	16		40		5	10	0,27	10	
	M5130-050-B22-09-05	50	22		40		5	9	0,42	9	
	M5130-050-B22-12-05	50	22		40		5	12	0,42	12	
	M5130-063-B22-11-05	63	22		40		5	11	0,54	11	
	M5130-063-B22-14-05	63	22		40		5	14	0,54	14	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	10-63
	Clamping screw for indexable insert Tightening torque	FS2560 (Torx 6IP) 0,6 Nm

Accessories

	D _c [mm]	10-63
	Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm
	Interchangeable blade	SD2001-6IP
	Screwdriver	SD1001-6IP

Indexable inserts

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

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

•• Primary application

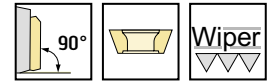
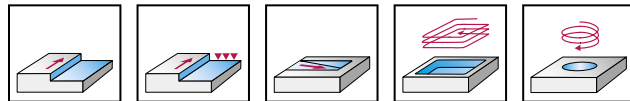
• Other application

Shoulder milling cutters M5130

BC .. 0903 .. R
Xtra-tec® XT



– Two cutting edges per indexable insert



M5130	P	M	K	N	S	H	O
	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
	M5130-016-T14-02-09	16	T14		25		9	2	0,03	2	BC .. 0903 .. R
	M5130-020-T18-02-09	20	T18		30		9	2	0,05	2	
	M5130-020-T18-03-09	20	T18		30		9	3	0,05	3	
	M5130-025-T22-03-09	25	T22		35		9	3	0,09	3	
	M5130-025-T22-04-09	25	T22		35		9	4	0,09	4	
	M5130-032-T28-04-09	32	T28		40		9	4	0,18	4	
	M5130-016-TC08-02-09	16	M8		25		9	2	0,03	2	BC .. 0903 .. R
	M5130-020-TC10-02-09	20	M10		30		9	2	0,05	2	
	M5130-020-TC10-03-09	20	M10		30		9	3	0,05	3	
	M5130-025-TC12-03-09	25	M12		35		9	3	0,09	3	
	M5130-025-TC12-04-09	25	M12		35		9	4	0,09	4	
	M5130-032-TC16-04-09	32	M16		40		9	4	0,17	4	
	M5130-016-W16-02-09	16		16	41	90	9	2	0,12	2	BC .. 0903 .. R
	M5130-020-W20-03-09	20		20	39	90	9	3	0,18	3	
	M5130-025-W25-04-09	25		25	43	100	9	4	0,31	4	
	M5130-032-W32-05-09	32		32	49	110	9	5	0,57	5	
	M5130-016-A16-02-09	16		16	41	180	9	2	0,25	2	BC .. 0903 .. R
	M5130-018-A16-02-09	18		16	41	180	9	2	0,26	2	
	M5130-020-A20-02-09	20		20	39	200	9	2	0,44	2	
	M5130-020-A20-03-09	20		20	39	200	9	3	0,44	3	
	M5130-022-A20-03-09	22		20	39	200	9	3	0,44	3	
	M5130-025-A25-03-09	25		25	43	200	9	3	0,68	3	
	M5130-025-A25-04-09	25		25	43	200	9	4	0,68	4	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	16-32
	Clamping screw for indexable insert Tightening torque	FS2576 (Torx 8IP) 1,2 Nm

Accessories

	D _c [mm]	16-32
	Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0-6,0 Nm
	Interchangeable blade	FS2012 (Torx 8IP)
	Screwdriver	FS1483 (Torx 8IP)

Indexable inserts

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

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

Very good

Good

Moderate

•• Primary application

• Other application

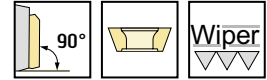
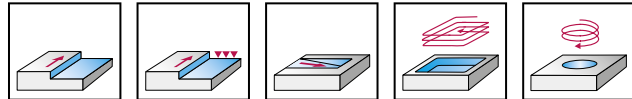
Shoulder milling cutters

M5130

BC .. 0903 .. R
Xtra-tec® XT



– Two cutting edges per indexable insert



	P	M	K	N	S	H	O
M5130	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M5130-032-B16-03-09	32	16		40		9	3	0,12	3	BC .. 0903 .. R
	M5130-032-B16-06-09	32	16		40		9	6	0,12	6	
	M5130-040-B16-04-09	40	16		40		9	4	0,19	4	
	M5130-040-B16-07-09	40	16		40		9	7	0,21	7	
	M5130-050-B22-05-09	50	22		40		9	5	0,32	5	
	M5130-050-B22-08-09	50	22		40		9	8	0,34	8	
	M5130-063-B22-07-09	63	22		40		9	7	0,50	7	
	M5130-063-B22-11-09	63	22		40		9	11	0,51	11	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	32-63
	Clamping screw for indexable insert Tightening torque	FS2576 (Torx 8IP) 1,2 Nm

Accessories

	D _c [mm]	32-63
	Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0-6,0 Nm
	Interchangeable blade	FS2012 (Torx 8IP)
	Screwdriver	FS1483 (Torx 8IP)

Indexable inserts

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

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

••
Primary application

•
Other application

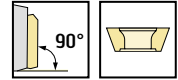
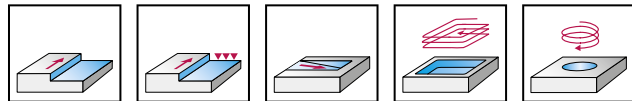
Shoulder milling cutters

M5130

BC . T1204 .. R
Xtra-tec® XT



– Two cutting edges per indexable insert



M5130	P	M	K	N	S	H	O
	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5130-025-T22-03-12	25	T22		35		12	3	0,09	3	BC . T1204 .. R
	M5130-032-T28-03-12	32	T28		40		12	3	0,17	3	
	M5130-032-T28-04-12	32	T28		40		12	4	0,18	4	
	M5130-040-T36-03-12	40	T36		40		12	3	0,31	3	
	M5130-040-T36-06-12	40	T36		40		12	6	0,32	6	
Cylindrical, modular 	M5130-025-TC12-03-12	25	M12		35		12	3	0,08	3	BC . T1204 .. R
	M5130-032-TC16-03-12	32	M16		40		12	3	0,16	3	
	M5130-032-TC16-04-12	32	M16		40		12	4	0,17	4	
	M5130-040-TC16-03-12	40	M16		40		12	3	0,21	3	
	M5130-040-TC16-06-12	40	M16		40		12	6	0,22	6	
Shank DIN 1835 B 	M5130-025-W25-03-12	25		25	43	100	12	3	0,30	3	BC . T1204 .. R
	M5130-032-W32-03-12	32		32	49	110	12	3	0,53	3	
	M5130-032-W32-04-12	32		32	49	110	12	4	0,54	4	
	M5130-040-W32-06-12	40		32	49	110	12	6	0,65	6	
Cylindrical shank 	M5130-022-A20-02-12	22		20	38	200	12	2	0,45	2	BC . T1204 .. R
	M5130-025-A25-02-12	25		25	38	200	12	2	0,69	2	
	M5130-025-A25-03-12	25		25	38	200	12	3	0,68	3	
	M5130-032-A32-03-12	32		32	39	250	12	3	1,40	3	
	M5130-032-A32-04-12	32		32	39	250	12	4	1,42	4	
	M5130-040-A40-04-12	40		40	44	250	12	4	2,25	4	
	M5130-040-A32-05-12	40		32	44	250	12	5	1,51	5	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		22-40
	Clamping screw for indexable insert Tightening torque	FS2573 (Torx 9IP) 2 Nm

Accessories

D _c [mm]		22-40
	Torque screwdriver, analogue Tightening torque	FS2003 1,5-5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0-6,0 Nm
	Interchangeable blade	FS2013 (Torx 9IP)
	Screwdriver	FS1484 (Torx 9IP)

Indexable inserts

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

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked. HC = Coated carbide
 R (body) = r (indexable insert) - 1 mm HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●● Primary application

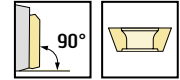
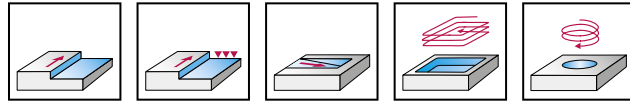
● Other application

Shoulder milling cutters M5130

BC . T1204 .. R
Xtra-tec® XT



– Two cutting edges per indexable insert



	P	M	K	N	S	H	O
M5130	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M5130-040-B16-03-12	40	16		40		12	3	0,17	3	BC . T1204 .. R
	M5130-040-B16-04-12	40	16		40		12	4	0,18	4	
	M5130-040-B16-06-12	40	16		40		12	6	0,19	6	
	M5130-050-B22-03-12	50	22		40		12	3	0,32	3	
	M5130-050-B22-04-12	50	22		40		12	4	0,29	4	
	M5130-050-B22-07-12	50	22		40		12	7	0,31	7	
	M5130-063-B22-04-12	63	22		40		12	4	0,45	4	
	M5130-063-B27-04-12	63	27		50		12	4	0,66	4	
	M5130-063-B22-05-12	63	22		40		12	5	0,47	5	
	M5130-063-B27-05-12	63	27		50		12	5	0,67	5	
	M5130-063-B22-08-12	63	22		40		12	8	0,50	8	
	M5130-063-B27-08-12	63	27		50		12	8	0,71	8	
	M5130-080-B27-05-12	80	27		50		12	5	0,91	5	
	M5130-080-B27-06-12	80	27		50		12	6	0,94	6	
	M5130-080-B27-09-12	80	27		50		12	9	1,00	9	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		40–80
	Clamping screw for indexable insert Tightening torque	FS2573 (Torx 9IP) 2 Nm

Accessories

D _c [mm]		40–80
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2013 (Torx 9IP)
	Screwdriver	FS1484 (Torx 9IP)

Indexable inserts

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

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked. HC = Coated carbide
 R (body) = r (indexable insert) - 1 mm HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●● Primary application

● Other application

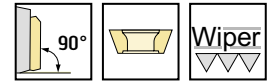
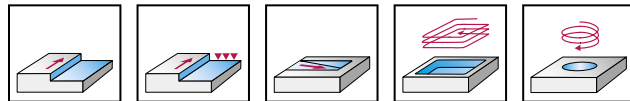
Shoulder milling cutters

M5130

BC .. 1605 .. R
Xtra-tec® XT



– Two cutting edges per indexable insert



M5130	P	M	K	N	S	H	O
	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5130-032-T28-03-15	32	T28		40		15	3	0,16	3	BC .. 1605 .. R
	M5130-040-T36-03-15	40	T36		40		15	3	0,31	3	
	M5130-040-T36-04-15	40	T36		40		15	4	0,31	4	
	M5130-050-T45-03-15	50	T45		40		15	3	0,45	3	
	M5130-050-T45-06-15	50	T45		40		15	6	0,45	6	
Cylindrical, modular 	M5130-032-TC16-03-15	32	M16		40		15	3	0,15	3	BC .. 1605 .. R
	M5130-040-TC16-03-15	40	M16		40		15	3	0,21	3	
	M5130-040-TC16-04-15	40	M16		40		15	4	0,20	4	
Shank DIN 1835 B 	M5130-025-W25-02-15	25		25	43	100	15	2	0,30	2	BC .. 1605 .. R
	M5130-032-W32-03-15	32		32	49	110	15	3	0,56	3	
Cylindrical shank 	M5130-025-A25-02-15	25		25	38	200	15	2	0,68	2	BC .. 1605 .. R
	M5130-028-A25-02-15	28		25	38	200	15	2	0,70	2	
	M5130-032-A32-03-15	32		32	39	250	15	3	1,43	3	
	M5130-035-A32-03-15	35		32	39	250	15	3	1,46	3	

Bodies and assembly parts are included in the scope of delivery

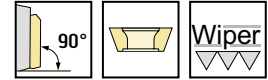
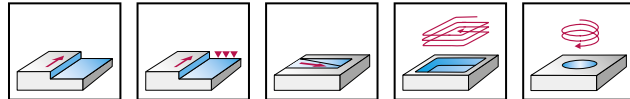
Shoulder milling cutters

M5130

BC .. 1605 .. R
Xtra-tec® XT



– Two cutting edges per indexable insert



	P	M	K	N	S	H	O
M5130	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M5130-040-B16-03-15	40	16		40		15	3	0,15	3	BC .. 1605 .. R
	M5130-040-B16-04-15	40	16		40		15	4	0,14	4	
	M5130-042-B16-03-15	42	16		40		15	3	0,17	3	
	M5130-050-B22-03-15	50	22		40		15	3	0,31	3	
	M5130-050-B22-06-15	50	22		40		15	6	0,31	6	
	M5130-054-B22-03-15	54	22		40		15	3	0,34	3	
	M5130-063-B22-04-15	63	22		40		15	4	0,43	4	
	M5130-063-B27-04-15	63	27		50		15	4	0,66	4	
	M5130-063-B22-07-15	63	22		40		15	7	0,45	7	
	M5130-063-B27-07-15	63	27		50		15	7	0,68	7	
	M5130-066-B27-04-15	66	27		50		15	4	0,72	4	
	M5130-080-B27-05-15	80	27		50		15	5	0,92	5	
	M5130-080-B27-08-15	80	27		50		15	8	0,97	8	
	M5130-085-B27-05-15	85	27		50		15	5	1,03	5	
	M5130-100-B32-05-15	100	32		50		15	5	1,55	5	
	M5130-100-B32-08-15	100	32		50		15	8	1,62	8	
	M5130-125-B40-07-15	125	40		63		15	7	2,47	7	
	M5130-125-B40-10-15	125	40		63		15	10	2,67	10	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D_c [mm]	40–125
	Clamping screw for indexable insert Tightening torque	FS2300 (Torx 15IP) 3,5 Nm

Accessories

	D_c [mm]	40–125
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)

Indexable inserts

Designation	r mm	b mm	P					M				K				N		S			H		O		
			HC					HC				HC				HC	HW	HC			HC	HC			
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSM45X	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45S	WSP45G	WHH15	WHH15X	WXM15
	0,8	2	☺	☺	☺	☺	☺	☺			☺		☺	☺	☺		☺								
BCHT160508R-K85	0,8	2														☺	☺								
BCHT160512R-K85	1,2	1,7														☺	☺								
BCHT160516R-K85	1,6	1,7														☺	☺								
BCHT160520R-K85	2	1,5														☺	☺								
BCHT160525R-K85	2,5	1,4														☺	☺								
BCHT160530R-K85	3	1,2														☺	☺								
BCHT160540R-K85	4	1,1														☺	☺								
BCMT160508R-F55	0,8	2	☺	☺	☺	☺	☺		☺	☺	☺	☺	☺	☺	☺				☺	☺	☺	☺			
BCMT160508R-G55	0,8	2	☺	☺	☺		☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺	☺	☺	☺			
BCMT160508R-K55	0,8	2		☺	☺		☺	☺	☺	☺					☺			☺	☺	☺	☺	☺			
BCMT160512R-G55	1,2	1,7		☺	☺		☺	☺	☺	☺					☺				☺	☺	☺	☺			
BCMT160516R-G55	1,6	1,5		☺	☺		☺	☺	☺	☺					☺				☺	☺	☺	☺			
BCMT160520R-G55	2	1,5		☺	☺		☺	☺	☺	☺					☺				☺	☺	☺	☺			
BCMT160525R-G55	2,5	1,4		☺	☺		☺	☺	☺	☺					☺				☺	☺	☺	☺			
BCMT160530R-G55	3	1,2		☺	☺		☺	☺	☺	☺					☺				☺	☺	☺	☺			
BCMT160532R-G55	3,2	1,1		☺	☺	☺	☺		☺	☺					☺				☺	☺	☺	☺			
BCMT160540R-G55	4	1,1		☺	☺		☺	☺	☺	☺					☺				☺	☺	☺	☺			
BCMT160550R-G55	5	0,7		☺	☺		☺		☺	☺					☺				☺	☺	☺	☺			
BCMT160560R-G55	6	0,1		☺	☺		☺		☺	☺					☺				☺	☺	☺	☺			
	0,8	8									☺												☺	☺	☺

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked.

R (body) = r (indexable insert) - 1 mm

BCGX1605PDR-F56-G55 wiper insert only in combination with BCGT160508-G55.

HC = Coated carbide

HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●● Primary application

● Other application

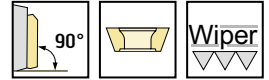
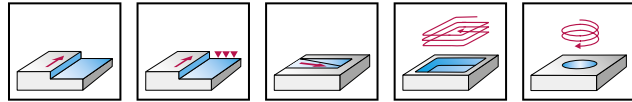
Shoulder milling cutters

M5130

BC .. 1605 .. R
Xtra-tec® XT

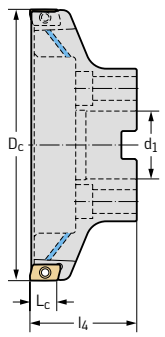


– Two cutting edges per indexable insert



	P	M	K	N	S	H	O
M5130	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway	M5130-160-B40-08-15	160	40/40 B		63		15	8	2,88	8	BC .. 1605 .. R
	M5130-160-B40-12-15	160	40/40 B		63		15	12	3,02	12	



Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		160
	Clamping screw for indexable insert Tightening torque	FS2300 (Torx 15IP) 3,5 Nm

Accessories

D _c [mm]		160
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)
	Sealing disc set (incl. gasket and screws)	FS936 COMPLETE SET
	Gasket	O-R 96X4

Indexable inserts

Designation	r mm	b mm	P		M				K				N		S				H		O	
			HC	HC	HC	HC	HC	HC	HC	HC	HW	HC	HW	HC	HC	HC	HC	HC	HC			
BCGT160508R-G55	0,8	2	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕								
BCHT160508R-K85	0,8	2											⊕	⊕								
BCHT160512R-K85	1,2	1,7											⊕	⊕								
BCHT160516R-K85	1,6	1,7											⊕	⊕								
BCHT160520R-K85	2	1,5											⊕	⊕								
BCHT160525R-K85	2,5	1,4											⊕	⊕								
BCHT160530R-K85	3	1,2											⊕	⊕								
BCHT160540R-K85	4	1,1											⊕	⊕								
BCMT160508R-F55	0,8	2	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕				
BCMT160508R-G55	0,8	2	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕				
BCMT160508R-K55	0,8	2		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕				
BCMT160512R-G55	1,2	1,7		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕					⊕	⊕	⊕			
BCMT160516R-G55	1,6	1,5		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕					⊕	⊕	⊕			
BCMT160520R-G55	2	1,5		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕					⊕	⊕	⊕			
BCMT160525R-G55	2,5	1,4		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕					⊕	⊕	⊕			
BCMT160530R-G55	3	1,2		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕					⊕	⊕	⊕			
BCMT160532R-G55	3,2	1,1		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕					⊕	⊕	⊕			
BCMT160540R-G55	4	1,1		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕					⊕	⊕	⊕			
BCMT160550R-G55	5	0,7		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕					⊕	⊕	⊕			
BCMT160560R-G55	6	0,1		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕					⊕	⊕	⊕			
BCGX1605PDR-G55	0,8	8								⊕										⊕	⊕	⊕

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked.

R (body) = r (indexable insert) - 1 mm

BCGX1605PDR-F56-G55 wiper insert only in combination with BCGT160508-G55.

HC = Coated carbide

HW = Uncoated carbide

Shoulder milling cutters

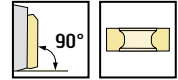
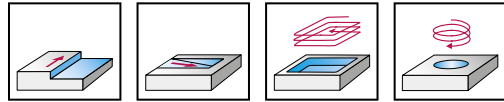
M5137

TNMMU11T304R

Xtra-tec® XT



– Six cutting edges per indexable insert



	P	M	K	N	S	H	O
M5137	●	●	●	●	●		

Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Shank DIN 1835 B 	M5137-025-W25-03-05	25	25	40	96	5	3	0,3	3	TNMMU11T304R
	M5137-032-W32-04-05	32	32	40	101	5	4	0,5	4	
	M5137-032-W32-05-05	32	32	40	101	5	5	0,5	5	
Parallel bore DIN 138 transverse keyway 	M5137-040-B16-05-05	40	16	40		5	5	0,2	5	TNMMU11T304R
	M5137-040-B16-06-05	40	16	40		5	6	0,2	6	
	M5137-050-B22-06-05	50	22	40		5	6	0,3	6	
	M5137-050-B22-08-05	50	22	40		5	8	0,3	8	
	M5137-063-B22-07-05	63	22	40		5	7	0,5	7	
	M5137-063-B22-09-05	63	22	40		5	9	0,5	9	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		25–63
	Clamping screw for indexable insert Tightening torque	FS2061 (Torx 7IP) 0,9 Nm

Accessories

D _c [mm]		25–63
	Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm
	Interchangeable blade	FS2011 (Torx 7IP)
	Screwdriver	FS2088 (Torx 7IP)

Indexable inserts

Designation	b mm	r mm	P		M		K			N		S									
			HC		HC		HC			HW	HC	HC									
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WXN15	WSM35S	WSP45S	WSP45G	
TNMMU1T304R-G57	1	0,4	☺	☺	☺	☺	☺					☺	☺	☺	☺						☺

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

•• Primary application

• Other application

Shoulder milling cutters

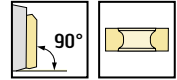
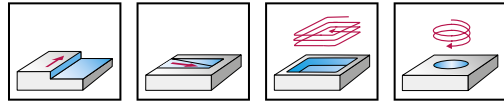
M5137

TNMU160508R

Xtra-tec® XT



– Six cutting edges per indexable insert




	P	M	K	N	S	H	O
M5137	●	●	●	●	●		




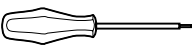
Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M5137-050-B22-04-08	50	22	40	8	4	0,26	4	TNMU160508R
	M5137-050-B22-05-08	50	22	40	8	5	0,25	5	
	M5137-063-B22-05-08	63	22	40	8	5	0,45	5	
	M5137-063-B22-07-08	63	22	40	8	7	0,42	7	
	M5137-080-B27-07-08	80	27	50	8	7	0,94	7	
	M5137-080-B27-09-08	80	27	50	8	9	0,94	9	
	M5137-100-B32-08-08	100	32	50	8	8	1,63	8	
	M5137-100-B32-11-08	100	32	50	8	11	1,62	11	

Bodies and assembly parts are included in the scope of delivery

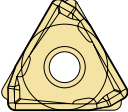
Assembly parts

D _c [mm]		50–100
	Clamping screw for indexable insert Tightening torque	FS2079 (Torx 9IP) 2,0 Nm

Accessories

D _c [mm]		50–100
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2013 (Torx 9IP)
	Screwdriver	FS1484 (Torx 9IP)

Indexable inserts

Designation	b mm	r mm	P					M			K				N		S	
			HC					HC			HC				HW	HC	HC	
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WXN15	WSM35S
 TNMU160508R-G57	1,6	0,8	☉	☉	☉	☉	☉	☉				☉	☉	☉				☉

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

●●
Primary application

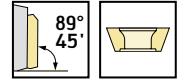
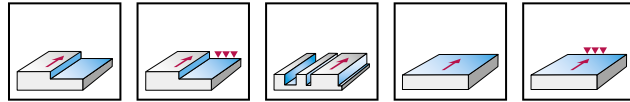
●
Other application

Shoulder milling cutters

M4132



– Four cutting edges per indexable insert



M4132	P	M	K	N	S	H	O
	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₂ mm	l ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M4132-016-T14-02-06	16	T14			25	5,6	2	0,04	2	SD .. 06T2 ..
	M4132-016-T14-02-06	16	T14			25	5,6	2	1,1	2	
	M4132-020-T18-02-06	20	T18			30	5,6	2	0,07	2	
	M4132-020-T18-03-06	20	T18			30	5,6	3	0,07	3	SD .. 09T3 ..
	M4132-020-T18-03-06	20	T18			30	5,6	3	0,07	3	
	M4132-025-T22-02-09	25	T22			35	8,4	2	0,12	2	SD .. 09T3 ..
	M4132-025-T22-02-09	25	T22			35	8,4	2	0,12	2	
	M4132-025-T22-03-06	25	T22			35	5,6	3	0,11	3	SD .. 06T2 ..
	M4132-025-T22-04-06	25	T22			35	5,6	4	0,13	4	
	M4132-025-T22-04-06	25	T22			35	5,6	4	0,13	4	SD .. 09T3 ..
	M4132-032-T28-03-09	32	T28			40	8,4	3	0,21	3	
	M4132-032-T28-03-09	32	T28			40	8,4	3	0,21	3	SD .. 09T3 ..
	M4132-040-T36-04-09	40	T36			40	8,4	4	0,36	4	
	M4132-040-T36-04-09	40	T36			40	8,4	4	0,36	4	SD .. 09T3 ..
	M4132-050-T45-06-09	50	T45			40	8,4	6	0,37	6	
M4132-050-T45-06-09	50	T45			40	8,4	6	0,37	6		
Cylindrical, modular 	M4132-016-TC08-02-06	16	M8			25	5,6	2	0,03	2	SD .. 06T2 ..
	M4132-020-TC10-02-06	20	M10			30	5,6	2	0,06	2	
	M4132-020-TC10-03-06	20	M10			30	5,6	3	0,06	3	SD .. 09T3 ..
	M4132-025-TC12-02-09	25	M12			35	8,4	2	0,10	2	
	M4132-025-TC12-03-06	25	M12			35	5,6	3	0,10	3	SD .. 06T2 ..
	M4132-025-TC12-04-06	25	M12			35	5,6	4	0,10	4	
	M4132-032-TC16-02-09	32	M16			40	8,4	2	0,20	2	SD .. 09T3 ..
	M4132-032-TC16-03-09	32	M16			40	8,4	3	0,18	3	
Shank DIN 1835 B 	M4132-016-W16-02-06	16		16	80	31	5,6	2	0,12	2	SD .. 06T2 ..
	M4132-016-W16-02-06	16		16	80	31	5,6	2	0,12	2	
	M4132-020-W20-02-06	20		20	90	39	5,6	2	0,20	2	
	M4132-020-W20-03-06	20		20	90	39	5,6	3	0,20	3	SD .. 09T3 ..
	M4132-020-W20-03-06	20		20	90	39	5,6	3	0,20	3	
	M4132-025-W25-02-09	25		25	100	43	8,4	2	0,35	2	SD .. 09T3 ..
	M4132-025-W25-02-09	25		25	100	43	8,4	2	0,35	2	
	M4132-025-W25-03-06	25		25	100	43	5,6	3	0,35	3	SD .. 06T2 ..
	M4132-025-W25-04-06	25		25	100	43	5,6	4	0,35	4	
	M4132-025-W25-04-06	25		25	100	43	5,6	4	0,35	4	SD .. 09T3 ..
	M4132-032-W32-02-09	32		32	110	49	8,4	2	0,61	2	
	M4132-032-W32-03-09	32		32	110	49	8,4	3	0,60	3	SD .. 09T3 ..
	M4132-040-W40-04-09	40		40	120	49	8,4	4	1,07	4	
	M4132-040-W40-04-09	40		40	120	49	8,4	4	1,05	4	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	SD .. 06T2 ..	SD .. 09T3 ..
Clamping screw for indexable insert Tightening torque	FS2084 (Torx 7IP) 0,9 Nm	FS2266 (Torx 10IP) 2,0 Nm

Accessories

Type	SD .. 06T2 ..	SD .. 09T3 ..
Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm
Torque screwdriver, digital Tightening torque		FS2248 1,0–6,0 Nm
Interchangeable blade	FS2011 (Torx 7IP)	FS2268 (Torx 10IP)
Screwdriver	FS2088 (Torx 7IP)	FS2267 (Torx 10IP)

Indexable inserts

Designation	r mm	b mm	P				M			K				N		S		
			HC				HC			HC				HC	HW	HC		
			WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X
SDGT06T2PDR-D57	0,4	1,2	☺	☺	☺	☺	☺				☺	☺	☺	☺			☺	☺
SDGT09T3PDR-D57	0,8	1,2	☺	☺	☺	☺	☺				☺	☺	☺	☺			☺	☺
SDHT06T204-G88	0,4													☺	☺			
SDMT06T204-D51	0,4		☺	☺	☺	☺		☺			☺	☺	☺					☺
SDMT06T204-D57	0,4		☺	☺	☺	☺	☺		☺		☺	☺	☺			☺		☺
SDMT06T204-F57	0,4		☺	☺	☺	☺	☺	☺			☺	☺	☺			☺	☺	☺
SDMT06T208-F57	0,8		☺	☺	☺	☺		☺			☺	☺	☺			☺		☺
SDMT06T212-F57	1,2			☺	☺	☺	☺	☺			☺	☺	☺			☺	☺	☺
SDMW06T204-A57	0,4		☺	☺	☺						☺	☺	☺					☺
SDHT09T304-G88	0,4													☺	☺			
SDHT09T308-G88	0,8													☺	☺			
SDMT09T304-F57	0,4			☺	☺	☺		☺			☺	☺	☺					☺
SDMT09T308-D51	0,8		☺	☺	☺	☺		☺			☺	☺	☺					☺
SDMT09T308-D57	0,8		☺	☺	☺	☺	☺		☺		☺	☺	☺			☺		☺
SDMT09T308-F57	0,8		☺	☺	☺	☺	☺	☺			☺	☺	☺			☺	☺	☺
SDMT09T312-F57	1,2			☺	☺	☺		☺			☺	☺	☺					☺
SDMT09T316-F57	1,6			☺	☺	☺		☺			☺	☺	☺					☺
SDMT09T320-F57	2			☺	☺	☺	☺	☺			☺	☺	☺			☺	☺	☺
SDMW09T308-A57	0,8		☺	☺	☺						☺	☺	☺					☺
SDMW09T320-A57	2			☺	☺	☺	☺	☺			☺	☺	☺			☺	☺	☺

SD..06T2.. : If the corner radius r is greater than 0.4 mm, the corner area of the body must be reworked.
 SD..09T3.. : If the corner radius r is greater than 0.8 mm, the corner area of the body must be reworked.
 SD..1204.. : If the corner radius r is greater than 0.8 mm, the corner area of the body must be reworked.
 $R_{(body)} = r_{(indexable\ insert)}$

HC = Coated carbide
 HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●●
Primary application

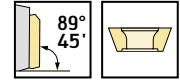
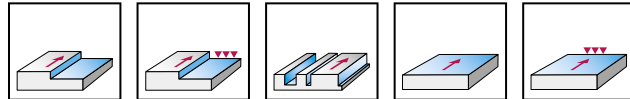
●
Other application

Shoulder milling cutters

M4132



– Four cutting edges per indexable insert



	P	M	K	N	S	H	O
M4132	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M4132-040-B16-04-09	40	16			40	8,4	4	0,22	4	SD .. 09T3 ..
	M4132-040-B16-04-09	40	16			40	8,4	4	0,22	4	
	M4132-040-B16-05-09	40	16			40	8,4	5	0,22	5	
	M4132-040-B16-05-09	40	16			40	8,4	5	0,22	5	
	M4132-050-B22-04-09	50	22			40	8,4	4	0,33	4	
	M4132-050-B22-04-12	50	22			40	11,6	4	0,26	4	
	M4132-050-B22-04-09	50	22			40	8,4	4	0,35	4	
	M4132-050-B22-04-12	50	22			40	11,6	4	0,26	4	
	M4132-050-B22-05-12	50	22			40	11,6	5	0,29	5	
	M4132-050-B22-05-12	50	22			40	11,6	5	0,29	5	
	M4132-050-B22-06-09	50	22			40	8,4	6	0,33	6	
	M4132-050-B22-06-09	50	22			40	8,4	6	0,33	6	
	M4132-063-B22-05-09	63	22			40	8,4	5	0,55	5	
	M4132-063-B22-05-12	63	22			40	11,6	5	0,52	5	
	M4132-063-B22-05-09	63	22			40	8,4	5	0,55	5	
	M4132-063-B22-05-12	63	22			40	11,6	5	0,52	5	
	M4132-063-B22-06-12	63	22			40	11,6	6	0,54	6	
	M4132-063-B22-06-12	63	22			40	11,6	6	0,54	6	
	M4132-063-B22-07-09	63	22			40	8,4	7	0,57	7	
	M4132-063-B22-07-09	63	22			40	8,4	7	0,57	7	
	M4132-080-B27-06-09	80	27			50	8,4	6	1,14	6	
	M4132-080-B27-06-12	80	27			50	11,6	6	1,00	6	
	M4132-080-B27-06-09	80	27			50	8,4	6	1,14	6	
	M4132-080-B27-08-09	80	27			50	8,4	8	1,17	8	
	M4132-080-B27-08-12	80	27			50	11,6	8	1,12	8	
	M4132-100-B32-07-12	100	32			50	11,6	7	1,8	7	
	M4132-100-B32-09-12	100	32			50	11,6	9	1,83	9	
	M4132-125-B40-08-12	125	40			63	11,6	8	3,37	8	
	M4132-125-B40-10-12	125	40			63	11,6	10	3,42	10	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

Type	SD .. 09T3 ..	SD .. 1204 ..
Clamping screw for indexable insert Tightening torque	FS2266 (Torx 10IP) 2,0 Nm	FS1453 (Torx 15IP) 3,5 Nm

Accessories

Type	SD .. 09T3 ..	SD .. 1204 ..
Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
Interchangeable blade	FS2268 (Torx 10IP)	FS2014 (Torx 15IP)
Screwdriver	FS2267 (Torx 10IP)	FS1485 (Torx 15IP)

Indexable inserts

Designation	r mm	b mm	P				M			K				N		S		
			HC				HC			HC				HC	HW	HC		
			WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X
SDGT09T3PDR-D57	0.8	1.2	☺	☺	☺	☺	☺	☺				☺	☺	☺			☺	☺
SDGT1204PDR-D57	0.8	1.6	☺	☺	☺	☺	☺	☺				☺	☺	☺			☺	☺
SDHT09T304-G88	0.4													☺	☺			
SDHT09T308-G88	0.8													☺	☺			
SDMT09T304-F57	0.4			☺	☺	☺		☺				☺	☺					☺
SDMT09T308-D51	0.8		☺	☺	☺	☺		☺				☺	☺					☺
SDMT09T308-D57	0.8		☺	☺	☺	☺	☺		☺	☺	☺	☺				☺		☺
SDMT09T308-F57	0.8		☺	☺	☺	☺	☺	☺				☺	☺				☺	☺
SDMT09T312-F57	1.2			☺	☺	☺		☺				☺	☺					☺
SDMT09T316-F57	1.6			☺	☺	☺		☺				☺	☺					☺
SDMT09T320-F57	2			☺	☺	☺	☺	☺				☺	☺				☺	☺
SDMW09T308-A57	0.8			☺	☺	☺		☺				☺	☺					☺
SDMW09T320-A57	2			☺	☺	☺	☺	☺				☺	☺			☺		☺
SDHT120408-G88	0.8													☺	☺			
SDMT120408-D51	0.8		☺	☺	☺	☺		☺				☺	☺					☺
SDMT120408-D57	0.8		☺	☺	☺	☺	☺		☺	☺	☺	☺				☺		☺
SDMT120408-F57	0.8		☺	☺	☺	☺	☺	☺				☺	☺				☺	☺
SDMT120412-F57	1.2			☺	☺	☺		☺				☺	☺					☺
SDMT120416-F57	1.6			☺	☺	☺		☺				☺	☺					☺
SDMT120420-F57	2			☺	☺	☺		☺				☺	☺					☺
SDMT120425-F57	2.5			☺	☺	☺	☺	☺				☺	☺				☺	☺
SDMW120408-A57	0.8			☺	☺	☺		☺				☺	☺					☺
SDMW120425-A57	2.5			☺	☺	☺	☺	☺				☺	☺			☺		☺

SD..06T2.. : If the corner radius r is greater than 0.4 mm, the corner area of the body must be reworked.
 SD..09T3.. : If the corner radius r is greater than 0.8 mm, the corner area of the body must be reworked.
 SD..1204.. : If the corner radius r is greater than 0.8 mm, the corner area of the body must be reworked.

HC = Coated carbide
 HW = Uncoated carbide

R_(body) = r_(indexable insert)

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

•• Primary application

• Other application

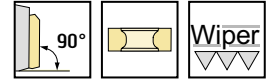
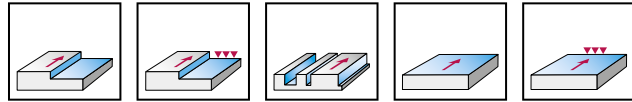
Shoulder milling cutters

F5041

LN .. 0904 .. R
Walter BLAXX



- Tangential arrangement of indexable inserts
- Four cutting edges per indexable insert



F5041	P	M	K	N	S	H	O
	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	F5041.T22.025.Z03.08	25	T22		35		8	3	0,12	3	LN .. 0904 .. R
	F5041.T22.025.Z04.08	25	T22		35		8	4	0,12	4	
	F5041.T28.032.Z04.08	32	T28		40		8	4	0,22	4	
	F5041.T28.032.Z05.08	32	T28		40		8	5	0,22	5	
Shank DIN 1835 B 	F5041.W25.025.Z03.08	25		25	43	100	8	3	0,34	3	LN .. 0904 .. R
	F5041.W25.025.Z04.08	25		25	43	100	8	4	0,34	4	
	F5041.W32.032.Z04.08	32		32	49	110	8	4	0,61	4	
	F5041.W32.032.Z05.08	32		32	49	110	8	5	0,61	5	
	F5041.W32.040.Z06.08	40		32	49	110	8	6	0,79	6	
Cylindrical shank 	F5041.Z25.025.Z03.08	25		25	38	200	8	3	0,74	3	LN .. 0904 .. R
	F5041.Z25.025.Z04.08	25		25	38	200	8	4	0,74	4	
	F5041.Z32.032.Z04.08	32		32	39	250	8	4	1,50	4	
	F5041.Z32.032.Z05.08	32		32	39	250	8	5	1,53	5	
Parallel bore DIN 138 transverse keyway 	F5041.B16.040.Z04.08	40	16		40		8	4	0,45	4	LN .. 0904 .. R
	F5041.B16.040.Z06.08	40	16		40		8	6	0,36	6	
	F5041.B22.050.Z05.08	50	22		40		8	5	0,49	5	
	F5041.B22.050.Z07.08	50	22		40		8	7	0,51	7	
	F5041.B22.063.Z07.08	63	22		40		8	7	0,74	7	
	F5041.B22.063.Z10.08	63	22		40		8	10	0,82	10	

Balanced construction
Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		25–63
	Clamping screw for indexable insert Tightening torque	FS1457 (Torx 9IP) 2,0 Nm

Accessories

D _c [mm]		25–63
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2013 (Torx 9IP)
	Screwdriver	FS1484 (Torx 9IP)

Indexable inserts

Designation	r mm	b mm	P		M				K				N		S				H		O						
			HC		HC		HC		HC		HC		HW		HC		HC		HC								
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSM45X	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45S	WSP45G	WHH15	WHH15X	WXM15		
	LNHU090404R-L55T	0,4	1,5	☺	☺	☺	☺	☺				☺	☺	☺	☺	☺			☺								
	LNHU090404R-L65T	0,4	1,5				☺															☺					
	LNHU090404R-L85T	0,4	1,5														☺	☺									
	LNHU090408R-L55T	0,8	1,1	☺	☺	☺	☺	☺					☺	☺	☺	☺			☺				☺				
	LNHU090412R-L55T	1,2	0,8		☺	☺	☺	☺	☺											☺		☺	☺				
	LNHU090416R-L55T	1,6			☺	☺	☺	☺	☺											☺		☺	☺				
	LNHU090420R-L55T	2			☺	☺	☺	☺	☺											☺		☺	☺				
LNMU090404R-L55T	0,4	1,5	☺	☺	☺		☺					☺	☺	☺	☺						☺	☺					
	LNHX0904PDR-L55T	0,4	3,5									☺											☺	☺	☺		

LNHX0904PDR-L55T wiper insert only in combination with LNHU090404R-L55T . . . HC = Coated carbide
Do not use the LNHX0904PDR-L55T wiper insert in tools D_c = 25 mm. HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●● Primary application

● Other application

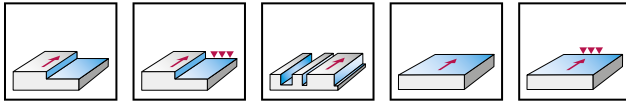
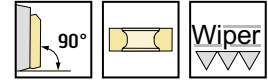
Shoulder milling cutters

F5141

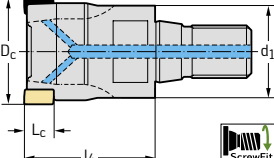
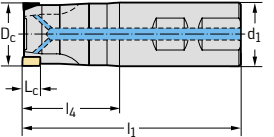
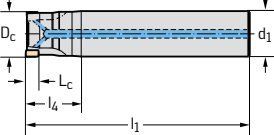
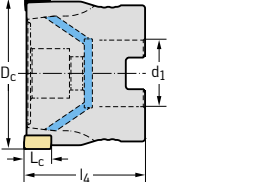
LN .. 1306 .. R
Walter BLAXX



- Tangential arrangement of indexable inserts
- Four cutting edges per indexable insert



F5141	P	M	K	N	S	H	O
	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	F5141.T36.040.Z05.12	40	T36		40		12	5	0,36	5	LN .. 1306 .. R
	F5141.T45.050.Z06.12	50	T45		40		12	6	0,51	6	
Shank DIN 1835 B 	F5141.W32.040.Z03.12	40		32	49	110	12	3	0,69	3	LN .. 1306 .. R
	F5141.W32.040.Z05.12	40		32	49	110	12	5	0,74	5	
Cylindrical shank 	F5141.Z32.040.Z03.12	40		32	44	250	12	3	1,57	3	LN .. 1306 .. R
Parallel bore DIN 138 transverse keyway 	F5141.B16.040.Z04.12	40	16		40		12	4	0,33	4	LN .. 1306 .. R
	F5141.B16.040.Z05.12	40	16		40		12	5	0,33	5	
	F5141.B22.050.Z05.12	50	22		40		12	5	0,35	5	
	F5141.B22.050.Z06.12	50	22		40		12	6	0,53	6	
	F5141.B22.063.Z06.12	63	22		40		12	6	0,80	6	
	F5141.B22.063.Z08.12	63	22		40		12	8	0,71	8	
	F5141.B27.080.Z07.12	80	27		50		12	7	1,29	7	
	F5141.B27.080.Z10.12	80	27		50		12	10	1,27	10	
	F5141.B32.100.Z09.12	100	32		50		12	9	2,72	9	
	F5141.B32.100.Z13.12	100	32		50		12	13	2,68	13	
	F5141.B40.125.Z11.12	125	40		63		12	11	3,3	11	
F5141.B40.125.Z16.12	125	40		63		12	16	4,35	16		

Balanced construction
Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		40–125
	Clamping screw for indexable insert Tightening torque	FS2081 (Torx 15IP) 4,0 Nm

Accessories

D _c [mm]		40–125
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)

Indexable inserts

Designation	r mm	b mm	P					M				K				N		S			H		O
			WC	HC	WC	HC	WC	WC	WC	WC	WC	WC	WC	WC	WC	WC	WC	WC	WC	WC	WC	WC	
LNHU130608R-L55T	0,8	2,2	⊕	⊕	⊕	⊕	⊕																
LNHU130608R-L65T	0,8	2,2					⊕																
LNHU130608R-L85T	0,8	2,2												⊕	⊕								
LNHU130612R-L55T	1,2	1,9		⊕	⊕		⊕																
LNHU130616R-L55T	1,6	1,5		⊕	⊕		⊕																
LNHU130620R-L55T	2	1,2		⊕	⊕		⊕																
LNHU130625R-L55T	2,5	0,7		⊕	⊕	⊕	⊕																
LNHU130630R-L55T	3	2,3		⊕	⊕		⊕																
LNHU130632R-L55T	3,2			⊕	⊕	⊕	⊕																
LNMU130608R-L55T	0,8	2,2	⊕	⊕	⊕		⊕																
LNHX130608R-L55T	0,8	2,2																			⊕	⊕	⊕
LNHX1306PDR-L55T	0,6	5																			⊕	⊕	⊕

LNHX130608R-L55T wiper insert only in combination with LNHU130608R-L55T ... HC = Coated carbide
 LNHX1306PDR-L55T wiper insert only in combination with LNHU130608R-L55T ... HW = Uncoated carbide
 Do not use the LNHX1306.R-L55T wiper insert in tools D_c = 40 mm.

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

Very good


Good

Moderate


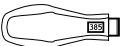
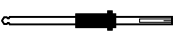
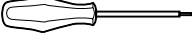


•• Primary application

• Other application


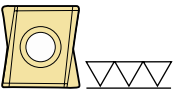
Assembly parts

D _c [mm]		160
	Clamping screw for indexable insert Tightening torque	FS2081 (Torx 15IP) 4,0 Nm

Accessories

D _c [mm]		160
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)
	Sealing disc set (incl. gasket and screws)	FS936 COMPLETE SET
	Gasket	O-R 96X4

Indexable inserts

Designation	r mm	b mm	P		M				K				N		S				H		O				
			HC		HC		HC		HC		HC		HC	HW	HC		HC		HC	HC					
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSM45X	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45S	WSP45G	WHH15	WHH15X	WXM15
 LNHU130608R-L55T	0,8	2,2	☺	☺	☺	☺	☺	☺			☺	☺	☺	☺	☺	☺			☺						
LNHU130608R-L65T	0,8	2,2				☺					☺											☺			
LNHU130608R-L85T	0,8	2,2				☺					☺						☺	☺							
LNHU130612R-L55T	1,2	1,9		☺	☺	☺	☺	☺			☺				☺	☺			☺			☺			
LNHU130616R-L55T	1,6	1,5		☺	☺	☺	☺	☺			☺				☺	☺			☺			☺			
LNHU130620R-L55T	2	1,2		☺	☺	☺	☺	☺			☺				☺	☺			☺			☺			
LNHU130625R-L55T	2,5	0,7		☺	☺	☺	☺	☺			☺				☺	☺			☺		☺	☺			
LNHU130630R-L55T	3	2,3		☺	☺	☺	☺	☺			☺				☺	☺			☺			☺			
LNHU130632R-L55T	3,2			☺	☺	☺	☺	☺			☺				☺	☺			☺		☺	☺			
LNMU130608R-L55T	0,8	2,2	☺	☺	☺	☺		☺			☺	☺	☺	☺	☺	☺			☺			☺			
 LNHX130608R-L55T	0,8	2,2										☺											☺	☺	☺
LNHX1306PDR-L55T	0,6	5										☺											☺	☺	☺

LNHX130608R-L55T wiper insert only in combination with LNHU130608R-L55T . . HC = Coated carbide
 LNHX1306PDR-L55T wiper insert only in combination with LNHU130608R-L55T . . HW = Uncoated carbide
 Do not use the LNHX1306..R-L55T wiper insert in tools D_c = 40 mm.

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

•• Primary application

• Other application

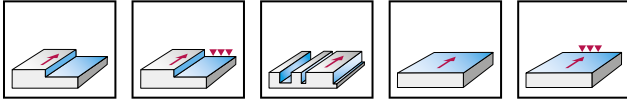
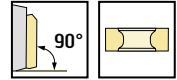
Shoulder milling cutters

F5241

LNHU1607 .. R
Walter BLAXX



- Tangential arrangement of indexable inserts
- Four cutting edges per indexable insert



	P	M	K	N	S	H	O
F5241	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	F5241.B22.050.Z05.15	50	22	40	15	5	0,45	5	LNHU1607 .. R
	F5241.B22.063.Z06.15	63	22	40	15	6	0,70	6	
	F5241.B27.080.Z05.15	80	27	50	15	5	1,21	5	
	F5241.B27.080.Z07.15	80	27	50	15	7	1,27	7	
	F5241.B32.100.Z06.15	100	32	50	15	6	1,77	6	
	F5241.B32.100.Z08.15	100	32	50	15	8	2,61	8	
	F5241.B40.125.Z10.15	125	40	63	15	10	4,21	10	
	F5241.B40.160.Z12.15	160	40/40 B	63	15	12	5,4	12	

Balanced construction
Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		50	63–160
	Clamping screw for indexable insert Tightening torque	FS1495 (Torx 20IP) 5,0 Nm	FS2112 (Torx 20IP) 5,0 Nm

Accessories

D _c [mm]		50–125	160
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2015 (Torx 20IP)	FS2015 (Torx 20IP)
	Screwdriver	FS1486 (Torx 20IP)	FS1486 (Torx 20IP)
	Sealing disc set (incl. gasket and screws)		FS936 COMPLETE SET
	Gasket		O-R 96X4

Indexable inserts

Designation	r mm	b mm	P		M		K				N		S								
			HC	HC	HC	HC	HC	HC	HW	HC	HC										
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45S	WSP45G	
LNHU160708R-L55T	0,8	2,3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LNHU160708R-L85T	0,8	2,3															☺				
LNHU160712R-L55T	1,2	1,9		☺	☺				☺	☺				☺	☺						☺
LNHU160716R-L55T	1,6	1,6				☺			☺												☺

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

•• Primary application

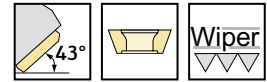
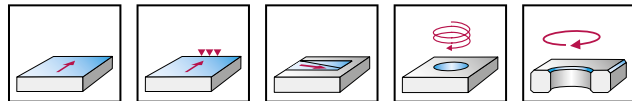
• Other application

Octagon face milling cutters M5004

OD .. 0504 ..
Xtra-tec® XT



– Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M5004	●	●	●	●	●	●	●

Tool	Designation	D _c mm	D _a mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	L _{c2} mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5004-032-T28-02-03	24	32	T28	40		3	8	2	0,2	2	OD .. 0504 ..
	M5004-040-T36-03-03	32	40	T36	40		3	8	3	0,3	3	OD .. 0504ZZ ..
Cylindrical, modular 	M5004-032-TC16-02-03	24	32	M16	40		3	8	2	0,1	2	OD .. 0504 .. OD .. 0504ZZ ..
Cylindrical shank 	M5004-032-A20-02-03	24	32	20	35	110	3	8	2	0,2	2	OD .. 0504 .. OD .. 0504ZZ ..
	M5004-032-A25-02-03	24	32	25	35	150	3	8	2	0,5	2	
	M5004-040-A20-03-03	32	40	20	35	110	3	8	3	0,3	3	
	M5004-040-A25-03-03	32	40	25	35	150	3	8	3	0,5	3	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		24–32
	Clamping screw for indexable insert Tightening torque	FS2119 (Torx 15IP) 3,0 Nm

Accessories

D _c [mm]		24–32
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)

Indexable inserts

Designation	r mm	b mm	P		M				K				N		S		H		
			HC	HC	HC	HC	HC	HC	CN	HC	HW	HC	HC	HC	HC	HC	HC		
ODHX0504ZZR-A57		7,2		☺							☺							☺	☺
ODHT050408-F57	0,8			☺	☺						☺	☺							☺
ODHW050408-A57	0,8			☺							☺								
ODHW050412-A57	1,2												☺						
ODMT050408-D57	0,8			☺	☺						☺	☺							☺
ODMW050408-A57	0,8			☺	☺						☺	☺							
ODMW050408T-A27	0,8			☺	☺						☺	☺							
ODHT0504ZZN-F57	0,8	1,2		☺	☺						☺	☺							☺
ODHT0504ZZN-G77	0,8	1,6																	☺
ODHT0504ZZN-G88	0,8	1,2											☺	☺					
ODHW0504ZZN-A57	0,8	1,2		☺	☺						☺	☺							
ODMT0504ZZN-D57	0,8	1,2		☺	☺						☺	☺							☺
ODMT0504ZZN-F57	0,8	1,2		☺	☺						☺	☺							☺

HC = Coated carbide
 CN = Silicon nitride Si₃N₄
 HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●●
Primary application

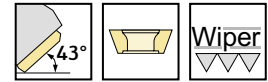
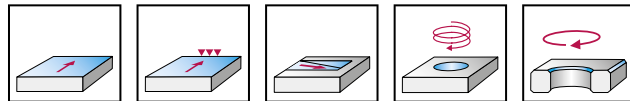
●
Other application

Octagon face milling cutters M5004

OD .. 0504 ..
Xtra-tec® XT



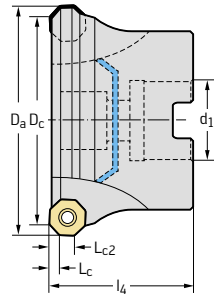
– Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M5004	●●	●●	●●	●●	●●	●	●

Tool

Parallel bore
DIN 138 transverse keyway




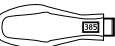
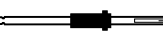
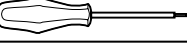
Designation	D _c mm	D _a mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	L _{c2} mm	Z	kg	No. of indexable inserts	Type
M5004-050-B16-04-03	42	50	16	40		3	8	4	0,2	4	
M5004-050-B16-05-03	42	50	16	40		3	8	5	0,2	5	
M5004-052-B22-04-03	44	52	22	45		3	8	4	0,4	4	
M5004-052-B22-05-03	44	52	22	40		3	8	5	0,4	5	
M5004-058-B16-04-03	50	58	16	40		3	8	4	0,3	4	
M5004-058-B16-05-03	50	58	16	40		3	8	5	0,3	5	
M5004-063-B22-05-03	55	63	22	40		3	8	5	0,4	5	
M5004-063-B22-06-03	55	63	22	40		3	8	6	0,4	6	
M5004-063-B22-07-03	55	63	22	40		3	8	7	0,4	7	
M5004-066-B27-06-03	58	66	27	50		3	8	6	0,6	6	
M5004-066-B27-07-03	58	66	27	50		3	8	7	0,6	7	
M5004-071-B22-06-03	63	71	22	40		3	8	6	0,5	6	OD .. 0504 ..
M5004-071-B22-07-03	63	71	22	40		3	8	7	0,5	7	OD .. 0504ZZ ..
M5004-080-B27-06-03	72	80	27	50		3	8	6	0,9	6	
M5004-080-B27-07-03	72	80	27	50		3	8	7	0,9	7	
M5004-080-B27-08-03	72	80	27	50		3	8	8	0,9	8	
M5004-088-B27-07-03	80	88	27	50		3	8	7	1,1	7	
M5004-088-B27-08-03	80	88	27	50		3	8	8	1,1	8	
M5004-100-B32-08-03	92	100	32	50		3	8	8	1,6	8	
M5004-100-B32-10-03	92	100	32	50		3	8	10	1,6	10	
M5004-108-B32-08-03	100	108	32	50		3	8	8	1,8	8	
M5004-108-B32-10-03	100	108	32	50		3	8	10	1,8	10	
M5004-125-B40-10-03	117	125	40	63		3	8	10	3,1	10	
M5004-125-B40-12-03	117	125	40	63		3	8	12	3,0	12	

Bodies and assembly parts are included in the scope of delivery

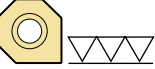


Assembly parts

	D_c [mm]	42–117
	Clamping screw for indexable insert	FS2119 (Torx 15IP)
	Tightening torque	3,0 Nm

Accessories

	D_c [mm]	42–117
	Torque screwdriver, analogue	FS2003
	Tightening torque	1,5–5,0 Nm
		FS2248
	Torque screwdriver, digital	1,0–6,0 Nm
		FS2014 (Torx 15IP)
		FS1485 (Torx 15IP)

Indexable inserts

Designation	r mm	b mm	P					M				K				N		S		H				
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSM45X	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	CN	HC	HW	WSM35S	WSM45X	WSP45S	WSP45G	WHH15
 ODHX0504ZZR-A57		7,2			☺					☺				☺									☺	☺
 ODHT050408-F57	0,8		☺	☺		☺			☺				☺	☺									☺	
ODHW050408-A57	0,8		☺										☺	☺										
ODHW050412-A57	1,2														☺									
ODMT050408-D57	0,8		☺	☺	☺		☺		☺			☺	☺	☺					☺			☺		
ODMW050408-A57	0,8		☺	☺	☺					☺	☺	☺	☺	☺										
ODMW050408T-A27	0,8		☺	☺	☺					☺	☺	☺	☺	☺										
 ODHT0504ZZN-F57	0,8	1,2	☺	☺	☺		☺		☺			☺	☺	☺					☺			☺		
ODHT0504ZZN-G77	0,8	1,6				☺	☺		☺												☺	☺		
ODHT0504ZZN-G88	0,8	1,2													☺	☺								
ODHW0504ZZN-A57	0,8	1,2	☺	☺	☺					☺	☺	☺	☺	☺										
ODMT0504ZZN-D57	0,8	1,2	☺	☺	☺		☺	☺	☺			☺	☺	☺					☺	☺		☺		
ODMT0504ZZN-F57	0,8	1,2	☺	☺	☺		☺	☺	☺			☺	☺	☺					☺	☺		☺		

HC = Coated carbide
 CN = Silicon nitride Si₃N₄
 HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

•• Primary application

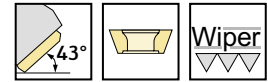
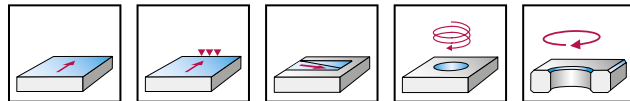
• Other application

Octagon face milling cutters M5004

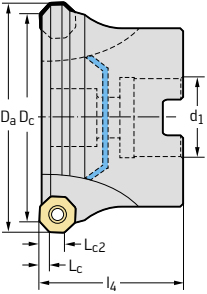
OD .. 0605 ..
Xtra-tec® XT



– Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M5004	●	●	●	●	●	●	●

Tool	Designation	D _c mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	L _{c2} mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M5004-050-B16-03-04	40	50	16	40	4	10	3	0,2	3	OD .. 0605 .. ODHX0605ZZR
	M5004-052-B22-03-04	42	52	22	45	4	10	3	0,3	3	
	M5004-060-B16-03-04	50	60	16	40	4	10	3	0,3	3	
	M5004-063-B22-04-04	53	63	22	40	4	10	4	0,4	4	
	M5004-063-B22-05-04	53	63	22	40	4	10	5	0,3	5	
	M5004-063-B22-06-04	53	63	22	40	4	10	6	0,3	6	
	M5004-066-B27-05-04	56	66	27	50	4	10	5	0,6	5	
	M5004-066-B27-06-04	56	66	27	50	4	10	6	0,6	6	
	M5004-073-B22-05-04	63	73	22	40	4	10	5	0,5	5	
	M5004-073-B22-06-04	63	73	22	40	4	10	6	0,5	6	
	M5004-080-B27-05-04	70	80	27	50	4	10	5	0,8	5	
	M5004-080-B27-06-04	70	80	27	50	4	10	6	0,8	6	
	M5004-080-B27-07-04	70	80	32	50	4	10	7	0,8	7	
	M5004-090-B27-06-04	80	90	27	50	4	10	6	1	6	
	M5004-090-B27-07-04	80	90	27	50	4	10	7	1,0	7	
	M5004-100-B32-07-04	90	100	32	50	4	10	7	1,4	7	
	M5004-100-B32-09-04	90	100	32	50	4	10	9	1,4	9	
	M5004-110-B32-07-04	100	110	32	50	4	10	7	1,6	7	
	M5004-110-B32-09-04	100	110	32	50	4	10	9	1,7	9	
	M5004-125-B40-08-04	115	125	40	63	4	10	8	2,8	8	
M5004-125-B40-10-04	115	125	40	63	4	10	10	2,8	10		
M5004-135-B40-08-04	125	135	40	63	4	10	8	3,2	8		
M5004-135-B40-10-04	125	135	40	63	4	10	10	3,1	10		

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D_c [mm] Clamping screw for indexable insert Tightening torque	40-125 FS1495 (Torx 20IP) 5,0 Nm
--	---	---

Accessories

	D_c [mm] Torque screwdriver, analogue Tightening torque	40-125 FS2003 1,5-5,0 Nm	56 FS2013 (Torx 9IP)
	Torque screwdriver, digital Tightening torque	FS2248 1,0-6,0 Nm	
	Interchangeable blade	FS2015 (Torx 20IP)	
	Screwdriver	FS1486 (Torx 20IP)	

Indexable inserts

Designation	r mm	b mm	P		M				K				N		S		H		
			HC	HC	HC	HC	HC	HC	HC	CN	HC	HW	HC	HC	HC	HC	HC	HC	
ODHX0605ZZR-A57		9,4		☺							☺							☺	☺
ODHT060512-F57	1,2		☺	☺							☺								☺
ODHW060512-A57	1,2		☺								☺								
ODHW060516-A57	1,6											☺							
ODMT060512-D57	1,2		☺	☺		☺				☺	☺								☺
ODMW060508-A57	0,8		☺	☺						☺	☺								
ODMW060508T-A27	0,8		☺	☺						☺	☺								
ODHT0605ZZN-F57	0,8	1,6	☺	☺		☺				☺	☺								☺
ODHT0605ZZN-G77	0,8	1,6																	☺
ODHT0605ZZN-G88	0,8	1,6											☺	☺					
ODHW0605ZZN-A57	0,8	1,6	☺	☺						☺	☺								
ODMT0605ZZN-D57	0,8	1,6	☺	☺		☺				☺	☺								☺
ODMT0605ZZN-F57	0,8	1,6	☺	☺		☺				☺	☺								☺

HC = Coated carbide
 CN = Silicon nitride Si₃N₄
 HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

••
Primary application

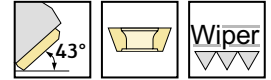
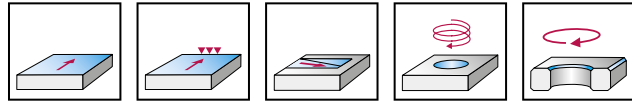
•
Other application

Octagon face milling cutters M5004

OD .. 0605 ..
Xtra-tec® XT

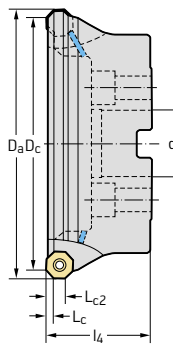


– Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M5004	●	●	●	●	●	●	●

Tool	Designation	D _c mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	L _{c2} mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway	M5004-160-B40-09-04	150	160	40/40 B	63	4	10	9	4,2	9	OD .. 0605 .. ODHX0605ZZR
	M5004-160-B40-11-04	150	160	40/40 B	63	4	10	11	4,2	11	
	M5004-170-B40-09-04	160	170	40/40 B	63	4	10	9	4,7	9	
	M5004-170-B40-11-04	160	170	40/40 B	63	4	10	11	4,7	11	



Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		150–160
	Clamping screw for indexable insert Tightening torque	FS1495 (Torx 20IP) 5,0 Nm

Accessories

D _c [mm]		150–160
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2015 (Torx 20IP)
	Screwdriver	FS1486 (Torx 20IP)

Indexable inserts

Designation	r mm	b mm	P		M				K				N		S		H		
			HC		HC						HC		HC		HC		HC		
		9,4		☺														☺	☺
	1,2		☺	☺															
	1,2		☺																
	1,6												☺						
	1,2		☺	☺															
	0,8		☺	☺															
	0,8		☺	☺															
	0,8	1,6	☺	☺															
	0,8	1,6																	
	0,8	1,6											☺	☺					
	0,8	1,6	☺	☺															
	0,8	1,6	☺	☺															
	0,8	1,6	☺	☺															

HC = Coated carbide
 CN = Silicon nitride Si₃N₄
 HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●●
Primary application

●
Other application

Face milling cutters

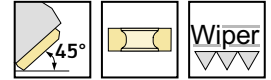
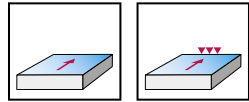
M5009

SNMX090408

Xtra-tec® XT



– Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M5009	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5009-025-T22-03-05	25	T22	35	5	3	0,1	3	SNMX090408 SN . X0904ANN XNGX0904ANN
	M5009-032-T28-04-05	32	T28	40	5	4	0,2	4	
	M5009-032-T28-05-05	32	T28	40	5	5	0,2	5	
	M5009-040-T36-04-05	40	T36	40	5	4	0,4	4	
	M5009-040-T36-06-05	40	T36	40	5	6	0,4	6	
Parallel bore DIN 138 transverse keyway 	M5009-040-B16-04-05	40	16	40	5	4	0,3	4	SNMX090408 SN . X0904ANN XNGX0904ANN
	M5009-040-B16-06-05	40	16	40	5	6	0,3	6	
	M5009-050-B22-06-05	50	22	40	5	6	0,4	6	
	M5009-050-B22-08-05	50	22	40	5	8	0,4	8	
	M5009-063-B22-07-05	63	22	40	5	7	0,6	7	
	M5009-063-B22-09-05	63	22	40	5	9	0,6	9	
	M5009-080-B27-08-05	80	27	50	5	8	1,4	8	
	M5009-080-B27-11-05	80	27	50	5	11	1,4	11	
	M5009-100-B32-09-05	100	32	50	5	9	1,9	9	
M5009-100-B32-13-05	100	32	50	5	13	1,8	13		

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		25–100
	Clamping screw for indexable insert Tightening torque	FS2579 (Torx 8IP) 1,2 Nm

Accessories

D _c [mm]		25–100
	Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2012 (Torx 8IP)
	Screwdriver	FS1483 (Torx 8IP)

Indexable inserts

Designation	r mm	b mm	P			M			K			N		S		H		O						
			HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC							
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WXN15	WSM35S	WSP45S	WSP45G	WHH15	WHH15X	WXM15	
		1,5																						
	SNHX0904ANN-K88																							
	SNGX0904ANN-F57		1,2	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	
	SNMX0904ANN-F57		1,2	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SNMX0904ANN-F27		1,2	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SNGX0904ANN-F67		1,2	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNMX0904ANN-F67		1,2	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	
		0,8	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	
	SNMX090408-F57	0,8	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	
	SNMX090408-F67	0,8	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	
		5									☉										☉	☉	☉	
	XNGX0904ANN-F67										☉										☉	☉	☉	

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

• Other application

Face milling cutters

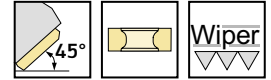
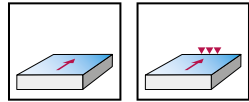
M5009

SN . X1205 ..

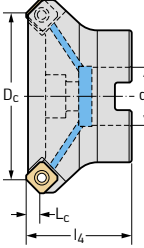
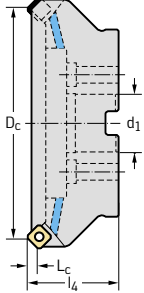
Xtra-tec® XT



– Eight cutting edges per indexable insert




	P	M	K	N	S	H	O
M5009	●	●	●	●	●	●	●


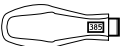

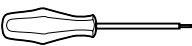

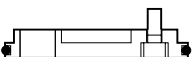

Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	No. of indexable inserts
									Type
Parallel bore DIN 138 transverse keyway 	M5009-050-B22-06-06	50	22	40	6	6	0,4	6	SN . X1205 .. SN . X1205ANN XNGX1205ANN
	M5009-063-B22-08-06	63	22	40	6	8	0,5	8	
	M5009-063-B27-08-06	63	27	50	6	8	0,8	8	
	M5009-080-B27-10-06	80	27	50	6	10	1,1	10	
	M5009-100-B32-12-06	100	32	50	6	12	1,8	12	
Parallel bore DIN 138 transverse keyway 	M5009-125-B40-16-06	125	40	63	6	16	3,3	16	SN . X1205 .. SN . X1205ANN XNGX1205ANN
	M5009-160-B40-20-06	160	40/40 B	63	6	20	5,0	20	

Bodies and assembly parts are included in the scope of delivery




Assembly parts

D _c [mm]	50–160
 Clamping screw for indexable insert Tightening torque	FS1459 (Torx 15IP) 4,0 Nm

Accessories

D _c [mm]	50–125	160
 Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
 Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
 Interchangeable blade	FS2014 (Torx 15IP)	FS2014 (Torx 15IP)
 Screwdriver	FS1485 (Torx 15IP)	FS1485 (Torx 15IP)
 Key for screw for shim	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
 Sealing disc set (incl. gasket and screws)		FS936 COMPLETE SET
 Gasket		O-R 96X4


Indexable inserts


Designation	r mm	b mm	P		M			K				N		S		H		O						
			HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HC							
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WXN15	WSM35S	WSP45S	WSP45G	WHH15	WHH15X	WXM15	
		1,5																						
	SNHX1205ANN-K88																							
	SNGX1205ANN-F57																							
	SNGX1205ANN-F67																							
	SNMX1205ANN-F57																							
	SNMX1205ANN-F67																							
	SNGX1205ANN-F27																							
SNMX1205ANN-F27																								
		1,2																						
	SNMX120512-F57	1,2																						
	SNMX120520-F57	2																						
	SNMX120512-D27	1,2																						
	SNMX120520-D27	2																						
	SNGX120512-F57	1,2																						
	SNMX120512-F67	1,2																						
SNMX120512-F27	1,2																							
	XNGX1205ANN-F67		4,7																					


HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement


Very good


Good


Moderate

●● Primary application

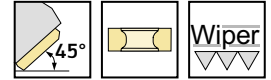
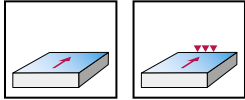
● Other application

Face milling cutters M5009


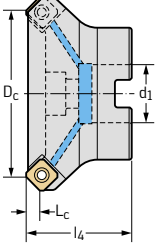
SN . X1205 ..
Xtra-tec® XT



– Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M5009	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5009-040-T36-04-06-AP	40	T36	40	6	4	0,4	4	SN . X1205 .. SN . X1205ANN XNGX1205ANN
Parallel bore DIN 138 transverse keyway 	M5009-050-B22-04-06-AP	50	22	40	6	4	0,4	4	SN . X1205 .. SN . X1205ANN XNGX1205ANN
	M5009-063-B22-06-06-AP	63	22	40	6	6	0,5	6	
	M5009-063-B27-06-06-AP	63	27	50	6	6	0,8	6	
	M5009-080-B27-05-06-AP	80	27	50	6	5	1,2	5	
	M5009-080-B27-07-06-AP	80	27	50	6	7	1,2	7	
	M5009-100-B32-06-06-AP	100	32	50	6	6	1,9	6	
	M5009-100-B32-08-06-AP	100	32	50	6	8	1,8	8	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		40–100
	Shim for indexable insert	AP800-SN1205 H81
	Clamping screw for shim	FS2069 (SW 4)
	Clamping screw for indexable insert Tightening torque	FS2617 (Torx 15IP) 4,0 Nm

Accessories

D _c [mm]		40–100
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)
	Key for screw for shim	ISO2936-4 (SW 4)

Indexable inserts

Designation	r mm	b mm	P			M			K			N		S		H		O					
			HC			HC			HC			HW	HC	HC		HC	HC						
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WXN15	WSM35S	WSP45S	WSP45G	WHH15	WHH15X	WXM15
SNHX1205ANN-K88		1,5												☺	☺								
SNGX1205ANN-F57		1,5	☺	☺	☺		☺	☺		☺	☺	☺	☺			☺		☺					
SNGX1205ANN-F67		1,5	☺	☺	☺		☺	☺		☺	☺	☺	☺			☺		☺					
SNMX1205ANN-F57		1,5	☺	☺	☺					☺	☺	☺	☺										
SNMX1205ANN-F67		1,5	☺	☺	☺					☺	☺	☺	☺										
SNGX1205ANN-F27		1,5	☺	☺	☺						☺	☺	☺										
SNMX1205ANN-F27		1,5	☺	☺	☺						☺	☺	☺										
SNMX120512-F57	1,2		☺	☺	☺		☺	☺		☺	☺	☺	☺			☺		☺					
SNMX120520-F57	2		☺	☺	☺		☺	☺		☺	☺	☺	☺			☺		☺					
SNMX120512-D27	1,2		☺	☺	☺					☺	☺	☺	☺										
SNMX120520-D27	2		☺	☺	☺					☺	☺	☺	☺										
SNGX120512-F57	1,2		☺	☺	☺		☺	☺			☺	☺	☺			☺		☺					
SNMX120512-F67	1,2		☺	☺	☺		☺	☺		☺	☺	☺	☺			☺		☺					
SNMX120512-F27	1,2		☺	☺	☺						☺	☺	☺										
XNGX1205ANN-F67		4,7								☺										☺	☺	☺	

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

●●
Primary application

●
Other application

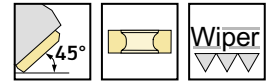
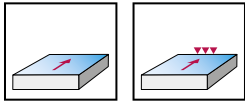
Face milling cutters

M5009

SN . X1205 ..
Xtra-tec® XT

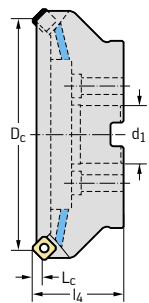


– Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M5009	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	
								Type	
Parallel bore DIN 138 transverse keyway	M5009-125-B40-07-06-AP	125	40	63	6	7	3,5	7	SN . X1205 .. SN : X1205ANN XNGX1205ANN
	M5009-125-B40-10-06-AP	125	40	63	6	10	3,4	10	
	M5009-160-B40-08-06-AP	160	40/40 B	63	6	8	5,2	8	
	M5009-160-B40-12-06-AP	160	40/40 B	63	6	12	5,1	12	



Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		125–160
	Shim for indexable insert	AP800-SN1205 H81
	Clamping screw for shim	FS2069 (SW 4)
	Clamping screw for indexable insert Tightening torque	FS2617 (Torx 15IP) 4,0 Nm

Accessories

D _c [mm]		125	160
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)	FS1485 (Torx 15IP)
	Key for screw for shim	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	Sealing disc set (incl. gasket and screws)	FS936 COMPLETE SET	
	Gasket	O-R 96X4	

Indexable inserts

Designation	r mm	b mm	P		M			K			N		S		H		O							
			HC		HC			HC			HW	HC	HC		HC	HC								
			WKP25S	WKP35G	WKP35S	WSP45S	WSP45G	WSM35S	WSP45S	WSP45G	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WXN15	WSM35S	WSP45S	WSP45G	WHH15	WHH15X	WXM15	
		1,5																						
SNGX1205ANN-F57		1,5	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNGX1205ANN-F67		1,5	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNMX1205ANN-F57		1,5	☉	☉	☉					☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNMX1205ANN-F67		1,5	☉	☉	☉				☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNGX1205ANN-F27		1,5	☉	☉	☉					☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNMX1205ANN-F27		1,5	☉	☉	☉					☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	1,2		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNMX120520-F57	2		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNMX120512-D27	1,2		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNMX120520-D27	2		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNGX120512-F57	1,2		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNMX120512-F67	1,2		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
SNMX120512-F27	1,2		☉	☉	☉					☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
		4,7								☉											☉	☉	☉	☉

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹️
Very good

😊
Good

😐
Moderate

●● Primary application

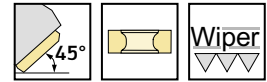
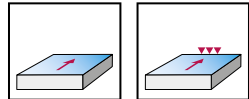
● Other application

Heptagon face milling cutters M3024

XN . U0705 ..
Walter BLAXX



- 14 cutting edges per indexable insert



	P	M	K	N	S	H	O
M3024	●●	●●	●●	●●	●●		

Tool	Designation	D _c mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M3024-040-B16-03-04	40	50	16	40	4	3	0,5	3	XN . U0705 .. XNGX0705ANN
	M3024-050-B22-04-04	50	60	22	40	4	4	0,5	4	
	M3024-050-B22-05-04	50	60	22	40	4	5	0,5	5	
	M3024-063-B22-05-04	63	73	22	40	4	5	0,8	5	
	M3024-063-B22-06-04	63	73	22	40	4	6	0,8	6	
	M3024-080-B27-06-04	80	90	27	50	4	6	1,5	6	
	M3024-080-B27-07-04	80	90	27	50	4	7	1,5	7	
	M3024-100-B32-07-04	100	110	32	50	4	7	2,7	7	
	M3024-100-B32-08-04	100	110	32	50	4	8	2,7	8	
	M3024-125-B40-08-04	125	135	40	63	4	8	4,2	8	
M3024-125-B40-10-04	125	135	40	63	4	10	4,3	10		
Parallel bore DIN 138 transverse keyway 	M3024-160-B40-09-04	160	170	40/40 B	63	4	9	6,5	9	XN . U0705 .. XNGX0705ANN
	M3024-160-B40-12-04	160	170	40/40 B	63	4	12	6,5	12	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		40-160
	Shim for indexable insert	AP800-XN0705 H81
	Clamping screw for shim	FS2068 (SW 3,5)
	Clamping screw for indexable insert Tightening torque	FS2279 (Torx 15IP) 3,0 Nm

Accessories

D _c [mm]		40-125	160
	Torque screwdriver, analogue Tightening torque	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0-6,0 Nm	FS2248 1,0-6,0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)	FS1485 (Torx 15IP)
	Key for screw for shim	ISO2936-3,5 (SW 3,5)	ISO2936-3,5 (SW 3,5)
	Sealing disc set (incl. gasket and screws)		FS936 COMPLETE SET
	Gasket		O-R 96X4

Indexable inserts

Designation	r mm	b mm	P		M				K			N		S			H		O							
			HC		HC						HC		HW	HC	HC		HC		HC							
			WKP 25S	WKP 35G	WKP 35S	WSP 45S	WSP 45G	WSM 35S	WSM 45X	WSP 45S	WSP 45G	WAK 15	WKK 25S	WKP 25S	WKP 35G	WKP 35S	WK 10	WXN 15	WSM 35S	WSM 45X	WSP 45S	WSP 45G	WHH 15	WHH 15X	WXM 15	
XNGU0705ANN-F57	0,8	1,1	☺	☺	☺	☺	☺	☺						☺	☺	☺										
XNGX0705ANN-F67		5,7										☺												☺	☺	☺
XNMU070508-F57	0,8		☺	☺	☺		☺							☺	☺	☺						☺				
XNMU0705ANN-F27	0,8	1,1	☺	☺	☺								☺	☺	☺	☺										
XNMU0705ANN-F57	0,8	1,1	☺	☺	☺								☺	☺	☺	☺						☺				
XNMU0705ANN-F67	0,8	1,1	☺	☺				☺	☺				☺	☺	☺	☺										

XNGX0705ANN-F67 wiper insert only in combination with XNGU0705ANN . .

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

••
Primary application

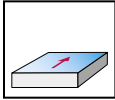
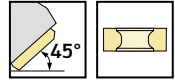
•
Other application

Heptagon face milling cutters M3024

XNMU0906 ..
Walter BLAXX



- 14 cutting edges per indexable insert



	P	M	K	N	S	H	O
M3024	●●	●●	●●	●●	●●		

Tool	Designation	D _c mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M3024-063-B22-05-06	63	76	22	40	6	5	0,6	5	XNMU0906 ..
	M3024-080-B27-06-06	80	93	27	50	6	6	1,4	6	
	M3024-100-B32-07-06	100	113	32	50	6	7	2,7	7	
	M3024-125-B40-08-06	125	138	40	63	6	8	4,2	8	
Parallel bore DIN 138 transverse keyway 	M3024-160-B40-09-06	160	173	40/40 B	63	6	9	6,5	9	XNMU0906 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		63–160
	Shim for indexable insert	AP800-XN0906 H81
	Clamping screw for shim	FS2091 (SW 5)
	Clamping screw for indexable insert Tightening torque	FS2112 (Torx 20IP) 5,0 Nm

Accessories

D _c [mm]		63–125	160
	Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2015 (Torx 20IP)	FS2015 (Torx 20IP)
	Screwdriver	FS1486 (Torx 20IP)	FS1486 (Torx 20IP)
	Key for screw for shim	ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	Sealing disc set (incl. gasket and screws)		FS936 COMPLETE SET
	Gasket		O-R 96X4

Indexable inserts

Designation	r mm	b mm	P		M				K			N		S			
			WC	HC	WC	HC	WC	HC	WC	HC	WC	HC	WC	HC			
XNMU090612-F57	1,2		☺	☺	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
XNMU0906ANN-F27	0,8	1,4	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
XNMU0906ANN-F57	0,8	1,4	☺	☺	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
XNMU0906ANN-F67	0,8	1,4	☺	☺	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

• Other application

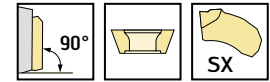
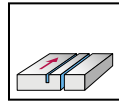
Slitting and slot milling cutters

F5055

Walter BLAXX



– One cutting edge per indexable insert



	P	M	K	N	S	H	O
F5055	●●	●	●●	●●	●		

Tool	Designation	D _c mm	d ₁ mm	SB mm	a _e mm	l ₁₀ mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 longitudinal keyway 	F5055.B16.063.Z05.1,5	63	16	1,5	15	1,2	5	0,05	5	SX-1
	F5055.B16.063.Z05.2,0	63	16	2	15	1,6	5	0,04	5	SX-2
	F5055.B16.063.Z04.3,0	63	16	3	15	2,4	4	0,06	4	SX-3
	F5055.B16.063.Z04.4,0	63	16	4	15	3,4	4	0,07	4	SX-4
	F5055.B16.080.Z07.1,5	80	16	1,5	19	1,2	7	0,06	7	SX-1
	F5055.B16.080.Z07.2,0	80	16	2	19	1,6	7	0,07	7	SX-2
	F5055.B16.080.Z06.3,0	80	16	3	19	2,4	6	0,09	6	SX-3
	F5055.B16.080.Z06.4,0	80	16	4	19	3,4	6	0,12	6	SX-4
	F5055.B22.100.Z09.1,5	100	22	1,5	25	1,2	9	0,10	9	SX-1
	F5055.B22.100.Z09.2,0	100	22	2	25	1,6	9	0,11	9	SX-2
	F5055.B22.100.Z09.3,0	100	22	3	25	2,4	9	0,14	9	SX-3
	F5055.B22.100.Z09.4,0	100	22	4	25	3,4	9	0,18	9	SX-4
	F5055.B32.125.Z11.1,5	125	32	1,5	33	1,2	11	0,15	11	SX-1
	F5055.B32.125.Z11.2,0	125	32	2	33	1,6	11	0,17	11	SX-2
	F5055.B32.125.Z11.3,0	125	32	3	33	2,4	11	0,23	11	SX-3
	F5055.B32.125.Z11.4,0	125	32	4	33	3,4	11	0,29	11	SX-4
	F5055.B40.160.Z14.2,0	160	40	2	38	1,6	14	0,29	14	SX-2
	F5055.B40.160.Z14.3,0	160	40	3	38	2,4	14	0,38	14	SX-3
	F5055.B40.160.Z14.4,0	160	40	4	38	3,4	14	0,5	14	SX-4
	F5055.B40.200.Z19.3,0	200	40	3	58	2,4	19	0,65	19	SX-3
F5055.B40.200.Z19.4,0	200	40	4	58	3,4	19	0,85	19	SX-4	
F5055.B40.250.Z24.3,0	250	40	3	83	2,4	24	1,07	24	SX-3	
F5055.B40.250.Z24.4,0	250	40	4	83	3,4	24	1,39	24	SX-4	
	F5055.B50.500.Z40.5,0	500		5	120		40	8,39	40	SX-5

Values for a_e in combination with drive collar
 For fitting the indexable insert, use the FS1494 or FS2249 mounting wrench

Accessories		D _c [mm]	63	63	80	80	80	100	100	100	125	125	125	160	160	200	250	500	
		SB [mm]	1,5-2	3-4	1,5	2	3-4	1,5	2	3-4	1,5	2	3-4	2	3-4	3-4	3-4	5	
	Drive collar		FS1346	FS2291	FS1347	FS1347	FS2292	FS1348	FS1348	FS1348	FS1349	FS1349	FS1349	FS1350	FS1350	FS1350	FS1350		
	Mounting wrench		FS2249	FS2249	FS2249	FS1494	FS1494	FS2249	FS1494	FS1494	FS2249	FS1494	FS1494	FS1494	FS1494	FS1494	FS1494	FS1494	
	Ergonomic mounting wrench						FS2290			FS2290			FS2290		FS2290	FS2290	FS2290	FS2290	
	Clamping screw for retaining washer Tightening torque																FS966 (SW 5) 8,0 Nm	FS966 (SW 5) 8,0 Nm	
	Retaining washer instead of drive collar																FS1351	FS1352	
	Key for clamping screw																	ISO2936-5 (SW 5)	ISO2936-5 (SW 5)

Drive collars and retaining washers should always be ordered in pairs.
Clamping screws for retaining washers are included in the scope of delivery.

Cutting inserts

Designation	s mm	r mm	P								M					K			N			S							
			HC				HC				HC					HC			HW			HC							
			WKP23S	WKP25S	WSM33S	WKP35S	WSM43S	WSP45S	WSP45G	WSM23S	WSM33S	WSM35S	WSM43S	WSP45S	WSP45G	WAK15	WKP23S	WKK25S	WKP25S	WKP35S	WXN15	WK10	WK1	WSM23S	WSM33S	WSM35S	WSM43S	WSP45S	WSP45G
SX-5E500L6-CE4	5	0,4								☉	☉	☉												☉	☉	☉			
SX-2E200N02-CE4	2	0,2	☉		☉	☉				☉	☉	☉	☉				☉							☉	☉	☉	☉		
SX-3E300N02-CE4	3	0,2	☉		☉	☉				☉	☉	☉	☉				☉							☉	☉	☉	☉		
SX-1E150N01-CE4	1,5	0,15			☉	☉				☉	☉	☉												☉	☉	☉			
SX-4E400N02-CE4	4	0,2	☉		☉	☉				☉	☉	☉	☉				☉							☉	☉	☉	☉		
SX-5E500N04-CE4	5	0,4	☉		☉	☉				☉	☉	☉	☉				☉							☉	☉	☉	☉		
SX-2E200N02-SF5	2	0,2			☉	☉				☉	☉	☉	☉											☉	☉	☉	☉		
SX-3E300N02-SF5	3	0,2			☉	☉				☉	☉	☉	☉											☉	☉	☉	☉		
SX-1E150N01-SF5	1,5	0,15			☉	☉				☉	☉	☉												☉	☉	☉			
SX-4E400N02-SF5	4	0,2			☉	☉				☉	☉	☉	☉											☉	☉	☉	☉		
SX-5E500N04-SF5	5	0,4			☉	☉				☉	☉	☉	☉											☉	☉	☉	☉		
SX-2E200N02-SK8	2	0,2																					☉	☉					
SX-3E300N02-SK8	3	0,2																					☉	☉					
SX-1E150N01-SK8	1,5	0,1																					☉	☉					
SX-4E400N02-SK8	4	0,2																					☉	☉					
SX-5E500N04-SK8	5	0,4																					☉	☉					
SX-5E500R6-CE4	5	0,4								☉														☉					

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺ Very good ☹ Good ☹ Moderate

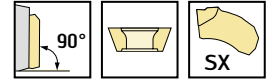
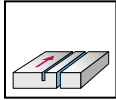
•• Primary application
• Other application

Slitting and slot milling cutters F5055

Walter BLAXX

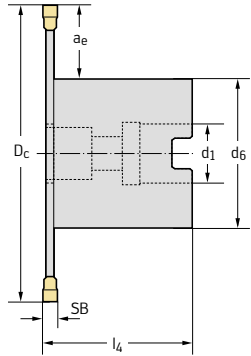


– One cutting edge per indexable insert



	P	M	K	N	S	H	O
F5055	●	●	●	●	●		

Tool	Designation	D _c mm	d ₁ mm	d ₆ mm	l ₄ mm	SB mm	a _e mm	Z	kg	No. of indexable inserts	Type	
Parallel bore DIN 138 transverse keyway	F5055.BN16.063.Z04.3,0R	63	16	35	40	3	15	4	0,03	4	SX-3	
	F5055.BN16.080.Z06.3,0R	80	16	40	40	3	19	6	0,06	6		
	F5055.BN22.100.Z09.3,0R	100	22	48	40	3	25	9	0,62	9		
	F5055.BN32.125.Z11.3,0R	125	32	58	50	3	33	11	1	11		
	F5055.BN40.160.Z14.3,0R	160	40	80	63	3	38	14	0,25	14		
	F5055.BN16.063.Z04.4,0R	63	16	35	41	4	15	4	0,05	4		SX-4
	F5055.BN16.080.Z06.4,0R	80	16	40	41	4	19	6	0,46	6		
	F5055.BN22.100.Z09.4,0R	100	22	48	41	4	25	9	0,14	9		
	F5055.BN32.125.Z11.4,0R	125	32	58	51	4	33	11	1,07	11		
	F5055.BN40.160.Z14.4,0R	160	40	80	64	4	38	14	0,40	14		



For fitting the indexable insert, use the FS1494 or FS2249 mounting wrench
Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type D _c [mm]	SX-3/SX-4 63	SX-3/SX-4 80	SX-3/SX-4 100	SX-3/SX-4 125	SX-3/SX-4 160
	Bore adaption unit		AA704-B16-G16-040-A	AA704-B16-G16-040-B	AA704-B22-G22-040-B	AA704-B32-G32-050-B	AA704-B40-G40-063-B

Accessories		Type D _c [mm]	SX-3/SX-4 63	SX-3/SX-4 80-100	SX-3/SX-4 125	SX-3/SX-4 160
	Clamping screw for adaptor		FS938 (SW 6)	FS938 (SW 6)	FS938 (SW 6)	FS938 (SW 6)
	Clamping screw for milling cutter		FS2270 (Torx 15IP)	FS2270 (Torx 15IP)	FS2271 (Torx 20IP)	FS2272 (Torx 30IP)
	Tightening torque		6,5 Nm	6,5 Nm	7 Nm	8 Nm
	Mounting wrench for cutting insert		FS2249	FS1494	FS1494	FS1494
	Ergonomic mounting wrench			FS2290	FS2290	FS2290
	Adaptor clamping screw Allen key		ISO2936-6 (SW 6)	ISO2936-6 (SW 6)	ISO2936-6 (SW 6)	ISO2936-6 (SW 6)
	Torque T-handle		FS2041	FS2041	FS2041	FS2041
	Tightening torque		4,5-14 Nm	4,5-14 Nm	4,5-14 Nm	4,5-14 Nm
	Interchangeable blade		FS2047 (Torx 15IP)	FS2047 (Torx 15IP)	FS2048 (Torx 20IP)	FS2046 (Torx 30)
	Screwdriver		FS1485 (Torx 15IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)	FS1175 (Torx 30)

Cutting inserts		s mm	r mm	P								M					K			N			S					
				HC								HC					HC			HW			HC					
				WKP23S	WKP25S	WSM33S	WKP35S	WSM43S	WSP45S	WSP45G	WSM23S	WSM33S	WSM35S	WSM43S	WSP45S	WSP45G	WAK15	WKP23S	WKK25S	WKP25S	WKP35S	WXN15	WK10	WK1	WSM23S	WSM33S	WSM35S	WSM43S
	Designation																											
	SX-3E300N02-CE4	3	0,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺		☺							☺	☺	☺	☺	☺		
	SX-4E400N02-CE4	4	0,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺		☺							☺	☺	☺	☺	☺		
	SX-3E300N02-SF5	3	0,2		☺	☺	☺	☺	☺	☺	☺	☺	☺										☺	☺	☺	☺	☺	
	SX-4E400N02-SF5	4	0,2		☺	☺	☺	☺	☺	☺	☺	☺	☺										☺	☺	☺	☺	☺	
	SX-3E300N02-SK8	3	0,2																			☺						
	SX-4E400N02-SK8	4	0,2																			☺						

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

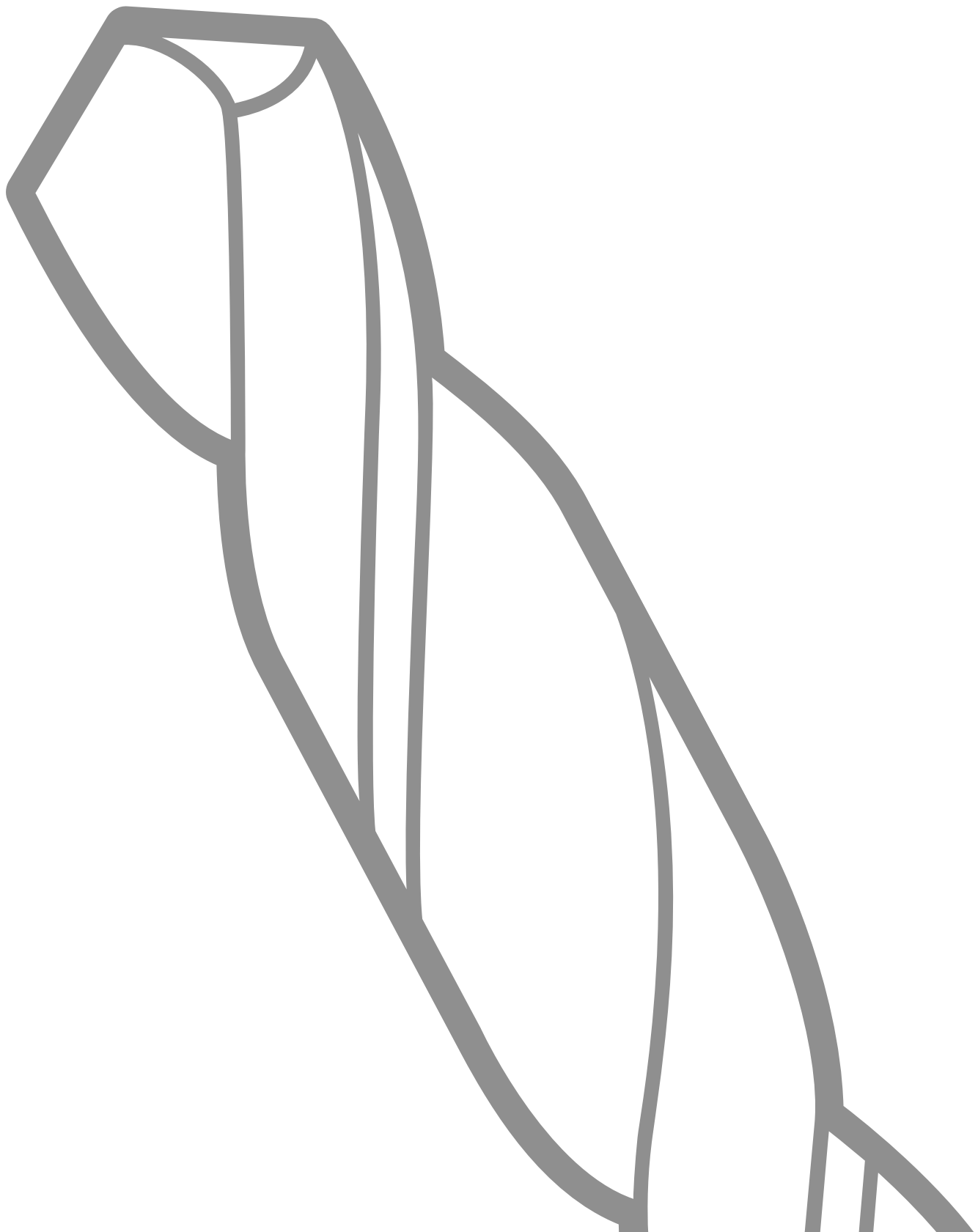
☺
Good

☺
Moderate

•• Primary application

• Other application

WALTER DRILLING AND REAMING TOOLS



		Page
Solid carbide drilling and reaming tools	The benefits of Walter drilling and reaming tools	186
	Product range overview	188
	Walter Select – Solid carbide drilling and reaming tools	190
	Solid carbide drills – with internal coolant	196
	Solid carbide twist drills	267
Drilling tools with indexable inserts	Product range overview	295
	Walter Select – Drilling tools with indexable inserts	296
	Indexable insert drills	300
	Indexable insert drills	316



IT'S WHAT'S ON THE INSIDE THAT COUNTS

EXTRAORDINARY PRECISION.

Bores play a crucial role in mould and die making – when mounting and even more so for cooling, or rather for “temperature control”, of the material. In holmaking, producing the channels for heating or cooling is even the primary application, especially when producing injection moulds. This is because controlling the temperature of the plastic is the only way to maintain its flow properties – and therefore its mouldability.

If the channels are extended further away from the mould profile, this results in a greater mass to be temperature-controlled; and more time and energy will be required to achieve the required temperature. Ideally, the bores should therefore run as close as possible to the mould to be cast. The drills must therefore not “run” or “wander”, because otherwise the mould can be irreparably damaged.

Cross holes represent another common challenge in mould making. They result, among other things, from the fact that only a limited number of coolant connections can be fitted to the mould. The channels therefore have to be connected. Since the drill cutting edges are not completely engaged at these “intersections”, displacement forces are produced that are difficult to handle.

THE BENEFITS OF WALTER DRILLING AND REAMING TOOLS

Solid carbide drills:

Versatility due to wide range of drills: All commercially available shank versions; dimensions of up to $35 \times D_c$ as standard.

Innovative drill geometries and cooling concepts ensure maximum tool life and cost-efficiency.

Lands located far to the front optimise the drilling quality on the component due to improved drill guidance.

Solid carbide drills such as the DC170 Supreme are suitable for any material and ensure maximum protection against breakage due to maximum carbide mass behind the cutting edge.

Regrinding up to three times in Walter Reconditioning Centres reduces costs and maximises tool life.

Indexable insert drills:

Indexable insert drills are the first choice for large diameters – and where solid carbide drills are not suitable, either due to their technology or costs.

For medium diameters, indexable insert drills, which have two cutting edges, can achieve 100% more performance compared to drills with just one.

High cost efficiency by replacing the indexable inserts instead of replacing the entire drill.

Drill specification and easy changeover to new materials through a wide range of inserts.

Product range overview – Solid carbide drilling and reaming tools

Solid carbide drills – with internal coolant

Machining									
Drilling depth	3 x D _c			5 x D _c				8 x D _c	
Designation	DC170 Supreme	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme	DC170 Supreme	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme	DC170 Supreme
Standard	DIN 6537 K	DIN 6537 K	DIN 6537 K	Walter	DIN 6537 L	DIN 6537 L	DIN 6537 L	Walter	Walter
Dia. range [mm]	3–20	3–20	3–20	0,7–2,95	3–20	3–25	3–20	0,7–2,95	3–20

Machining									
Drilling depth	8 x D _c		12 x D _c				16 x D _c		20 x D _c
Designation	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme	DC170 Supreme	DC160 Advance X-treme Evo	DC150 Perform	DC170 Supreme	DC160 Advance X-treme Evo	DC170 Supreme
Standard	Walter	Walter	Walter	Walter	Walter	Walter	Walter	Walter	Walter
Dia. range [mm]	3–20	3–20	0,7–2,9	3–20	3–20	3–20	3–16	3–16	3–16

Machining					
Drilling depth	20 x D _c	25 x D _c		30 x D _c	
Designation	DC160 Advance X-treme Evo	DC170 Supreme	DC160 Advance X-treme Evo	DC170 Supreme	DC160 Advance X-treme Evo
Standard	Walter	Walter	Walter	Walter	Walter
Dia. range [mm]	3–16	3–12	3–12	3–12	3–12

Product range overview – Solid carbide drilling and reaming tools

Solid carbide drills – without internal coolant

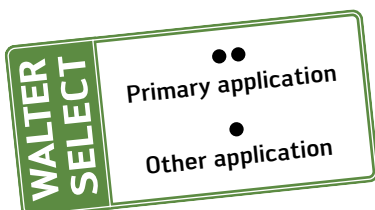
Machining							
Drilling depth	3 x D _c			5 x D _c			8 x D _c
Designation	DC160 Advance X-treme Evo	DC150 Perform	DC150 Perform	DB133 Supreme	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme
Standard	DIN 6537 K	DIN 6539	DIN 6537 K	Walter	DIN 6537 L	DIN 6537 L	Walter
Dia. range [mm]	3–20	1,5–2,9	3–20	0,5–2,95	3–25	3–20	0,5–2,95

Walter Select solid carbide drilling and reaming tools

Solid carbide drills – with internal coolant

Machining						
Drilling depth	3 x D _c		3 x D _c	5 x D _c	5 x D _c	
Designation	DC170 Supreme	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme	DC170 Supreme	
Standard	DIN 6537 K	DIN 6537 K	DIN 6537 K	Walter	DIN 6537 L	
Coating/grade	WJ30EJ	WJ30ET	WJ30RE	WJ30EL	WJ30EJ	
Shank	DIN 6535 HA	DIN 1835 Form B, turned 90° DIN 6535 Form HE DIN 6535 HA	DIN 6535 HA DIN 6535 HE, turned 180° DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	
Dia. range [mm]	3–20	3–20	3–20	0,7–2,95	3–20	
P Steel	••	••	••	••	••	
M Stainless steel		•	•	••		
K Cast iron	••	••	••	••	••	
N NF metals		••	••	••		
S Materials with difficult cutting properties		••	••	•		
H Hard materials	•	•	•	•	•	
O Other		•	•	•		

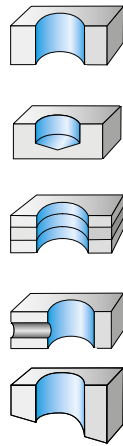
	5 x D _c	5 x D _c	8 x D _c	8 x D _c		8 x D _c	12 x D _c	
	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme	DC170 Supreme	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme	
	DIN 6537 L	DIN 6537 L	Walter	Walter	Walter	Walter	Walter	
	WJ30ET	WJ30RE	WJ30EL / WJ30ER	WJ30EJ	WJ30ET	WJ30TA	WJ30EL / WJ30ER	
	DIN 1835 Form B, turned 90° DIN 6535 Form HE DIN 6535 HA	DIN 6535 HA DIN 6535 HE, turned 180° DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	
	3–25	3–20	0,7–2,95	3–20	3–20	3–20	0,7–2,9	
	••	••	••	••	••	••	••	
	•	•	••		•	•	••	
	••	••	••	••	••	••	••	
	••	••	••		••	••	••	
	••	••	•		••	••	•	
	•	•	•	•	•	•	•	
	•	•	•		•	•	•	



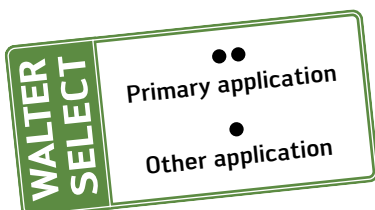
Walter Select solid carbide drilling and reaming tools

Solid carbide drills – with internal coolant

Machining					
Drilling depth	12 x D _c			16 x D _c	
Designation	DC170 Supreme	DC160 Advance X-treme Evo	DC150 Perform	DC170 Supreme	DC160 Advance X-treme Evo
Standard	Walter	Walter	Walter	Walter	Walter
Coating/grade	WJ30EJ	WJ30EU	WJ30TA	WJ30EJ	WJ30EU
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Dia. range [mm]	3–20	3–20	3–20	3–16	3–16
P Steel	●●	●●	●●	●●	●●
M Stainless steel		●	●		●
K Cast iron	●●	●●	●●	●●	●●
N NF metals		●●	●●		●●
S Materials with difficult cutting properties		●●	●●		●●
H Hard materials	●	●	●●	●	●
O Other		●	●		●



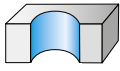
	20 x D _c		25 x D _c		30 x D _c	
	DC170 Supreme	DC160 Advance X-treme Evo	DC170 Supreme	DC160 Advance X-treme Evo	DC170 Supreme	DC160 Advance X-treme Evo
	Walter	Walter	Walter	Walter	Walter	Walter
	WJ30EJ	WJ30EU	WJ30EJ	WJ30EU	WJ30EJ	WJ30EU
	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	3-16	3-16	3-12	3-12	3-12	3-12
	••	••	••	••	••	••
		•		•		•
	••	••	••	••	••	••
		••		••		••
		••		••		••
	•	•	•	•	•	•
		•		•		•



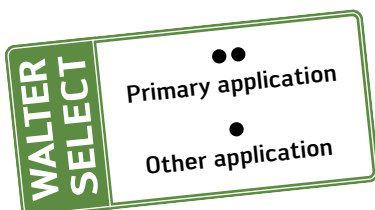
Walter Select solid carbide drilling and reaming tools

Solid carbide drills – without internal coolant

Machining					
Drilling depth	3 x D _c	3 x D _c		5 x D _c	5 x D _c
Designation	DC160 Advance X-treme Evo	DC150 Perform	DC150 Perform	DB133 Supreme	DC160 Advance X-treme Evo
Standard	DIN 6537 K	DIN 6539	DIN 6537 K	Walter	DIN 6537 L
Coating/grade	WJ30ET	WJ30RE	WJ30RE	WJ30EL	WJ30ET
Shank	DIN 1835 Form B, turned 90° DIN 6535 Form HE DIN 6535 HA	DIN 6535 HA	DIN 6535 HA DIN 6535 HE, turned 180° DIN 6535 HB	DIN 6535 HA	DIN 1835 Form B, turned 90° DIN 6535 Form HE DIN 6535 HA
Dia. range [mm]	3–20	1,5–2,9	3–20	0,5–2,95	3–25
P Steel	••	••	••	••	••
M Stainless steel		•	•		
K Cast iron	••	••	••	••	••
N NF metals	•	•	•	••	•
S Materials with difficult cutting properties	•	•	•	•	•
H Hard materials	•	•	•	•	•
O Other	•	•	•	•	•

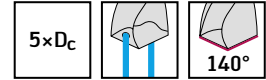
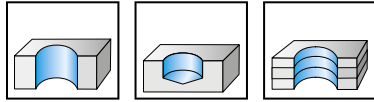


	5 x D _c	8 x D _c
	DC150 Perform	DB133 Supreme
	DIN 6537 L	Walter
	WJ30TA	WJ30ER
	DIN 6535 HA	DIN 6535 HA
	3–20	0,5–2,95
	••	••
	•	
	••	••
	•	••
	•	•
	•	•
	•	•



Solid carbide micro drills with internal coolant

DB133 Supreme



	P	M	K	N	S	H	O
WJ30EL	●	●	●	●	●	●	●

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
Shank DIN 6535 HA	DB133-05-00.700A1-	0,7		4,9	48	6	35	3	●
	DB133-05-00.750A1-	0,75		5,8	48	7	34	3	●
	DB133-05-00.794A1-	0,794	1/32"	5,8	48	7	34	3	●
	DB133-05-00.800A1-	0,8		5,8	48	7	34	3	●
	DB133-05-00.850A1-	0,85		6,6	50	8	35	3	●
	DB133-05-00.900A1-	0,9		6,6	50	8	35	3	●
	DB133-05-00.950A1-	0,95		7,5	50	9	34	3	●
	DB133-05-01.000A1-	1		7,5	50	9	34	3	●
	DB133-05-01.050A1-	1,05		7	51	9	36	3	●
	DB133-05-01.100A1-	1,1		7	51	9	36	3	●
	DB133-05-01.150A1-	1,15		8	51	10	35	3	●
	DB133-05-01.191A1-	1,191	3/64"	8	51	10	35	3	●
	DB133-05-01.200A1-	1,2		8	51	10	35	3	●
	DB133-05-01.250A1-	1,25		9	51	11	34	3	●
	DB133-05-01.300A1-	1,3		9	53	11	36	3	●
	DB133-05-01.350A1-	1,35		9	53	12	35	3	●
	DB133-05-01.400A1-	1,4		9	53	12	35	3	●
	DB133-05-01.450A1-	1,45		10	53	13	34	3	●
	DB133-05-01.500A1-	1,5		10	53	13	34	3	●
	DB133-05-01.550A1-	1,55		11	54	14	35	3	●
	DB133-05-01.588A1-	1,588	1/16"	11	54	14	35	3	●
	DB133-05-01.600A1-	1,6		11	54	14	35	3	●
	DB133-05-01.650A1-	1,65		11	54	14	35	3	●
	DB133-05-01.700A1-	1,7		11	54	14	35	3	●
	DB133-05-01.750A1-	1,75		12	54	15	34	3	●
	DB133-05-01.800A1-	1,8		12	54	15	34	3	●
	DB133-05-01.850A1-	1,85		13	57	16	36	3	●
	DB133-05-01.900A1-	1,9		13	57	16	36	3	●
	DB133-05-01.950A1-	1,95		14	57	17	35	3	●
	DB133-05-01.984A1-	1,984	5/64"	14	57	17	35	3	●
	DB133-05-02.000A1-	2		14	57	17	35	3	●
	DB133-05-02.050A1-	2,05		14	57	18	35	3	●
	DB133-05-02.100A1-	2,1		14	57	18	35	3	●
	DB133-05-02.150A1-	2,15		15	57	19	34	3	●
DB133-05-02.200A1-	2,2		15	57	19	34	3	●	
DB133-05-02.250A1-	2,25		16	59	20	35	3	●	
DB133-05-02.300A1-	2,3		16	59	20	35	3	●	
DB133-05-02.350A1-	2,35		16	59	20	35	3	●	
DB133-05-02.381A1-	2,381	3/32"	16	59	20	35	3	●	
DB133-05-02.400A1-	2,4		16	59	20	35	3	●	
DB133-05-02.450A1-	2,45		17	59	21	34	3	●	
DB133-05-02.500A1-	2,5		17	59	21	34	3	●	
DB133-05-02.550A1-	2,55		18	62	22	36	3	●	
DB133-05-02.600A1-	2,6		18	62	22	36	3	●	
DB133-05-02.650A1-	2,65		18	62	23	36	3	●	
DB133-05-02.700A1-	2,7		18	62	23	36	3	●	
DB133-05-02.750A1-	2,75		19	62	24	35	3	●	

Ordering example for the WJ30EL grade: DB133-05-00.700A1-WJ30EL

Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No..	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
	Shank DIN 6535 HA	2,778	7/64"	19	62	24	35	3	☺
	DB133-05-02.778A1-	2,8		19	62	24	35	3	☺
	DB133-05-02.800A1-	2,85		20	62	25	34	3	☺
	DB133-05-02.850A1-	2,9		20	62	25	34	3	☺
	DB133-05-02.900A1-	2,95		20	62	25	34	3	☺

Ordering example for the WJ30EL grade: DB133-05-00.700A1-WJ30EL

WALTER
SELECT

Best tool for

Good

Average

Poor

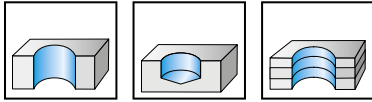
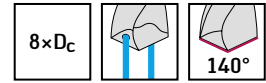
machining conditions

••
Primary
application

•
Other
application

Solid carbide micro drills with internal coolant

DB133 Supreme

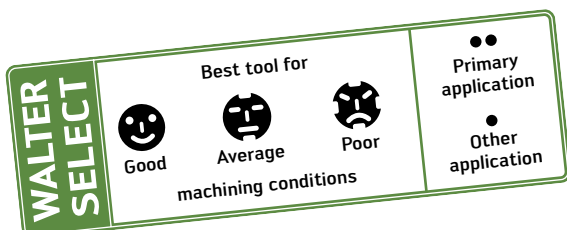


	P	M	K	N	S	H	O
WJ30EL							
WJ30ER	●	●	●	●	●	●	●

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL	WJ30ER
Shank DIN 6535 HA 	DB133-08-00.700A1-	0,7		6,9	50	8	35	3		●
	DB133-08-00.750A1-	0,75		7,8	50	9	34	3		●
	DB133-08-00.794A1-	0,794	1/32"	7,8	50	9	34	3		●
	DB133-08-00.800A1-	0,8		7,8	50	9	34	3		●
	DB133-08-00.850A1-	0,85		8,6	53	10	36	3		●
	DB133-08-00.900A1-	0,9		8,6	53	10	36	3		●
	DB133-08-00.950A1-	0,95		10,5	53	12	34	3		●
	DB133-08-01.000A1-	1		10,5	53	12	34	3		●
	DB133-08-01.050A1-	1,05		11	54	13	35	3		●
	DB133-08-01.100A1-	1,1		11	54	13	35	3		●
	DB133-08-01.150A1-	1,15		12	54	14	34	3		●
	DB133-08-01.191A1-	1,191	3/64"	12	54	14	34	3		●
	DB133-08-01.200A1-	1,2		12	54	14	34	3		●
	DB133-08-01.250A1-	1,25		12	54	14	34	3		●
	DB133-08-01.300A1-	1,3		13	57	15	36	3		●
	DB133-08-01.350A1-	1,35		13	57	16	35	3		●
	DB133-08-01.400A1-	1,4		13	57	16	35	3		●
	DB133-08-01.450A1-	1,45		14	57	17	34	3		●
	DB133-08-01.500A1-	1,5		14	57	17	34	3		●
	DB133-08-01.550A1-	1,55		15	60	18	37	3		●
	DB133-08-01.588A1-	1,588	1/16"	15	60	18	37	3		●
	DB133-08-01.600A1-	1,6		15	60	18	37	3		●
	DB133-08-01.650A1-	1,65		17	60	20	35	3		●
	DB133-08-01.700A1-	1,7		17	60	20	35	3		●
	DB133-08-01.750A1-	1,75		18	60	21	34	3		●
	DB133-08-01.800A1-	1,8		18	60	21	34	3		●
	DB133-08-01.820A1-	1,82		19	63	22	36	3		●
	DB133-08-01.850A1-	1,85		19	63	22	36	3		●
	DB133-08-01.900A1-	1,9		19	63	22	36	3		●
	DB133-08-01.950A1-	1,95		20	63	23	35	3		●
	DB133-08-01.984A1-	1,984	5/64"	20	63	23	35	3		●
	DB133-08-02.000A1-WJ30ER	2		20	63	23	35	3		
	DB133-08-02.050A1-WJ30ER	2,05		20	63	24	35	3		
	DB133-08-02.100A1-WJ30ER	2,1		20	63	24	35	3		
	DB133-08-02.150A1-WJ30ER	2,15		21	63	25	34	3		
	DB133-08-02.200A1-WJ30ER	2,2		21	63	25	34	3		
	DB133-08-02.250A1-WJ30ER	2,25		22	67	26	37	3		
	DB133-08-02.300A1-WJ30ER	2,3		22	67	26	37	3		
	DB133-08-02.350A1-WJ30ER	2,35		24	67	28	35	3		
	DB133-08-02.381A1-WJ30ER	2,381	3/32"	24	67	28	35	3		
	DB133-08-02.400A1-WJ30ER	2,4		24	67	28	35	3		
	DB133-08-02.450A1-WJ30ER	2,45		25	67	29	34	3		
	DB133-08-02.500A1-WJ30ER	2,5		25	67	29	34	3		

Ordering example for the WJ30ER grade: DB133-08-00.700A1-WJ30ER

Continued

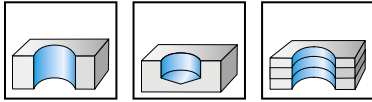
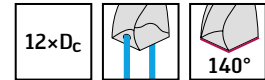


Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL	WJ30ER
	Shank DIN 6535 HA									
	DB133-08-02.550A1-WJ30ER	2,55		26	71	30	37	3		
	DB133-08-02.600A1-WJ30ER	2,6		26	71	30	37	3		
	DB133-08-02.650A1-WJ30ER	2,65		26	71	31	37	3		
	DB133-08-02.700A1-WJ30ER	2,7		26	71	31	37	3		
	DB133-08-02.750A1-WJ30ER	2,75		27	71	32	36	3		
	DB133-08-02.778A1-WJ30ER	2,778	7/64"	27	71	32	36	3		
	DB133-08-02.800A1-WJ30ER	2,8		27	71	32	36	3		
	DB133-08-02.850A1-WJ30ER	2,85		28	71	33	35	3		
	DB133-08-02.900A1-WJ30ER	2,9		28	71	33	35	3		
DB133-08-02.950A1-WJ30ER	2,95		29	71	34	34	3			

Ordering example for the WJ30ER grade: DB133-08-00.700A1-WJ30ER

Solid carbide micro drills with internal coolant DB133 Supreme

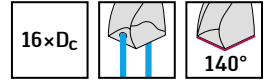
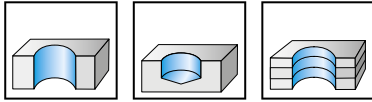


	P	M	K	N	S	H	O
WJ30EL							
WJ30ER	●	●	●	●	●	●	●

Shank DIN 6535 HA	Designation	D _c	D _c	L _c	l ₁	l ₂	l ₅	d ₁	WJ30EL	WJ30ER
		h7	Inch/No.	mm	mm	mm	mm	h6	mm	
	DB133-12-00.700A1-	0,7		9,9	53	11	35	3		●
	DB133-12-00.750A1-	0,75		10,8	53	12	34	3		●
	DB133-12-00.794A1-	0,794	1/32"	10,8	53	12	34	3		●
	DB133-12-00.800A1-	0,8		10,8	53	12	34	3		●
	DB133-12-00.850A1-	0,85		12,6	57	14	36	3		●
	DB133-12-00.900A1-	0,9		12,6	57	14	36	3		●
	DB133-12-00.950A1-	0,95		14,5	57	16	34	3		●
	DB133-12-01.000A1-	1		14,5	57	16	34	3		●
	DB133-12-01.050A1-	1,05		15	59	17	36	3		●
	DB133-12-01.100A1-	1,1		15	59	17	36	3		●
	DB133-12-01.150A1-	1,15		17	59	19	34	3		●
	DB133-12-01.191A1-	1,191	3/64"	17	59	19	34	3		●
	DB133-12-01.200A1-	1,2		17	59	19	34	3		●
	DB133-12-01.250A1-	1,25		17	59	19	34	3		●
	DB133-12-01.300A1-	1,3		18	63	20	37	3		●
	DB133-12-01.350A1-	1,35		19	63	22	35	3		●
	DB133-12-01.400A1-	1,4		19	63	22	35	3		●
	DB133-12-01.450A1-	1,45		20	63	23	34	3		●
	DB133-12-01.500A1-	1,5		20	63	23	34	3		●
	DB133-12-01.550A1-	1,55		22	67	25	37	3		●
	DB133-12-01.588A1-	1,588	1/16"	22	67	25	37	3		●
	DB133-12-01.600A1-	1,6		22	67	25	37	3		●
	DB133-12-01.650A1-	1,65		23	67	26	36	3		●
	DB133-12-01.700A1-	1,7		23	67	26	36	3		●
	DB133-12-01.750A1-	1,75		25	67	28	34	3		●
	DB133-12-01.800A1-	1,8		25	67	28	34	3		●
	DB133-12-01.850A1-	1,85		26	72	29	38	3		●
	DB133-12-01.900A1-	1,9		26	72	29	38	3		●
	DB133-12-01.950A1-	1,95		28	72	31	36	3		●
	DB133-12-01.984A1-	1,984	5/64"	28	72	31	36	3		●
	DB133-12-02.000A1-WJ30ER	2		28	72	31	36	3		
	DB133-12-02.100A1-WJ30ER	2,1		29	72	33	35	3		
	DB133-12-02.200A1-WJ30ER	2,2		30	72	34	34	3		
	DB133-12-02.300A1-WJ30ER	2,3		32	77	36	37	3		
	DB133-12-02.381A1-WJ30ER	2,381	3/32"	33	77	37	36	3		
	DB133-12-02.400A1-WJ30ER	2,4		33	77	37	36	3		
	DB133-12-02.500A1-WJ30ER	2,5		35	77	39	34	3		
	DB133-12-02.600A1-WJ30ER	2,6		36	83	40	39	3		
	DB133-12-02.700A1-WJ30ER	2,7		37	83	42	38	3		
	DB133-12-02.778A1-WJ30ER	2,778	7/64"	38	83	43	37	3		
	DB133-12-02.800A1-WJ30ER	2,8		38	83	43	37	3		
	DB133-12-02.900A1-WJ30ER	2,9		40	83	45	35	3		

Ordering example for the WJ30ER grade: DB133-12-00.700A1-WJ30ER

Solid carbide micro drills with internal coolant DB133 Supreme

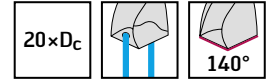
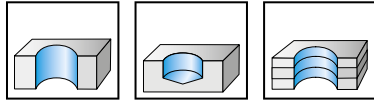


	P	M	K	N	S	H	O
WJ30EL							

	Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
Shank DIN 6535 HA 	DB133-16-02.000A1-WJ30ER	2		36	81	39	37	3	
	DB133-16-02.100A1-WJ30ER	2,1		37	81	41	36	3	
	DB133-16-02.200A1-WJ30ER	2,2		39	81	43	34	3	
	DB133-16-02.300A1-WJ30ER	2,3		41	87	45	38	3	
	DB133-16-02.381A1-WJ30ER	2,381	3/32"	43	87	47	36	3	
	DB133-16-02.400A1-WJ30ER	2,4		43	87	47	36	3	
	DB133-16-02.500A1-WJ30ER	2,5		45	87	49	34	3	
	DB133-16-02.600A1-WJ30ER	2,6		47	95	51	40	3	
	DB133-16-02.700A1-WJ30ER	2,7		48	95	53	39	3	
	DB133-16-02.778A1-WJ30ER	2,778	7/64"	50	95	55	37	3	
	DB133-16-02.800A1-WJ30ER	2,8		50	95	55	37	3	
	DB133-16-02.900A1-WJ30ER	2,9		52	95	57	35	3	

Ordering example for the WJ30EL grade: DB133-16-02.000A1-WJ30EL

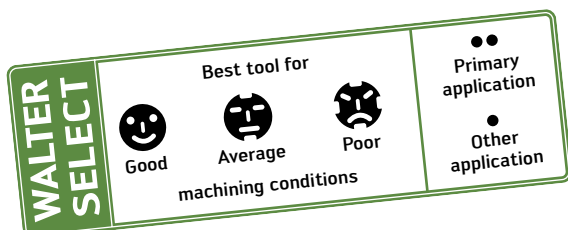
Solid carbide micro drills with internal coolant DB133 Supreme



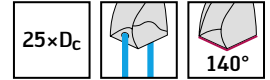
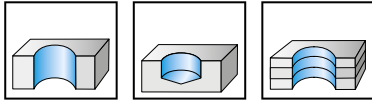
	P	M	K	N	S	H	O
WJ30EL							

	Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
Shank DIN 6535 HA 	DB133-20-02.000A1-WJ30ER	2		44	90	47	38	3	
	DB133-20-02.100A1-WJ30ER	2,1		45	90	49	37	3	
	DB133-20-02.200A1-WJ30ER	2,2		48	90	52	34	3	
	DB133-20-02.300A1-WJ30ER	2,3		50	97	54	39	3	
	DB133-20-02.381A1-WJ30ER	2,381	3/32"	52	97	56	37	3	
	DB133-20-02.400A1-WJ30ER	2,4		52	97	56	37	3	
	DB133-20-02.500A1-WJ30ER	2,5		55	97	59	34	3	
	DB133-20-02.600A1-WJ30ER	2,6		57	107	61	42	3	
	DB133-20-02.700A1-WJ30ER	2,7		58	107	63	41	3	
	DB133-20-02.778A1-WJ30ER	2,778	7/64"	61	107	66	38	3	
	DB133-20-02.800A1-WJ30ER	2,8		61	107	66	38	3	
	DB133-20-02.900A1-WJ30ER	2,9		63	107	68	36	3	

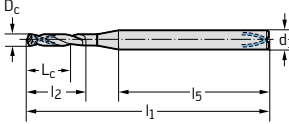
Ordering example for the WJ30EL grade: DB133-20-02.000A1-WJ30EL



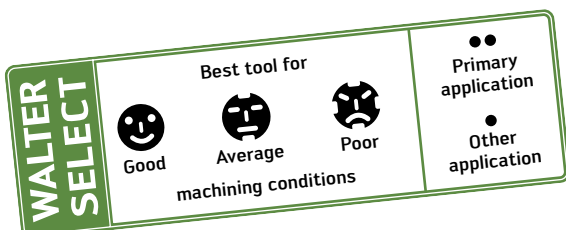
Solid carbide micro drills with internal coolant DB133 Supreme



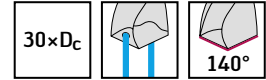
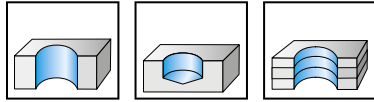
	P	M	K	N	S	H	O
WJ30EL							

	Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
Shank DIN 6535 HA 	DB133-25-02.000A1-WJ30ER	2		54	101	57	39	3	
	DB133-25-02.100A1-WJ30ER	2,1		56	101	60	37	3	
	DB133-25-02.200A1-WJ30ER	2,2		59	101	63	34	3	
	DB133-25-02.300A1-WJ30ER	2,3		62	107	66	37	3	
	DB133-25-02.381A1-WJ30ER	2,381	3/32"	64	107	68	35	3	
	DB133-25-02.400A1-WJ30ER	2,4		64	107	68	35	3	
	DB133-25-02.500A1-WJ30ER	2,5		67	107	71	32	3	
	DB133-25-02.600A1-WJ30ER	2,6		70	122	74	44	3	
	DB133-25-02.700A1-WJ30ER	2,7		72	122	77	41	3	
	DB133-25-02.778A1-WJ30ER	2,778	7/64"	75	122	80	38	3	
	DB133-25-02.800A1-WJ30ER	2,8		75	122	80	38	3	
	DB133-25-02.900A1-WJ30ER	2,9		78	122	83	36	3	

Ordering example for the WJ30EL grade: DB133-25-02.000A1-WJ30EL



Solid carbide micro drills with internal coolant DB133 Supreme

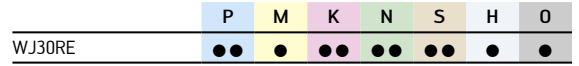
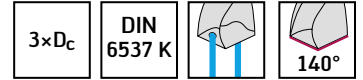
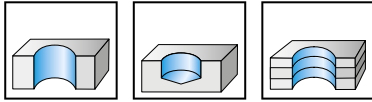


	P	M	K	N	S	H	O
WJ30EL							

	Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
Shank DIN 6535 HA 	DB133-30-02.000A1-WJ30ER	2		28	112	67	40	3	
	DB133-30-02.100A1-WJ30ER	2,1		29	112	70	38	3	
	DB133-30-02.200A1-WJ30ER	2,2		30	112	74	34	3	
	DB133-30-02.300A1-WJ30ER	2,3		32	122	77	41	3	
	DB133-30-02.381A1-WJ30ER	2,381	3/32"	33	122	80	38	3	
	DB133-30-02.400A1-WJ30ER	2,4		33	122	80	38	3	
	DB133-30-02.500A1-WJ30ER	2,5		35	122	84	34	3	
	DB133-30-02.600A1-WJ30ER	2,6		36	136	87	45	3	
	DB133-30-02.700A1-WJ30ER	2,7		37	136	90	42	3	
	DB133-30-02.778A1-WJ30ER	2,778	7/64"	38	136	94	38	3	
	DB133-30-02.800A1-WJ30ER	2,8		38	136	94	38	3	
	DB133-30-02.900A1-WJ30ER	2,9		40	136	97	36	3	

Ordering example for the WJ30EL grade: DB133-30-02.000A1-WJ30EL

Solid carbide drills with internal coolant DC150 Perform



Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
DC150-03-03.000A1-	3		14	62	20	36	6	●
DC150-03-03.100A1-	3,1		14	62	20	36	6	●
DC150-03-03.175A1-	3,175	1/8"	14	62	20	36	6	●
DC150-03-03.200A1-	3,2		14	62	20	36	6	●
DC150-03-03.250A1-	3,25		14	62	20	36	6	●
DC150-03-03.300A1-	3,3		14	62	20	36	6	●
DC150-03-03.400A1-	3,4		14	62	20	36	6	●
DC150-03-03.500A1-	3,5		14	62	20	36	6	●
DC150-03-03.572A1-	3,572	9/64"	14	62	20	36	6	●
DC150-03-03.600A1-	3,6		14	62	20	36	6	●
DC150-03-03.650A1-	3,65		14	62	20	36	6	●
DC150-03-03.700A1-	3,7		14	62	20	36	6	●
DC150-03-03.800A1-	3,8		17	66	24	36	6	●
DC150-03-03.900A1-	3,9		17	66	24	36	6	●
DC150-03-03.969A1-	3,969	5/32"	17	66	24	36	6	●
DC150-03-04.000A1-	4		17	66	24	36	6	●
DC150-03-04.100A1-	4,1		17	66	24	36	6	●
DC150-03-04.200A1-	4,2		17	66	24	36	6	●
DC150-03-04.300A1-	4,3		17	66	24	36	6	●
DC150-03-04.366A1-	4,366	11/64"	17	66	24	36	6	●
DC150-03-04.400A1-	4,4		17	66	24	36	6	●
DC150-03-04.500A1-	4,5		17	66	24	36	6	●
DC150-03-04.600A1-	4,6		17	66	24	36	6	●
DC150-03-04.650A1-	4,65		17	66	24	36	6	●
DC150-03-04.700A1-	4,7		17	66	24	36	6	●
DC150-03-04.763A1-	4,763	3/16"	20	66	28	36	6	●
DC150-03-04.800A1-	4,8		20	66	28	36	6	●
DC150-03-04.900A1-	4,9		20	66	28	36	6	●
DC150-03-05.000A1-	5		20	66	28	36	6	●
DC150-03-05.100A1-	5,1		20	66	28	36	6	●
DC150-03-05.159A1-	5,159	13/64"	20	66	28	36	6	●
DC150-03-05.200A1-	5,2		20	66	28	36	6	●
DC150-03-05.300A1-	5,3		20	66	28	36	6	●
DC150-03-05.400A1-	5,4		20	66	28	36	6	●
DC150-03-05.500A1-	5,5		20	66	28	36	6	●
DC150-03-05.550A1-	5,55		20	66	28	36	6	●
DC150-03-05.556A1-	5,556	7/32"	20	66	28	36	6	●
DC150-03-05.600A1-	5,6		20	66	28	36	6	●
DC150-03-05.700A1-	5,7		20	66	28	36	6	●
DC150-03-05.800A1-	5,8		20	66	28	36	6	●
DC150-03-05.900A1-	5,9		20	66	28	36	6	●
DC150-03-05.953A1-	5,953	15/64"	20	66	28	36	6	●
DC150-03-06.000A1-	6		20	66	28	36	6	●
DC150-03-06.100A1-	6,1		24	79	34	36	8	●
DC150-03-06.200A1-	6,2		24	79	34	36	8	●
DC150-03-06.300A1-	6,3		24	79	34	36	8	●
DC150-03-06.350A1-	6,35	1/4"	24	79	34	36	8	●

Ordering example for the WJ30RE grade: DC150-03-03.000A1-WJ30RE

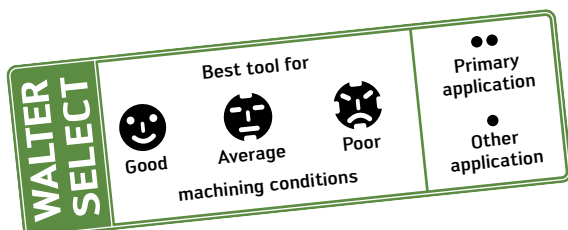
Continued

Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
Shank DIN 6535 HA 	DC150-03-06.400A1-	6,4		24	79	34	36	8	☺
	DC150-03-06.500A1-	6,5		24	79	34	36	8	☺
	DC150-03-06.600A1-	6,6		24	79	34	36	8	☺
	DC150-03-06.700A1-	6,7		24	79	34	36	8	☺
	DC150-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☺
	DC150-03-06.800A1-	6,8		24	79	34	36	8	☺
	DC150-03-06.900A1-	6,9		24	79	34	36	8	☺
	DC150-03-07.000A1-	7		24	79	34	36	8	☺
	DC150-03-07.100A1-	7,1		29	79	41	36	8	☺
	DC150-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☺
	DC150-03-07.200A1-	7,2		29	79	41	36	8	☺
	DC150-03-07.300A1-	7,3		29	79	41	36	8	☺
	DC150-03-07.400A1-	7,4		29	79	41	36	8	☺
	DC150-03-07.500A1-	7,5		29	79	41	36	8	☺
	DC150-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☺
	DC150-03-07.600A1-	7,6		29	79	41	36	8	☺
	DC150-03-07.700A1-	7,7		29	79	41	36	8	☺
	DC150-03-07.800A1-	7,8		29	79	41	36	8	☺
	DC150-03-07.900A1-	7,9		29	79	41	36	8	☺
	DC150-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☺
	DC150-03-08.000A1-	8		29	79	41	36	8	☺
	DC150-03-08.100A1-	8,1		35	89	47	40	10	☺
	DC150-03-08.200A1-	8,2		35	89	47	40	10	☺
	DC150-03-08.300A1-	8,3		35	89	47	40	10	☺
	DC150-03-08.334A1-	8,334	21/64"	35	89	47	40	10	☺
	DC150-03-08.400A1-	8,4		35	89	47	40	10	☺
	DC150-03-08.500A1-	8,5		35	89	47	40	10	☺
	DC150-03-08.600A1-	8,6		35	89	47	40	10	☺
	DC150-03-08.700A1-	8,7		35	89	47	40	10	☺
	DC150-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☺
	DC150-03-08.800A1-	8,8		35	89	47	40	10	☺
	DC150-03-08.900A1-	8,9		35	89	47	40	10	☺
	DC150-03-09.000A1-	9		35	89	47	40	10	☺
DC150-03-09.100A1-	9,1		35	89	47	40	10	☺	
DC150-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☺	
DC150-03-09.200A1-	9,2		35	89	47	40	10	☺	
DC150-03-09.300A1-	9,3		35	89	47	40	10	☺	
DC150-03-09.400A1-	9,4		35	89	47	40	10	☺	
DC150-03-09.500A1-	9,5		35	89	47	40	10	☺	
DC150-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☺	
DC150-03-09.600A1-	9,6		35	89	47	40	10	☺	
DC150-03-09.700A1-	9,7		35	89	47	40	10	☺	
DC150-03-09.800A1-	9,8		35	89	47	40	10	☺	
DC150-03-09.900A1-	9,9		35	89	47	40	10	☺	
DC150-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☺	
DC150-03-10.000A1-	10		35	89	47	40	10	☺	
DC150-03-10.100A1-	10,1		40	102	55	45	12	☺	
DC150-03-10.200A1-	10,2		40	102	55	45	12	☺	
DC150-03-10.300A1-	10,3		40	102	55	45	12	☺	
DC150-03-10.319A1-	10,319	13/32"	40	102	55	45	12	☺	
DC150-03-10.400A1-	10,4		40	102	55	45	12	☺	
DC150-03-10.500A1-	10,5		40	102	55	45	12	☺	
DC150-03-10.600A1-	10,6		40	102	55	45	12	☺	
DC150-03-10.700A1-	10,7		40	102	55	45	12	☺	
DC150-03-10.716A1-	10,716	27/64"	40	102	55	45	12	☺	
DC150-03-10.800A1-	10,8		40	102	55	45	12	☺	
DC150-03-10.900A1-	10,9		40	102	55	45	12	☺	

Ordering example for the WJ30RE grade: DC150-03-03.000A1-WJ30RE

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE	
	Shank DIN 6535 HA	DC150-03-11.000A1-	11		40	102	55	45	12	⊗
	DC150-03-11.100A1-	11,1		40	102	55	45	12	⊗	
	DC150-03-11.113A1-	11,113	7/16"	40	102	55	45	12	⊗	
	DC150-03-11.200A1-	11,2		40	102	55	45	12	⊗	
	DC150-03-11.300A1-	11,3		40	102	55	45	12	⊗	
	DC150-03-11.400A1-	11,4		40	102	55	45	12	⊗	
	DC150-03-11.500A1-	11,5		40	102	55	45	12	⊗	
	DC150-03-11.509A1-	11,509	29/64"	40	102	55	45	12	⊗	
	DC150-03-11.600A1-	11,6		40	102	55	45	12	⊗	
	DC150-03-11.700A1-	11,7		40	102	55	45	12	⊗	
	DC150-03-11.800A1-	11,8		40	102	55	45	12	⊗	
	DC150-03-11.900A1-	11,9		40	102	55	45	12	⊗	
	DC150-03-11.906A1-	11,906	15/32"	40	102	55	45	12	⊗	
	DC150-03-12.000A1-	12		40	102	55	45	12	⊗	
	DC150-03-12.100A1-	12,1		43	107	60	45	14	⊗	
	DC150-03-12.200A1-	12,2		43	107	60	45	14	⊗	
	DC150-03-12.300A1-	12,3		43	107	60	45	14	⊗	
	DC150-03-12.303A1-	12,303	31/64"	43	107	60	45	14	⊗	
	DC150-03-12.500A1-	12,5		43	107	60	45	14	⊗	
	DC150-03-12.600A1-	12,6		43	107	60	45	14	⊗	
	DC150-03-12.700A1-	12,7	1/2"	43	107	60	45	14	⊗	
	DC150-03-12.800A1-	12,8		43	107	60	45	14	⊗	
	DC150-03-12.900A1-	12,9		43	107	60	45	14	⊗	
	DC150-03-13.000A1-	13		43	107	60	45	14	⊗	
	DC150-03-13.100A1-	13,1		43	107	60	45	14	⊗	
	DC150-03-13.200A1-	13,2		43	107	60	45	14	⊗	
	DC150-03-13.300A1-	13,3		43	107	60	45	14	⊗	
	DC150-03-13.494A1-	13,494	17/32"	43	107	60	45	14	⊗	
	DC150-03-13.500A1-	13,5		43	107	60	45	14	⊗	
	DC150-03-13.800A1-	13,8		43	107	60	45	14	⊗	
	DC150-03-14.000A1-	14		43	107	60	45	14	⊗	
	DC150-03-14.100A1-	14,1		45	115	65	48	16	⊗	
	DC150-03-14.200A1-	14,2		45	115	65	48	16	⊗	
	DC150-03-14.288A1-	14,288	9/16"	45	115	65	48	16	⊗	
	DC150-03-14.500A1-	14,5		45	115	65	48	16	⊗	
	DC150-03-14.600A1-	14,6		45	115	65	48	16	⊗	
	DC150-03-14.700A1-	14,7		45	115	65	48	16	⊗	
	DC150-03-15.000A1-	15		45	115	65	48	16	⊗	
	DC150-03-15.100A1-	15,1		45	115	65	48	16	⊗	
	DC150-03-15.300A1-	15,3		45	115	65	48	16	⊗	
DC150-03-15.500A1-	15,5		45	115	65	48	16	⊗		
DC150-03-15.700A1-	15,7		45	115	65	48	16	⊗		
DC150-03-15.800A1-	15,8		45	115	65	48	16	⊗		
DC150-03-15.875A1-	15,875	5/8"	45	115	65	48	16	⊗		
DC150-03-16.000A1-	16		45	115	65	48	16	⊗		
DC150-03-16.300A1-	16,3		51	123	73	48	18	⊗		
DC150-03-16.500A1-	16,5		51	123	73	48	18	⊗		
DC150-03-16.700A1-	16,7		51	123	73	48	18	⊗		
DC150-03-17.000A1-	17		51	123	73	48	18	⊗		
DC150-03-17.500A1-	17,5		51	123	73	48	18	⊗		
DC150-03-18.000A1-	18		51	123	73	48	18	⊗		
DC150-03-18.500A1-	18,5		55	131	79	50	20	⊗		
DC150-03-19.000A1-	19		55	131	79	50	20	⊗		
DC150-03-19.050A1-	19,05	3/4"	55	131	79	50	20	⊗		
DC150-03-20.000A1-	20		55	131	79	50	20	⊗		

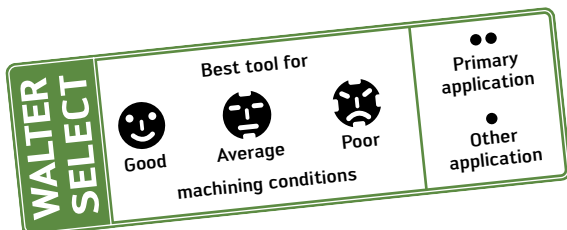
Ordering example for the WJ30RE grade: DC150-03-03.000A1-WJ30RE

Continued

Continued

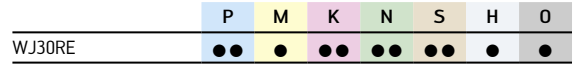
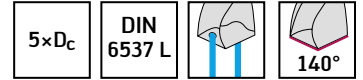
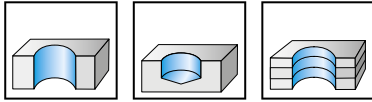
	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
DIN 6535 HE, turned 180° DIN 6535 HB 	DC150-03-03.000D1-	3		14	62	20	36	6	☺
	DC150-03-03.300D1-	3,3		14	62	20	36	6	☺
	DC150-03-03.400D1-	3,4		14	62	20	36	6	☺
	DC150-03-03.500D1-	3,5		14	62	20	36	6	☺
	DC150-03-03.700D1-	3,7		14	62	20	36	6	☺
	DC150-03-03.800D1-	3,8		17	66	24	36	6	☺
	DC150-03-04.000D1-	4		17	66	24	36	6	☺
	DC150-03-04.200D1-	4,2		17	66	24	36	6	☺
	DC150-03-04.300D1-	4,3		17	66	24	36	6	☺
	DC150-03-04.500D1-	4,5		17	66	24	36	6	☺
	DC150-03-04.800D1-	4,8		20	66	28	36	6	☺
	DC150-03-05.000D1-	5		20	66	28	36	6	☺
	DC150-03-05.100D1-	5,1		20	66	28	36	6	☺
	DC150-03-05.300D1-	5,3		20	66	28	36	6	☺
	DC150-03-05.500D1-	5,5		20	66	28	36	6	☺
	DC150-03-06.000D1-	6		20	66	28	36	6	☺
	DC150-03-06.500D1-	6,5		24	79	34	36	8	☺
	DC150-03-06.700D1-	6,7		24	79	34	36	8	☺
	DC150-03-06.800D1-	6,8		24	79	34	36	8	☺
	DC150-03-07.000D1-	7		24	79	34	36	8	☺
	DC150-03-07.500D1-	7,5		29	79	41	36	8	☺
	DC150-03-07.800D1-	7,8		29	79	41	36	8	☺
	DC150-03-08.000D1-	8		29	79	41	36	8	☺
	DC150-03-08.500D1-	8,5		35	89	47	40	10	☺
	DC150-03-08.600D1-	8,6		35	89	47	40	10	☺
	DC150-03-08.800D1-	8,8		35	89	47	40	10	☺
	DC150-03-09.000D1-	9		35	89	47	40	10	☺
	DC150-03-10.000D1-	10		35	89	47	40	10	☺
DC150-03-10.200D1-	10,2		40	102	55	45	12	☺	
DC150-03-10.300D1-	10,3		40	102	55	45	12	☺	
DC150-03-10.500D1-	10,5		40	102	55	45	12	☺	
DC150-03-10.800D1-	10,8		40	102	55	45	12	☺	
DC150-03-11.000D1-	11		40	102	55	45	12	☺	
DC150-03-11.800D1-	11,8		40	102	55	45	12	☺	
DC150-03-12.000D1-	12		40	102	55	45	12	☺	
DC150-03-12.200D1-	12,2		43	107	60	45	14	☺	
DC150-03-12.500D1-	12,5		43	107	60	45	14	☺	
DC150-03-13.000D1-	13		43	107	60	45	14	☺	
DC150-03-14.000D1-	14		43	107	60	45	14	☺	
DC150-03-15.000D1-	15		45	115	65	48	16	☺	
DC150-03-15.500D1-	15,5		45	115	65	48	16	☺	
DC150-03-16.000D1-	16		45	115	65	48	16	☺	
DC150-03-16.500D1-	16,5		51	123	73	48	18	☺	
DC150-03-17.000D1-	17		51	123	73	48	18	☺	
DC150-03-17.500D1-	17,5		51	123	73	48	18	☺	
DC150-03-18.000D1-	18		51	123	73	48	18	☺	
DC150-03-19.000D1-	19		55	131	79	50	20	☺	
DC150-03-20.000D1-	20		55	131	79	50	20	☺	

Ordering example for the WJ30RE grade: DC150-03-03.000A1-WJ30RE



Solid carbide drills with internal coolant

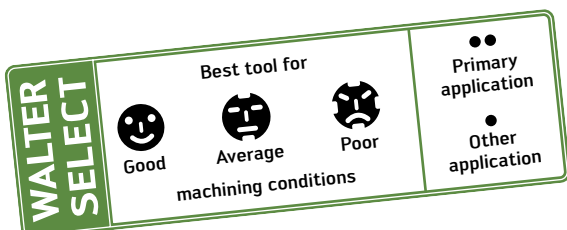
DC150 Perform



Shank DIN 6535 HA	Designation	D _c	D _c	L _c	l ₁	l ₂	l ₅	d ₁	WJ30RE
		m7	Inch/No.	mm	mm	mm	mm	h6	
	DC150-05-03.000A1-	3		23	66	28	36	6	●●●●●●●●
	DC150-05-03.100A1-	3,1		23	66	28	36	6	●●●●●●●●
	DC150-05-03.175A1-	3,175	1/8"	23	66	28	36	6	●●●●●●●●
	DC150-05-03.200A1-	3,2		23	66	28	36	6	●●●●●●●●
	DC150-05-03.250A1-	3,25		23	66	28	36	6	●●●●●●●●
	DC150-05-03.300A1-	3,3		23	66	28	36	6	●●●●●●●●
	DC150-05-03.400A1-	3,4		23	66	28	36	6	●●●●●●●●
	DC150-05-03.500A1-	3,5		23	66	28	36	6	●●●●●●●●
	DC150-05-03.572A1-	3,572	9/64"	23	66	28	36	6	●●●●●●●●
	DC150-05-03.600A1-	3,6		23	66	28	36	6	●●●●●●●●
	DC150-05-03.650A1-	3,65		23	66	28	36	6	●●●●●●●●
	DC150-05-03.700A1-	3,7		23	66	28	36	6	●●●●●●●●
	DC150-05-03.800A1-	3,8		29	74	36	36	6	●●●●●●●●
	DC150-05-03.900A1-	3,9		29	74	36	36	6	●●●●●●●●
	DC150-05-03.969A1-	3,969	5/32"	29	74	36	36	6	●●●●●●●●
	DC150-05-04.000A1-	4		29	74	36	36	6	●●●●●●●●
	DC150-05-04.100A1-	4,1		29	74	36	36	6	●●●●●●●●
	DC150-05-04.200A1-	4,2		29	74	36	36	6	●●●●●●●●
	DC150-05-04.300A1-	4,3		29	74	36	36	6	●●●●●●●●
	DC150-05-04.366A1-	4,366	11/64"	29	74	36	36	6	●●●●●●●●
	DC150-05-04.400A1-	4,4		29	74	36	36	6	●●●●●●●●
	DC150-05-04.500A1-	4,5		29	74	36	36	6	●●●●●●●●
	DC150-05-04.600A1-	4,6		29	74	36	36	6	●●●●●●●●
	DC150-05-04.650A1-	4,65		29	74	36	36	6	●●●●●●●●
	DC150-05-04.700A1-	4,7		29	74	36	36	6	●●●●●●●●
	DC150-05-04.763A1-	4,763	3/16"	35	82	44	36	6	●●●●●●●●
	DC150-05-04.800A1-	4,8		35	82	44	36	6	●●●●●●●●
	DC150-05-04.900A1-	4,9		35	82	44	36	6	●●●●●●●●
	DC150-05-05.000A1-	5		35	82	44	36	6	●●●●●●●●
	DC150-05-05.100A1-	5,1		35	82	44	36	6	●●●●●●●●
	DC150-05-05.159A1-	5,159	13/64"	35	82	44	36	6	●●●●●●●●
	DC150-05-05.200A1-	5,2		35	82	44	36	6	●●●●●●●●
	DC150-05-05.300A1-	5,3		35	82	44	36	6	●●●●●●●●
	DC150-05-05.400A1-	5,4		35	82	44	36	6	●●●●●●●●
	DC150-05-05.500A1-	5,5		35	82	44	36	6	●●●●●●●●
	DC150-05-05.550A1-	5,55		35	82	44	36	6	●●●●●●●●
	DC150-05-05.556A1-	5,556	7/32"	35	82	44	36	6	●●●●●●●●
	DC150-05-05.600A1-	5,6		35	82	44	36	6	●●●●●●●●
	DC150-05-05.700A1-	5,7		35	82	44	36	6	●●●●●●●●
	DC150-05-05.800A1-	5,8		35	82	44	36	6	●●●●●●●●
	DC150-05-05.900A1-	5,9		35	82	44	36	6	●●●●●●●●
	DC150-05-05.953A1-	5,953	15/64"	35	82	44	36	6	●●●●●●●●
	DC150-05-06.000A1-	6		35	82	44	36	6	●●●●●●●●

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

Continued



Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
	Shank DIN 6535 HA								
	DC150-05-06.100A1-	6,1		43	91	53	36	8	WJ30RE
	DC150-05-06.200A1-	6,2		43	91	53	36	8	WJ30RE
	DC150-05-06.300A1-	6,3		43	91	53	36	8	WJ30RE
	DC150-05-06.350A1-	6,35	1/4"	43	91	53	36	8	WJ30RE
	DC150-05-06.400A1-	6,4		43	91	53	36	8	WJ30RE
	DC150-05-06.500A1-	6,5		43	91	53	36	8	WJ30RE
	DC150-05-06.600A1-	6,6		43	91	53	36	8	WJ30RE
	DC150-05-06.700A1-	6,7		43	91	53	36	8	WJ30RE
	DC150-05-06.747A1-	6,747	17/64"	43	91	53	36	8	WJ30RE
	DC150-05-06.800A1-	6,8		43	91	53	36	8	WJ30RE
	DC150-05-06.900A1-	6,9		43	91	53	36	8	WJ30RE
	DC150-05-07.000A1-	7		43	91	53	36	8	WJ30RE
	DC150-05-07.100A1-	7,1		43	91	53	36	8	WJ30RE
	DC150-05-07.144A1-	7,144	9/32"	43	91	53	36	8	WJ30RE
	DC150-05-07.200A1-	7,2		43	91	53	36	8	WJ30RE
	DC150-05-07.300A1-	7,3		43	91	53	36	8	WJ30RE
	DC150-05-07.400A1-	7,4		43	91	53	36	8	WJ30RE
	DC150-05-07.500A1-	7,5		43	91	53	36	8	WJ30RE
	DC150-05-07.541A1-	7,541	19/64"	43	91	53	36	8	WJ30RE
	DC150-05-07.550A1-	7,55		43	91	53	36	8	WJ30RE
	DC150-05-07.600A1-	7,6		43	91	53	36	8	WJ30RE
	DC150-05-07.700A1-	7,7		43	91	53	36	8	WJ30RE
	DC150-05-07.800A1-	7,8		43	91	53	36	8	WJ30RE
	DC150-05-07.900A1-	7,9		43	91	53	36	8	WJ30RE
	DC150-05-07.938A1-	7,938	5/16"	43	91	53	36	8	WJ30RE
	DC150-05-08.000A1-	8		43	91	53	36	8	WJ30RE
	DC150-05-08.100A1-	8,1		49	103	61	40	10	WJ30RE
	DC150-05-08.200A1-	8,2		49	103	61	40	10	WJ30RE
	DC150-05-08.300A1-	8,3		49	103	61	40	10	WJ30RE
	DC150-05-08.334A1-	8,334	21/64"	49	103	61	40	10	WJ30RE
	DC150-05-08.400A1-	8,4		49	103	61	40	10	WJ30RE
	DC150-05-08.500A1-	8,5		49	103	61	40	10	WJ30RE
	DC150-05-08.600A1-	8,6		49	103	61	40	10	WJ30RE
	DC150-05-08.700A1-	8,7		49	103	61	40	10	WJ30RE
	DC150-05-08.731A1-	8,731	11/32"	49	103	61	40	10	WJ30RE
	DC150-05-08.800A1-	8,8		49	103	61	40	10	WJ30RE
DC150-05-08.900A1-	8,9		49	103	61	40	10	WJ30RE	
DC150-05-09.000A1-	9		49	103	61	40	10	WJ30RE	
DC150-05-09.100A1-	9,1		49	103	61	40	10	WJ30RE	
DC150-05-09.128A1-	9,128	23/64"	49	103	61	40	10	WJ30RE	
DC150-05-09.200A1-	9,2		49	103	61	40	10	WJ30RE	
DC150-05-09.300A1-	9,3		49	103	61	40	10	WJ30RE	
DC150-05-09.400A1-	9,4		49	103	61	40	10	WJ30RE	
DC150-05-09.500A1-	9,5		49	103	61	40	10	WJ30RE	
DC150-05-09.525A1-	9,525	3/8"	49	103	61	40	10	WJ30RE	
DC150-05-09.550A1-	9,55		49	103	61	40	10	WJ30RE	
DC150-05-09.600A1-	9,6		49	103	61	40	10	WJ30RE	
DC150-05-09.700A1-	9,7		49	103	61	40	10	WJ30RE	
DC150-05-09.800A1-	9,8		49	103	61	40	10	WJ30RE	
DC150-05-09.900A1-	9,9		49	103	61	40	10	WJ30RE	
DC150-05-09.922A1-	9,922	25/64"	49	103	61	40	10	WJ30RE	
DC150-05-10.000A1-	10		49	103	61	40	10	WJ30RE	
DC150-05-10.100A1-	10,1		56	118	71	45	12	WJ30RE	
DC150-05-10.200A1-	10,2		56	118	71	45	12	WJ30RE	
DC150-05-10.300A1-	10,3		56	118	71	45	12	WJ30RE	
DC150-05-10.319A1-	10,319	13/32"	56	118	71	45	12	WJ30RE	
DC150-05-10.400A1-	10,4		56	118	71	45	12	WJ30RE	
DC150-05-10.500A1-	10,5		56	118	71	45	12	WJ30RE	
DC150-05-10.600A1-	10,6		56	118	71	45	12	WJ30RE	
DC150-05-10.700A1-	10,7		56	118	71	45	12	WJ30RE	
DC150-05-10.716A1-	10,716	27/64"	56	118	71	45	12	WJ30RE	

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

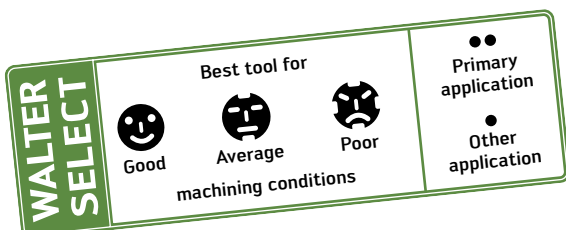
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
	Shank DIN 6535 HA	DC150-05-10.800A1-		56	118	71	45	12	☺
	DC150-05-10.900A1-	10,9		56	118	71	45	12	☺
	DC150-05-11.000A1-	11		56	118	71	45	12	☺
	DC150-05-11.100A1-	11,1		56	118	71	45	12	☺
	DC150-05-11.113A1-	11,113	7/16"	56	118	71	45	12	☺
	DC150-05-11.200A1-	11,2		56	118	71	45	12	☺
	DC150-05-11.300A1-	11,3		56	118	71	45	12	☺
	DC150-05-11.400A1-	11,4		56	118	71	45	12	☺
	DC150-05-11.500A1-	11,5		56	118	71	45	12	☺
	DC150-05-11.509A1-	11,509	29/64"	56	118	71	45	12	☺
	DC150-05-11.600A1-	11,6		56	118	71	45	12	☺
	DC150-05-11.700A1-	11,7		56	118	71	45	12	☺
	DC150-05-11.800A1-	11,8		56	118	71	45	12	☺
	DC150-05-11.900A1-	11,9		56	118	71	45	12	☺
	DC150-05-11.906A1-	11,906	15/32"	56	118	71	45	12	☺
	DC150-05-12.000A1-	12		56	118	71	45	12	☺
	DC150-05-12.100A1-	12,1		60	124	77	45	14	☺
	DC150-05-12.200A1-	12,2		60	124	77	45	14	☺
	DC150-05-12.250A1-	12,25		60	124	77	45	14	☺
	DC150-05-12.300A1-	12,3		60	124	77	45	14	☺
	DC150-05-12.303A1-	12,303	31/64"	60	124	77	45	14	☺
	DC150-05-12.400A1-	12,4		60	124	77	45	14	☺
	DC150-05-12.500A1-	12,5		60	124	77	45	14	☺
	DC150-05-12.600A1-	12,6		60	124	77	45	14	☺
	DC150-05-12.700A1-	12,7	1/2"	60	124	77	45	14	☺
	DC150-05-12.800A1-	12,8		60	124	77	45	14	☺
	DC150-05-12.900A1-	12,9		60	124	77	45	14	☺
	DC150-05-13.000A1-	13		60	124	77	45	14	☺
	DC150-05-13.100A1-	13,1		60	124	77	45	14	☺
	DC150-05-13.200A1-	13,2		60	124	77	45	14	☺
	DC150-05-13.300A1-	13,3		60	124	77	45	14	☺
	DC150-05-13.400A1-	13,4		60	124	77	45	14	☺
	DC150-05-13.494A1-	13,494	17/32"	60	124	77	45	14	☺
	DC150-05-13.500A1-	13,5		60	124	77	45	14	☺
	DC150-05-13.600A1-	13,6		60	124	77	45	14	☺
	DC150-05-13.700A1-	13,7		60	124	77	45	14	☺
	DC150-05-13.800A1-	13,8		60	124	77	45	14	☺
	DC150-05-13.900A1-	13,9		60	124	77	45	14	☺
	DC150-05-14.000A1-	14		60	124	77	45	14	☺
	DC150-05-14.100A1-	14,1		63	133	83	48	16	☺
DC150-05-14.200A1-	14,2		63	133	83	48	16	☺	
DC150-05-14.288A1-	14,288	9/16"	63	133	83	48	16	☺	
DC150-05-14.300A1-	14,3		63	133	83	48	16	☺	
DC150-05-14.500A1-	14,5		63	133	83	48	16	☺	
DC150-05-14.600A1-	14,6		63	133	83	48	16	☺	
DC150-05-14.700A1-	14,7		63	133	83	48	16	☺	
DC150-05-14.750A1-	14,75		63	133	83	48	16	☺	
DC150-05-14.800A1-	14,8		63	133	83	48	16	☺	
DC150-05-15.000A1-	15		63	133	83	48	16	☺	
DC150-05-15.100A1-	15,1		63	133	83	48	16	☺	
DC150-05-15.200A1-	15,2		63	133	83	48	16	☺	
DC150-05-15.300A1-	15,3		63	133	83	48	16	☺	
DC150-05-15.500A1-	15,5		63	133	83	48	16	☺	
DC150-05-15.600A1-	15,6		63	133	83	48	16	☺	
DC150-05-15.700A1-	15,7		63	133	83	48	16	☺	
DC150-05-15.800A1-	15,8		63	133	83	48	16	☺	
DC150-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☺	

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

Continued



Continued

		D_c m7 mm	D_c Inch/No.	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RE
Shank DIN 6535 HA 	DC150-05-16.000A1-	16		63	133	83	48	16	
	DC150-05-16.100A1-	16,1		71	143	93	48	18	
	DC150-05-16.200A1-	16,2		71	143	93	48	18	
	DC150-05-16.300A1-	16,3		71	143	93	48	18	
	DC150-05-16.500A1-	16,5		71	143	93	48	18	
	DC150-05-16.700A1-	16,7		71	143	93	48	18	
	DC150-05-16.750A1-	16,75		71	143	93	48	18	
	DC150-05-17.000A1-	17		71	143	93	48	18	
	DC150-05-17.100A1-	17,1		71	143	93	48	18	
	DC150-05-17.200A1-	17,2		71	143	93	48	18	
	DC150-05-17.300A1-	17,3		71	143	93	48	18	
	DC150-05-17.500A1-	17,5		71	143	93	48	18	
	DC150-05-17.600A1-	17,6		71	143	93	48	18	
	DC150-05-17.700A1-	17,7		71	143	93	48	18	
	DC150-05-17.800A1-	17,8		71	143	93	48	18	
	DC150-05-17.900A1-	17,9		71	143	93	48	18	
	DC150-05-18.000A1-	18		71	143	93	48	18	
	DC150-05-18.500A1-	18,5		77	153	101	50	20	
	DC150-05-18.900A1-	18,9		77	153	101	50	20	
	DC150-05-19.000A1-	19		77	153	101	50	20	
DC150-05-19.050A1-	19,05	3/4"	77	153	101	50	20		
DC150-05-19.300A1-	19,3		77	153	101	50	20		
DC150-05-19.500A1-	19,5		77	153	101	50	20		
DC150-05-19.700A1-	19,7		77	153	101	50	20		
DC150-05-19.800A1-	19,8		77	153	101	50	20		
DC150-05-20.000A1-	20		77	153	101	50	20		
DIN 6535 HE, turned 180° DIN 6535 HB 	DC150-05-03.000D1-	3		23	66	28	36	6	
	DC150-05-03.100D1-	3,1		23	66	28	36	6	
	DC150-05-03.200D1-	3,2		23	66	28	36	6	
	DC150-05-03.300D1-	3,3		23	66	28	36	6	
	DC150-05-03.400D1-	3,4		23	66	28	36	6	
	DC150-05-03.500D1-	3,5		23	66	28	36	6	
	DC150-05-03.600D1-	3,6		23	66	28	36	6	
	DC150-05-03.700D1-	3,7		23	66	28	36	6	
	DC150-05-03.800D1-	3,8		29	74	36	36	6	
	DC150-05-03.900D1-	3,9		29	74	36	36	6	
	DC150-05-04.000D1-	4		29	74	36	36	6	
	DC150-05-04.100D1-	4,1		29	74	36	36	6	
	DC150-05-04.200D1-	4,2		29	74	36	36	6	
	DC150-05-04.300D1-	4,3		29	74	36	36	6	
	DC150-05-04.400D1-	4,4		29	74	36	36	6	
	DC150-05-04.500D1-	4,5		29	74	36	36	6	
	DC150-05-04.600D1-	4,6		29	74	36	36	6	
	DC150-05-04.650D1-	4,65		29	74	36	36	6	
	DC150-05-04.700D1-	4,7		29	74	36	36	6	
	DC150-05-04.800D1-	4,8		35	82	44	36	6	
	DC150-05-04.900D1-	4,9		35	82	44	36	6	
	DC150-05-05.000D1-	5		35	82	44	36	6	
	DC150-05-05.100D1-	5,1		35	82	44	36	6	
	DC150-05-05.200D1-	5,2		35	82	44	36	6	
	DC150-05-05.300D1-	5,3		35	82	44	36	6	
	DC150-05-05.400D1-	5,4		35	82	44	36	6	
	DC150-05-05.500D1-	5,5		35	82	44	36	6	
	DC150-05-05.550D1-	5,55		35	82	44	36	6	
	DC150-05-05.600D1-	5,6		35	82	44	36	6	
	DC150-05-05.700D1-	5,7		35	82	44	36	6	
	DC150-05-05.800D1-	5,8		35	82	44	36	6	
	DC150-05-05.900D1-	5,9		35	82	44	36	6	
DC150-05-06.000D1-	6		35	82	44	36	6		
DC150-05-06.100D1-	6,1		43	91	53	36	8		
DC150-05-06.200D1-	6,2		43	91	53	36	8		

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

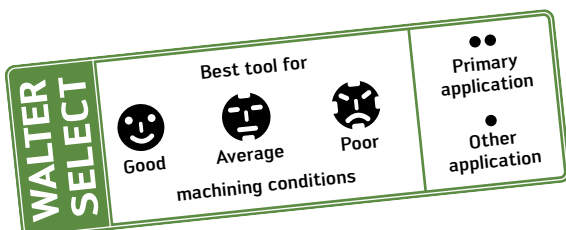
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
DIN 6535 HE, turned 180° DIN 6535 HB 	DC150-05-06.300D1-	6,2		43	91	53	36	8	☺
	DC150-05-06.400D1-	6,4		43	91	53	36	8	☺
	DC150-05-06.500D1-	6,5		43	91	53	36	8	☺
	DC150-05-06.600D1-	6,6		43	91	53	36	8	☺
	DC150-05-06.700D1-	6,7		43	91	53	36	8	☺
	DC150-05-06.800D1-	6,8		43	91	53	36	8	☺
	DC150-05-06.900D1-	6,9		43	91	53	36	8	☺
	DC150-05-07.000D1-	7		43	91	53	36	8	☺
	DC150-05-07.100D1-	7,1		43	91	53	36	8	☺
	DC150-05-07.200D1-	7,2		43	91	53	36	8	☺
	DC150-05-07.300D1-	7,3		43	91	53	36	8	☺
	DC150-05-07.400D1-	7,4		43	91	53	36	8	☺
	DC150-05-07.500D1-	7,5		43	91	53	36	8	☺
	DC150-05-07.600D1-	7,6		43	91	53	36	8	☺
	DC150-05-07.700D1-	7,7		43	91	53	36	8	☺
	DC150-05-07.800D1-	7,8		43	91	53	36	8	☺
	DC150-05-07.900D1-	7,9		43	91	53	36	8	☺
	DC150-05-08.000D1-	8		43	91	53	36	8	☺
	DC150-05-08.100D1-	8,1		49	103	61	40	10	☺
	DC150-05-08.200D1-	8,2		49	103	61	40	10	☺
	DC150-05-08.300D1-	8,3		49	103	61	40	10	☺
	DC150-05-08.400D1-	8,4		49	103	61	40	10	☺
	DC150-05-08.500D1-	8,5		49	103	61	40	10	☺
	DC150-05-08.600D1-	8,6		49	103	61	40	10	☺
	DC150-05-08.700D1-	8,7		49	103	61	40	10	☺
	DC150-05-08.800D1-	8,8		49	103	61	40	10	☺
	DC150-05-09.000D1-	9		49	103	61	40	10	☺
	DC150-05-09.100D1-	9,1		49	103	61	40	10	☺
	DC150-05-09.200D1-	9,2		49	103	61	40	10	☺
	DC150-05-09.300D1-	9,3		49	103	61	40	10	☺
	DC150-05-09.400D1-	9,4		49	103	61	40	10	☺
	DC150-05-09.500D1-	9,5		49	103	61	40	10	☺
	DC150-05-09.600D1-	9,6		49	103	61	40	10	☺
DC150-05-09.700D1-	9,7		49	103	61	40	10	☺	
DC150-05-09.800D1-	9,8		49	103	61	40	10	☺	
DC150-05-09.900D1-	9,9		49	103	61	40	10	☺	
DC150-05-10.000D1-	10		49	103	61	40	10	☺	
DC150-05-10.100D1-	10,1		56	118	71	45	12	☺	
DC150-05-10.200D1-	10,2		56	118	71	45	12	☺	
DC150-05-10.300D1-	10,3		56	118	71	45	12	☺	
DC150-05-10.400D1-	10,4		56	118	71	45	12	☺	
DC150-05-10.500D1-	10,5		56	118	71	45	12	☺	
DC150-05-10.600D1-	10,6		56	118	71	45	12	☺	
DC150-05-10.800D1-	10,8		56	118	71	45	12	☺	
DC150-05-11.000D1-	11		56	118	71	45	12	☺	
DC150-05-11.100D1-	11,1		56	118	71	45	12	☺	
DC150-05-11.200D1-	11,2		56	118	71	45	12	☺	
DC150-05-11.300D1-	11,3		56	118	71	45	12	☺	
DC150-05-11.500D1-	11,5		56	118	71	45	12	☺	
DC150-05-11.600D1-	11,6		56	118	71	45	12	☺	
DC150-05-11.700D1-	11,7		56	118	71	45	12	☺	
DC150-05-11.800D1-	11,8		56	118	71	45	12	☺	
DC150-05-11.900D1-	11,9		56	118	71	45	12	☺	
DC150-05-12.000D1-	12		56	118	71	45	12	☺	
DC150-05-12.100D1-	12,1		60	124	77	45	14	☺	
DC150-05-12.200D1-	12,2		60	124	77	45	14	☺	
DC150-05-12.300D1-	12,3		60	124	77	45	14	☺	

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

Continued

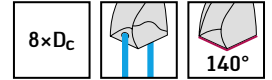
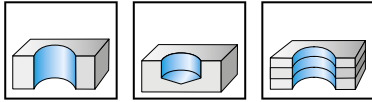


Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
DIN 6535 HE, turned 180° DIN 6535 HB	DC150-05-12.400D1-	12,4		60	124	77	45	14	☺
	DC150-05-12.500D1-	12,5		60	124	77	45	14	☺
	DC150-05-12.700D1-	12,7	1/2"	60	124	77	45	14	☺
	DC150-05-12.800D1-	12,8		60	124	77	45	14	☺
	DC150-05-13.000D1-	13		60	124	77	45	14	☺
	DC150-05-13.100D1-	13,1		60	124	77	45	14	☺
	DC150-05-13.200D1-	13,2		60	124	77	45	14	☺
	DC150-05-13.500D1-	13,5		60	124	77	45	14	☺
	DC150-05-13.800D1-	13,8		60	124	77	45	14	☺
	DC150-05-14.000D1-	14		60	124	77	45	14	☺
	DC150-05-14.100D1-	14,1		63	133	83	48	16	☺
	DC150-05-14.200D1-	14,2		63	133	83	48	16	☺
	DC150-05-14.300D1-	14,3		63	133	83	48	16	☺
	DC150-05-14.500D1-	14,5		63	133	83	48	16	☺
	DC150-05-14.600D1-	14,6		63	133	83	48	16	☺
	DC150-05-14.800D1-	14,8		63	133	83	48	16	☺
	DC150-05-15.000D1-	15		63	133	83	48	16	☺
	DC150-05-15.100D1-	15,1		63	133	83	48	16	☺
	DC150-05-15.200D1-	15,2		63	133	83	48	16	☺
	DC150-05-15.300D1-	15,3		63	133	83	48	16	☺
	DC150-05-15.500D1-	15,5		63	133	83	48	16	☺
	DC150-05-15.600D1-	15,6		63	133	83	48	16	☺
	DC150-05-15.700D1-	15,7		63	133	83	48	16	☺
	DC150-05-15.800D1-	15,8		63	133	83	48	16	☺
	DC150-05-16.000D1-	16		63	133	83	48	16	☺
	DC150-05-16.500D1-	16,5		71	143	93	48	18	☺
	DC150-05-16.600D1-	16,6		71	143	93	48	18	☺
	DC150-05-17.000D1-	17		71	143	93	48	18	☺
	DC150-05-17.200D1-	17,2		71	143	93	48	18	☺
	DC150-05-17.300D1-	17,3		71	143	93	48	18	☺
	DC150-05-17.500D1-	17,5		71	143	93	48	18	☺
	DC150-05-17.700D1-	17,7		71	143	93	48	18	☺
	DC150-05-17.800D1-	17,8		71	143	93	48	18	☺
	DC150-05-18.000D1-	18		71	143	93	48	18	☺
	DC150-05-18.100D1-	18,1		77	153	101	50	20	☺
DC150-05-18.500D1-	18,5		77	153	101	50	20	☺	
DC150-05-18.800D1-	18,8		77	153	101	50	20	☺	
DC150-05-19.000D1-	19		77	153	101	50	20	☺	
DC150-05-19.500D1-	19,5		77	153	101	50	20	☺	
DC150-05-19.700D1-	19,7		77	153	101	50	20	☺	
DC150-05-20.000D1-	20		77	153	101	50	20	☺	

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

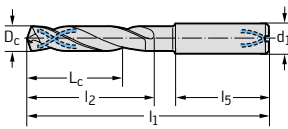
Solid carbide drills with internal coolant DC150 Perform



	P	M	K	N	S	H	O
WJ30TA	●●	●	●●	●●	●●	●	●

Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
DC150-08-03.000A1-	3		28	74	34	36	6	●●
DC150-08-03.100A1-	3,1		28	74	34	36	6	●●
DC150-08-03.175A1-	3,175	1/8"	28	74	34	36	6	●●
DC150-08-03.200A1-	3,2		28	74	34	36	6	●●
DC150-08-03.300A1-	3,3		28	74	34	36	6	●●
DC150-08-03.400A1-	3,4		28	74	34	36	6	●●
DC150-08-03.500A1-	3,5		28	74	34	36	6	●●
DC150-08-03.572A1-	3,572	9/64"	28	74	34	36	6	●●
DC150-08-03.600A1-	3,6		28	74	34	36	6	●●
DC150-08-03.700A1-	3,7		28	74	34	36	6	●●
DC150-08-03.800A1-	3,8		37	85	45	36	6	●●
DC150-08-03.900A1-	3,9		37	85	45	36	6	●●
DC150-08-03.969A1-	3,969	5/32"	37	85	45	36	6	●●
DC150-08-04.000A1-	4		37	85	45	36	6	●●
DC150-08-04.100A1-	4,1		37	85	45	36	6	●●
DC150-08-04.200A1-	4,2		37	85	45	36	6	●●
DC150-08-04.300A1-	4,3		37	85	45	36	6	●●
DC150-08-04.366A1-	4,366	11/64"	37	85	45	36	6	●●
DC150-08-04.400A1-	4,4		37	85	45	36	6	●●
DC150-08-04.500A1-	4,5		37	85	45	36	6	●●
DC150-08-04.600A1-	4,6		37	85	45	36	6	●●
DC150-08-04.700A1-	4,7		37	85	45	36	6	●●
DC150-08-04.763A1-	4,763	3/16"	48	97	57	36	6	●●
DC150-08-04.800A1-	4,8		48	97	57	36	6	●●
DC150-08-04.900A1-	4,9		48	97	57	36	6	●●
DC150-08-05.000A1-	5		48	97	57	36	6	●●
DC150-08-05.100A1-	5,1		48	97	57	36	6	●●
DC150-08-05.159A1-	5,159	13/64"	48	97	57	36	6	●●
DC150-08-05.200A1-	5,2		48	97	57	36	6	●●
DC150-08-05.300A1-	5,3		48	97	57	36	6	●●
DC150-08-05.400A1-	5,4		48	97	57	36	6	●●
DC150-08-05.500A1-	5,5		48	97	57	36	6	●●
DC150-08-05.556A1-	5,556	7/32"	48	97	57	36	6	●●
DC150-08-05.600A1-	5,6		48	97	57	36	6	●●
DC150-08-05.700A1-	5,7		48	97	57	36	6	●●
DC150-08-05.800A1-	5,8		48	97	57	36	6	●●
DC150-08-05.900A1-	5,9		48	97	57	36	6	●●
DC150-08-05.953A1-	5,953	15/64"	48	97	57	36	6	●●
DC150-08-06.000A1-	6		48	97	57	36	6	●●
DC150-08-06.100A1-	6,1		55	106	66	36	8	●●
DC150-08-06.200A1-	6,2		55	106	66	36	8	●●
DC150-08-06.300A1-	6,3		55	106	66	36	8	●●
DC150-08-06.350A1-	6,35	1/4"	55	106	66	36	8	●●

Shank DIN 6535 HA



Ordering example for the WJ30TA grade: DC150-08-03.000A1-WJ30TA

Continued

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

● Other application

Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
	Shank DIN 6535 HA								
	DC150-08-06.400A1-	6,4		55	106	66	36	8	☺
	DC150-08-06.500A1-	6,5		55	106	66	36	8	☺
	DC150-08-06.600A1-	6,6		55	106	66	36	8	☺
	DC150-08-06.700A1-	6,7		55	106	66	36	8	☺
	DC150-08-06.747A1-	6,747	17/64"	55	106	66	36	8	☺
	DC150-08-06.800A1-	6,8		55	106	66	36	8	☺
	DC150-08-06.900A1-	6,9		55	106	66	36	8	☺
	DC150-08-07.000A1-	7		55	106	66	36	8	☺
	DC150-08-07.100A1-	7,1		64	116	76	36	8	☺
	DC150-08-07.144A1-	7,144	9/32"	64	116	76	36	8	☺
	DC150-08-07.200A1-	7,2		64	116	76	36	8	☺
	DC150-08-07.300A1-	7,3		64	116	76	36	8	☺
	DC150-08-07.400A1-	7,4		64	116	76	36	8	☺
	DC150-08-07.500A1-	7,5		64	116	76	36	8	☺
	DC150-08-07.541A1-	7,541	19/64"	64	116	76	36	8	☺
	DC150-08-07.600A1-	7,6		64	116	76	36	8	☺
	DC150-08-07.700A1-	7,7		64	116	76	36	8	☺
	DC150-08-07.800A1-	7,8		64	116	76	36	8	☺
	DC150-08-07.900A1-	7,9		64	116	76	36	8	☺
	DC150-08-07.938A1-	7,938	5/16"	64	116	76	36	8	☺
	DC150-08-08.000A1-	8		64	116	76	36	8	☺
	DC150-08-08.100A1-	8,1		80	139	95	40	10	☺
	DC150-08-08.200A1-	8,2		80	139	95	40	10	☺
	DC150-08-08.300A1-	8,3		80	139	95	40	10	☺
	DC150-08-08.334A1-	8,334	21/64"	80	139	95	40	10	☺
	DC150-08-08.400A1-	8,4		80	139	95	40	10	☺
	DC150-08-08.500A1-	8,5		80	139	95	40	10	☺
	DC150-08-08.600A1-	8,6		80	139	95	40	10	☺
	DC150-08-08.700A1-	8,7		80	139	95	40	10	☺
	DC150-08-08.731A1-	8,731	11/32"	80	139	95	40	10	☺
	DC150-08-08.800A1-	8,8		80	139	95	40	10	☺
	DC150-08-08.900A1-	8,9		80	139	95	40	10	☺
	DC150-08-09.000A1-	9		80	139	95	40	10	☺
DC150-08-09.100A1-	9,1		80	139	95	40	10	☺	
DC150-08-09.128A1-	9,128	23/64"	80	139	95	40	10	☺	
DC150-08-09.200A1-	9,2		80	139	95	40	10	☺	
DC150-08-09.300A1-	9,3		80	139	95	40	10	☺	
DC150-08-09.400A1-	9,4		80	139	95	40	10	☺	
DC150-08-09.500A1-	9,5		80	139	95	40	10	☺	
DC150-08-09.525A1-	9,525	3/8"	80	139	95	40	10	☺	
DC150-08-09.600A1-	9,6		80	139	95	40	10	☺	
DC150-08-09.700A1-	9,7		80	139	95	40	10	☺	
DC150-08-09.800A1-	9,8		80	139	95	40	10	☺	
DC150-08-09.900A1-	9,9		80	139	95	40	10	☺	
DC150-08-09.922A1-	9,922	25/64"	80	139	95	40	10	☺	
DC150-08-10.000A1-	10		80	139	95	40	10	☺	
DC150-08-10.100A1-	10,1		96	163	114	45	12	☺	
DC150-08-10.200A1-	10,2		96	163	114	45	12	☺	
DC150-08-10.300A1-	10,3		96	163	114	45	12	☺	
DC150-08-10.319A1-	10,319	13/32"	96	163	114	45	12	☺	
DC150-08-10.400A1-	10,4		96	163	114	45	12	☺	
DC150-08-10.500A1-	10,5		96	163	114	45	12	☺	
DC150-08-10.700A1-	10,7		96	163	114	45	12	☺	
DC150-08-10.716A1-	10,716	27/64"	96	163	114	45	12	☺	
DC150-08-10.800A1-	10,8		96	163	114	45	12	☺	
DC150-08-10.900A1-	10,9		96	163	114	45	12	☺	
DC150-08-11.000A1-	11		96	163	114	45	12	☺	
DC150-08-11.100A1-	11,1		96	163	114	45	12	☺	
DC150-08-11.113A1-	11,113	7/16"	96	163	114	45	12	☺	
DC150-08-11.200A1-	11,2		96	163	114	45	12	☺	
DC150-08-11.300A1-	11,3		96	163	114	45	12	☺	

Ordering example for the WJ30TA grade: DC150-08-03.000A1-WJ30TA

Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
	DC150-08-11.500A1-	11,5		96	163	114	45	12	☺
	DC150-08-11.600A1-	11,6		96	163	114	45	12	☺
	DC150-08-11.700A1-	11,7		96	163	114	45	12	☺
	DC150-08-11.800A1-	11,8		96	163	114	45	12	☺
	DC150-08-11.900A1-	11,9		96	163	114	45	12	☺
	DC150-08-11.906A1-	11,906	15/32"	96	163	114	45	12	☺
	DC150-08-12.000A1-	12		96	163	114	45	12	☺
	DC150-08-12.303A1-	12,303	31/64"	119	182	133	45	14	☺
	DC150-08-12.500A1-	12,5		119	182	133	45	14	☺
	DC150-08-12.700A1-	12,7	1/2"	119	182	133	45	14	☺
	DC150-08-13.000A1-	13		119	182	133	45	14	☺
	DC150-08-13.494A1-	13,494	17/32"	119	182	133	45	14	☺
	DC150-08-13.500A1-	13,5		119	182	133	45	14	☺
	DC150-08-14.000A1-	14		119	182	133	45	14	☺
	DC150-08-14.288A1-	14,288	9/16"	136	204	152	48	16	☺
	DC150-08-14.500A1-	14,5		136	204	152	48	16	☺
	DC150-08-15.000A1-	15		136	204	152	48	16	☺
	DC150-08-15.500A1-	15,5		136	204	152	48	16	☺
	DC150-08-15.875A1-	15,875	5/8"	136	204	152	48	16	☺
	DC150-08-16.000A1-	16		136	204	152	48	16	☺
DC150-08-16.500A1-	16,5		153	223	171	48	18	☺	
DC150-08-17.000A1-	17		153	223	171	48	18	☺	
DC150-08-17.500A1-	17,5		153	223	171	48	18	☺	
DC150-08-18.000A1-	18		153	223	171	48	18	☺	
DC150-08-18.500A1-	18,5		170	244	190	50	20	☺	
DC150-08-19.000A1-	19		170	244	190	50	20	☺	
DC150-08-19.050A1-	19,05	3/4"	170	244	190	50	20	☺	
DC150-08-19.500A1-	19,5		170	244	190	50	20	☺	
DC150-08-20.000A1-	20		170	244	190	50	20	☺	

Ordering example for the WJ30TA grade: DC150-08-03.000A1-WJ30TA

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

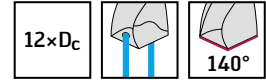
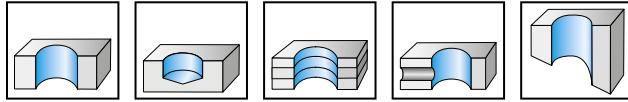
machining conditions

•• Primary application

• Other application

Solid carbide drills with internal coolant

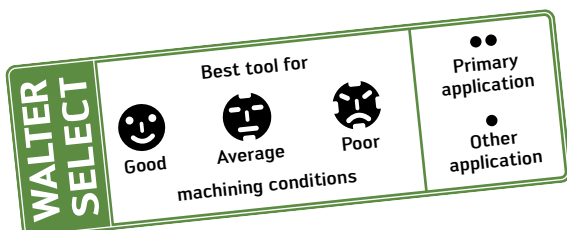
DC150 Perform



Shank DIN 6535 HA	Designation	D _c	D _c	L _c	l ₁	l ₂	l ₅	d ₁	WJ30TA
		m7	Inch/No.	mm	mm	mm	mm	h6	
	DC150-12-03.000A1-	3		48	92	54	36	6	●●●
	DC150-12-03.100A1-	3,1		48	92	54	36	6	●●●
	DC150-12-03.175A1-	3,175	1/8"	48	92	54	36	6	●●●
	DC150-12-03.200A1-	3,2		48	92	54	36	6	●●●
	DC150-12-03.300A1-	3,3		48	92	54	36	6	●●●
	DC150-12-03.400A1-	3,4		48	92	54	36	6	●●●
	DC150-12-03.500A1-	3,5		48	92	54	36	6	●●●
	DC150-12-03.572A1-	3,572	9/64"	48	92	54	36	6	●●●
	DC150-12-03.600A1-	3,6		48	92	54	36	6	●●●
	DC150-12-03.700A1-	3,7		48	92	54	36	6	●●●
	DC150-12-03.800A1-	3,8		56	102	64	36	6	●●●
	DC150-12-03.900A1-	3,9		56	102	64	36	6	●●●
	DC150-12-03.969A1-	3,969	5/32"	56	102	64	36	6	●●●
	DC150-12-04.000A1-	4		56	102	64	36	6	●●●
	DC150-12-04.100A1-	4,1		56	102	64	36	6	●●●
	DC150-12-04.200A1-	4,2		56	102	64	36	6	●●●
	DC150-12-04.300A1-	4,3		56	102	64	36	6	●●●
	DC150-12-04.366A1-	4,366	11/64"	56	102	64	36	6	●●●
	DC150-12-04.400A1-	4,4		56	102	64	36	6	●●●
	DC150-12-04.500A1-	4,5		56	102	64	36	6	●●●
	DC150-12-04.600A1-	4,6		56	102	64	36	6	●●●
	DC150-12-04.700A1-	4,7		56	102	64	36	6	●●●
	DC150-12-04.763A1-	4,763	3/16"	74	121	83	36	6	●●●
	DC150-12-04.800A1-	4,8		74	121	83	36	6	●●●
	DC150-12-04.900A1-	4,9		74	121	83	36	6	●●●
	DC150-12-05.000A1-	5		74	121	83	36	6	●●●
	DC150-12-05.100A1-	5,1		74	121	83	36	6	●●●
	DC150-12-05.159A1-	5,159	13/64"	74	121	83	36	6	●●●
	DC150-12-05.200A1-	5,2		74	121	83	36	6	●●●
	DC150-12-05.300A1-	5,3		74	121	83	36	6	●●●
	DC150-12-05.400A1-	5,4		74	121	83	36	6	●●●
	DC150-12-05.500A1-	5,5		74	121	83	36	6	●●●
	DC150-12-05.550A1-	5,55		74	121	83	36	6	●●●
	DC150-12-05.556A1-	5,556	7/32"	74	121	83	36	6	●●●
	DC150-12-05.600A1-	5,6		74	121	83	36	6	●●●
	DC150-12-05.700A1-	5,7		74	121	83	36	6	●●●
	DC150-12-05.800A1-	5,8		74	121	83	36	6	●●●
	DC150-12-05.900A1-	5,9		74	121	83	36	6	●●●
	DC150-12-06.000A1-	6		74	121	83	36	6	●●●
	DC150-12-06.100A1-	6,1		98	148	110	36	8	●●●
	DC150-12-06.200A1-	6,2		98	148	110	36	8	●●●
	DC150-12-06.300A1-	6,3		98	148	110	36	8	●●●
	DC150-12-06.350A1-	6,35	1/4"	98	148	110	36	8	●●●

Ordering example for the WJ30TA grade: DC150-12-03.000A1-WJ30TA

Continued



Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
Shank DIN 6535 HA 	DC150-12-06.400A1-	6,4		98	148	110	36	8	☺
	DC150-12-06.500A1-	6,5		98	148	110	36	8	☺
	DC150-12-06.600A1-	6,6		98	148	110	36	8	☺
	DC150-12-06.700A1-	6,7		98	148	110	36	8	☺
	DC150-12-06.747A1-	6,747	17/64"	98	148	110	36	8	☺
	DC150-12-06.800A1-	6,8		98	148	110	36	8	☺
	DC150-12-06.900A1-	6,9		98	148	110	36	8	☺
	DC150-12-07.000A1-	7		98	148	110	36	8	☺
	DC150-12-07.100A1-	7,1		98	148	110	36	8	☺
	DC150-12-07.144A1-	7,144	9/32"	98	148	110	36	8	☺
	DC150-12-07.200A1-	7,2		98	148	110	36	8	☺
	DC150-12-07.300A1-	7,3		98	148	110	36	8	☺
	DC150-12-07.400A1-	7,4		98	148	110	36	8	☺
	DC150-12-07.500A1-	7,5		98	148	110	36	8	☺
	DC150-12-07.541A1-	7,541	19/64"	98	148	110	36	8	☺
	DC150-12-07.800A1-	7,8		98	148	110	36	8	☺
	DC150-12-07.900A1-	7,9		98	148	110	36	8	☺
	DC150-12-07.938A1-	7,938	5/16"	98	148	110	36	8	☺
	DC150-12-08.000A1-	8		98	148	110	36	8	☺
	DC150-12-08.100A1-	8,1		123	180	138	40	10	☺
	DC150-12-08.200A1-	8,2		123	180	138	40	10	☺
	DC150-12-08.300A1-	8,3		123	180	138	40	10	☺
	DC150-12-08.400A1-	8,4		123	180	138	40	10	☺
	DC150-12-08.500A1-	8,5		123	180	138	40	10	☺
	DC150-12-08.600A1-	8,6		123	180	138	40	10	☺
	DC150-12-08.700A1-	8,7		123	180	138	40	10	☺
	DC150-12-08.731A1-	8,731	11/32"	123	180	138	40	10	☺
	DC150-12-08.800A1-	8,8		123	180	138	40	10	☺
	DC150-12-09.000A1-	9		123	180	138	40	10	☺
	DC150-12-09.128A1-	9,128	23/64"	123	180	138	40	10	☺
	DC150-12-09.200A1-	9,2		123	180	138	40	10	☺
	DC150-12-09.300A1-	9,3		123	180	138	40	10	☺
	DC150-12-09.500A1-	9,5		123	180	138	40	10	☺
	DC150-12-09.525A1-	9,525	3/8"	123	180	138	40	10	☺
	DC150-12-09.600A1-	9,6		123	180	138	40	10	☺
	DC150-12-09.700A1-	9,7		123	180	138	40	10	☺
	DC150-12-09.800A1-	9,8		123	180	138	40	10	☺
	DC150-12-09.922A1-	9,922	25/64"	123	180	138	40	10	☺
	DC150-12-10.000A1-	10		123	180	138	40	10	☺
	DC150-12-10.100A1-	10,1		140	206	158	45	12	☺
	DC150-12-10.200A1-	10,2		140	206	158	45	12	☺
	DC150-12-10.300A1-	10,3		140	206	158	45	12	☺
	DC150-12-10.319A1-	10,319	13/32"	140	206	158	45	12	☺
	DC150-12-10.500A1-	10,5		140	206	158	45	12	☺
	DC150-12-10.716A1-	10,716	27/64"	140	206	158	45	12	☺
DC150-12-10.800A1-	10,8		140	206	158	45	12	☺	
DC150-12-11.000A1-	11		140	206	158	45	12	☺	
DC150-12-11.100A1-	11,1		140	206	158	45	12	☺	
DC150-12-11.113A1-	11,113	7/16"	140	206	158	45	12	☺	
DC150-12-11.200A1-	11,2		140	206	158	45	12	☺	
DC150-12-11.500A1-	11,5		140	206	158	45	12	☺	
DC150-12-11.509A1-	11,509	29/64"	140	206	158	45	12	☺	
DC150-12-11.700A1-	11,7		140	206	158	45	12	☺	
DC150-12-11.800A1-	11,8		140	206	158	45	12	☺	
DC150-12-11.906A1-	11,906	15/32"	140	206	158	45	12	☺	
DC150-12-12.000A1-	12		140	206	158	45	12	☺	
DC150-12-12.100A1-	12,1		168	230	182	45	14	☺	
DC150-12-12.200A1-	12,2		168	230	182	45	14	☺	
DC150-12-12.300A1-	12,3		168	230	182	45	14	☺	
DC150-12-12.303A1-	12,303	31/64"	168	230	182	45	14	☺	
DC150-12-12.500A1-	12,5		168	230	182	45	14	☺	

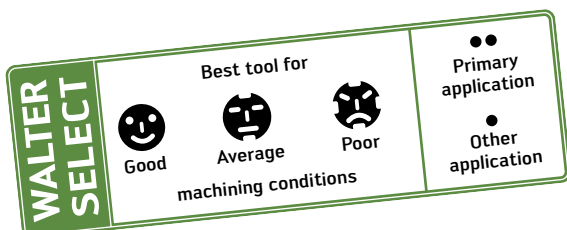
Ordering example for the WJ30TA grade: DC150-12-03.000A1-WJ30TA

Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
	DC150-12-12.600A1-	12,6		168	230	182	45	14	
	DC150-12-12.700A1-	12,7	1/2"	168	230	182	45	14	
	DC150-12-13.000A1-	13		168	230	182	45	14	
	DC150-12-13.494A1-	13,494	17/32"	168	230	182	45	14	
	DC150-12-13.500A1-	13,5		168	230	182	45	14	
	DC150-12-14.000A1-	14		168	230	182	45	14	
	DC150-12-14.288A1-	14,288	9/16"	192	260	208	48	16	
	DC150-12-14.500A1-	14,5		192	260	208	48	16	
	DC150-12-15.000A1-	15		192	260	208	48	16	
	DC150-12-15.500A1-	15,5		192	260	208	48	16	
	DC150-12-15.875A1-	15,875	5/8"	192	260	208	48	16	
	DC150-12-16.000A1-	16		192	260	208	48	16	
	DC150-12-16.500A1-	16,5		216	285	234	48	18	
	DC150-12-17.000A1-	17		216	285	234	48	18	
	DC150-12-17.500A1-	17,5		216	285	234	48	18	
	DC150-12-18.000A1-	18		216	285	234	48	18	
	DC150-12-19.000A1-	19		238	310	258	50	20	
	DC150-12-20.000A1-	20		238	310	258	50	20	

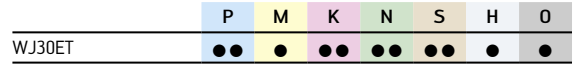
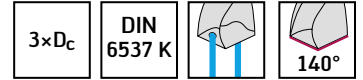
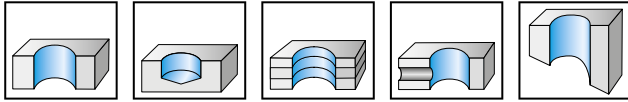
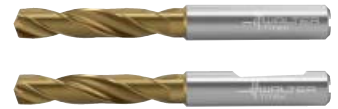
Ordering example for the WJ30TA grade: DC150-12-03.000A1-WJ30TA



Solid carbide drills with internal coolant

DC160 Advance

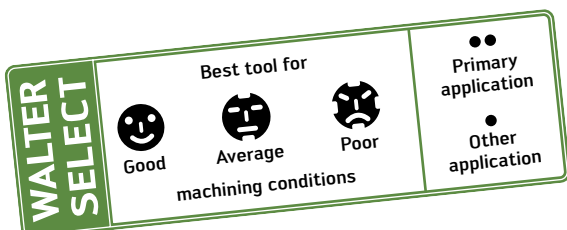
X-treme Evo



Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
DC160-03-03.000A1-	3		14	62	20	36	6	●●
DC160-03-03.100A1-	3,1		14	62	20	36	6	●●
DC160-03-03.175A1-	3,175	1/8"	14	62	20	36	6	●●
DC160-03-03.200A1-	3,2		14	62	20	36	6	●●
DC160-03-03.250A1-	3,25		14	62	20	36	6	●●
DC160-03-03.300A1-	3,3		14	62	20	36	6	●●
DC160-03-03.400A1-	3,4		14	62	20	36	6	●●
DC160-03-03.500A1-	3,5		14	62	20	36	6	●●
DC160-03-03.572A1-	3,572	9/64"	14	62	20	36	6	●●
DC160-03-03.600A1-	3,6		14	62	20	36	6	●●
DC160-03-03.650A1-	3,65		14	62	20	36	6	●●
DC160-03-03.700A1-	3,7		14	62	20	36	6	●●
DC160-03-03.800A1-	3,8		17	66	24	36	6	●●
DC160-03-03.900A1-	3,9		17	66	24	36	6	●●
DC160-03-03.969A1-	3,969	5/32"	17	66	24	36	6	●●
DC160-03-04.000A1-	4		17	66	24	36	6	●●
DC160-03-04.100A1-	4,1		17	66	24	36	6	●●
DC160-03-04.200A1-	4,2		17	66	24	36	6	●●
DC160-03-04.300A1-	4,3		17	66	24	36	6	●●
DC160-03-04.366A1-	4,366	11/64"	17	66	24	36	6	●●
DC160-03-04.400A1-	4,4		17	66	24	36	6	●●
DC160-03-04.500A1-	4,5		17	66	24	36	6	●●
DC160-03-04.600A1-	4,6		17	66	24	36	6	●●
DC160-03-04.650A1-	4,65		17	66	24	36	6	●●
DC160-03-04.700A1-	4,7		17	66	24	36	6	●●
DC160-03-04.763A1-	4,763	3/16"	20	66	28	36	6	●●
DC160-03-04.800A1-	4,8		20	66	28	36	6	●●
DC160-03-04.900A1-	4,9		20	66	28	36	6	●●
DC160-03-05.000A1-	5		20	66	28	36	6	●●
DC160-03-05.100A1-	5,1		20	66	28	36	6	●●
DC160-03-05.159A1-	5,159	13/64"	20	66	28	36	6	●●
DC160-03-05.200A1-	5,2		20	66	28	36	6	●●
DC160-03-05.300A1-	5,3		20	66	28	36	6	●●
DC160-03-05.400A1-	5,4		20	66	28	36	6	●●
DC160-03-05.500A1-	5,5		20	66	28	36	6	●●
DC160-03-05.550A1-	5,55		20	66	28	36	6	●●
DC160-03-05.556A1-	5,556	7/32"	20	66	28	36	6	●●
DC160-03-05.600A1-	5,6		20	66	28	36	6	●●
DC160-03-05.700A1-	5,7		20	66	28	36	6	●●
DC160-03-05.800A1-	5,8		20	66	28	36	6	●●
DC160-03-05.900A1-	5,9		20	66	28	36	6	●●
DC160-03-05.953A1-	5,953	15/64"	20	66	28	36	6	●●
DC160-03-06.000A1-	6		20	66	28	36	6	●●

Ordering example for the WJ30ET grade: DC160-03-03.000A1-WJ30ET

Continued



Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
Shank DIN 6535 HA 	DC160-03-06.100A1-	6,1		24	79	34	36	8	☺
	DC160-03-06.200A1-	6,2		24	79	34	36	8	☺
	DC160-03-06.300A1-	6,3		24	79	34	36	8	☺
	DC160-03-06.350A1-	6,35	1/4"	24	79	34	36	8	☺
	DC160-03-06.400A1-	6,4		24	79	34	36	8	☺
	DC160-03-06.500A1-	6,5		24	79	34	36	8	☺
	DC160-03-06.600A1-	6,6		24	79	34	36	8	☺
	DC160-03-06.700A1-	6,7		24	79	34	36	8	☺
	DC160-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☺
	DC160-03-06.800A1-	6,8		24	79	34	36	8	☺
	DC160-03-06.900A1-	6,9		24	79	34	36	8	☺
	DC160-03-07.000A1-	7		24	79	34	36	8	☺
	DC160-03-07.100A1-	7,1		29	79	41	36	8	☺
	DC160-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☺
	DC160-03-07.200A1-	7,2		29	79	41	36	8	☺
	DC160-03-07.300A1-	7,3		29	79	41	36	8	☺
	DC160-03-07.400A1-	7,4		29	79	41	36	8	☺
	DC160-03-07.500A1-	7,5		29	79	41	36	8	☺
	DC160-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☺
	DC160-03-07.550A1-	7,55		29	79	41	36	8	☺
	DC160-03-07.600A1-	7,6		29	79	41	36	8	☺
	DC160-03-07.700A1-	7,7		29	79	41	36	8	☺
	DC160-03-07.800A1-	7,8		29	79	41	36	8	☺
	DC160-03-07.900A1-	7,9		29	79	41	36	8	☺
	DC160-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☺
	DC160-03-08.000A1-	8		29	79	41	36	8	☺
	DC160-03-08.100A1-	8,1		35	89	47	40	10	☺
	DC160-03-08.200A1-	8,2		35	89	47	40	10	☺
	DC160-03-08.300A1-	8,3		35	89	47	40	10	☺
	DC160-03-08.334A1-	8,334	21/64"	35	89	47	40	10	☺
	DC160-03-08.400A1-	8,4		35	89	47	40	10	☺
	DC160-03-08.500A1-	8,5		35	89	47	40	10	☺
	DC160-03-08.600A1-	8,6		35	89	47	40	10	☺
	DC160-03-08.700A1-	8,7		35	89	47	40	10	☺
	DC160-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☺
	DC160-03-08.800A1-	8,8		35	89	47	40	10	☺
	DC160-03-08.900A1-	8,9		35	89	47	40	10	☺
	DC160-03-09.000A1-	9		35	89	47	40	10	☺
	DC160-03-09.100A1-	9,1		35	89	47	40	10	☺
	DC160-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☺
DC160-03-09.200A1-	9,2		35	89	47	40	10	☺	
DC160-03-09.300A1-	9,3		35	89	47	40	10	☺	
DC160-03-09.400A1-	9,4		35	89	47	40	10	☺	
DC160-03-09.500A1-	9,5		35	89	47	40	10	☺	
DC160-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☺	
DC160-03-09.550A1-	9,55		35	89	47	40	10	☺	
DC160-03-09.600A1-	9,6		35	89	47	40	10	☺	
DC160-03-09.700A1-	9,7		35	89	47	40	10	☺	
DC160-03-09.800A1-	9,8		35	89	47	40	10	☺	
DC160-03-09.900A1-	9,9		35	89	47	40	10	☺	
DC160-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☺	
DC160-03-10.000A1-	10		35	89	47	40	10	☺	
DC160-03-10.100A1-	10,1		40	102	55	45	12	☺	
DC160-03-10.200A1-	10,2		40	102	55	45	12	☺	
DC160-03-10.300A1-	10,3		40	102	55	45	12	☺	
DC160-03-10.319A1-	10,319	13/32"	40	102	55	45	12	☺	
DC160-03-10.400A1-	10,4		40	102	55	45	12	☺	
DC160-03-10.500A1-	10,5		40	102	55	45	12	☺	
DC160-03-10.600A1-	10,6		40	102	55	45	12	☺	
DC160-03-10.700A1-	10,7		40	102	55	45	12	☺	
DC160-03-10.716A1-	10,716	27/64"	40	102	55	45	12	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A1-WJ30ET

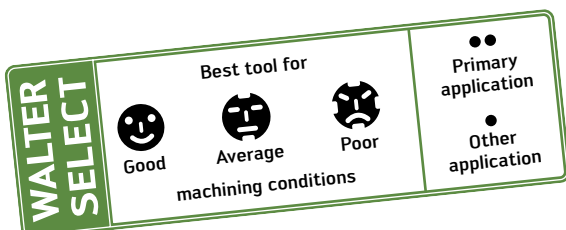
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET	
	Shank DIN 6535 HA	DC160-03-10.800A1-		40	102	55	45	12	☺	
		DC160-03-10.900A1-		40	102	55	45	12	☺	
		DC160-03-11.000A1-		40	102	55	45	12	☺	
		DC160-03-11.100A1-		40	102	55	45	12	☺	
		DC160-03-11.113A1-	11,113	7/16"	40	102	55	45	12	☺
		DC160-03-11.200A1-	11,2		40	102	55	45	12	☺
		DC160-03-11.300A1-	11,3		40	102	55	45	12	☺
		DC160-03-11.400A1-	11,4		40	102	55	45	12	☺
		DC160-03-11.500A1-	11,5		40	102	55	45	12	☺
		DC160-03-11.509A1-	11,509	29/64"	40	102	55	45	12	☺
		DC160-03-11.550A1-	11,55		40	102	55	45	12	☺
		DC160-03-11.600A1-	11,6		40	102	55	45	12	☺
		DC160-03-11.700A1-	11,7		40	102	55	45	12	☺
		DC160-03-11.800A1-	11,8		40	102	55	45	12	☺
		DC160-03-11.900A1-	11,9		40	102	55	45	12	☺
		DC160-03-11.906A1-	11,906	15/32"	40	102	55	45	12	☺
		DC160-03-12.000A1-	12		40	102	55	45	12	☺
		DC160-03-12.100A1-	12,1		43	107	60	45	14	☺
		DC160-03-12.200A1-	12,2		43	107	60	45	14	☺
		DC160-03-12.250A1-	12,25		43	107	60	45	14	☺
		DC160-03-12.300A1-	12,3		43	107	60	45	14	☺
		DC160-03-12.303A1-	12,303	31/64"	43	107	60	45	14	☺
		DC160-03-12.400A1-	12,4		43	107	60	45	14	☺
		DC160-03-12.500A1-	12,5		43	107	60	45	14	☺
		DC160-03-12.600A1-	12,6		43	107	60	45	14	☺
		DC160-03-12.700A1-	12,7	1/2"	43	107	60	45	14	☺
		DC160-03-12.750A1-	12,75		43	107	60	45	14	☺
		DC160-03-12.800A1-	12,8		43	107	60	45	14	☺
		DC160-03-12.900A1-	12,9		43	107	60	45	14	☺
		DC160-03-13.000A1-	13		43	107	60	45	14	☺
		DC160-03-13.100A1-	13,1		43	107	60	45	14	☺
		DC160-03-13.200A1-	13,2		43	107	60	45	14	☺
		DC160-03-13.300A1-	13,3		43	107	60	45	14	☺
		DC160-03-13.400A1-	13,4		43	107	60	45	14	☺
		DC160-03-13.494A1-	13,494	17/32"	43	107	60	45	14	☺
	DC160-03-13.500A1-	13,5		43	107	60	45	14	☺	
	DC160-03-13.600A1-	13,6		43	107	60	45	14	☺	
	DC160-03-13.700A1-	13,7		43	107	60	45	14	☺	
	DC160-03-13.800A1-	13,8		43	107	60	45	14	☺	
	DC160-03-13.900A1-	13,9		43	107	60	45	14	☺	
	DC160-03-14.000A1-	14		43	107	60	45	14	☺	
	DC160-03-14.100A1-	14,1		45	115	65	48	16	☺	
	DC160-03-14.200A1-	14,2		45	115	65	48	16	☺	
	DC160-03-14.288A1-	14,288	9/16"	45	115	65	48	16	☺	
	DC160-03-14.300A1-	14,3		45	115	65	48	16	☺	
	DC160-03-14.400A1-	14,4		45	115	65	48	16	☺	
	DC160-03-14.500A1-	14,5		45	115	65	48	16	☺	
	DC160-03-14.600A1-	14,6		45	115	65	48	16	☺	
	DC160-03-14.700A1-	14,7		45	115	65	48	16	☺	
	DC160-03-14.800A1-	14,8		45	115	65	48	16	☺	
	DC160-03-15.000A1-	15		45	115	65	48	16	☺	
	DC160-03-15.100A1-	15,1		45	115	65	48	16	☺	
	DC160-03-15.200A1-	15,2		45	115	65	48	16	☺	
	DC160-03-15.300A1-	15,3		45	115	65	48	16	☺	
	DC160-03-15.500A1-	15,5		45	115	65	48	16	☺	
	DC160-03-15.600A1-	15,6		45	115	65	48	16	☺	
	DC160-03-15.700A1-	15,7		45	115	65	48	16	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A1-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
Shank DIN 6535 HA 	DC160-03-15.800A1-	15,8		45	115	65	48	16	☺
	DC160-03-15.875A1-	15,875	5/8"	45	115	65	48	16	☺
	DC160-03-15.900A1-	15,9		45	115	65	48	16	☺
	DC160-03-16.000A1-	16		45	115	65	48	16	☺
	DC160-03-16.100A1-	16,1		51	123	73	48	18	☺
	DC160-03-16.200A1-	16,2		51	123	73	48	18	☺
	DC160-03-16.300A1-	16,3		51	123	73	48	18	☺
	DC160-03-16.400A1-	16,4		51	123	73	48	18	☺
	DC160-03-16.500A1-	16,5		51	123	73	48	18	☺
	DC160-03-16.600A1-	16,6		51	123	73	48	18	☺
	DC160-03-16.700A1-	16,7		51	123	73	48	18	☺
	DC160-03-16.750A1-	16,75		51	123	73	48	18	☺
	DC160-03-16.800A1-	16,8		51	123	73	48	18	☺
	DC160-03-17.000A1-	17		51	123	73	48	18	☺
	DC160-03-17.200A1-	17,2		51	123	73	48	18	☺
	DC160-03-17.300A1-	17,3		51	123	73	48	18	☺
	DC160-03-17.500A1-	17,5		51	123	73	48	18	☺
	DC160-03-17.600A1-	17,6		51	123	73	48	18	☺
	DC160-03-17.700A1-	17,7		51	123	73	48	18	☺
	DC160-03-17.800A1-	17,8		51	123	73	48	18	☺
DC160-03-18.000A1-	18		51	123	73	48	18	☺	
DC160-03-18.200A1-	18,2		55	131	79	50	20	☺	
DC160-03-18.500A1-	18,5		55	131	79	50	20	☺	
DC160-03-18.700A1-	18,7		55	131	79	50	20	☺	
DC160-03-18.800A1-	18,8		55	131	79	50	20	☺	
DC160-03-19.000A1-	19		55	131	79	50	20	☺	
DC160-03-19.050A1-	19,05	3/4"	55	131	79	50	20	☺	
DC160-03-19.500A1-	19,5		55	131	79	50	20	☺	
DC160-03-19.700A1-	19,7		55	131	79	50	20	☺	
DC160-03-19.800A1-	19,8		55	131	79	50	20	☺	
DC160-03-20.000A1-	20		55	131	79	50	20	☺	
Shank DIN 6535 HE 	DC160-03-03.000F1-	3		14	62	20	36	6	☺
	DC160-03-03.100F1-	3,1		14	62	20	36	6	☺
	DC160-03-03.200F1-	3,2		14	62	20	36	6	☺
	DC160-03-03.250F1-	3,25		14	62	20	36	6	☺
	DC160-03-03.300F1-	3,3		14	62	20	36	6	☺
	DC160-03-03.400F1-	3,4		14	62	20	36	6	☺
	DC160-03-03.500F1-	3,5		14	62	20	36	6	☺
	DC160-03-03.600F1-	3,6		14	62	20	36	6	☺
	DC160-03-03.650F1-	3,65		14	62	20	36	6	☺
	DC160-03-03.700F1-	3,7		14	62	20	36	6	☺
	DC160-03-03.800F1-	3,8		17	66	24	36	6	☺
	DC160-03-03.900F1-	3,9		17	66	24	36	6	☺
	DC160-03-04.000F1-	4		17	66	24	36	6	☺
	DC160-03-04.100F1-	4,1		17	66	24	36	6	☺
	DC160-03-04.200F1-	4,2		17	66	24	36	6	☺
	DC160-03-04.300F1-	4,3		17	66	24	36	6	☺
	DC160-03-04.400F1-	4,4		17	66	24	36	6	☺
	DC160-03-04.500F1-	4,5		17	66	24	36	6	☺
	DC160-03-04.600F1-	4,6		17	66	24	36	6	☺
	DC160-03-04.650F1-	4,65		17	66	24	36	6	☺
	DC160-03-04.700F1-	4,7		17	66	24	36	6	☺
	DC160-03-04.800F1-	4,8		20	66	28	36	6	☺
	DC160-03-04.900F1-	4,9		20	66	28	36	6	☺
	DC160-03-05.000F1-	5		20	66	28	36	6	☺
	DC160-03-05.100F1-	5,1		20	66	28	36	6	☺
	DC160-03-05.200F1-	5,2		20	66	28	36	6	☺
	DC160-03-05.300F1-	5,3		20	66	28	36	6	☺
	DC160-03-05.400F1-	5,4		20	66	28	36	6	☺
DC160-03-05.500F1-	5,5		20	66	28	36	6	☺	
DC160-03-05.550F1-	5,55		20	66	28	36	6	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A1-WJ30ET

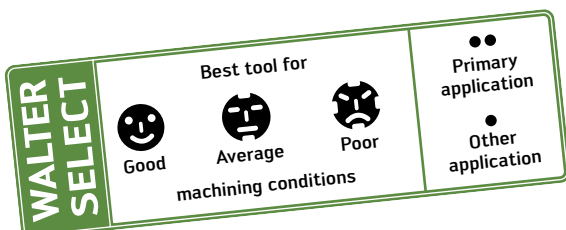
Continued

Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HE	DC160-03-05.600F1-	5,6	20	66	28	36	6	☺
		DC160-03-05.700F1-	5,7	20	66	28	36	6	☺
		DC160-03-05.800F1-	5,8	20	66	28	36	6	☺
		DC160-03-05.900F1-	5,9	20	66	28	36	6	☺
		DC160-03-06.000F1-	6	20	66	28	36	6	☺
		DC160-03-06.100F1-	6,1	24	79	34	36	8	☺
		DC160-03-06.200F1-	6,2	24	79	34	36	8	☺
		DC160-03-06.300F1-	6,3	24	79	34	36	8	☺
		DC160-03-06.400F1-	6,4	24	79	34	36	8	☺
		DC160-03-06.500F1-	6,5	24	79	34	36	8	☺
		DC160-03-06.600F1-	6,6	24	79	34	36	8	☺
		DC160-03-06.700F1-	6,7	24	79	34	36	8	☺
		DC160-03-06.800F1-	6,8	24	79	34	36	8	☺
		DC160-03-06.900F1-	6,9	24	79	34	36	8	☺
		DC160-03-07.000F1-	7	24	79	34	36	8	☺
		DC160-03-07.100F1-	7,1	29	79	41	36	8	☺
		DC160-03-07.200F1-	7,2	29	79	41	36	8	☺
		DC160-03-07.300F1-	7,3	29	79	41	36	8	☺
		DC160-03-07.400F1-	7,4	29	79	41	36	8	☺
		DC160-03-07.500F1-	7,5	29	79	41	36	8	☺
		DC160-03-07.550F1-	7,55	29	79	41	36	8	☺
		DC160-03-07.600F1-	7,6	29	79	41	36	8	☺
		DC160-03-07.700F1-	7,7	29	79	41	36	8	☺
		DC160-03-07.800F1-	7,8	29	79	41	36	8	☺
		DC160-03-07.900F1-	7,9	29	79	41	36	8	☺
		DC160-03-08.000F1-	8	29	79	41	36	8	☺
		DC160-03-08.100F1-	8,1	35	89	47	40	10	☺
		DC160-03-08.200F1-	8,2	35	89	47	40	10	☺
		DC160-03-08.300F1-	8,3	35	89	47	40	10	☺
		DC160-03-08.400F1-	8,4	35	89	47	40	10	☺
		DC160-03-08.500F1-	8,5	35	89	47	40	10	☺
		DC160-03-08.600F1-	8,6	35	89	47	40	10	☺
		DC160-03-08.700F1-	8,7	35	89	47	40	10	☺
		DC160-03-08.800F1-	8,8	35	89	47	40	10	☺
		DC160-03-08.900F1-	8,9	35	89	47	40	10	☺
	DC160-03-09.000F1-	9	35	89	47	40	10	☺	
	DC160-03-09.100F1-	9,1	35	89	47	40	10	☺	
	DC160-03-09.200F1-	9,2	35	89	47	40	10	☺	
	DC160-03-09.300F1-	9,3	35	89	47	40	10	☺	
	DC160-03-09.400F1-	9,4	35	89	47	40	10	☺	
	DC160-03-09.500F1-	9,5	35	89	47	40	10	☺	
	DC160-03-09.550F1-	9,55	35	89	47	40	10	☺	
	DC160-03-09.600F1-	9,6	35	89	47	40	10	☺	
	DC160-03-09.700F1-	9,7	35	89	47	40	10	☺	
	DC160-03-09.800F1-	9,8	35	89	47	40	10	☺	
	DC160-03-09.900F1-	9,9	35	89	47	40	10	☺	
	DC160-03-10.000F1-	10	35	89	47	40	10	☺	
	DC160-03-10.100F1-	10,1	40	102	55	45	12	☺	
	DC160-03-10.200F1-	10,2	40	102	55	45	12	☺	
	DC160-03-10.300F1-	10,3	40	102	55	45	12	☺	
	DC160-03-10.400F1-	10,4	40	102	55	45	12	☺	
	DC160-03-10.500F1-	10,5	40	102	55	45	12	☺	
	DC160-03-10.600F1-	10,6	40	102	55	45	12	☺	
	DC160-03-10.700F1-	10,7	40	102	55	45	12	☺	
	DC160-03-10.800F1-	10,8	40	102	55	45	12	☺	
	DC160-03-10.900F1-	10,9	40	102	55	45	12	☺	
	DC160-03-11.000F1-	11	40	102	55	45	12	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A1-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HE								
	DC160-03-11.100F1-	11,1		40	102	55	45	12	WJ30ET
	DC160-03-11.200F1-	11,2		40	102	55	45	12	WJ30ET
	DC160-03-11.300F1-	11,3		40	102	55	45	12	WJ30ET
	DC160-03-11.400F1-	11,4		40	102	55	45	12	WJ30ET
	DC160-03-11.500F1-	11,5		40	102	55	45	12	WJ30ET
	DC160-03-11.550F1-	11,55		40	102	55	45	12	WJ30ET
	DC160-03-11.600F1-	11,6		40	102	55	45	12	WJ30ET
	DC160-03-11.700F1-	11,7		40	102	55	45	12	WJ30ET
	DC160-03-11.800F1-	11,8		40	102	55	45	12	WJ30ET
	DC160-03-11.900F1-	11,9		40	102	55	45	12	WJ30ET
	DC160-03-12.000F1-	12		40	102	55	45	12	WJ30ET
	DC160-03-12.100F1-	12,1		43	107	60	45	14	WJ30ET
	DC160-03-12.200F1-	12,2		43	107	60	45	14	WJ30ET
	DC160-03-12.250F1-	12,25		43	107	60	45	14	WJ30ET
	DC160-03-12.300F1-	12,3		43	107	60	45	14	WJ30ET
	DC160-03-12.400F1-	12,4		43	107	60	45	14	WJ30ET
	DC160-03-12.500F1-	12,5		43	107	60	45	14	WJ30ET
	DC160-03-12.600F1-	12,6		43	107	60	45	14	WJ30ET
	DC160-03-12.700F1-	12,7	1/2"	43	107	60	45	14	WJ30ET
	DC160-03-12.750F1-	12,75		43	107	60	45	14	WJ30ET
	DC160-03-12.800F1-	12,8		43	107	60	45	14	WJ30ET
	DC160-03-12.900F1-	12,9		43	107	60	45	14	WJ30ET
	DC160-03-13.000F1-	13		43	107	60	45	14	WJ30ET
	DC160-03-13.100F1-	13,1		43	107	60	45	14	WJ30ET
	DC160-03-13.200F1-	13,2		43	107	60	45	14	WJ30ET
	DC160-03-13.300F1-	13,3		43	107	60	45	14	WJ30ET
	DC160-03-13.400F1-	13,4		43	107	60	45	14	WJ30ET
	DC160-03-13.500F1-	13,5		43	107	60	45	14	WJ30ET
	DC160-03-13.600F1-	13,6		43	107	60	45	14	WJ30ET
	DC160-03-13.700F1-	13,7		43	107	60	45	14	WJ30ET
	DC160-03-13.800F1-	13,8		43	107	60	45	14	WJ30ET
	DC160-03-13.900F1-	13,9		43	107	60	45	14	WJ30ET
	DC160-03-14.000F1-	14		43	107	60	45	14	WJ30ET
DC160-03-14.100F1-	14,1		45	115	65	48	16	WJ30ET	
DC160-03-14.200F1-	14,2		45	115	65	48	16	WJ30ET	
DC160-03-14.300F1-	14,3		45	115	65	48	16	WJ30ET	
DC160-03-14.400F1-	14,4		45	115	65	48	16	WJ30ET	
DC160-03-14.500F1-	14,5		45	115	65	48	16	WJ30ET	
DC160-03-14.600F1-	14,6		45	115	65	48	16	WJ30ET	
DC160-03-14.700F1-	14,7		45	115	65	48	16	WJ30ET	
DC160-03-14.750F1-	14,75		45	115	65	48	16	WJ30ET	
DC160-03-14.800F1-	14,8		45	115	65	48	16	WJ30ET	
DC160-03-15.000F1-	15		45	115	65	48	16	WJ30ET	
DC160-03-15.100F1-	15,1		45	115	65	48	16	WJ30ET	
DC160-03-15.200F1-	15,2		45	115	65	48	16	WJ30ET	
DC160-03-15.300F1-	15,3		45	115	65	48	16	WJ30ET	
DC160-03-15.500F1-	15,5		45	115	65	48	16	WJ30ET	
DC160-03-15.600F1-	15,6		45	115	65	48	16	WJ30ET	
DC160-03-15.700F1-	15,7		45	115	65	48	16	WJ30ET	
DC160-03-15.800F1-	15,8		45	115	65	48	16	WJ30ET	
DC160-03-15.900F1-	15,9		45	115	65	48	16	WJ30ET	
DC160-03-16.000F1-	16		45	115	65	48	16	WJ30ET	
DC160-03-16.100F1-	16,1		51	123	73	48	18	WJ30ET	
DC160-03-16.200F1-	16,2		51	123	73	48	18	WJ30ET	
DC160-03-16.300F1-	16,3		51	123	73	48	18	WJ30ET	
DC160-03-16.400F1-	16,4		51	123	73	48	18	WJ30ET	
DC160-03-16.500F1-	16,5		51	123	73	48	18	WJ30ET	
DC160-03-16.600F1-	16,6		51	123	73	48	18	WJ30ET	
DC160-03-16.700F1-	16,7		51	123	73	48	18	WJ30ET	
DC160-03-16.750F1-	16,75		51	123	73	48	18	WJ30ET	
DC160-03-16.800F1-	16,8		51	123	73	48	18	WJ30ET	

Ordering example for the WJ30ET grade: DC160-03-03.000A1-WJ30ET

Continued

Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HE	DC160-03-17.000F1-	17	51	123	73	48	18	☺
		DC160-03-17.200F1-	17,2	51	123	73	48	18	☺
		DC160-03-17.300F1-	17,3	51	123	73	48	18	☺
		DC160-03-17.500F1-	17,5	51	123	73	48	18	☺
		DC160-03-17.600F1-	17,6	51	123	73	48	18	☺
		DC160-03-17.700F1-	17,7	51	123	73	48	18	☺
		DC160-03-17.800F1-	17,8	51	123	73	48	18	☺
		DC160-03-18.000F1-	18	51	123	73	48	18	☺
		DC160-03-18.200F1-	18,2	55	131	79	50	20	☺
		DC160-03-18.500F1-	18,5	55	131	79	50	20	☺
		DC160-03-18.700F1-	18,7	55	131	79	50	20	☺
		DC160-03-18.800F1-	18,8	55	131	79	50	20	☺
		DC160-03-19.000F1-	19	55	131	79	50	20	☺
		DC160-03-19.500F1-	19,5	55	131	79	50	20	☺
		DC160-03-19.700F1-	19,7	55	131	79	50	20	☺
		DC160-03-19.800F1-	19,8	55	131	79	50	20	☺
	DC160-03-20.000F1-	20	55	131	79	50	20	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A1-WJ30ET

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

machining conditions

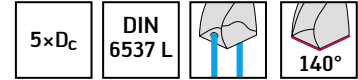
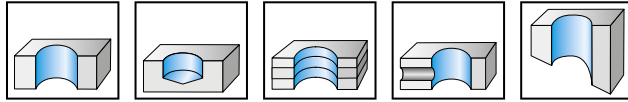
•• Primary application

• Other application

Solid carbide drills with internal coolant

DC160 Advance

X-treme Evo



P	M	K	N	S	H	O
●	●	●	●	●	●	●

Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
DC160-05-03.000A1-	3		23	66	28	36	6	●
DC160-05-03.100A1-	3,1		23	66	28	36	6	●
DC160-05-03.175A1-	3,175	1/8"	23	66	28	36	6	●
DC160-05-03.200A1-	3,2		23	66	28	36	6	●
DC160-05-03.250A1-	3,25		23	66	28	36	6	●
DC160-05-03.300A1-	3,3		23	66	28	36	6	●
DC160-05-03.400A1-	3,4		23	66	28	36	6	●
DC160-05-03.500A1-	3,5		23	66	28	36	6	●
DC160-05-03.572A1-	3,572	9/64"	23	66	28	36	6	●
DC160-05-03.600A1-	3,6		23	66	28	36	6	●
DC160-05-03.650A1-	3,65		23	66	28	36	6	●
DC160-05-03.700A1-	3,7		23	66	28	36	6	●
DC160-05-03.800A1-	3,8		29	74	36	36	6	●
DC160-05-03.900A1-	3,9		29	74	36	36	6	●
DC160-05-03.969A1-	3,969	5/32"	29	74	36	36	6	●
DC160-05-04.000A1-	4		29	74	36	36	6	●
DC160-05-04.100A1-	4,1		29	74	36	36	6	●
DC160-05-04.200A1-	4,2		29	74	36	36	6	●
DC160-05-04.300A1-	4,3		29	74	36	36	6	●
DC160-05-04.366A1-	4,366	11/64"	29	74	36	36	6	●
DC160-05-04.400A1-	4,4		29	74	36	36	6	●
DC160-05-04.500A1-	4,5		29	74	36	36	6	●
DC160-05-04.600A1-	4,6		29	74	36	36	6	●
DC160-05-04.650A1-	4,65		29	74	36	36	6	●
DC160-05-04.700A1-	4,7		29	74	36	36	6	●
DC160-05-04.763A1-	4,763	3/16"	35	82	44	36	6	●
DC160-05-04.800A1-	4,8		35	82	44	36	6	●
DC160-05-04.900A1-	4,9		35	82	44	36	6	●
DC160-05-05.000A1-	5		35	82	44	36	6	●

Ordering example for the WJ30ET grade: DC160-05-03.000A1-WJ30ET

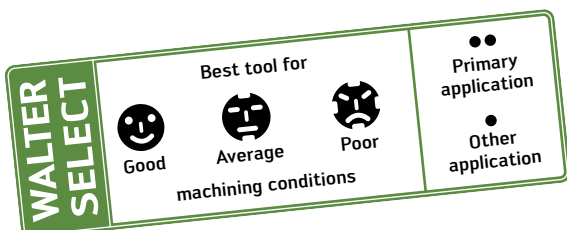
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HA								
	DC160-05-05.100A1-	5,1		35	82	44	36	6	☺
	DC160-05-05.159A1-	5,159	13/64"	35	82	44	36	6	☺
	DC160-05-05.200A1-	5,2		35	82	44	36	6	☺
	DC160-05-05.300A1-	5,3		35	82	44	36	6	☺
	DC160-05-05.400A1-	5,4		35	82	44	36	6	☺
	DC160-05-05.500A1-	5,5		35	82	44	36	6	☺
	DC160-05-05.550A1-	5,55		35	82	44	36	6	☺
	DC160-05-05.556A1-	5,556	7/32"	35	82	44	36	6	☺
	DC160-05-05.600A1-	5,6		35	82	44	36	6	☺
	DC160-05-05.700A1-	5,7		35	82	44	36	6	☺
	DC160-05-05.800A1-	5,8		35	82	44	36	6	☺
	DC160-05-05.900A1-	5,9		35	82	44	36	6	☺
	DC160-05-05.953A1-	5,953	15/64"	35	82	44	36	6	☺
	DC160-05-06.000A1-	6		35	82	44	36	6	☺
	DC160-05-06.100A1-	6,1		43	91	53	36	8	☺
	DC160-05-06.200A1-	6,2		43	91	53	36	8	☺
	DC160-05-06.300A1-	6,3		43	91	53	36	8	☺
	DC160-05-06.350A1-	6,35	1/4"	43	91	53	36	8	☺
	DC160-05-06.400A1-	6,4		43	91	53	36	8	☺
	DC160-05-06.500A1-	6,5		43	91	53	36	8	☺
	DC160-05-06.600A1-	6,6		43	91	53	36	8	☺
	DC160-05-06.700A1-	6,7		43	91	53	36	8	☺
	DC160-05-06.747A1-	6,747	17/64"	43	91	53	36	8	☺
	DC160-05-06.800A1-	6,8		43	91	53	36	8	☺
	DC160-05-06.900A1-	6,9		43	91	53	36	8	☺
	DC160-05-07.000A1-	7		43	91	53	36	8	☺
	DC160-05-07.100A1-	7,1		43	91	53	36	8	☺
	DC160-05-07.144A1-	7,144	9/32"	43	91	53	36	8	☺
	DC160-05-07.200A1-	7,2		43	91	53	36	8	☺
	DC160-05-07.300A1-	7,3		43	91	53	36	8	☺
	DC160-05-07.400A1-	7,4		43	91	53	36	8	☺
DC160-05-07.500A1-	7,5		43	91	53	36	8	☺	

Ordering example for the WJ30ET grade: DC160-05-03.000A1-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET	
	Shank DIN 6535 HA	DC160-05-07.541A1-	7,541	19/64"	43	91	53	36	8	WJ30ET
		DC160-05-07.550A1-	7,55		43	91	53	36	8	WJ30ET
		DC160-05-07.600A1-	7,6		43	91	53	36	8	WJ30ET
		DC160-05-07.700A1-	7,7		43	91	53	36	8	WJ30ET
		DC160-05-07.800A1-	7,8		43	91	53	36	8	WJ30ET
		DC160-05-07.900A1-	7,9		43	91	53	36	8	WJ30ET
		DC160-05-07.938A1-	7,938	5/16"	43	91	53	36	8	WJ30ET
		DC160-05-08.000A1-	8		43	91	53	36	8	WJ30ET
		DC160-05-08.100A1-	8,1		49	103	61	40	10	WJ30ET
		DC160-05-08.200A1-	8,2		49	103	61	40	10	WJ30ET
		DC160-05-08.300A1-	8,3		49	103	61	40	10	WJ30ET
		DC160-05-08.334A1-	8,334	21/64"	49	103	61	40	10	WJ30ET
		DC160-05-08.400A1-	8,4		49	103	61	40	10	WJ30ET
		DC160-05-08.500A1-	8,5		49	103	61	40	10	WJ30ET
		DC160-05-08.600A1-	8,6		49	103	61	40	10	WJ30ET
		DC160-05-08.700A1-	8,7		49	103	61	40	10	WJ30ET
		DC160-05-08.731A1-	8,731	11/32"	49	103	61	40	10	WJ30ET
		DC160-05-08.800A1-	8,8		49	103	61	40	10	WJ30ET
		DC160-05-08.900A1-	8,9		49	103	61	40	10	WJ30ET
		DC160-05-09.000A1-	9		49	103	61	40	10	WJ30ET
		DC160-05-09.100A1-	9,1		49	103	61	40	10	WJ30ET
		DC160-05-09.128A1-	9,128	23/64"	49	103	61	40	10	WJ30ET
		DC160-05-09.200A1-	9,2		49	103	61	40	10	WJ30ET
		DC160-05-09.300A1-	9,3		49	103	61	40	10	WJ30ET
		DC160-05-09.400A1-	9,4		49	103	61	40	10	WJ30ET
		DC160-05-09.500A1-	9,5		49	103	61	40	10	WJ30ET
		DC160-05-09.525A1-	9,525	3/8"	49	103	61	40	10	WJ30ET
		DC160-05-09.550A1-	9,55		49	103	61	40	10	WJ30ET
		DC160-05-09.600A1-	9,6		49	103	61	40	10	WJ30ET
		DC160-05-09.700A1-	9,7		49	103	61	40	10	WJ30ET
		DC160-05-09.800A1-	9,8		49	103	61	40	10	WJ30ET
		DC160-05-09.900A1-	9,9		49	103	61	40	10	WJ30ET
		DC160-05-09.922A1-	9,922	25/64"	49	103	61	40	10	WJ30ET
	DC160-05-10.000A1-	10		49	103	61	40	10	WJ30ET	
	DC160-05-10.100A1-	10,1		56	118	71	45	12	WJ30ET	
	DC160-05-10.200A1-	10,2		56	118	71	45	12	WJ30ET	
	DC160-05-10.300A1-	10,3		56	118	71	45	12	WJ30ET	

Ordering example for the WJ30ET grade: DC160-05-03.000A1-WJ30ET

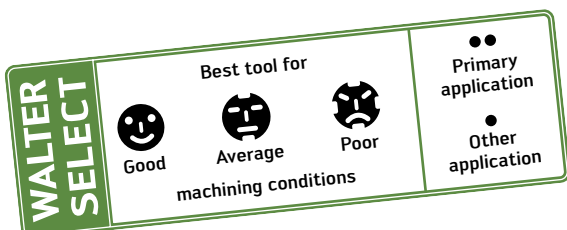
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
Shank DIN 6535 HA 	DC160-05-10.319A1-	10,319	13/32"	56	118	71	45	12	☺
	DC160-05-10.400A1-	10,4		56	118	71	45	12	☺
	DC160-05-10.500A1-	10,5		56	118	71	45	12	☺
	DC160-05-10.600A1-	10,6		56	118	71	45	12	☺
	DC160-05-10.700A1-	10,7		56	118	71	45	12	☺
	DC160-05-10.716A1-	10,716	27/64"	56	118	71	45	12	☺
	DC160-05-10.800A1-	10,8		56	118	71	45	12	☺
	DC160-05-10.900A1-	10,9		56	118	71	45	12	☺
	DC160-05-11.000A1-	11		56	118	71	45	12	☺
	DC160-05-11.100A1-	11,1		56	118	71	45	12	☺
	DC160-05-11.113A1-	11,113	7/16"	56	118	71	45	12	☺
	DC160-05-11.200A1-	11,2		56	118	71	45	12	☺
	DC160-05-11.300A1-	11,3		56	118	71	45	12	☺
	DC160-05-11.400A1-	11,4		56	118	71	45	12	☺
	DC160-05-11.500A1-	11,5		56	118	71	45	12	☺
	DC160-05-11.509A1-	11,509	29/64"	56	118	71	45	12	☺
	DC160-05-11.550A1-	11,55		56	118	71	45	12	☺
	DC160-05-11.600A1-	11,6		56	118	71	45	12	☺
	DC160-05-11.700A1-	11,7		56	118	71	45	12	☺
	DC160-05-11.800A1-	11,8		56	118	71	45	12	☺
	DC160-05-11.900A1-	11,9		56	118	71	45	12	☺
	DC160-05-11.906A1-	11,906	15/32"	56	118	71	45	12	☺
	DC160-05-12.000A1-	12		56	118	71	45	12	☺
	DC160-05-12.100A1-	12,1		60	124	77	45	14	☺
	DC160-05-12.200A1-	12,2		60	124	77	45	14	☺
	DC160-05-12.250A1-	12,25		60	124	77	45	14	☺
	DC160-05-12.300A1-	12,3		60	124	77	45	14	☺
	DC160-05-12.303A1-	12,303	31/64"	60	124	77	45	14	☺
	DC160-05-12.400A1-	12,4		60	124	77	45	14	☺
	DC160-05-12.500A1-	12,5		60	124	77	45	14	☺
	DC160-05-12.600A1-	12,6		60	124	77	45	14	☺
	DC160-05-12.700A1-	12,7	1/2"	60	124	77	45	14	☺
	DC160-05-12.750A1-	12,75		60	124	77	45	14	☺
	DC160-05-12.800A1-	12,8		60	124	77	45	14	☺
	DC160-05-12.900A1-	12,9		60	124	77	45	14	☺
DC160-05-13.000A1-	13		60	124	77	45	14	☺	
DC160-05-13.100A1-	13,1		60	124	77	45	14	☺	
DC160-05-13.200A1-	13,2		60	124	77	45	14	☺	
DC160-05-13.300A1-	13,3		60	124	77	45	14	☺	
DC160-05-13.400A1-	13,4		60	124	77	45	14	☺	
DC160-05-13.494A1-	13,494	17/32"	60	124	77	45	14	☺	

Ordering example for the WJ30ET grade: DC160-05-03.000A1-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET	
	Shank DIN 6535 HA	DC160-05-13.500A1-	13,5		60	124	77	45	14	☺
	DC160-05-13.600A1-	13,6		60	124	77	45	14	☺	
	DC160-05-13.700A1-	13,7		60	124	77	45	14	☺	
	DC160-05-13.800A1-	13,8		60	124	77	45	14	☺	
	DC160-05-13.900A1-	13,9		60	124	77	45	14	☺	
	DC160-05-14.000A1-	14		60	124	77	45	14	☺	
	DC160-05-14.100A1-	14,1		63	133	83	48	16	☺	
	DC160-05-14.200A1-	14,2		63	133	83	48	16	☺	
	DC160-05-14.288A1-	14,288	9/16"	63	133	83	48	16	☺	
	DC160-05-14.300A1-	14,3		63	133	83	48	16	☺	
	DC160-05-14.400A1-	14,4		63	133	83	48	16	☺	
	DC160-05-14.500A1-	14,5		63	133	83	48	16	☺	
	DC160-05-14.600A1-	14,6		63	133	83	48	16	☺	
	DC160-05-14.700A1-	14,7		63	133	83	48	16	☺	
	DC160-05-14.750A1-	14,75		63	133	83	48	16	☺	
	DC160-05-14.800A1-	14,8		63	133	83	48	16	☺	
	DC160-05-14.900A1-	14,9		63	133	83	48	16	☺	
	DC160-05-15.000A1-	15		63	133	83	48	16	☺	
	DC160-05-15.100A1-	15,1		63	133	83	48	16	☺	
	DC160-05-15.200A1-	15,2		63	133	83	48	16	☺	
	DC160-05-15.300A1-	15,3		63	133	83	48	16	☺	
	DC160-05-15.400A1-	15,4		63	133	83	48	16	☺	
	DC160-05-15.500A1-	15,5		63	133	83	48	16	☺	
	DC160-05-15.600A1-	15,6		63	133	83	48	16	☺	
	DC160-05-15.700A1-	15,7		63	133	83	48	16	☺	
	DC160-05-15.800A1-	15,8		63	133	83	48	16	☺	
	DC160-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☺	
	DC160-05-15.900A1-	15,9		63	133	83	48	16	☺	
	DC160-05-16.000A1-	16		63	133	83	48	16	☺	
	DC160-05-16.100A1-	16,1		71	143	93	48	18	☺	
	DC160-05-16.200A1-	16,2		71	143	93	48	18	☺	
	DC160-05-16.300A1-	16,3		71	143	93	48	18	☺	
	DC160-05-16.400A1-	16,4		71	143	93	48	18	☺	
	DC160-05-16.500A1-	16,5		71	143	93	48	18	☺	
	DC160-05-16.600A1-	16,6		71	143	93	48	18	☺	
	DC160-05-16.700A1-	16,7		71	143	93	48	18	☺	
	DC160-05-16.750A1-	16,75		71	143	93	48	18	☺	
	DC160-05-16.800A1-	16,8		71	143	93	48	18	☺	
	DC160-05-16.900A1-	16,9		71	143	93	48	18	☺	
	DC160-05-17.000A1-	17		71	143	93	48	18	☺	
DC160-05-17.100A1-	17,1		71	143	93	48	18	☺		
DC160-05-17.200A1-	17,2		71	143	93	48	18	☺		
DC160-05-17.300A1-	17,3		71	143	93	48	18	☺		
DC160-05-17.400A1-	17,4		71	143	93	48	18	☺		
DC160-05-17.500A1-	17,5		71	143	93	48	18	☺		
DC160-05-17.600A1-	17,6		71	143	93	48	18	☺		
DC160-05-17.700A1-	17,7		71	143	93	48	18	☺		
DC160-05-17.800A1-	17,8		71	143	93	48	18	☺		

Ordering example for the WJ30ET grade: DC160-05-03.000A1-WJ30ET

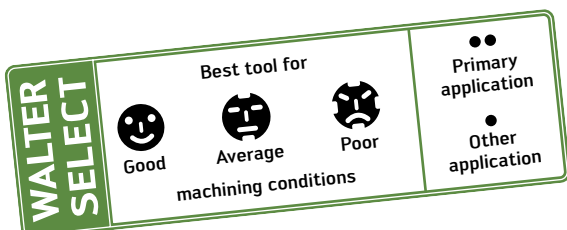
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
Shank DIN 6535 HA 	DC160-05-17.900A1-	17,9		71	143	93	48	18	☺
	DC160-05-18.000A1-	18		71	143	93	48	18	☺
	DC160-05-18.100A1-	18,1		77	153	101	50	20	☺
	DC160-05-18.200A1-	18,2		77	153	101	50	20	☺
	DC160-05-18.300A1-	18,3		77	153	101	50	20	☺
	DC160-05-18.400A1-	18,4		77	153	101	50	20	☺
	DC160-05-18.500A1-	18,5		77	153	101	50	20	☺
	DC160-05-18.600A1-	18,6		77	153	101	50	20	☺
	DC160-05-18.700A1-	18,7		77	153	101	50	20	☺
	DC160-05-18.800A1-	18,8		77	153	101	50	20	☺
	DC160-05-18.900A1-	18,9		77	153	101	50	20	☺
	DC160-05-19.000A1-	19		77	153	101	50	20	☺
	DC160-05-19.050A1-	19,05	3/4"	77	153	101	50	20	☺
	DC160-05-19.100A1-	19,1		77	153	101	50	20	☺
	DC160-05-19.200A1-	19,2		77	153	101	50	20	☺
	DC160-05-19.300A1-	19,3		77	153	101	50	20	☺
	DC160-05-19.400A1-	19,4		77	153	101	50	20	☺
	DC160-05-19.500A1-	19,5		77	153	101	50	20	☺
	DC160-05-19.600A1-	19,6		77	153	101	50	20	☺
	DC160-05-19.700A1-	19,7		77	153	101	50	20	☺
	DC160-05-19.800A1-	19,8		77	153	101	50	20	☺
	DC160-05-19.900A1-	19,9		77	153	101	50	20	☺
	DC160-05-20.000A1-	20		77	153	101	50	20	☺
	DC160-05-20.500A1-	20,5		86	166	108	56	25	☺
	DC160-05-21.000A1-	21		86	166	108	56	25	☺
	DC160-05-21.500A1-	21,5		86	166	108	56	25	☺
	DC160-05-22.000A1-	22		86	166	108	56	25	☺
DC160-05-22.500A1-	22,5		91	173	115	56	25	☺	
DC160-05-23.000A1-	23		91	173	115	56	25	☺	
DC160-05-23.500A1-	23,5		91	173	115	56	25	☺	
DC160-05-24.000A1-	24		91	173	115	56	25	☺	
DC160-05-24.500A1-	24,5		97	180	122	56	25	☺	
DC160-05-25.000A1-	25		97	180	122	56	25	☺	
Shank DIN 6535 HE 	DC160-05-03.000F1-	3		23	66	28	36	6	☺
	DC160-05-03.100F1-	3,1		23	66	28	36	6	☺
	DC160-05-03.200F1-	3,2		23	66	28	36	6	☺
	DC160-05-03.250F1-	3,25		23	66	28	36	6	☺
	DC160-05-03.300F1-	3,3		23	66	28	36	6	☺
	DC160-05-03.400F1-	3,4		23	66	28	36	6	☺
	DC160-05-03.500F1-	3,5		23	66	28	36	6	☺
	DC160-05-03.600F1-	3,6		23	66	28	36	6	☺
	DC160-05-03.650F1-	3,65		23	66	28	36	6	☺
	DC160-05-03.700F1-	3,7		23	66	28	36	6	☺
	DC160-05-03.800F1-	3,8		29	74	36	36	6	☺
	DC160-05-03.900F1-	3,9		29	74	36	36	6	☺
	DC160-05-04.000F1-	4		29	74	36	36	6	☺
	DC160-05-04.100F1-	4,1		29	74	36	36	6	☺

Ordering example for the WJ30ET grade: DC160-05-03.000A1-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	DC160-05-04.200F1-	4,2		29	74	36	36	6	WJ30ET
	DC160-05-04.300F1-	4,3		29	74	36	36	6	WJ30ET
	DC160-05-04.400F1-	4,4		29	74	36	36	6	WJ30ET
	DC160-05-04.500F1-	4,5		29	74	36	36	6	WJ30ET
	DC160-05-04.600F1-	4,6		29	74	36	36	6	WJ30ET
	DC160-05-04.650F1-	4,65		29	74	36	36	6	WJ30ET
	DC160-05-04.700F1-	4,7		29	74	36	36	6	WJ30ET
	DC160-05-04.800F1-	4,8		35	82	44	36	6	WJ30ET
	DC160-05-04.900F1-	4,9		35	82	44	36	6	WJ30ET
	DC160-05-05.000F1-	5		35	82	44	36	6	WJ30ET
	DC160-05-05.100F1-	5,1		35	82	44	36	6	WJ30ET
	DC160-05-05.200F1-	5,2		35	82	44	36	6	WJ30ET
	DC160-05-05.300F1-	5,3		35	82	44	36	6	WJ30ET
	DC160-05-05.400F1-	5,4		35	82	44	36	6	WJ30ET
	DC160-05-05.500F1-	5,5		35	82	44	36	6	WJ30ET
	DC160-05-05.550F1-	5,55		35	82	44	36	6	WJ30ET
	DC160-05-05.600F1-	5,6		35	82	44	36	6	WJ30ET
	DC160-05-05.700F1-	5,7		35	82	44	36	6	WJ30ET
	DC160-05-05.800F1-	5,8		35	82	44	36	6	WJ30ET
	DC160-05-05.900F1-	5,9		35	82	44	36	6	WJ30ET
	DC160-05-06.000F1-	6		35	82	44	36	6	WJ30ET
	DC160-05-06.100F1-	6,1		43	91	53	36	8	WJ30ET
	DC160-05-06.200F1-	6,2		43	91	53	36	8	WJ30ET
	DC160-05-06.300F1-	6,3		43	91	53	36	8	WJ30ET
	DC160-05-06.400F1-	6,4		43	91	53	36	8	WJ30ET
	DC160-05-06.500F1-	6,5		43	91	53	36	8	WJ30ET
	DC160-05-06.600F1-	6,6		43	91	53	36	8	WJ30ET
	DC160-05-06.700F1-	6,7		43	91	53	36	8	WJ30ET
	DC160-05-06.800F1-	6,8		43	91	53	36	8	WJ30ET
	DC160-05-06.900F1-	6,9		43	91	53	36	8	WJ30ET
	DC160-05-07.000F1-	7		43	91	53	36	8	WJ30ET
	DC160-05-07.100F1-	7,1		43	91	53	36	8	WJ30ET
	DC160-05-07.200F1-	7,2		43	91	53	36	8	WJ30ET
	DC160-05-07.300F1-	7,3		43	91	53	36	8	WJ30ET
	DC160-05-07.400F1-	7,4		43	91	53	36	8	WJ30ET
DC160-05-07.500F1-	7,5		43	91	53	36	8	WJ30ET	
DC160-05-07.550F1-	7,55		43	91	53	36	8	WJ30ET	
DC160-05-07.600F1-	7,6		43	91	53	36	8	WJ30ET	
DC160-05-07.700F1-	7,7		43	91	53	36	8	WJ30ET	
DC160-05-07.800F1-	7,8		43	91	53	36	8	WJ30ET	
DC160-05-07.900F1-	7,9		43	91	53	36	8	WJ30ET	
DC160-05-08.000F1-	8		43	91	53	36	8	WJ30ET	
DC160-05-08.100F1-	8,1		49	103	61	40	10	WJ30ET	
DC160-05-08.200F1-	8,2		49	103	61	40	10	WJ30ET	
DC160-05-08.300F1-	8,3		49	103	61	40	10	WJ30ET	
DC160-05-08.400F1-	8,4		49	103	61	40	10	WJ30ET	
DC160-05-08.500F1-	8,5		49	103	61	40	10	WJ30ET	
DC160-05-08.600F1-	8,6		49	103	61	40	10	WJ30ET	
DC160-05-08.700F1-	8,7		49	103	61	40	10	WJ30ET	
DC160-05-08.800F1-	8,8		49	103	61	40	10	WJ30ET	
DC160-05-08.900F1-	8,9		49	103	61	40	10	WJ30ET	
DC160-05-09.000F1-	9		49	103	61	40	10	WJ30ET	
DC160-05-09.100F1-	9,1		49	103	61	40	10	WJ30ET	
DC160-05-09.200F1-	9,2		49	103	61	40	10	WJ30ET	
DC160-05-09.300F1-	9,3		49	103	61	40	10	WJ30ET	
DC160-05-09.400F1-	9,4		49	103	61	40	10	WJ30ET	
DC160-05-09.500F1-	9,5		49	103	61	40	10	WJ30ET	
DC160-05-09.550F1-	9,55		49	103	61	40	10	WJ30ET	
DC160-05-09.600F1-	9,6		49	103	61	40	10	WJ30ET	
DC160-05-09.700F1-	9,7		49	103	61	40	10	WJ30ET	
DC160-05-09.800F1-	9,8		49	103	61	40	10	WJ30ET	

Ordering example for the WJ30ET grade: DC160-05-03.000A1-WJ30ET

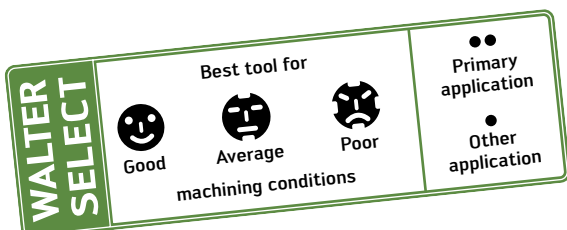
Continued

Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET	
	Shank DIN 6535 HE	DC160-05-09.900F1-		49	103	61	40	10	☺	
		DC160-05-10.000F1-		49	103	61	40	10	☺	
		DC160-05-10.100F1-		56	118	71	45	12	☺	
		DC160-05-10.200F1-		56	118	71	45	12	☺	
		DC160-05-10.300F1-		56	118	71	45	12	☺	
		DC160-05-10.400F1-		56	118	71	45	12	☺	
		DC160-05-10.500F1-		56	118	71	45	12	☺	
		DC160-05-10.600F1-		56	118	71	45	12	☺	
		DC160-05-10.700F1-		56	118	71	45	12	☺	
		DC160-05-10.800F1-		56	118	71	45	12	☺	
		DC160-05-10.900F1-		56	118	71	45	12	☺	
		DC160-05-11.000F1-		56	118	71	45	12	☺	
		DC160-05-11.100F1-		56	118	71	45	12	☺	
		DC160-05-11.200F1-		56	118	71	45	12	☺	
		DC160-05-11.300F1-		56	118	71	45	12	☺	
		DC160-05-11.400F1-		56	118	71	45	12	☺	
		DC160-05-11.500F1-		56	118	71	45	12	☺	
		DC160-05-11.550F1-		56	118	71	45	12	☺	
		DC160-05-11.600F1-		56	118	71	45	12	☺	
		DC160-05-11.700F1-		56	118	71	45	12	☺	
		DC160-05-11.800F1-		56	118	71	45	12	☺	
		DC160-05-11.900F1-		56	118	71	45	12	☺	
		DC160-05-12.000F1-		56	118	71	45	12	☺	
		DC160-05-12.100F1-		60	124	77	45	14	☺	
		DC160-05-12.200F1-		60	124	77	45	14	☺	
		DC160-05-12.250F1-		60	124	77	45	14	☺	
		DC160-05-12.300F1-		60	124	77	45	14	☺	
		DC160-05-12.400F1-		60	124	77	45	14	☺	
		DC160-05-12.500F1-		60	124	77	45	14	☺	
		DC160-05-12.600F1-		60	124	77	45	14	☺	
		DC160-05-12.700F1-		1/2"	60	124	77	45	14	☺
		DC160-05-12.750F1-		60	124	77	45	14	☺	
		DC160-05-12.800F1-		60	124	77	45	14	☺	
	DC160-05-12.900F1-		60	124	77	45	14	☺		
	DC160-05-13.000F1-		60	124	77	45	14	☺		
	DC160-05-13.100F1-		60	124	77	45	14	☺		
	DC160-05-13.200F1-		60	124	77	45	14	☺		
	DC160-05-13.300F1-		60	124	77	45	14	☺		
	DC160-05-13.400F1-		60	124	77	45	14	☺		
	DC160-05-13.500F1-		60	124	77	45	14	☺		
	DC160-05-13.600F1-		60	124	77	45	14	☺		
	DC160-05-13.700F1-		60	124	77	45	14	☺		
	DC160-05-13.800F1-		60	124	77	45	14	☺		
	DC160-05-13.900F1-		60	124	77	45	14	☺		
	DC160-05-14.000F1-		60	124	77	45	14	☺		
	DC160-05-14.100F1-		63	133	83	48	16	☺		
	DC160-05-14.200F1-		63	133	83	48	16	☺		
	DC160-05-14.300F1-		63	133	83	48	16	☺		
	DC160-05-14.400F1-		63	133	83	48	16	☺		
	DC160-05-14.500F1-		63	133	83	48	16	☺		
	DC160-05-14.600F1-		63	133	83	48	16	☺		
	DC160-05-14.700F1-		63	133	83	48	16	☺		
	DC160-05-14.750F1-		63	133	83	48	16	☺		
	DC160-05-14.800F1-		63	133	83	48	16	☺		
	DC160-05-14.900F1-		63	133	83	48	16	☺		
	DC160-05-15.000F1-		63	133	83	48	16	☺		
	DC160-05-15.100F1-		63	133	83	48	16	☺		

Ordering example for the WJ30ET grade: DC160-05-03.000A1-WJ30ET

Continued



Continued

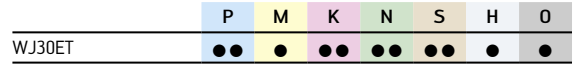
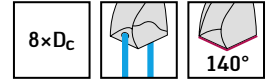
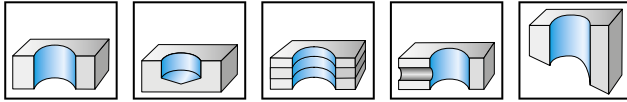
	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	DC160-05-15.200F1-	15,2		63	133	83	48	16	☺
	DC160-05-15.300F1-	15,3		63	133	83	48	16	☺
	DC160-05-15.400F1-	15,4		63	133	83	48	16	☺
	DC160-05-15.500F1-	15,5		63	133	83	48	16	☺
	DC160-05-15.600F1-	15,6		63	133	83	48	16	☺
	DC160-05-15.700F1-	15,7		63	133	83	48	16	☺
	DC160-05-15.800F1-	15,8		63	133	83	48	16	☺
	DC160-05-15.900F1-	15,9		63	133	83	48	16	☺
	DC160-05-16.000F1-	16		63	133	83	48	16	☺
	DC160-05-16.100F1-	16,1		71	143	93	48	18	☺
	DC160-05-16.200F1-	16,2		71	143	93	48	18	☺
	DC160-05-16.300F1-	16,3		71	143	93	48	18	☺
	DC160-05-16.400F1-	16,4		71	143	93	48	18	☺
	DC160-05-16.500F1-	16,5		71	143	93	48	18	☺
	DC160-05-16.600F1-	16,6		71	143	93	48	18	☺
	DC160-05-16.700F1-	16,7		71	143	93	48	18	☺
	DC160-05-16.750F1-	16,75		71	143	93	48	18	☺
	DC160-05-16.800F1-	16,8		71	143	93	48	18	☺
	DC160-05-16.900F1-	16,9		71	143	93	48	18	☺
	DC160-05-17.000F1-	17		71	143	93	48	18	☺
	DC160-05-17.100F1-	17,1		71	143	93	48	18	☺
	DC160-05-17.200F1-	17,2		71	143	93	48	18	☺
	DC160-05-17.300F1-	17,3		71	143	93	48	18	☺
	DC160-05-17.400F1-	17,4		71	143	93	48	18	☺
	DC160-05-17.500F1-	17,5		71	143	93	48	18	☺
	DC160-05-17.600F1-	17,6		71	143	93	48	18	☺
	DC160-05-17.700F1-	17,7		71	143	93	48	18	☺
	DC160-05-17.800F1-	17,8		71	143	93	48	18	☺
	DC160-05-17.900F1-	17,9		71	143	93	48	18	☺
	DC160-05-18.000F1-	18		71	143	93	48	18	☺
	DC160-05-18.100F1-	18,1		77	153	101	50	20	☺
	DC160-05-18.200F1-	18,2		77	153	101	50	20	☺
	DC160-05-18.300F1-	18,3		77	153	101	50	20	☺
	DC160-05-18.400F1-	18,4		77	153	101	50	20	☺
	DC160-05-18.500F1-	18,5		77	153	101	50	20	☺
DC160-05-18.600F1-	18,6		77	153	101	50	20	☺	
DC160-05-18.700F1-	18,7		77	153	101	50	20	☺	
DC160-05-18.800F1-	18,8		77	153	101	50	20	☺	
DC160-05-18.900F1-	18,9		77	153	101	50	20	☺	
DC160-05-19.000F1-	19		77	153	101	50	20	☺	
DC160-05-19.100F1-	19,1		77	153	101	50	20	☺	
DC160-05-19.200F1-	19,2		77	153	101	50	20	☺	
DC160-05-19.300F1-	19,3		77	153	101	50	20	☺	
DC160-05-19.400F1-	19,4		77	153	101	50	20	☺	
DC160-05-19.500F1-	19,5		77	153	101	50	20	☺	
DC160-05-19.600F1-	19,6		77	153	101	50	20	☺	
DC160-05-19.700F1-	19,7		77	153	101	50	20	☺	
DC160-05-19.800F1-	19,8		77	153	101	50	20	☺	
DC160-05-19.900F1-	19,9		77	153	101	50	20	☺	
DC160-05-20.000F1-	20		77	153	101	50	20	☺	
DC160-05-20.500F1-	20,5		86	166	108	56	25	☺	
DC160-05-21.000F1-	21		86	166	108	56	25	☺	
DC160-05-21.500F1-	21,5		86	166	108	56	25	☺	
DC160-05-22.000F1-	22		86	166	108	56	25	☺	
DC160-05-22.500F1-	22,5		91	173	115	56	25	☺	
DC160-05-23.000F1-	23		91	173	115	56	25	☺	
DC160-05-23.500F1-	23,5		91	173	115	56	25	☺	
DC160-05-24.000F1-	24		91	173	115	56	25	☺	
DC160-05-24.500F1-	24,5		97	180	122	56	25	☺	
DC160-05-25.000F1-	25		97	180	122	56	25	☺	

Ordering example for the WJ30ET grade: DC160-05-03.000A1-WJ30ET

Solid carbide drills with internal coolant

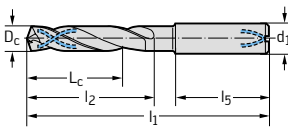
DC160 Advance

X-treme Evo



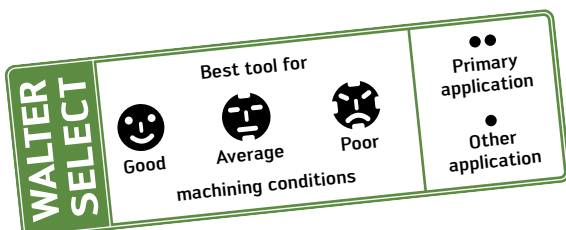
Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
DC160-08-03.000A1-	3		28	74	34	36	6	●●
DC160-08-03.100A1-	3,1		28	74	34	36	6	●●
DC160-08-03.175A1-	3,175	1/8"	28	74	34	36	6	●●
DC160-08-03.200A1-	3,2		28	74	34	36	6	●●
DC160-08-03.300A1-	3,3		28	74	34	36	6	●●
DC160-08-03.400A1-	3,4		28	74	34	36	6	●●
DC160-08-03.500A1-	3,5		28	74	34	36	6	●●
DC160-08-03.572A1-	3,572	9/64"	28	74	34	36	6	●●
DC160-08-03.600A1-	3,6		28	74	34	36	6	●●
DC160-08-03.700A1-	3,7		28	74	34	36	6	●●
DC160-08-03.800A1-	3,8		37	85	45	36	6	●●
DC160-08-03.900A1-	3,9		37	85	45	36	6	●●
DC160-08-03.969A1-	3,969	5/32"	37	85	45	36	6	●●
DC160-08-04.000A1-	4		37	85	45	36	6	●●
DC160-08-04.100A1-	4,1		37	85	45	36	6	●●
DC160-08-04.200A1-	4,2		37	85	45	36	6	●●
DC160-08-04.300A1-	4,3		37	85	45	36	6	●●
DC160-08-04.366A1-	4,366	11/64"	37	85	45	36	6	●●
DC160-08-04.400A1-	4,4		37	85	45	36	6	●●
DC160-08-04.500A1-	4,5		37	85	45	36	6	●●
DC160-08-04.600A1-	4,6		37	85	45	36	6	●●
DC160-08-04.700A1-	4,7		37	85	45	36	6	●●
DC160-08-04.763A1-	4,763	3/16"	48	97	57	36	6	●●
DC160-08-04.800A1-	4,8		48	97	57	36	6	●●
DC160-08-04.900A1-	4,9		48	97	57	36	6	●●
DC160-08-05.000A1-	5		48	97	57	36	6	●●
DC160-08-05.100A1-	5,1		48	97	57	36	6	●●
DC160-08-05.159A1-	5,159	13/64"	48	97	57	36	6	●●
DC160-08-05.200A1-	5,2		48	97	57	36	6	●●
DC160-08-05.300A1-	5,3		48	97	57	36	6	●●
DC160-08-05.400A1-	5,4		48	97	57	36	6	●●
DC160-08-05.500A1-	5,5		48	97	57	36	6	●●
DC160-08-05.556A1-	5,556	7/32"	48	97	57	36	6	●●
DC160-08-05.600A1-	5,6		48	97	57	36	6	●●
DC160-08-05.700A1-	5,7		48	97	57	36	6	●●
DC160-08-05.800A1-	5,8		48	97	57	36	6	●●

Shank DIN 6535 HA



Ordering example for the WJ30ET grade: DC160-08-03.000A1-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HA								
	DC160-08-05.900A1-	5,9		48	97	57	36	6	☺
	DC160-08-05.953A1-	5,953	15/64"	48	97	57	36	6	☺
	DC160-08-06.000A1-	6		48	97	57	36	6	☺
	DC160-08-06.100A1-	6,1		55	106	66	36	8	☺
	DC160-08-06.200A1-	6,2		55	106	66	36	8	☺
	DC160-08-06.300A1-	6,3		55	106	66	36	8	☺
	DC160-08-06.350A1-	6,35	1/4"	55	106	66	36	8	☺
	DC160-08-06.400A1-	6,4		55	106	66	36	8	☺
	DC160-08-06.500A1-	6,5		55	106	66	36	8	☺
	DC160-08-06.600A1-	6,6		55	106	66	36	8	☺
	DC160-08-06.700A1-	6,7		55	106	66	36	8	☺
	DC160-08-06.747A1-	6,747	17/64"	55	106	66	36	8	☺
	DC160-08-06.800A1-	6,8		55	106	66	36	8	☺
	DC160-08-06.900A1-	6,9		55	106	66	36	8	☺
	DC160-08-07.000A1-	7		55	106	66	36	8	☺
	DC160-08-07.100A1-	7,1		64	116	76	36	8	☺
	DC160-08-07.144A1-	7,144	9/32"	64	116	76	36	8	☺
	DC160-08-07.200A1-	7,2		64	116	76	36	8	☺
	DC160-08-07.300A1-	7,3		64	116	76	36	8	☺
	DC160-08-07.400A1-	7,4		64	116	76	36	8	☺
	DC160-08-07.500A1-	7,5		64	116	76	36	8	☺
	DC160-08-07.541A1-	7,541	19/64"	64	116	76	36	8	☺
	DC160-08-07.600A1-	7,6		64	116	76	36	8	☺
	DC160-08-07.700A1-	7,7		64	116	76	36	8	☺
	DC160-08-07.800A1-	7,8		64	116	76	36	8	☺
	DC160-08-07.900A1-	7,9		64	116	76	36	8	☺
	DC160-08-07.938A1-	7,938	5/16"	64	116	76	36	8	☺
	DC160-08-08.000A1-	8		64	116	76	36	8	☺
	DC160-08-08.100A1-	8,1		80	139	95	40	10	☺
	DC160-08-08.200A1-	8,2		80	139	95	40	10	☺
	DC160-08-08.300A1-	8,3		80	139	95	40	10	☺
	DC160-08-08.334A1-	8,334	21/64"	80	139	95	40	10	☺
	DC160-08-08.400A1-	8,4		80	139	95	40	10	☺
	DC160-08-08.500A1-	8,5		80	139	95	40	10	☺
DC160-08-08.600A1-	8,6		80	139	95	40	10	☺	
DC160-08-08.700A1-	8,7		80	139	95	40	10	☺	
DC160-08-08.731A1-	8,731	11/32"	80	139	95	40	10	☺	
DC160-08-08.800A1-	8,8		80	139	95	40	10	☺	
DC160-08-08.900A1-	8,9		80	139	95	40	10	☺	
DC160-08-09.000A1-	9		80	139	95	40	10	☺	
DC160-08-09.100A1-	9,1		80	139	95	40	10	☺	
DC160-08-09.128A1-	9,128	23/64"	80	139	95	40	10	☺	
DC160-08-09.200A1-	9,2		80	139	95	40	10	☺	
DC160-08-09.300A1-	9,3		80	139	95	40	10	☺	
DC160-08-09.400A1-	9,4		80	139	95	40	10	☺	
DC160-08-09.500A1-	9,5		80	139	95	40	10	☺	
DC160-08-09.525A1-	9,525	3/8"	80	139	95	40	10	☺	
DC160-08-09.600A1-	9,6		80	139	95	40	10	☺	
DC160-08-09.700A1-	9,7		80	139	95	40	10	☺	
DC160-08-09.800A1-	9,8		80	139	95	40	10	☺	
DC160-08-09.900A1-	9,9		80	139	95	40	10	☺	

Ordering example for the WJ30ET grade: DC160-08-03.000A1-WJ30ET

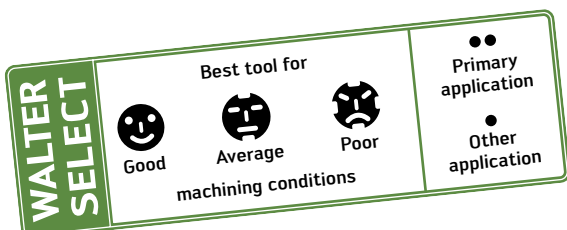
Continued

Continued

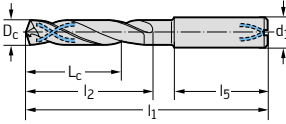





	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HA	DC160-08-09.922A1-	9,922	25/64"	80	139	95	40	10
		DC160-08-10.000A1-	10		80	139	95	40	10
		DC160-08-10.100A1-	10,1		96	163	114	45	12
		DC160-08-10.200A1-	10,2		96	163	114	45	12
		DC160-08-10.300A1-	10,3		96	163	114	45	12
		DC160-08-10.319A1-	10,319	13/32"	96	163	114	45	12
		DC160-08-10.400A1-	10,4		96	163	114	45	12
		DC160-08-10.500A1-	10,5		96	163	114	45	12
		DC160-08-10.600A1-	10,6		96	163	114	45	12
		DC160-08-10.700A1-	10,7		96	163	114	45	12
		DC160-08-10.716A1-	10,716	27/64"	96	163	114	45	12
		DC160-08-10.800A1-	10,8		96	163	114	45	12
		DC160-08-10.900A1-	10,9		96	163	114	45	12
		DC160-08-11.000A1-	11		96	163	114	45	12
		DC160-08-11.100A1-	11,1		96	163	114	45	12
		DC160-08-11.113A1-	11,113	7/16"	96	163	114	45	12
		DC160-08-11.200A1-	11,2		96	163	114	45	12
		DC160-08-11.300A1-	11,3		96	163	114	45	12
		DC160-08-11.400A1-	11,4		96	163	114	45	12
		DC160-08-11.500A1-	11,5		96	163	114	45	12
		DC160-08-11.509A1-	11,509	29/64"	96	163	114	45	12
		DC160-08-11.600A1-	11,6		96	163	114	45	12
		DC160-08-11.700A1-	11,7		96	163	114	45	12
		DC160-08-11.800A1-	11,8		96	163	114	45	12
		DC160-08-11.900A1-	11,9		96	163	114	45	12
		DC160-08-11.906A1-	11,906	15/32"	96	163	114	45	12
		DC160-08-12.000A1-	12		96	163	114	45	12
		DC160-08-12.303A1-	12,303	31/64"	119	182	133	45	14
		DC160-08-12.500A1-	12,5		119	182	133	45	14
		DC160-08-12.700A1-	12,7	1/2"	119	182	133	45	14
		DC160-08-13.000A1-	13		119	182	133	45	14
		DC160-08-13.494A1-	13,494	17/32"	119	182	133	45	14
		DC160-08-13.500A1-	13,5		119	182	133	45	14
		DC160-08-14.000A1-	14		119	182	133	45	14
		DC160-08-14.288A1-	14,288	9/16"	136	204	152	48	16
	DC160-08-14.500A1-	14,5		136	204	152	48	16	
	DC160-08-15.000A1-	15		136	204	152	48	16	
	DC160-08-15.500A1-	15,5		136	204	152	48	16	
	DC160-08-15.875A1-	15,875	5/8"	136	204	152	48	16	
	DC160-08-16.000A1-	16		136	204	152	48	16	
	DC160-08-16.500A1-	16,5		153	223	171	48	18	
	DC160-08-17.000A1-	17		153	223	171	48	18	
	DC160-08-17.500A1-	17,5		153	223	171	48	18	
	DC160-08-18.000A1-	18		153	223	171	48	18	

Ordering example for the WJ30ET grade: DC160-08-03.000A1-WJ30ET

Continued



Continued

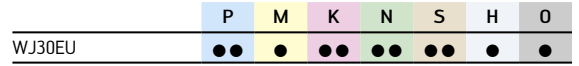
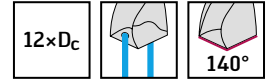
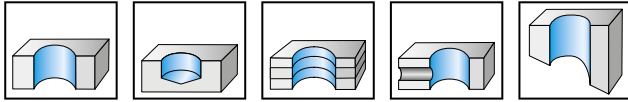
		D_c m7 mm	D_c Inch/No.	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30ET
	Shank DIN 6535 HA								
	DC160-08-18.500A1-	18,5		170	244	190	50	20	
	DC160-08-19.000A1-	19		170	244	190	50	20	
	DC160-08-19.050A1-	19,05	3/4"	170	244	190	50	20	
	DC160-08-19.500A1-	19,5		170	244	190	50	20	
	DC160-08-20.000A1-	20		170	244	190	50	20	

Ordering example for the WJ30ET grade: DC160-08-03.000A1-WJ30ET

Solid carbide drills with internal coolant

DC160 Advance

X-treme Evo



Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EU
DC160-12-03.000A1-	3		48	92	54	36	6	●●●●●●●●
DC160-12-03.100A1-	3,1		48	92	54	36	6	●●●●●●●●
DC160-12-03.175A1-	3,175	1/8"	48	92	54	36	6	●●●●●●●●
DC160-12-03.200A1-	3,2		48	92	54	36	6	●●●●●●●●
DC160-12-03.300A1-	3,3		48	92	54	36	6	●●●●●●●●
DC160-12-03.400A1-	3,4		48	92	54	36	6	●●●●●●●●
DC160-12-03.500A1-	3,5		48	92	54	36	6	●●●●●●●●
DC160-12-03.572A1-	3,572	9/64"	48	92	54	36	6	●●●●●●●●
DC160-12-03.600A1-	3,6		48	92	54	36	6	●●●●●●●●
DC160-12-03.700A1-	3,7		48	92	54	36	6	●●●●●●●●
DC160-12-03.800A1-	3,8		56	102	64	36	6	●●●●●●●●
DC160-12-03.900A1-	3,9		56	102	64	36	6	●●●●●●●●
DC160-12-03.969A1-	3,969	5/32"	56	102	64	36	6	●●●●●●●●
DC160-12-04.000A1-	4		56	102	64	36	6	●●●●●●●●
DC160-12-04.100A1-	4,1		56	102	64	36	6	●●●●●●●●
DC160-12-04.200A1-	4,2		56	102	64	36	6	●●●●●●●●
DC160-12-04.300A1-	4,3		56	102	64	36	6	●●●●●●●●
DC160-12-04.366A1-	4,366	11/64"	56	102	64	36	6	●●●●●●●●
DC160-12-04.400A1-	4,4		56	102	64	36	6	●●●●●●●●
DC160-12-04.500A1-	4,5		56	102	64	36	6	●●●●●●●●
DC160-12-04.600A1-	4,6		56	102	64	36	6	●●●●●●●●
DC160-12-04.700A1-	4,7		56	102	64	36	6	●●●●●●●●
DC160-12-04.763A1-	4,763	3/16"	74	121	83	36	6	●●●●●●●●
DC160-12-04.800A1-	4,8		74	121	83	36	6	●●●●●●●●
DC160-12-04.900A1-	4,9		74	121	83	36	6	●●●●●●●●
DC160-12-05.000A1-	5		74	121	83	36	6	●●●●●●●●
DC160-12-05.100A1-	5,1		74	121	83	36	6	●●●●●●●●
DC160-12-05.159A1-	5,159	13/64"	74	121	83	36	6	●●●●●●●●
DC160-12-05.200A1-	5,2		74	121	83	36	6	●●●●●●●●
DC160-12-05.300A1-	5,3		74	121	83	36	6	●●●●●●●●
DC160-12-05.400A1-	5,4		74	121	83	36	6	●●●●●●●●
DC160-12-05.500A1-	5,5		74	121	83	36	6	●●●●●●●●
DC160-12-05.550A1-	5,55		74	121	83	36	6	●●●●●●●●
DC160-12-05.556A1-	5,556	7/32"	74	121	83	36	6	●●●●●●●●
DC160-12-05.600A1-	5,6		74	121	83	36	6	●●●●●●●●
DC160-12-05.700A1-	5,7		74	121	83	36	6	●●●●●●●●
DC160-12-05.800A1-	5,8		74	121	83	36	6	●●●●●●●●
DC160-12-05.900A1-	5,9		74	121	83	36	6	●●●●●●●●
DC160-12-06.000A1-	6		74	121	83	36	6	●●●●●●●●
DC160-12-06.100A1-	6,1		98	148	110	36	8	●●●●●●●●
DC160-12-06.200A1-	6,2		98	148	110	36	8	●●●●●●●●
DC160-12-06.300A1-	6,3		98	148	110	36	8	●●●●●●●●
DC160-12-06.350A1-	6,35	1/4"	98	148	110	36	8	●●●●●●●●
DC160-12-06.400A1-	6,4		98	148	110	36	8	●●●●●●●●
DC160-12-06.500A1-	6,5		98	148	110	36	8	●●●●●●●●
DC160-12-06.600A1-	6,6		98	148	110	36	8	●●●●●●●●
DC160-12-06.700A1-	6,7		98	148	110	36	8	●●●●●●●●

Ordering example for the WJ30EU grade: DC160-12-03.000A1-WJ30EU

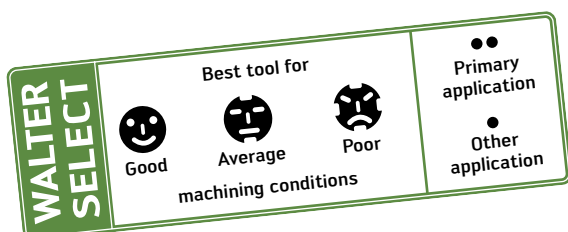
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EU
	Shank DIN 6535 HA								
	DC160-12-06.747A1-	6,747	17/64"	98	148	110	36	8	☺☺
	DC160-12-06.800A1-	6,8		98	148	110	36	8	☺☺
	DC160-12-06.900A1-	6,9		98	148	110	36	8	☺☺
	DC160-12-07.000A1-	7		98	148	110	36	8	☺☺
	DC160-12-07.100A1-	7,1		98	148	110	36	8	☺☺
	DC160-12-07.144A1-	7,144	9/32"	98	148	110	36	8	☺☺
	DC160-12-07.200A1-	7,2		98	148	110	36	8	☺☺
	DC160-12-07.300A1-	7,3		98	148	110	36	8	☺☺
	DC160-12-07.400A1-	7,4		98	148	110	36	8	☺☺
	DC160-12-07.500A1-	7,5		98	148	110	36	8	☺☺
	DC160-12-07.541A1-	7,541	19/64"	98	148	110	36	8	☺☺
	DC160-12-07.800A1-	7,8		98	148	110	36	8	☺☺
	DC160-12-07.900A1-	7,9		98	148	110	36	8	☺☺
	DC160-12-07.938A1-	7,938	5/16"	98	148	110	36	8	☺☺
	DC160-12-08.000A1-	8		98	148	110	36	8	☺☺
	DC160-12-08.100A1-	8,1		123	180	138	40	10	☺☺
	DC160-12-08.200A1-	8,2		123	180	138	40	10	☺☺
	DC160-12-08.300A1-	8,3		123	180	138	40	10	☺☺
	DC160-12-08.400A1-	8,4		123	180	138	40	10	☺☺
	DC160-12-08.500A1-	8,5		123	180	138	40	10	☺☺
	DC160-12-08.600A1-	8,6		123	180	138	40	10	☺☺
	DC160-12-08.700A1-	8,7		123	180	138	40	10	☺☺
	DC160-12-08.731A1-	8,731	11/32"	123	180	138	40	10	☺☺
	DC160-12-08.800A1-	8,8		123	180	138	40	10	☺☺
	DC160-12-09.000A1-	9		123	180	138	40	10	☺☺
	DC160-12-09.128A1-	9,128	23/64"	123	180	138	40	10	☺☺
	DC160-12-09.200A1-	9,2		123	180	138	40	10	☺☺
	DC160-12-09.300A1-	9,3		123	180	138	40	10	☺☺
	DC160-12-09.500A1-	9,5		123	180	138	40	10	☺☺
	DC160-12-09.525A1-	9,525	3/8"	123	180	138	40	10	☺☺
	DC160-12-09.600A1-	9,6		123	180	138	40	10	☺☺
	DC160-12-09.700A1-	9,7		123	180	138	40	10	☺☺
	DC160-12-09.800A1-	9,8		123	180	138	40	10	☺☺
	DC160-12-09.922A1-	9,922	25/64"	123	180	138	40	10	☺☺
	DC160-12-10.000A1-	10		123	180	138	40	10	☺☺
	DC160-12-10.100A1-	10,1		140	206	158	45	12	☺☺
	DC160-12-10.200A1-	10,2		140	206	158	45	12	☺☺
	DC160-12-10.300A1-	10,3		140	206	158	45	12	☺☺
	DC160-12-10.319A1-	10,319	13/32"	140	206	158	45	12	☺☺
DC160-12-10.400A1-	10,4		140	206	158	45	12	☺☺	
DC160-12-10.500A1-	10,5		140	206	158	45	12	☺☺	
DC160-12-10.716A1-	10,716	27/64"	140	206	158	45	12	☺☺	
DC160-12-10.800A1-	10,8		140	206	158	45	12	☺☺	
DC160-12-11.000A1-	11		140	206	158	45	12	☺☺	
DC160-12-11.100A1-	11,1		140	206	158	45	12	☺☺	
DC160-12-11.113A1-	11,113	7/16"	140	206	158	45	12	☺☺	
DC160-12-11.200A1-	11,2		140	206	158	45	12	☺☺	
DC160-12-11.500A1-	11,5		140	206	158	45	12	☺☺	
DC160-12-11.509A1-	11,509	29/64"	140	206	158	45	12	☺☺	
DC160-12-11.700A1-	11,7		140	206	158	45	12	☺☺	
DC160-12-11.800A1-	11,8		140	206	158	45	12	☺☺	
DC160-12-11.906A1-	11,906	15/32"	140	206	158	45	12	☺☺	
DC160-12-12.000A1-	12		140	206	158	45	12	☺☺	
DC160-12-12.100A1-	12,1		168	230	182	45	14	☺☺	
DC160-12-12.200A1-	12,2		168	230	182	45	14	☺☺	
DC160-12-12.300A1-	12,3		168	230	182	45	14	☺☺	
DC160-12-12.303A1-	12,303	31/64"	168	230	182	45	14	☺☺	

Ordering example for the WJ30EU grade: DC160-12-03.000A1-WJ30EU

Continued



Continued

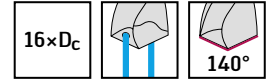
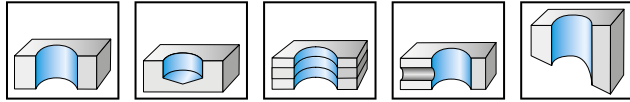
	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EU	
	Shank DIN 6535 HA	DC160-12-12.500A1-	12,5	168	230	182	45	14	⊕	
		DC160-12-12.600A1-	12,6	168	230	182	45	14	⊕	
		DC160-12-12.700A1-	12,7	1/2"	168	230	182	45	14	⊕
		DC160-12-13.000A1-	13		168	230	182	45	14	⊕
		DC160-12-13.494A1-	13,494	17/32"	168	230	182	45	14	⊕
		DC160-12-13.500A1-	13,5		168	230	182	45	14	⊕
		DC160-12-14.000A1-	14		168	230	182	45	14	⊕
		DC160-12-14.288A1-	14,288	9/16"	192	260	208	48	16	⊕
		DC160-12-14.500A1-	14,5		192	260	208	48	16	⊕
		DC160-12-15.000A1-	15		192	260	208	48	16	⊕
		DC160-12-15.500A1-	15,5		192	260	208	48	16	⊕
		DC160-12-15.875A1-	15,875	5/8"	192	260	208	48	16	⊕
		DC160-12-16.000A1-	16		192	260	208	48	16	⊕
		DC160-12-16.500A1-	16,5		216	285	234	48	18	⊕
		DC160-12-17.000A1-	17		216	285	234	48	18	⊕
		DC160-12-17.500A1-	17,5		216	285	234	48	18	⊕
		DC160-12-18.000A1-	18		216	285	234	48	18	⊕
		DC160-12-18.500A1-	18,5		238	310	258	50	20	⊕
		DC160-12-19.000A1-	19		238	310	258	50	20	⊕
		DC160-12-19.500A1-	19,5		238	310	258	50	20	⊕
	DC160-12-20.000A1-	20		238	310	258	50	20	⊕	

Ordering example for the WJ30EU grade: DC160-12-03.000A1-WJ30EU

Solid carbide drills with internal coolant

DC160 Advance

X-treme Evo



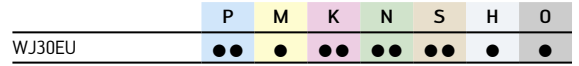
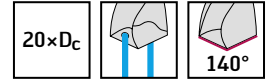
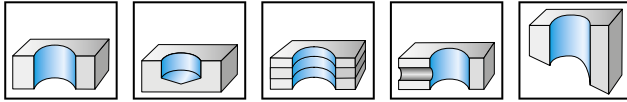
Shank DIN 6535 HA	Designation	D _c	D _c	L _c	l ₁	l ₂	l ₅	d ₁	WJ30EU
		h7	Inch/No.	mm	mm	mm	mm	h6	
	DC160-16-03.000A1-	3		52	89	57	28	4	●●●●●●●●
	DC160-16-03.175A1-	3,175	1/8"	60	98	66	28	4	●●●●●●●●
	DC160-16-03.500A1-	3,5		72	110	78	28	4	●●●●●●●●
	DC160-16-03.572A1-	3,572	9/64"	72	110	78	28	4	●●●●●●●●
	DC160-16-03.969A1-	3,969	5/32"	72	110	78	28	4	●●●●●●●●
	DC160-16-04.000A1-	4		72	110	78	28	4	●●●●●●●●
	DC160-16-04.500A1-	4,5		93	132	100	28	5	●●●●●●●●
	DC160-16-04.763A1-	4,763	3/16"	92	132	100	28	5	●●●●●●●●
	DC160-16-04.800A1-	4,8		92	132	100	28	5	●●●●●●●●
	DC160-16-05.000A1-	5		92	132	100	28	5	●●●●●●●●
	DC160-16-05.500A1-	5,5		101	150	110	36	6	●●●●●●●●
	DC160-16-05.556A1-	5,556	7/32"	111	160	120	36	6	●●●●●●●●
	DC160-16-05.800A1-	5,8		111	160	120	36	6	●●●●●●●●
	DC160-16-06.000A1-	6		111	160	120	36	6	●●●●●●●●
	DC160-16-06.100A1-	6,1		124	175	135	36	8	●●●●●●●●
	DC160-16-06.350A1-	6,35	1/4"	124	175	135	36	8	●●●●●●●●
	DC160-16-06.500A1-	6,5		124	175	135	36	8	●●●●●●●●
	DC160-16-06.800A1-	6,8		124	175	135	36	8	●●●●●●●●
	DC160-16-07.000A1-	7		124	175	135	36	8	●●●●●●●●
	DC160-16-07.144A1-	7,144	9/32"	140	192	152	36	8	●●●●●●●●
	DC160-16-07.400A1-	7,4		140	192	152	36	8	●●●●●●●●
	DC160-16-07.500A1-	7,5		140	192	152	36	8	●●●●●●●●
	DC160-16-07.938A1-	7,938	5/16"	140	192	152	36	8	●●●●●●●●
	DC160-16-08.000A1-	8		140	192	152	36	8	●●●●●●●●
	DC160-16-08.300A1-	8,3		148	206	162	40	10	●●●●●●●●
	DC160-16-08.500A1-	8,5		148	206	162	40	10	●●●●●●●●
	DC160-16-08.731A1-	8,731	11/32"	148	206	162	40	10	●●●●●●●●
	DC160-16-09.000A1-	9		148	206	162	40	10	●●●●●●●●
	DC160-16-09.525A1-	9,525	3/8"	165	224	180	40	10	●●●●●●●●
	DC160-16-09.800A1-	9,8		165	224	180	40	10	●●●●●●●●
	DC160-16-10.000A1-	10		165	224	180	40	10	●●●●●●●●
	DC160-16-10.200A1-	10,2		181	247	198	45	12	●●●●●●●●
	DC160-16-10.319A1-	10,319	13/32"	181	247	198	45	12	●●●●●●●●
	DC160-16-11.000A1-	11		181	247	198	45	12	●●●●●●●●
	DC160-16-11.113A1-	11,113	7/16"	198	265	216	45	12	●●●●●●●●
	DC160-16-11.500A1-	11,5		198	265	216	45	12	●●●●●●●●
	DC160-16-11.800A1-	11,8		198	265	216	45	12	●●●●●●●●
	DC160-16-11.906A1-	11,906	15/32"	198	265	216	45	12	●●●●●●●●
	DC160-16-12.000A1-	12		198	265	216	45	12	●●●●●●●●
	DC160-16-12.700A1-	12,7	1/2"	238	301	252	45	14	●●●●●●●●
	DC160-16-13.000A1-	13		238	301	252	45	14	●●●●●●●●
	DC160-16-14.000A1-	14		238	301	252	45	14	●●●●●●●●
	DC160-16-14.288A1-	14,288	9/16"	272	340	288	48	16	●●●●●●●●
	DC160-16-15.000A1-	15		272	340	288	48	16	●●●●●●●●
	DC160-16-16.000A1-	16		272	340	288	48	16	●●●●●●●●

Ordering example for the WJ30EU grade: DC160-16-03.000A1-WJ30EU

Solid carbide drills with internal coolant

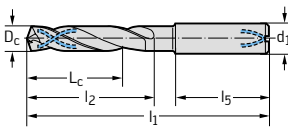
DC160 Advance

X-treme Evo



Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EU
DC160-20-03.000A1-	3		60	97	65	28	4	☺
DC160-20-03.175A1-	3,175	1/8"	74	112	80	28	4	☺
DC160-20-03.500A1-	3,5		86	124	92	28	4	☺
DC160-20-03.572A1-	3,572	9/64"	86	124	92	28	4	☺
DC160-20-03.969A1-	3,969	5/32"	86	124	92	28	4	☺
DC160-20-04.000A1-	4		86	124	92	28	4	☺
DC160-20-04.500A1-	4,5		111	150	118	28	5	☺
DC160-20-04.763A1-	4,763	3/16"	110	150	118	28	5	☺
DC160-20-04.800A1-	4,8		110	150	118	28	5	☺
DC160-20-05.000A1-	5		110	150	118	28	5	☺
DC160-20-05.500A1-	5,5		123	170	132	36	6	☺
DC160-20-05.556A1-	5,556	7/32"	135	182	144	36	6	☺
DC160-20-05.800A1-	5,8		135	182	144	36	6	☺
DC160-20-06.000A1-	6		135	182	144	36	6	☺
DC160-20-06.100A1-	6,1		151	200	162	36	8	☺
DC160-20-06.350A1-	6,35	1/4"	151	200	162	36	8	☺
DC160-20-06.500A1-	6,5		151	200	162	36	8	☺
DC160-20-06.800A1-	6,8		151	200	162	36	8	☺
DC160-20-07.000A1-	7		151	200	162	36	8	☺
DC160-20-07.144A1-	7,144	9/32"	172	222	184	36	8	☺
DC160-20-07.400A1-	7,4		172	222	184	36	8	☺
DC160-20-07.500A1-	7,5		172	222	184	36	8	☺
DC160-20-07.938A1-	7,938	5/16"	172	222	184	36	8	☺
DC160-20-08.000A1-	8		172	222	184	36	8	☺
DC160-20-08.300A1-	8,3		184	240	198	40	10	☺
DC160-20-08.500A1-	8,5		184	240	198	40	10	☺
DC160-20-08.731A1-	8,731	11/32"	184	240	198	40	10	☺
DC160-20-09.000A1-	9		184	240	198	40	10	☺
DC160-20-09.525A1-	9,525	3/8"	205	262	220	40	10	☺
DC160-20-09.800A1-	9,8		205	262	220	40	10	☺
DC160-20-10.000A1-	10		205	262	220	40	10	☺
DC160-20-10.200A1-	10,2		225	289	242	45	12	☺
DC160-20-10.319A1-	10,319	13/32"	225	289	242	45	12	☺
DC160-20-11.000A1-	11		225	289	242	45	12	☺
DC160-20-11.113A1-	11,113	7/16"	246	311	264	45	12	☺
DC160-20-11.500A1-	11,5		246	311	264	45	12	☺
DC160-20-11.800A1-	11,8		246	311	264	45	12	☺
DC160-20-11.906A1-	11,906	15/32"	246	311	264	45	12	☺
DC160-20-12.000A1-	12		246	311	264	45	12	☺
DC160-20-12.700A1-	12,7	1/2"	294	357	308	45	14	☺
DC160-20-13.000A1-	13		294	357	308	45	14	☺
DC160-20-14.000A1-	14		294	357	308	45	14	☺
DC160-20-14.288A1-	14,288	9/16"	336	404	352	48	16	☺

Shank DIN 6535 HA



Ordering example for the WJ30EU grade: DC160-20-03.000A1-WJ30EU

Continued

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

machining conditions

•• Primary application

• Other application

Continued

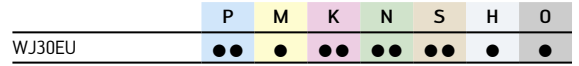
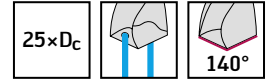
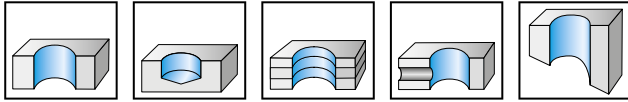
	Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EU
Shank DIN 6535 HA	DC160-20-15.000A1-	15		336	404	352	48	16	
	DC160-20-16.000A1-	16		336	404	352	48	16	

Ordering example for the WJ30EU grade: DC160-20-03.000A1-WJ30EU

Solid carbide drills with internal coolant

DC160 Advance

X-treme Evo



Shank DIN 6535 HA	Designation	D _c	D _c	L _c	l ₁	l ₂	l ₅	d ₁	WJ30EU
		h7	Inch/No.	mm	mm	mm	mm	h6	
	DC160-25-03.000A1-	3		79	119	84	28	4	●
	DC160-25-03.175A1-	3,175	1/8"	96	148	102	28	4	●
	DC160-25-03.500A1-	3,5		108	148	114	28	4	●
	DC160-25-03.572A1-	3,572	9/64"	108	148	114	28	4	●
	DC160-25-03.969A1-	3,969	5/32"	108	148	114	28	4	●
	DC160-25-04.000A1-	4		108	148	114	28	4	●
	DC160-25-04.500A1-	4,5		138	177	145	28	5	●
	DC160-25-04.763A1-	4,763	3/16"	137	177	145	28	5	●
	DC160-25-04.800A1-	4,8		137	177	145	28	5	●
	DC160-25-05.000A1-	5		137	177	145	28	5	●
	DC160-25-05.500A1-	5,5		151	200	160	36	6	●
	DC160-25-05.556A1-	5,556	7/32"	165	214	174	36	6	●
	DC160-25-05.800A1-	5,8		165	214	174	36	6	●
	DC160-25-06.000A1-	6		165	214	174	36	6	●
	DC160-25-06.100A1-	6,1		183	234	194	36	8	●
	DC160-25-06.350A1-	6,35	1/4"	183	234	194	36	8	●
	DC160-25-06.500A1-	6,5		183	234	194	36	8	●
	DC160-25-06.800A1-	6,8		183	234	194	36	8	●
	DC160-25-07.000A1-	7		183	234	194	36	8	●
	DC160-25-07.144A1-	7,144	9/32"	208	260	220	36	8	●
	DC160-25-07.400A1-	7,4		208	260	220	36	8	●
	DC160-25-07.500A1-	7,5		208	260	220	36	8	●
	DC160-25-07.938A1-	7,938	5/16"	208	260	220	36	8	●
	DC160-25-08.000A1-	8		208	260	220	36	8	●
	DC160-25-08.300A1-	8,3		229	289	243	40	10	●
	DC160-25-08.500A1-	8,5		229	289	243	40	10	●
	DC160-25-08.731A1-	8,731	11/32"	229	289	243	40	10	●
	DC160-25-09.000A1-	9		229	289	243	40	10	●
	DC160-25-09.525A1-	9,525	3/8"	255	314	270	40	10	●
	DC160-25-09.800A1-	9,8		255	314	270	40	10	●
	DC160-25-10.000A1-	10		255	314	270	40	10	●
	DC160-25-10.200A1-	10,2		280	346	297	45	12	●
	DC160-25-10.319A1-	10,319	13/32"	280	346	297	45	12	●
	DC160-25-11.000A1-	11		280	346	297	45	12	●
	DC160-25-11.113A1-	11,113	7/16"	306	373	324	45	12	●
	DC160-25-11.500A1-	11,5		306	373	324	45	12	●
	DC160-25-11.800A1-	11,8		306	373	324	45	12	●
	DC160-25-11.906A1-	11,906	15/32"	306	373	324	45	12	●
	DC160-25-12.000A1-	12		306	373	324	45	12	●

Ordering example for the WJ30EU grade: DC160-25-03.000A1-WJ30EU

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

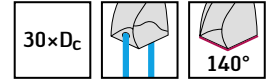
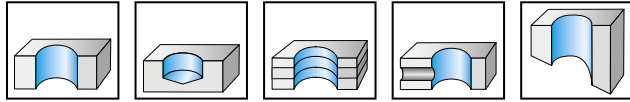
●● Primary application

● Other application

Solid carbide drills with internal coolant

DC160 Advance

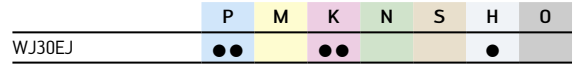
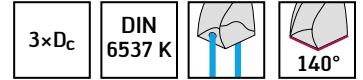
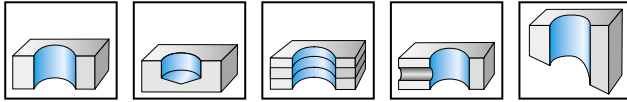
X-treme Evo



Shank DIN 6535 HA	Designation	D _c	D _c	L _c	l ₁	l ₂	l ₅	d ₁	WJ30EU
		h7	Inch/No.	mm	mm	mm	mm	h6	
	DC160-30-03.000A1-	3		92	132	97	28	4	●
	DC160-30-03.175A1-	3,175	1/8"	114	166	120	28	4	●
	DC160-30-03.500A1-	3,5		127	166	133	28	4	●
	DC160-30-03.572A1-	3,572	9/64"	127	166	133	28	4	●
	DC160-30-03.969A1-	3,969	5/32"	127	166	133	28	4	●
	DC160-30-04.000A1-	4		127	166	133	28	4	●
	DC160-30-04.500A1-	4,5		162	200	169	28	5	●
	DC160-30-04.763A1-	4,763	3/16"	161	200	169	28	5	●
	DC160-30-04.800A1-	4,8		161	200	169	28	5	●
	DC160-30-05.000A1-	5		161	200	169	28	5	●
	DC160-30-05.500A1-	5,5		178	225	187	36	6	●
	DC160-30-05.556A1-	5,556	7/32"	195	242	204	36	6	●
	DC160-30-05.800A1-	5,8		195	242	204	36	6	●
	DC160-30-06.000A1-	6		195	242	204	36	6	●
	DC160-30-06.100A1-	6,1		217	268	228	36	8	●
	DC160-30-06.350A1-	6,35	1/4"	217	268	228	36	8	●
	DC160-30-06.500A1-	6,5		217	268	228	36	8	●
	DC160-30-06.800A1-	6,8		217	268	228	36	8	●
	DC160-30-07.000A1-	7		217	268	228	36	8	●
	DC160-30-07.144A1-	7,144	9/32"	244	294	256	36	8	●
	DC160-30-07.400A1-	7,4		244	294	256	36	8	●
	DC160-30-07.500A1-	7,5		244	294	256	36	8	●
	DC160-30-07.938A1-	7,938	5/16"	244	294	256	36	8	●
	DC160-30-08.000A1-	8		244	294	256	36	8	●
	DC160-30-08.300A1-	8,3		273	330	287	40	10	●
	DC160-30-08.500A1-	8,5		273	330	287	40	10	●
	DC160-30-08.731A1-	8,731	11/32"	273	330	287	40	10	●
	DC160-30-09.000A1-	9		273	330	287	40	10	●
	DC160-30-09.525A1-	9,525	3/8"	305	364	320	40	10	●
	DC160-30-09.800A1-	9,8		305	364	320	40	10	●
	DC160-30-10.000A1-	10		305	364	320	40	10	●
	DC160-30-10.200A1-	10,2		335	401	352	45	12	●
	DC160-30-10.319A1-	10,319	13/32"	335	401	352	45	12	●
	DC160-30-11.000A1-	11		335	401	352	45	12	●
	DC160-30-11.113A1-	11,113	7/16"	364	430	382	45	12	●
	DC160-30-11.500A1-	11,5		364	430	382	45	12	●
	DC160-30-11.800A1-	11,8		364	430	382	45	12	●
	DC160-30-11.906A1-	11,906	15/32"	364	430	382	45	12	●
	DC160-30-12.000A1-	12		364	430	382	45	12	●

Ordering example for the WJ30EU grade: DC160-30-03.000A1-WJ30EU

Solid carbide drills with internal coolant DC170 Supreme



Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
DC170-03-03.000A1-	3		14	62	20	36	6	☺
DC170-03-03.100A1-	3,1		14	62	20	36	6	☺
DC170-03-03.175A1-	3,175	1/8"	14	62	20	36	6	☺
DC170-03-03.200A1-	3,2		14	62	20	36	6	☺
DC170-03-03.300A1-	3,3		14	62	20	36	6	☺
DC170-03-03.400A1-	3,4		14	62	20	36	6	☺
DC170-03-03.500A1-	3,5		14	62	20	36	6	☺
DC170-03-03.572A1-	3,572	9/64"	14	62	20	36	6	☺
DC170-03-03.600A1-	3,6		14	62	20	36	6	☺
DC170-03-03.700A1-	3,7		14	62	20	36	6	☺
DC170-03-03.800A1-	3,8		17	66	24	36	6	☺
DC170-03-03.900A1-	3,9		17	66	24	36	6	☺
DC170-03-03.969A1-	3,969	5/32"	17	66	24	36	6	☺
DC170-03-04.000A1-	4		17	66	24	36	6	☺
DC170-03-04.100A1-	4,1		17	66	24	36	6	☺
DC170-03-04.200A1-	4,2		17	66	24	36	6	☺
DC170-03-04.300A1-	4,3		17	66	24	36	6	☺
DC170-03-04.366A1-	4,366	11/64"	17	66	24	36	6	☺
DC170-03-04.400A1-	4,4		17	66	24	36	6	☺
DC170-03-04.500A1-	4,5		17	66	24	36	6	☺
DC170-03-04.600A1-	4,6		17	66	24	36	6	☺
DC170-03-04.650A1-	4,65		17	66	24	36	6	☺
DC170-03-04.700A1-	4,7		17	66	24	36	6	☺
DC170-03-04.763A1-	4,763	3/16"	20	66	28	36	6	☺
DC170-03-04.800A1-	4,8		20	66	28	36	6	☺
DC170-03-04.900A1-	4,9		20	66	28	36	6	☺
DC170-03-05.000A1-	5		20	66	28	36	6	☺
DC170-03-05.100A1-	5,1		20	66	28	36	6	☺
DC170-03-05.159A1-	5,159	13/64"	20	66	28	36	6	☺
DC170-03-05.200A1-	5,2		20	66	28	36	6	☺
DC170-03-05.300A1-	5,3		20	66	28	36	6	☺
DC170-03-05.400A1-	5,4		20	66	28	36	6	☺
DC170-03-05.500A1-	5,5		20	66	28	36	6	☺
DC170-03-05.550A1-	5,55		20	66	28	36	6	☺
DC170-03-05.556A1-	5,556	7/32"	20	66	28	36	6	☺
DC170-03-05.600A1-	5,6		20	66	28	36	6	☺
DC170-03-05.700A1-	5,7		20	66	28	36	6	☺
DC170-03-05.800A1-	5,8		20	66	28	36	6	☺
DC170-03-05.900A1-	5,9		20	66	28	36	6	☺
DC170-03-05.953A1-	5,953	15/64"	20	66	28	36	6	☺
DC170-03-06.000A1-	6		20	66	28	36	6	☺
DC170-03-06.100A1-	6,1		24	79	34	36	8	☺
DC170-03-06.200A1-	6,2		24	79	34	36	8	☺
DC170-03-06.300A1-	6,3		24	79	34	36	8	☺
DC170-03-06.350A1-	6,35	1/4"	24	79	34	36	8	☺
DC170-03-06.400A1-	6,4		24	79	34	36	8	☺
DC170-03-06.500A1-	6,5		24	79	34	36	8	☺

Ordering example for the WJ30EJ grade: DC170-03-03.000A1-WJ30EJ

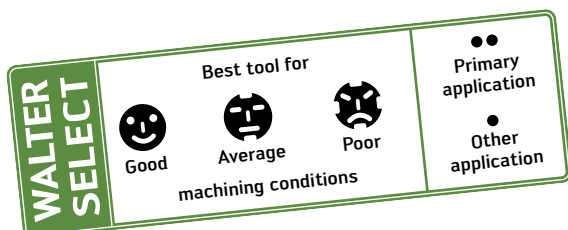
Continued

Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ	
	Shank DIN 6535 HA	DC170-03-06.600A1-		24	79	34	36	8	☺	
		DC170-03-06.700A1-		24	79	34	36	8	☺	
		DC170-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☺
		DC170-03-06.800A1-	6,8		24	79	34	36	8	☺
		DC170-03-06.900A1-	6,9		24	79	34	36	8	☺
		DC170-03-07.000A1-	7		24	79	34	36	8	☺
		DC170-03-07.100A1-	7,1		29	79	41	36	8	☺
		DC170-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☺
		DC170-03-07.200A1-	7,2		29	79	41	36	8	☺
		DC170-03-07.300A1-	7,3		29	79	41	36	8	☺
		DC170-03-07.400A1-	7,4		29	79	41	36	8	☺
		DC170-03-07.500A1-	7,5		29	79	41	36	8	☺
		DC170-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☺
		DC170-03-07.800A1-	7,8		29	79	41	36	8	☺
		DC170-03-07.900A1-	7,9		29	79	41	36	8	☺
		DC170-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☺
		DC170-03-08.000A1-	8		29	79	41	36	8	☺
		DC170-03-08.100A1-	8,1		35	89	47	40	10	☺
		DC170-03-08.200A1-	8,2		35	89	47	40	10	☺
		DC170-03-08.300A1-	8,3		35	89	47	40	10	☺
		DC170-03-08.500A1-	8,5		35	89	47	40	10	☺
		DC170-03-08.600A1-	8,6		35	89	47	40	10	☺
		DC170-03-08.700A1-	8,7		35	89	47	40	10	☺
		DC170-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☺
		DC170-03-08.800A1-	8,8		35	89	47	40	10	☺
		DC170-03-09.000A1-	9		35	89	47	40	10	☺
		DC170-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☺
		DC170-03-09.200A1-	9,2		35	89	47	40	10	☺
		DC170-03-09.300A1-	9,3		35	89	47	40	10	☺
		DC170-03-09.500A1-	9,5		35	89	47	40	10	☺
		DC170-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☺
		DC170-03-09.600A1-	9,6		35	89	47	40	10	☺
		DC170-03-09.700A1-	9,7		35	89	47	40	10	☺
		DC170-03-09.800A1-	9,8		35	89	47	40	10	☺
		DC170-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☺
		DC170-03-10.000A1-	10		35	89	47	40	10	☺
	DC170-03-10.100A1-	10,1		40	102	55	45	12	☺	
	DC170-03-10.200A1-	10,2		40	102	55	45	12	☺	
	DC170-03-10.300A1-	10,3		40	102	55	45	12	☺	
	DC170-03-10.319A1-	10,319	13/32"	40	102	55	45	12	☺	
	DC170-03-10.400A1-	10,4		40	102	55	45	12	☺	
	DC170-03-10.500A1-	10,5		40	102	55	45	12	☺	
	DC170-03-10.716A1-	10,716	27/64"	40	102	55	45	12	☺	
	DC170-03-10.800A1-	10,8		40	102	55	45	12	☺	
	DC170-03-11.000A1-	11		40	102	55	45	12	☺	
	DC170-03-11.100A1-	11,1		40	102	55	45	12	☺	
	DC170-03-11.113A1-	11,113	7/16"	40	102	55	45	12	☺	
	DC170-03-11.200A1-	11,2		40	102	55	45	12	☺	
	DC170-03-11.500A1-	11,5		40	102	55	45	12	☺	
	DC170-03-11.509A1-	11,509	29/64"	40	102	55	45	12	☺	
	DC170-03-11.700A1-	11,7		40	102	55	45	12	☺	
	DC170-03-11.800A1-	11,8		40	102	55	45	12	☺	
	DC170-03-12.000A1-	12		40	102	55	45	12	☺	
	DC170-03-12.100A1-	12,1		43	107	60	45	14	☺	
	DC170-03-12.200A1-	12,2		43	107	60	45	14	☺	
	DC170-03-12.300A1-	12,3		43	107	60	45	14	☺	
	DC170-03-12.500A1-	12,5		43	107	60	45	14	☺	

Ordering example for the WJ30EJ grade: DC170-03-03.000A1-WJ30EJ

Continued

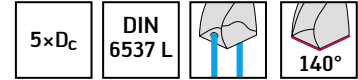
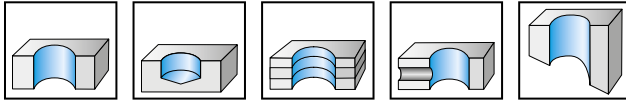


Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
	Shank DIN 6535 HA	DC170-03-12.600A1-	12,6	43	107	60	45	14	⊗
	DC170-03-12.700A1-	12,7	1/2"	43	107	60	45	14	⊗
	DC170-03-13.000A1-	13		43	107	60	45	14	⊗
	DC170-03-13.300A1-	13,3		43	107	60	45	14	⊗
	DC170-03-13.494A1-	13,494	17/32"	43	107	60	45	14	⊗
	DC170-03-13.500A1-	13,5		43	107	60	45	14	⊗
	DC170-03-14.000A1-	14		43	107	60	45	14	⊗
	DC170-03-14.288A1-	14,288	9/16"	45	115	65	48	16	⊗
	DC170-03-14.500A1-	14,5		45	115	65	48	16	⊗
	DC170-03-15.000A1-	15		45	115	65	48	16	⊗
	DC170-03-15.875A1-	15,875	5/8"	45	115	65	48	16	⊗
	DC170-03-16.000A1-	16		45	115	65	48	16	⊗
	DC170-03-16.500A1-	16,5		51	123	73	48	18	⊗
	DC170-03-17.000A1-	17		51	123	73	48	18	⊗
	DC170-03-17.500A1-	17,5		51	123	73	48	18	⊗
	DC170-03-18.000A1-	18		51	123	73	48	18	⊗
	DC170-03-19.050A1-	19,05	3/4"	55	131	79	50	20	⊗
	DC170-03-20.000A1-	20		55	131	79	50	20	⊗

Ordering example for the WJ30EJ grade: DC170-03-03.000A1-WJ30EJ

Solid carbide drills with internal coolant DC170 Supreme



	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-05-03.000A1-	3		23	66	28	36	6	
	DC170-05-03.100A1-	3,1		23	66	28	36	6	
	DC170-05-03.175A1-	3,175	1/8"	23	66	28	36	6	
	DC170-05-03.200A1-	3,2		23	66	28	36	6	
	DC170-05-03.300A1-	3,3		23	66	28	36	6	
	DC170-05-03.400A1-	3,4		23	66	28	36	6	
	DC170-05-03.500A1-	3,5		23	66	28	36	6	
	DC170-05-03.600A1-	3,6		23	66	28	36	6	
	DC170-05-03.700A1-	3,7		23	66	28	36	6	
	DC170-05-03.800A1-	3,8		29	74	36	36	6	
	DC170-05-03.900A1-	3,9		29	74	36	36	6	
	DC170-05-03.969A1-	3,969	5/32"	29	74	36	36	6	
	DC170-05-04.000A1-	4		29	74	36	36	6	
	DC170-05-04.100A1-	4,1		29	74	36	36	6	
	DC170-05-04.200A1-	4,2		29	74	36	36	6	
	DC170-05-04.300A1-	4,3		29	74	36	36	6	
	DC170-05-04.366A1-	4,366	11/64"	29	74	36	36	6	
	DC170-05-04.400A1-	4,4		29	74	36	36	6	
	DC170-05-04.500A1-	4,5		29	74	36	36	6	
	DC170-05-04.600A1-	4,6		29	74	36	36	6	
	DC170-05-04.650A1-	4,65		29	74	36	36	6	
	DC170-05-04.700A1-	4,7		29	74	36	36	6	
	DC170-05-04.763A1-	4,763	3/16"	35	82	44	36	6	
	DC170-05-04.800A1-	4,8		35	82	44	36	6	
	DC170-05-04.900A1-	4,9		35	82	44	36	6	
	DC170-05-05.000A1-	5		35	82	44	36	6	
	DC170-05-05.100A1-	5,1		35	82	44	36	6	

Ordering example for the WJ30EJ grade: DC170-05-03.000A1-WJ30EJ

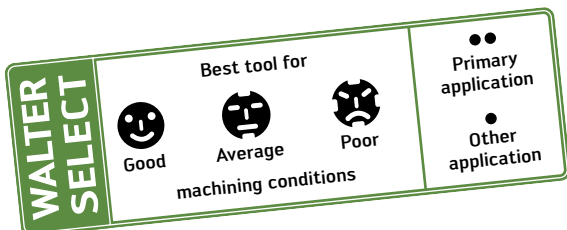
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
	DC170-05-05.159A1-	5,159	13/64"	35	82	44	36	6	☺
	DC170-05-05.200A1-	5,2		35	82	44	36	6	☺
	DC170-05-05.300A1-	5,3		35	82	44	36	6	☺
	DC170-05-05.500A1-	5,5		35	82	44	36	6	☺
	DC170-05-05.550A1-	5,55		35	82	44	36	6	☺
	DC170-05-05.556A1-	5,556	7/32"	35	82	44	36	6	☺
	DC170-05-05.600A1-	5,6		35	82	44	36	6	☺
	DC170-05-05.700A1-	5,7		35	82	44	36	6	☺
	DC170-05-05.800A1-	5,8		35	82	44	36	6	☺
	DC170-05-05.900A1-	5,9		35	82	44	36	6	☺
	DC170-05-05.953A1-	5,953	15/64"	35	82	44	36	6	☺
	DC170-05-06.000A1-	6		35	82	44	36	6	☺
	DC170-05-06.100A1-	6,1		43	91	53	36	8	☺
	DC170-05-06.200A1-	6,2		43	91	53	36	8	☺
	DC170-05-06.300A1-	6,3		43	91	53	36	8	☺
	DC170-05-06.350A1-	6,35	1/4"	43	91	53	36	8	☺
	DC170-05-06.400A1-	6,4		43	91	53	36	8	☺
	DC170-05-06.500A1-	6,5		43	91	53	36	8	☺
	DC170-05-06.600A1-	6,6		43	91	53	36	8	☺
	DC170-05-06.700A1-	6,7		43	91	53	36	8	☺
	DC170-05-06.747A1-	6,747	17/64"	43	91	53	36	8	☺
	DC170-05-06.800A1-	6,8		43	91	53	36	8	☺
	DC170-05-06.900A1-	6,9		43	91	53	36	8	☺
	DC170-05-07.000A1-	7		43	91	53	36	8	☺
	DC170-05-07.100A1-	7,1		43	91	53	36	8	☺
	DC170-05-07.144A1-	7,144	9/32"	43	91	53	36	8	☺
	DC170-05-07.200A1-	7,2		43	91	53	36	8	☺
	DC170-05-07.300A1-	7,3		43	91	53	36	8	☺
	DC170-05-07.400A1-	7,4		43	91	53	36	8	☺
	DC170-05-07.500A1-	7,5		43	91	53	36	8	☺
	DC170-05-07.800A1-	7,8		43	91	53	36	8	☺
	DC170-05-07.900A1-	7,9		43	91	53	36	8	☺
	DC170-05-07.938A1-	7,938	5/16"	43	91	53	36	8	☺
	DC170-05-08.000A1-	8		43	91	53	36	8	☺

Ordering example for the WJ30EJ grade: DC170-05-03.000A1-WJ30EJ

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
	Shank DIN 6535 HA								
	DC170-05-08.100A1-	8,1		49	103	61	40	10	WJ30EJ
	DC170-05-08.200A1-	8,2		49	103	61	40	10	WJ30EJ
	DC170-05-08.300A1-	8,3		49	103	61	40	10	WJ30EJ
	DC170-05-08.334A1-	8,334	21/64"	49	103	61	40	10	WJ30EJ
	DC170-05-08.400A1-	8,4		49	103	61	40	10	WJ30EJ
	DC170-05-08.500A1-	8,5		49	103	61	40	10	WJ30EJ
	DC170-05-08.600A1-	8,6		49	103	61	40	10	WJ30EJ
	DC170-05-08.700A1-	8,7		49	103	61	40	10	WJ30EJ
	DC170-05-08.731A1-	8,731	11/32"	49	103	61	40	10	WJ30EJ
	DC170-05-08.800A1-	8,8		49	103	61	40	10	WJ30EJ
	DC170-05-09.000A1-	9		49	103	61	40	10	WJ30EJ
	DC170-05-09.128A1-	9,128	23/64"	49	103	61	40	10	WJ30EJ
	DC170-05-09.200A1-	9,2		49	103	61	40	10	WJ30EJ
	DC170-05-09.300A1-	9,3		49	103	61	40	10	WJ30EJ
	DC170-05-09.500A1-	9,5		49	103	61	40	10	WJ30EJ
	DC170-05-09.525A1-	9,525	3/8"	49	103	61	40	10	WJ30EJ
	DC170-05-09.600A1-	9,6		49	103	61	40	10	WJ30EJ
	DC170-05-09.700A1-	9,7		49	103	61	40	10	WJ30EJ
	DC170-05-09.800A1-	9,8		49	103	61	40	10	WJ30EJ
	DC170-05-09.900A1-	9,9		49	103	61	40	10	WJ30EJ
	DC170-05-10.000A1-	10		49	103	61	40	10	WJ30EJ
	DC170-05-10.100A1-	10,1		56	118	71	45	12	WJ30EJ
	DC170-05-10.200A1-	10,2		56	118	71	45	12	WJ30EJ
	DC170-05-10.300A1-	10,3		56	118	71	45	12	WJ30EJ
	DC170-05-10.319A1-	10,319	13/32"	56	118	71	45	12	WJ30EJ
	DC170-05-10.400A1-	10,4		56	118	71	45	12	WJ30EJ
	DC170-05-10.500A1-	10,5		56	118	71	45	12	WJ30EJ
	DC170-05-10.716A1-	10,716	27/64"	56	118	71	45	12	WJ30EJ
	DC170-05-10.800A1-	10,8		56	118	71	45	12	WJ30EJ
	DC170-05-11.000A1-	11		56	118	71	45	12	WJ30EJ
	DC170-05-11.100A1-	11,1		56	118	71	45	12	WJ30EJ
	DC170-05-11.113A1-	11,113	7/16"	56	118	71	45	12	WJ30EJ
DC170-05-11.200A1-	11,2		56	118	71	45	12	WJ30EJ	
DC170-05-11.500A1-	11,5		56	118	71	45	12	WJ30EJ	
DC170-05-11.509A1-	11,509	29/64"	56	118	71	45	12	WJ30EJ	
DC170-05-11.800A1-	11,8		56	118	71	45	12	WJ30EJ	
DC170-05-11.906A1-	11,906	15/32"	56	118	71	45	12	WJ30EJ	
DC170-05-12.000A1-	12		56	118	71	45	12	WJ30EJ	
DC170-05-12.100A1-	12,1		60	124	77	45	14	WJ30EJ	
DC170-05-12.200A1-	12,2		60	124	77	45	14	WJ30EJ	

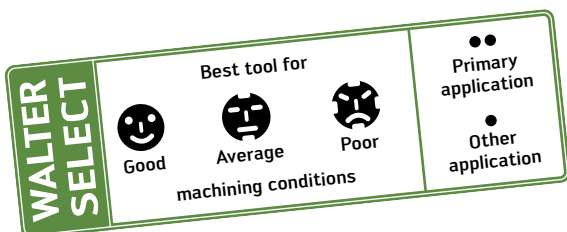
Ordering example for the WJ30EJ grade: DC170-05-03.000A1-WJ30EJ

Continued

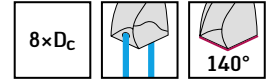
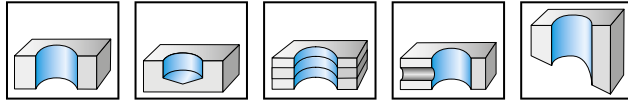
Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
	Shank DIN 6535 HA								
	DC170-05-12.300A1-	12,3		60	124	77	45	14	☺
	DC170-05-12.303A1-	12,303	31/64"	60	124	77	45	14	☺
	DC170-05-12.500A1-	12,5		60	124	77	45	14	☺
	DC170-05-12.700A1-	12,7	1/2"	60	124	77	45	14	☺
	DC170-05-13.000A1-	13		60	124	77	45	14	☺
	DC170-05-13.300A1-	13,3		60	124	77	45	14	☺
	DC170-05-13.494A1-	13,494	17/32"	60	124	77	45	14	☺
	DC170-05-13.500A1-	13,5		60	124	77	45	14	☺
	DC170-05-14.000A1-	14		60	124	77	45	14	☺
	DC170-05-14.288A1-	14,288	9/16"	63	133	83	48	16	☺
	DC170-05-14.500A1-	14,5		63	133	83	48	16	☺
	DC170-05-15.000A1-	15		63	133	83	48	16	☺
	DC170-05-15.500A1-	15,5		63	133	83	48	16	☺
	DC170-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☺
	DC170-05-16.000A1-	16		63	133	83	48	16	☺
	DC170-05-16.500A1-	16,5		71	143	93	48	18	☺
	DC170-05-17.000A1-	17		71	143	93	48	18	☺
	DC170-05-17.500A1-	17,5		71	143	93	48	18	☺
	DC170-05-18.000A1-	18		71	143	93	48	18	☺
	DC170-05-18.500A1-	18,5		77	153	101	50	20	☺
DC170-05-19.000A1-	19		77	153	101	50	20	☺	
DC170-05-19.050A1-	19,05	3/4"	77	153	101	50	20	☺	
DC170-05-20.000A1-	20		77	153	101	50	20	☺	

Ordering example for the WJ30EJ grade: DC170-05-03.000A1-WJ30EJ



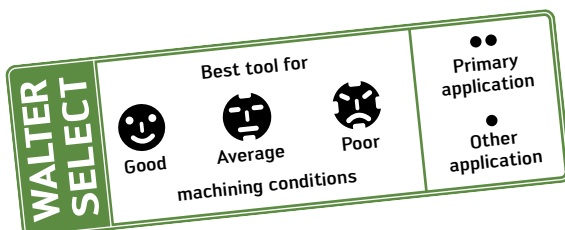
Solid carbide drills with internal coolant DC170 Supreme



	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-08-03.000A1-	3		28	74	34	36	6	☺
	DC170-08-03.100A1-	3,1		28	74	34	36	6	☺
	DC170-08-03.175A1-	3,175	1/8"	28	74	34	36	6	☺
	DC170-08-03.200A1-	3,2		28	74	34	36	6	☺
	DC170-08-03.300A1-	3,3		28	74	34	36	6	☺
	DC170-08-03.400A1-	3,4		28	74	34	36	6	☺
	DC170-08-03.500A1-	3,5		28	74	34	36	6	☺
	DC170-08-03.572A1-	3,572	9/64"	28	74	34	36	6	☺
	DC170-08-03.600A1-	3,6		28	74	34	36	6	☺
	DC170-08-03.700A1-	3,7		28	74	34	36	6	☺
	DC170-08-03.800A1-	3,8		37	85	45	36	6	☺
	DC170-08-03.900A1-	3,9		37	85	45	36	6	☺
	DC170-08-03.969A1-	3,969	5/32"	37	85	45	36	6	☺
	DC170-08-04.000A1-	4		37	85	45	36	6	☺
	DC170-08-04.100A1-	4,1		37	85	45	36	6	☺
	DC170-08-04.200A1-	4,2		37	85	45	36	6	☺
	DC170-08-04.300A1-	4,3		37	85	45	36	6	☺
	DC170-08-04.366A1-	4,366	11/64"	37	85	45	36	6	☺
	DC170-08-04.400A1-	4,4		37	85	45	36	6	☺
	DC170-08-04.500A1-	4,5		37	85	45	36	6	☺
DC170-08-04.600A1-	4,6		37	85	45	36	6	☺	
DC170-08-04.763A1-	4,763	3/16"	48	97	57	36	6	☺	
DC170-08-04.800A1-	4,8		48	97	57	36	6	☺	
DC170-08-04.900A1-	4,9		48	97	57	36	6	☺	
DC170-08-05.000A1-	5		48	97	57	36	6	☺	

Ordering example for the WJ30EJ grade: DC170-08-03.000A1-WJ30EJ

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ	
	Shank DIN 6535 HA	DC170-08-05.100A1-		48	97	57	36	6	⊗	
		DC170-08-05.159A1-	5,159	13/64"	48	97	57	36	6	⊗
		DC170-08-05.200A1-	5,2		48	97	57	36	6	⊗
		DC170-08-05.300A1-	5,3		48	97	57	36	6	⊗
		DC170-08-05.400A1-	5,4		48	97	57	36	6	⊗
		DC170-08-05.500A1-	5,5		48	97	57	36	6	⊗
		DC170-08-05.556A1-	5,556	7/32"	48	97	57	36	6	⊗
		DC170-08-05.600A1-	5,6		48	97	57	36	6	⊗
		DC170-08-05.700A1-	5,7		48	97	57	36	6	⊗
		DC170-08-05.800A1-	5,8		48	97	57	36	6	⊗
		DC170-08-05.900A1-	5,9		48	97	57	36	6	⊗
		DC170-08-05.953A1-	5,953	15/64"	48	97	57	36	6	⊗
		DC170-08-06.000A1-	6		48	97	57	36	6	⊗
		DC170-08-06.100A1-	6,1		55	106	66	36	8	⊗
		DC170-08-06.200A1-	6,2		55	106	66	36	8	⊗
		DC170-08-06.300A1-	6,3		55	106	66	36	8	⊗
		DC170-08-06.350A1-	6,35	1/4"	55	106	66	36	8	⊗
		DC170-08-06.400A1-	6,4		55	106	66	36	8	⊗
		DC170-08-06.500A1-	6,5		55	106	66	36	8	⊗
		DC170-08-06.600A1-	6,6		55	106	66	36	8	⊗
		DC170-08-06.700A1-	6,7		55	106	66	36	8	⊗
		DC170-08-06.747A1-	6,747	17/64"	55	106	66	36	8	⊗
		DC170-08-06.800A1-	6,8		55	106	66	36	8	⊗
		DC170-08-06.900A1-	6,9		55	106	66	36	8	⊗
		DC170-08-07.000A1-	7		55	106	66	36	8	⊗
		DC170-08-07.144A1-	7,144	9/32"	64	116	76	36	8	⊗
		DC170-08-07.400A1-	7,4		64	116	76	36	8	⊗
		DC170-08-07.500A1-	7,5		64	116	76	36	8	⊗
		DC170-08-07.541A1-	7,541	19/64"	64	116	76	36	8	⊗
		DC170-08-07.600A1-	7,6		64	116	76	36	8	⊗
		DC170-08-07.700A1-	7,7		64	116	76	36	8	⊗
		DC170-08-07.800A1-	7,8		64	116	76	36	8	⊗
		DC170-08-07.900A1-	7,9		64	116	76	36	8	⊗
		DC170-08-07.938A1-	7,938	5/16"	64	116	76	36	8	⊗
		DC170-08-08.000A1-	8		64	116	76	36	8	⊗

Ordering example for the WJ30EJ grade: DC170-08-03.000A1-WJ30EJ

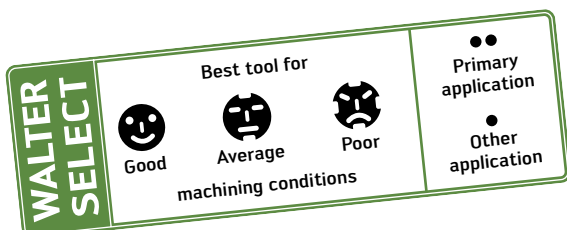
Continued

Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
	Shank DIN 6535 HA								
	DC170-08-08.100A1-	8,1		80	139	95	40	10	☺
	DC170-08-08.200A1-	8,2		80	139	95	40	10	☺
	DC170-08-08.300A1-	8,3		80	139	95	40	10	☺
	DC170-08-08.334A1-	8,334	21/64"	80	139	95	40	10	☺
	DC170-08-08.400A1-	8,4		80	139	95	40	10	☺
	DC170-08-08.500A1-	8,5		80	139	95	40	10	☺
	DC170-08-08.600A1-	8,6		80	139	95	40	10	☺
	DC170-08-08.700A1-	8,7		80	139	95	40	10	☺
	DC170-08-08.731A1-	8,731	11/32"	80	139	95	40	10	☺
	DC170-08-08.800A1-	8,8		80	139	95	40	10	☺
	DC170-08-09.000A1-	9		80	139	95	40	10	☺
	DC170-08-09.100A1-	9,1		80	139	95	40	10	☺
	DC170-08-09.128A1-	9,128	23/64"	80	139	95	40	10	☺
	DC170-08-09.200A1-	9,2		80	139	95	40	10	☺
	DC170-08-09.300A1-	9,3		80	139	95	40	10	☺
	DC170-08-09.400A1-	9,4		80	139	95	40	10	☺
	DC170-08-09.500A1-	9,5		80	139	95	40	10	☺
	DC170-08-09.525A1-	9,525	3/8"	80	139	95	40	10	☺
	DC170-08-09.600A1-	9,6		80	139	95	40	10	☺
	DC170-08-09.700A1-	9,7		80	139	95	40	10	☺
	DC170-08-09.800A1-	9,8		80	139	95	40	10	☺
	DC170-08-09.900A1-	9,9		80	139	95	40	10	☺
	DC170-08-09.922A1-	9,922	25/64"	80	139	95	40	10	☺
	DC170-08-10.000A1-	10		80	139	95	40	10	☺
	DC170-08-10.100A1-	10,1		96	163	114	45	12	☺
	DC170-08-10.200A1-	10,2		96	163	114	45	12	☺
	DC170-08-10.300A1-	10,3		96	163	114	45	12	☺
	DC170-08-10.319A1-	10,319	13/32"	96	163	114	45	12	☺
	DC170-08-10.500A1-	10,5		96	163	114	45	12	☺
DC170-08-10.716A1-	10,716	27/64"	96	163	114	45	12	☺	
DC170-08-10.800A1-	10,8		96	163	114	45	12	☺	
DC170-08-11.000A1-	11		96	163	114	45	12	☺	
DC170-08-11.100A1-	11,1		96	163	114	45	12	☺	
DC170-08-11.113A1-	11,113	7/16"	96	163	114	45	12	☺	
DC170-08-11.200A1-	11,2		96	163	114	45	12	☺	
DC170-08-11.300A1-	11,3		96	163	114	45	12	☺	
DC170-08-11.400A1-	11,4		96	163	114	45	12	☺	
DC170-08-11.500A1-	11,5		96	163	114	45	12	☺	

Ordering example for the WJ30EJ grade: DC170-08-03.000A1-WJ30EJ

Continued



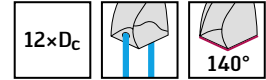
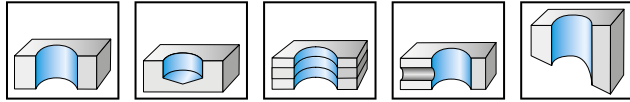
Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
	Shank DIN 6535 HA								
	DC170-08-11.700A1-	11,7		96	163	114	45	12	⊕
	DC170-08-11.800A1-	11,8		96	163	114	45	12	⊕
	DC170-08-11.900A1-	11,9		96	163	114	45	12	⊕
	DC170-08-12.000A1-	12		96	163	114	45	12	⊕
	DC170-08-12.303A1-	12,303	31/64"	119	182	133	45	14	⊕
	DC170-08-12.500A1-	12,5		119	182	133	45	14	⊕
	DC170-08-12.700A1-	12,7	1/2"	119	182	133	45	14	⊕
	DC170-08-13.000A1-	13		119	182	133	45	14	⊕
	DC170-08-13.494A1-	13,494	17/32"	119	182	133	45	14	⊕
	DC170-08-13.500A1-	13,5		119	182	133	45	14	⊕
	DC170-08-14.000A1-	14		119	182	133	45	14	⊕
	DC170-08-14.288A1-	14,288	9/16"	136	204	152	48	16	⊕
	DC170-08-14.500A1-	14,5		136	204	152	48	16	⊕
	DC170-08-15.000A1-	15		136	204	152	48	16	⊕
	DC170-08-15.500A1-	15,5		136	204	152	48	16	⊕
	DC170-08-15.875A1-	15,875	5/8"	136	204	152	48	16	⊕
	DC170-08-16.000A1-	16		136	204	152	48	16	⊕
	DC170-08-16.500A1-	16,5		153	223	171	48	18	⊕
	DC170-08-17.000A1-	17		153	223	171	48	18	⊕
DC170-08-17.500A1-	17,5		153	223	171	48	18	⊕	
DC170-08-18.000A1-	18		153	223	171	48	18	⊕	
DC170-08-20.000A1-	20		170	244	190	50	20	⊕	

Ordering example for the WJ30EJ grade: DC170-08-03.000A1-WJ30EJ

Solid carbide drills with internal coolant

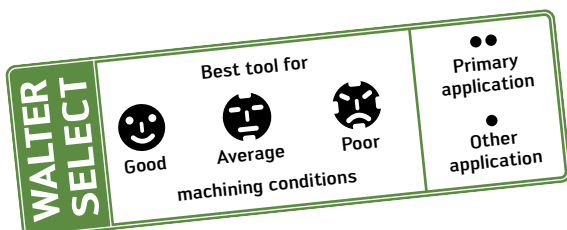
DC170 Supreme



Shank DIN 6535 HA	Designation	D _c	D _c	L _c	l ₁	l ₂	l ₅	d ₁	h ₆	WJ30EJ
		m7	Inch/No.	mm	mm	mm	mm	mm	mm	
	DC170-12-03.000A1-	3		48	92	54	36	6		●●
	DC170-12-03.100A1-	3,1		48	92	54	36	6		●●
	DC170-12-03.175A1-	3,175	1/8"	48	92	54	36	6		●●
	DC170-12-03.200A1-	3,2		48	92	54	36	6		●●
	DC170-12-03.300A1-	3,3		48	92	54	36	6		●●
	DC170-12-03.400A1-	3,4		48	92	54	36	6		●●
	DC170-12-03.500A1-	3,5		48	92	54	36	6		●●
	DC170-12-03.572A1-	3,572	9/64"	48	92	54	36	6		●●
	DC170-12-03.600A1-	3,6		48	92	54	36	6		●●
	DC170-12-03.700A1-	3,7		48	92	54	36	6		●●
	DC170-12-03.800A1-	3,8		56	102	64	36	6		●●
	DC170-12-03.900A1-	3,9		56	102	64	36	6		●●
	DC170-12-03.969A1-	3,969	5/32"	56	102	64	36	6		●●
	DC170-12-04.000A1-	4		56	102	64	36	6		●●
	DC170-12-04.100A1-	4,1		56	102	64	36	6		●●
	DC170-12-04.200A1-	4,2		56	102	64	36	6		●●
	DC170-12-04.300A1-	4,3		56	102	64	36	6		●●
	DC170-12-04.366A1-	4,366	11/64"	56	102	64	36	6		●●
	DC170-12-04.400A1-	4,4		56	102	64	36	6		●●
	DC170-12-04.500A1-	4,5		56	102	64	36	6		●●
	DC170-12-04.600A1-	4,6		56	102	64	36	6		●●
	DC170-12-04.700A1-	4,7		56	102	64	36	6		●●
	DC170-12-04.763A1-	4,763	3/16"	74	121	83	36	6		●●
	DC170-12-04.800A1-	4,8		74	121	83	36	6		●●
	DC170-12-04.900A1-	4,9		74	121	83	36	6		●●
	DC170-12-05.000A1-	5		74	121	83	36	6		●●
	DC170-12-05.100A1-	5,1		74	121	83	36	6		●●
	DC170-12-05.159A1-	5,159	13/64"	74	121	83	36	6		●●
	DC170-12-05.200A1-	5,2		74	121	83	36	6		●●
	DC170-12-05.300A1-	5,3		74	121	83	36	6		●●
	DC170-12-05.400A1-	5,4		74	121	83	36	6		●●
	DC170-12-05.500A1-	5,5		74	121	83	36	6		●●
	DC170-12-05.550A1-	5,55		74	121	83	36	6		●●
	DC170-12-05.556A1-	5,556	7/32"	74	121	83	36	6		●●
	DC170-12-05.600A1-	5,6		74	121	83	36	6		●●
	DC170-12-05.700A1-	5,7		74	121	83	36	6		●●
	DC170-12-05.800A1-	5,8		74	121	83	36	6		●●
	DC170-12-05.900A1-	5,9		74	121	83	36	6		●●
	DC170-12-06.000A1-	6		74	121	83	36	6		●●
	DC170-12-06.100A1-	6,1		98	148	110	36	8		●●
	DC170-12-06.200A1-	6,2		98	148	110	36	8		●●
	DC170-12-06.300A1-	6,3		98	148	110	36	8		●●
	DC170-12-06.350A1-	6,35	1/4"	98	148	110	36	8		●●

Ordering example for the WJ30EJ grade: DC170-12-03.000A1-WJ30EJ

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
<p>Shank DIN 6535 HA</p>	DC170-12-06.400A1-	6,4		98	148	110	36	8	☼
	DC170-12-06.500A1-	6,5		98	148	110	36	8	☼
	DC170-12-06.600A1-	6,6		98	148	110	36	8	☼
	DC170-12-06.747A1-	6,747	17/64"	98	148	110	36	8	☼
	DC170-12-06.800A1-	6,8		98	148	110	36	8	☼
	DC170-12-06.900A1-	6,9		98	148	110	36	8	☼
	DC170-12-07.000A1-	7		98	148	110	36	8	☼
	DC170-12-07.100A1-	7,1		98	148	110	36	8	☼
	DC170-12-07.144A1-	7,144	9/32"	98	148	110	36	8	☼
	DC170-12-07.300A1-	7,3		98	148	110	36	8	☼
	DC170-12-07.400A1-	7,4		98	148	110	36	8	☼
	DC170-12-07.500A1-	7,5		98	148	110	36	8	☼
	DC170-12-07.541A1-	7,541	19/64"	98	148	110	36	8	☼
	DC170-12-07.800A1-	7,8		98	148	110	36	8	☼
	DC170-12-07.900A1-	7,9		98	148	110	36	8	☼
	DC170-12-07.938A1-	7,938	5/16"	98	148	110	36	8	☼
	DC170-12-08.000A1-	8		98	148	110	36	8	☼
	DC170-12-08.100A1-	8,1		123	180	138	40	10	☼
	DC170-12-08.200A1-	8,2		123	180	138	40	10	☼
	DC170-12-08.300A1-	8,3		123	180	138	40	10	☼
	DC170-12-08.400A1-	8,4		123	180	138	40	10	☼
	DC170-12-08.500A1-	8,5		123	180	138	40	10	☼
	DC170-12-08.600A1-	8,6		123	180	138	40	10	☼
	DC170-12-08.700A1-	8,7		123	180	138	40	10	☼
	DC170-12-08.731A1-	8,731	11/32"	123	180	138	40	10	☼
	DC170-12-08.800A1-	8,8		123	180	138	40	10	☼
	DC170-12-09.000A1-	9		123	180	138	40	10	☼
	DC170-12-09.128A1-	9,128	23/64"	123	180	138	40	10	☼
	DC170-12-09.300A1-	9,3		123	180	138	40	10	☼
	DC170-12-09.500A1-	9,5		123	180	138	40	10	☼
	DC170-12-09.525A1-	9,525	3/8"	123	180	138	40	10	☼
	DC170-12-09.600A1-	9,6		123	180	138	40	10	☼
	DC170-12-09.700A1-	9,7		123	180	138	40	10	☼
	DC170-12-09.800A1-	9,8		123	180	138	40	10	☼
	DC170-12-09.922A1-	9,922	25/64"	123	180	138	40	10	☼
	DC170-12-10.000A1-	10		123	180	138	40	10	☼
	DC170-12-10.100A1-	10,1		140	206	158	45	12	☼
	DC170-12-10.200A1-	10,2		140	206	158	45	12	☼
	DC170-12-10.300A1-	10,3		140	206	158	45	12	☼
	DC170-12-10.319A1-	10,319	13/32"	140	206	158	45	12	☼
	DC170-12-10.400A1-	10,4		140	206	158	45	12	☼
	DC170-12-10.500A1-	10,5		140	206	158	45	12	☼
	DC170-12-11.000A1-	11		140	206	158	45	12	☼
	DC170-12-11.100A1-	11,1		140	206	158	45	12	☼
	DC170-12-11.113A1-	11,113	7/16"	140	206	158	45	12	☼
	DC170-12-11.200A1-	11,2		140	206	158	45	12	☼
	DC170-12-11.500A1-	11,5		140	206	158	45	12	☼
DC170-12-11.509A1-	11,509	29/64"	140	206	158	45	12	☼	
DC170-12-11.700A1-	11,7		140	206	158	45	12	☼	
DC170-12-11.800A1-	11,8		140	206	158	45	12	☼	
DC170-12-11.906A1-	11,906	15/32"	140	206	158	45	12	☼	
DC170-12-12.000A1-	12		140	206	158	45	12	☼	
DC170-12-12.200A1-	12,2		168	230	182	45	14	☼	
DC170-12-12.303A1-	12,303	31/64"	168	230	182	45	14	☼	
DC170-12-12.500A1-	12,5		168	230	182	45	14	☼	
DC170-12-12.600A1-	12,6		168	230	182	45	14	☼	
DC170-12-12.700A1-	12,7	1/2"	168	230	182	45	14	☼	
DC170-12-13.000A1-	13		168	230	182	45	14	☼	
DC170-12-13.494A1-	13,494	17/32"	168	230	182	45	14	☼	
DC170-12-13.500A1-	13,5		168	230	182	45	14	☼	
DC170-12-14.000A1-	14		168	230	182	45	14	☼	

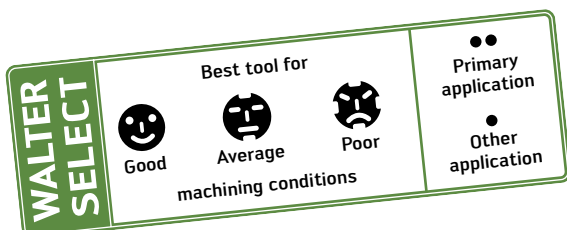
Ordering example for the WJ30EJ grade: DC170-12-03.000A1-WJ30EJ

Continued

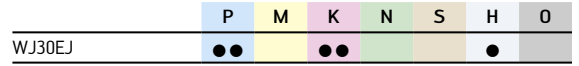
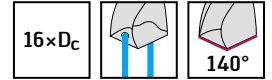
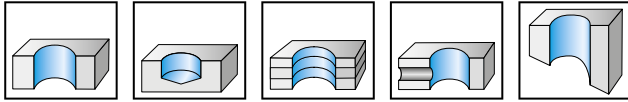
Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
	Shank DIN 6535 HA								
	DC170-12-14.288A1-	14,288	9/16"	192	260	208	48	16	☺
	DC170-12-14.500A1-	14,5		192	260	208	48	16	☺
	DC170-12-15.000A1-	15		192	260	208	48	16	☺
	DC170-12-15.500A1-	15,5		192	260	208	48	16	☺
	DC170-12-15.875A1-	15,875	5/8"	192	260	208	48	16	☺
	DC170-12-16.000A1-	16		192	260	208	48	16	☺
	DC170-12-16.500A1-	16,5		216	285	234	48	18	☺
	DC170-12-17.000A1-	17		216	285	234	48	18	☺
	DC170-12-17.500A1-	17,5		216	285	234	48	18	☺
	DC170-12-18.000A1-	18		216	285	234	48	18	☺
	DC170-12-19.000A1-	19		238	310	258	50	20	☺
	DC170-12-19.500A1-	19,5		238	310	258	50	20	☺
	DC170-12-20.000A1-	20		238	310	258	50	20	☺

Ordering example for the WJ30EJ grade: DC170-12-03.000A1-WJ30EJ

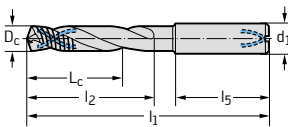


Solid carbide drills with internal coolant DC170 Supreme



Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
DC170-16-03.000A1-	3		52	89	57	28	4	☺
DC170-16-03.175A1-	3,175	1/8"	60	98	66	28	4	☺
DC170-16-03.500A1-	3,5		72	110	78	28	4	☺
DC170-16-03.572A1-	3,572	9/64"	72	110	78	28	4	☺
DC170-16-03.969A1-	3,969	5/32"	72	110	78	28	4	☺
DC170-16-04.000A1-	4		72	110	78	28	4	☺
DC170-16-04.500A1-	4,5		93	132	100	28	5	☺
DC170-16-04.763A1-	4,763	3/16"	92	132	100	28	5	☺
DC170-16-04.800A1-	4,8		92	132	100	28	5	☺
DC170-16-05.000A1-	5		92	132	100	28	5	☺
DC170-16-05.500A1-	5,5		101	150	110	36	6	☺
DC170-16-05.556A1-	5,556	7/32"	111	160	120	36	6	☺
DC170-16-05.800A1-	5,8		111	160	120	36	6	☺
DC170-16-06.000A1-	6		111	160	120	36	6	☺
DC170-16-06.100A1-	6,1		124	175	135	36	8	☺
DC170-16-06.350A1-	6,35	1/4"	124	175	135	36	8	☺
DC170-16-06.500A1-	6,5		124	175	135	36	8	☺
DC170-16-06.800A1-	6,8		124	175	135	36	8	☺
DC170-16-07.000A1-	7		124	175	135	36	8	☺
DC170-16-07.144A1-	7,144	9/32"	140	192	152	36	8	☺
DC170-16-07.400A1-	7,4		140	192	152	36	8	☺
DC170-16-07.500A1-	7,5		140	192	152	36	8	☺
DC170-16-07.938A1-	7,938	5/16"	140	192	152	36	8	☺
DC170-16-08.000A1-	8		140	192	152	36	8	☺
DC170-16-08.500A1-	8,5		148	206	162	40	10	☺
DC170-16-08.731A1-	8,731	11/32"	148	206	162	40	10	☺
DC170-16-09.000A1-	9		148	206	162	40	10	☺
DC170-16-09.525A1-	9,525	3/8"	165	224	180	40	10	☺
DC170-16-09.800A1-	9,8		165	224	180	40	10	☺
DC170-16-10.000A1-	10		165	224	180	40	10	☺
DC170-16-10.200A1-	10,2		181	247	198	45	12	☺
DC170-16-10.319A1-	10,319	13/32"	181	247	198	45	12	☺
DC170-16-11.000A1-	11		181	247	198	45	12	☺
DC170-16-11.113A1-	11,113	7/16"	198	265	216	45	12	☺
DC170-16-11.500A1-	11,5		198	265	216	45	12	☺
DC170-16-11.800A1-	11,8		198	265	216	45	12	☺
DC170-16-11.906A1-	11,906	15/32"	198	265	216	45	12	☺
DC170-16-12.000A1-	12		198	265	216	45	12	☺
DC170-16-12.700A1-	12,7	1/2"	238	301	252	45	14	☺
DC170-16-13.000A1-	13		238	301	252	45	14	☺
DC170-16-14.000A1-	14		238	301	252	45	14	☺
DC170-16-14.288A1-	14,288	9/16"	272	340	288	48	16	☺
DC170-16-15.000A1-	15		272	340	288	48	16	☺
DC170-16-16.000A1-	16		272	340	288	48	16	☺

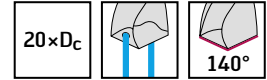
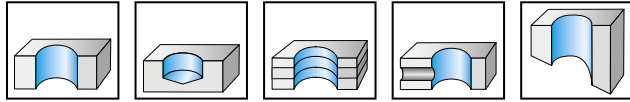
Shank DIN 6535 HA



Ordering example for the WJ30EJ grade: DC170-16-03.000A1-WJ30EJ

Solid carbide drills with internal coolant

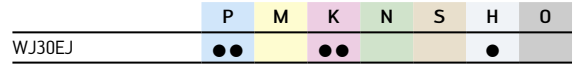
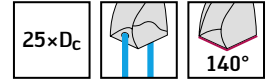
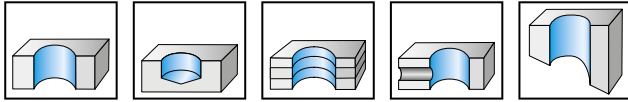
DC170 Supreme



Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
DC170-20-03.000A1-	3		60	97	65	28	4	☺
DC170-20-03.175A1-	3,175	1/8"	74	112	80	28	4	☺
DC170-20-03.500A1-	3,5		86	124	92	28	4	☺
DC170-20-03.572A1-	3,572	9/64"	86	124	92	28	4	☺
DC170-20-03.969A1-	3,969	5/32"	86	124	92	28	4	☺
DC170-20-04.000A1-	4		86	124	92	28	4	☺
DC170-20-04.500A1-	4,5		111	150	118	28	5	☺
DC170-20-04.763A1-	4,763	3/16"	110	150	118	28	5	☺
DC170-20-04.800A1-	4,8		110	150	118	28	5	☺
DC170-20-05.000A1-	5		110	150	118	28	5	☺
DC170-20-05.500A1-	5,5		123	170	132	36	6	☺
DC170-20-05.556A1-	5,556	7/32"	135	182	144	36	6	☺
DC170-20-05.800A1-	5,8		135	182	144	36	6	☺
DC170-20-06.000A1-	6		135	182	144	36	6	☺
DC170-20-06.100A1-	6,1		151	200	162	36	8	☺
DC170-20-06.350A1-	6,35	1/4"	151	200	162	36	8	☺
DC170-20-06.500A1-	6,5		151	200	162	36	8	☺
DC170-20-06.800A1-	6,8		151	200	162	36	8	☺
DC170-20-07.000A1-	7		151	200	162	36	8	☺
DC170-20-07.144A1-	7,144	9/32"	172	222	184	36	8	☺
DC170-20-07.400A1-	7,4		172	222	184	36	8	☺
DC170-20-07.500A1-	7,5		172	222	184	36	8	☺
DC170-20-07.938A1-	7,938	5/16"	172	222	184	36	8	☺
DC170-20-08.000A1-	8		172	222	184	36	8	☺
DC170-20-08.300A1-	8,3		184	240	198	40	10	☺
DC170-20-08.500A1-	8,5		184	240	198	40	10	☺
DC170-20-08.731A1-	8,731	11/32"	184	240	198	40	10	☺
DC170-20-09.000A1-	9		184	240	198	40	10	☺
DC170-20-09.525A1-	9,525	3/8"	205	262	220	40	10	☺
DC170-20-09.800A1-	9,8		205	262	220	40	10	☺
DC170-20-10.000A1-	10		205	262	220	40	10	☺
DC170-20-10.200A1-	10,2		225	289	242	45	12	☺
DC170-20-10.319A1-	10,319	13/32"	225	289	242	45	12	☺
DC170-20-11.000A1-	11		225	289	242	45	12	☺
DC170-20-11.113A1-	11,113	7/16"	246	311	264	45	12	☺
DC170-20-11.500A1-	11,5		246	311	264	45	12	☺
DC170-20-11.800A1-	11,8		246	311	264	45	12	☺
DC170-20-12.000A1-	12		246	311	264	45	12	☺
DC170-20-12.700A1-	12,7	1/2"	294	357	308	45	14	☺
DC170-20-13.000A1-	13		294	357	308	45	14	☺
DC170-20-14.000A1-	14		294	357	308	45	14	☺
DC170-20-14.288A1-	14,288	9/16"	336	404	352	48	16	☺
DC170-20-15.000A1-	15		336	404	352	48	16	☺
DC170-20-16.000A1-	16		336	404	352	48	16	☺

Ordering example for the WJ30EJ grade: DC170-20-03.000A1-WJ30EJ

Solid carbide drills with internal coolant DC170 Supreme

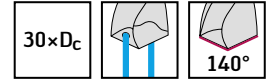
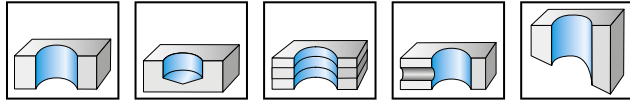


	Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
<p>Shank DIN 6535 HA</p>	DC170-25-03.000A1-	3		79	119	84	28	4	
	DC170-25-03.175A1-	3,175	1/8"	96	148	102	28	4	
	DC170-25-03.500A1-	3,5		108	148	114	28	4	
	DC170-25-03.572A1-	3,572	9/64"	108	148	114	28	4	
	DC170-25-03.969A1-	3,969	5/32"	108	148	114	28	4	
	DC170-25-04.000A1-	4		108	148	114	28	4	
	DC170-25-04.500A1-	4,5		138	177	145	28	5	
	DC170-25-04.763A1-	4,763	3/16"	137	177	145	28	5	
	DC170-25-04.800A1-	4,8		137	177	145	28	5	
	DC170-25-05.000A1-	5		137	177	145	28	5	
	DC170-25-05.500A1-	5,5		151	200	160	36	6	
	DC170-25-05.556A1-	5,556	7/32"	165	214	174	36	6	
	DC170-25-06.000A1-	6		165	214	174	36	6	
	DC170-25-06.350A1-	6,35	1/4"	183	234	194	36	8	
	DC170-25-06.500A1-	6,5		183	234	194	36	8	
	DC170-25-06.800A1-	6,8		183	234	194	36	8	
	DC170-25-07.000A1-	7		183	234	194	36	8	
	DC170-25-07.144A1-	7,144	9/32"	208	260	220	36	8	
	DC170-25-07.938A1-	7,938	5/16"	208	260	220	36	8	
	DC170-25-08.000A1-	8		208	260	220	36	8	
DC170-25-08.500A1-	8,5		229	289	243	40	10		
DC170-25-08.731A1-	8,731	11/32"	229	289	243	40	10		
DC170-25-09.000A1-	9		229	289	243	40	10		
DC170-25-09.525A1-	9,525	3/8"	255	314	270	40	10		
DC170-25-10.000A1-	10		255	314	270	40	10		
DC170-25-10.200A1-	10,2		280	346	297	45	12		
DC170-25-11.000A1-	11		280	346	297	45	12		
DC170-25-11.113A1-	11,113	7/16"	306	373	324	45	12		
DC170-25-12.000A1-	12		306	373	324	45	12		

Ordering example for the WJ30EJ grade: DC170-25-03.000A1-WJ30EJ

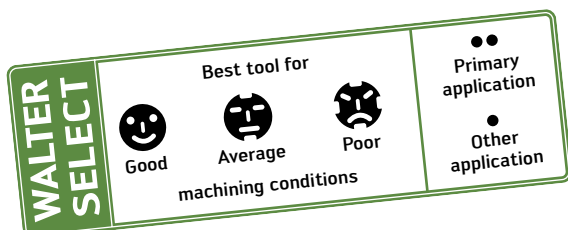
Solid carbide drills with internal coolant

DC170 Supreme

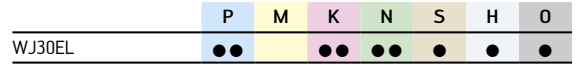
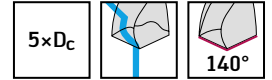
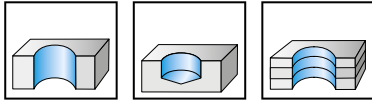


Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
DC170-30-03.000A1-	3		92	132	97	28	4	☺
DC170-30-03.175A1-	3,175	1/8"	114	166	120	28	4	☺
DC170-30-03.500A1-	3,5		127	166	133	28	4	☺
DC170-30-04.000A1-	4		127	166	133	28	4	☺
DC170-30-04.500A1-	4,5		162	200	169	28	5	☺
DC170-30-04.763A1-	4,763	3/16"	161	200	169	28	5	☺
DC170-30-04.800A1-	4,8		161	200	169	28	5	☺
DC170-30-05.000A1-	5		161	200	169	28	5	☺
DC170-30-05.500A1-	5,5		178	225	187	36	6	☺
DC170-30-06.000A1-	6		195	242	204	36	6	☺
DC170-30-06.350A1-	6,35	1/4"	217	268	228	36	8	☺
DC170-30-06.500A1-	6,5		217	268	228	36	8	☺
DC170-30-06.800A1-	6,8		217	268	228	36	8	☺
DC170-30-07.000A1-	7		217	268	228	36	8	☺
DC170-30-07.400A1-	7,4		244	294	256	36	8	☺
DC170-30-07.938A1-	7,938	5/16"	244	294	256	36	8	☺
DC170-30-08.000A1-	8		244	294	256	36	8	☺
DC170-30-08.500A1-	8,5		273	330	287	40	10	☺
DC170-30-08.731A1-	8,731	11/32"	273	330	287	40	10	☺
DC170-30-09.000A1-	9		273	330	287	40	10	☺
DC170-30-09.525A1-	9,525	3/8"	305	364	320	40	10	☺
DC170-30-10.000A1-	10		305	364	320	40	10	☺
DC170-30-10.200A1-	10,2		335	401	352	45	12	☺
DC170-30-11.000A1-	11		335	401	352	45	12	☺
DC170-30-11.113A1-	11,113	7/16"	364	430	382	45	12	☺
DC170-30-12.000A1-	12		364	430	382	45	12	☺

Ordering example for the WJ30EJ grade: DC170-30-03.000A1-WJ30EJ



Solid carbide micro twist drills DB133 Supreme



	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
Shank DIN 6535 HA									
	DB133-05-00.500A0-	0,5		3,2	47	4	36	3	●●●●●
	DB133-05-00.550A0-	0,55		4,1	47	5	35	3	●●●●●
	DB133-05-00.600A0-	0,6		4,1	47	5	35	3	●●●●●
	DB133-05-00.650A0-	0,65		5	47	6	34	3	●●●●●
	DB133-05-00.700A0-	0,7		4,9	48	6	35	3	●●●●●
	DB133-05-00.750A0-	0,75		5,8	48	7	34	3	●●●●●
	DB133-05-00.794A0-	0,794	1/32"	5,8	48	7	34	3	●●●●●
	DB133-05-00.800A0-	0,8		5,8	48	7	34	3	●●●●●
	DB133-05-00.850A0-	0,85		6,6	50	8	35	3	●●●●●
	DB133-05-00.880A0-	0,88		6,6	50	8	35	3	●●●●●
	DB133-05-00.900A0-	0,9		6,6	50	8	35	3	●●●●●
	DB133-05-00.950A0-	0,95		7,5	50	9	34	3	●●●●●
	DB133-05-01.000A0-	1		7,5	50	9	34	3	●●●●●
	DB133-05-01.050A0-	1,05		7	51	9	36	3	●●●●●
	DB133-05-01.080A0-	1,08		7	51	9	36	3	●●●●●
	DB133-05-01.100A0-	1,1		7	51	9	36	3	●●●●●
	DB133-05-01.150A0-	1,15		8	51	10	35	3	●●●●●
	DB133-05-01.191A0-	1,191	3/64"	8	51	10	35	3	●●●●●
	DB133-05-01.200A0-	1,2		8	51	10	35	3	●●●●●
	DB133-05-01.250A0-	1,25		9	51	11	34	3	●●●●●
	DB133-05-01.300A0-	1,3		9	53	11	36	3	●●●●●
	DB133-05-01.350A0-	1,35		9	53	12	35	3	●●●●●
	DB133-05-01.400A0-	1,4		9	53	12	35	3	●●●●●
	DB133-05-01.450A0-	1,45		10	53	13	34	3	●●●●●
	DB133-05-01.500A0-	1,5		10	53	13	34	3	●●●●●
	DB133-05-01.550A0-	1,55		11	54	14	35	3	●●●●●
	DB133-05-01.588A0-	1,588	1/16"	11	54	14	35	3	●●●●●
	DB133-05-01.600A0-	1,6		11	54	14	35	3	●●●●●
	DB133-05-01.650A0-	1,65		11	54	14	35	3	●●●●●
	DB133-05-01.700A0-	1,7		11	54	14	35	3	●●●●●
	DB133-05-01.750A0-	1,75		12	54	15	34	3	●●●●●
	DB133-05-01.800A0-	1,8		12	54	15	34	3	●●●●●
DB133-05-01.820A0-	1,82		13	57	16	36	3	●●●●●	
DB133-05-01.850A0-	1,85		13	57	16	36	3	●●●●●	
DB133-05-01.900A0-	1,9		13	57	16	36	3	●●●●●	
DB133-05-01.950A0-	1,95		14	57	17	35	3	●●●●●	
DB133-05-01.984A0-	1,984	5/64"	14	57	17	35	3	●●●●●	
DB133-05-02.000A0-	2		14	57	17	35	3	●●●●●	
DB133-05-02.050A0-	2,05		14	57	18	35	3	●●●●●	
DB133-05-02.100A0-	2,1		14	57	18	35	3	●●●●●	
DB133-05-02.150A0-	2,15		15	57	19	34	3	●●●●●	
DB133-05-02.200A0-	2,2		15	57	19	34	3	●●●●●	
DB133-05-02.250A0-	2,25		16	59	20	35	3	●●●●●	
DB133-05-02.300A0-	2,3		16	59	20	35	3	●●●●●	
DB133-05-02.350A0-	2,35		16	59	20	35	3	●●●●●	
DB133-05-02.381A0-	2,381	3/32"	16	59	20	35	3	●●●●●	
DB133-05-02.400A0-	2,4		16	59	20	35	3	●●●●●	

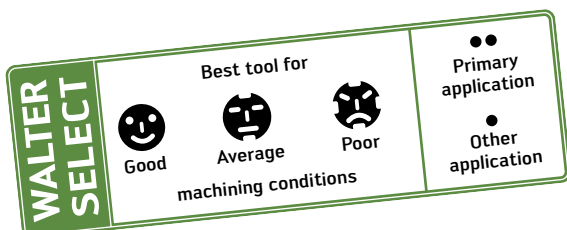
Ordering example for the WJ30EL grade: DB133-05-00.500A0-WJ30EL

Continued

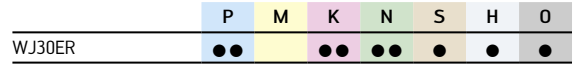
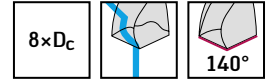
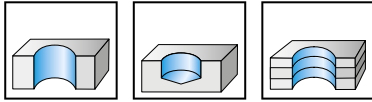
Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
	Shank DIN 6535 HA								
	DB133-05-02.450A0-	2,45		17	59	21	34	3	
	DB133-05-02.500A0-	2,5		17	59	21	34	3	
	DB133-05-02.550A0-	2,55		18	62	22	36	3	
	DB133-05-02.600A0-	2,6		18	62	22	36	3	
	DB133-05-02.650A0-	2,65		18	62	23	36	3	
	DB133-05-02.700A0-	2,7		18	62	23	36	3	
	DB133-05-02.750A0-	2,75		19	62	24	35	3	
	DB133-05-02.778A0-	2,778	7/64"	19	62	24	35	3	
	DB133-05-02.800A0-	2,8		19	62	24	35	3	
	DB133-05-02.850A0-	2,85		20	62	25	34	3	
	DB133-05-02.900A0-	2,9		20	62	25	34	3	
	DB133-05-02.950A0-	2,95		20	62	25	34	3	

Ordering example for the WJ30EL grade: DB133-05-00.500A0-WJ30EL



Solid carbide micro twist drills DB133 Supreme



Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ER
DB133-08-00.500A0-	0,5		5,2	48	6	35	3	●
DB133-08-00.600A0-	0,6		6,1	48	7	34	3	●
DB133-08-00.700A0-	0,7		6,9	50	8	35	3	●
DB133-08-00.750A0-	0,75		7,8	50	9	34	3	●
DB133-08-00.794A0-	0,794	1/32"	7,8	50	9	34	3	●
DB133-08-00.800A0-	0,8		7,8	50	9	34	3	●
DB133-08-00.880A0-	0,88		8,6	53	10	36	3	●
DB133-08-00.900A0-	0,9		8,6	53	10	36	3	●
DB133-08-00.950A0-	0,95		10,5	53	12	34	3	●
DB133-08-01.000A0-	1		10,5	53	12	34	3	●
DB133-08-01.050A0-	1,05		11	54	13	35	3	●
DB133-08-01.100A0-	1,1		11	54	13	35	3	●
DB133-08-01.191A0-	1,191	3/64"	12	54	14	34	3	●
DB133-08-01.200A0-	1,2		12	54	14	34	3	●
DB133-08-01.250A0-	1,25		12	54	14	34	3	●
DB133-08-01.300A0-	1,3		13	57	15	36	3	●
DB133-08-01.350A0-	1,35		13	57	16	35	3	●
DB133-08-01.400A0-	1,4		13	57	16	35	3	●
DB133-08-01.450A0-	1,45		14	57	17	34	3	●
DB133-08-01.500A0-	1,5		14	57	17	34	3	●
DB133-08-01.550A0-	1,55		15	60	18	37	3	●
DB133-08-01.588A0-	1,588	1/16"	15	60	18	37	3	●
DB133-08-01.600A0-	1,6		15	60	18	37	3	●
DB133-08-01.650A0-	1,65		17	60	20	35	3	●
DB133-08-01.700A0-	1,7		17	60	20	35	3	●
DB133-08-01.750A0-	1,75		18	60	21	34	3	●
DB133-08-01.800A0-	1,8		18	60	21	34	3	●
DB133-08-01.820A0-	1,82		19	63	22	36	3	●
DB133-08-01.850A0-	1,85		19	63	22	36	3	●
DB133-08-01.900A0-	1,9		19	63	22	36	3	●
DB133-08-01.950A0-	1,95		20	63	23	35	3	●
DB133-08-01.984A0-	1,984	5/64"	20	63	23	35	3	●
DB133-08-02.000A0-	2		20	63	23	35	3	●
DB133-08-02.050A0-	2,05		20	63	24	35	3	●
DB133-08-02.100A0-	2,1		20	63	24	35	3	●
DB133-08-02.150A0-	2,15		21	63	25	34	3	●
DB133-08-02.200A0-	2,2		21	63	25	34	3	●
DB133-08-02.250A0-	2,25		22	67	26	37	3	●
DB133-08-02.300A0-	2,3		22	67	26	37	3	●
DB133-08-02.350A0-	2,35		24	67	28	35	3	●
DB133-08-02.381A0-	2,381	3/32"	24	67	28	35	3	●
DB133-08-02.400A0-	2,4		24	67	28	35	3	●
DB133-08-02.450A0-	2,45		25	67	29	34	3	●
DB133-08-02.500A0-	2,5		25	67	29	34	3	●
DB133-08-02.550A0-	2,55		26	71	30	37	3	●
DB133-08-02.600A0-	2,6		26	71	30	37	3	●
DB133-08-02.650A0-	2,65		26	71	31	37	3	●

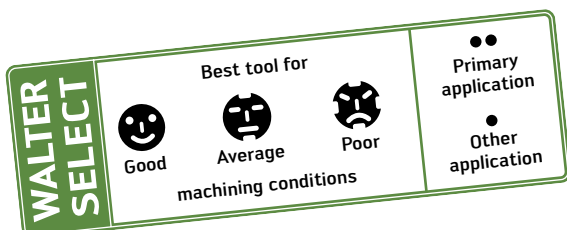
Ordering example for the WJ30ER grade: DB133-08-00.500A0-WJ30ER

Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ER
	Shank DIN 6535 HA	2,7		26	71	31	37	3	
	DB133-08-02.700A0-	2,75		27	71	32	36	3	
	DB133-08-02.778A0-	2,778	7/64"	27	71	32	36	3	
	DB133-08-02.800A0-	2,8		27	71	32	36	3	
	DB133-08-02.850A0-	2,85		28	71	33	35	3	
	DB133-08-02.900A0-	2,9		28	71	33	35	3	
	DB133-08-02.950A0-	2,95		29	71	34	34	3	

Ordering example for the WJ30ER grade: DB133-08-00.500A0-WJ30ER

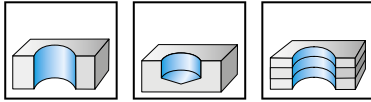


Solid carbide twist drills

DC150 Perform



– Up to 1.9 mm dimensions in accordance with DIN 1897



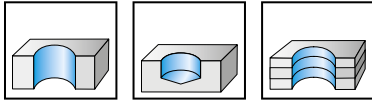
	P	M	K	N	S	H	O
WJ30RE	●	●	●	●	●	●	●

	Designation	D _c h7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	d ₁ h6 mm	WJ30RE
<p>Shank DIN 6535 HA</p>	DC150-03-01.500U0-	1,5		6	32	9	1,5	●
	DC150-03-01.588U0-	1,588	1/16"	7	34	10	1,588	●
	DC150-03-01.600U0-	1,6		7	34	10	1,6	●
	DC150-03-01.700U0-	1,7		7	34	10	1,7	●
	DC150-03-01.800U0-	1,8		8	36	11	1,8	●
	DC150-03-01.820U0-	1,82		8	36	11	1,82	●
	DC150-03-01.900U0-	1,9		8	36	11	1,9	●
	DC150-03-01.984U0-	1,984	5/64"	8	38	12	1,984	●
	DC150-03-02.000U0-	2		8	38	12	2	●
	DC150-03-02.050U0-	2,05		8	38	12	2,05	●
	DC150-03-02.100U0-	2,1		8	38	12	2,1	●
	DC150-03-02.200U0-	2,2		9	40	13	2,2	●
	DC150-03-02.300U0-	2,3		9	40	13	2,3	●
	DC150-03-02.381U0-	2,381	3/32"	10	43	14	2,381	●
	DC150-03-02.400U0-	2,4		10	43	14	2,4	●
	DC150-03-02.500U0-	2,5		10	43	14	2,5	●
	DC150-03-02.600U0-	2,6		10	43	14	2,6	●
	DC150-03-02.700U0-	2,7		11	46	16	2,7	●
	DC150-03-02.778U0-	2,778	7/64"	11	46	16	2,778	●
	DC150-03-02.800U0-	2,8		11	46	16	2,8	●
DC150-03-02.900U0-	2,9		11	46	16	2,9	●	

Ordering example for the WJ30RE grade: DC150-03-01.500U0-WJ30RE

Solid carbide twist drills

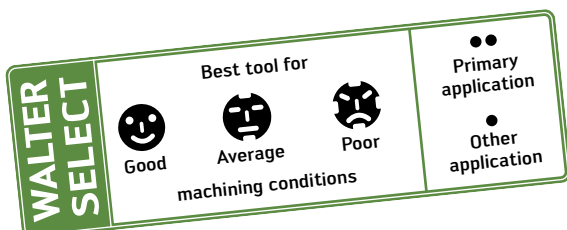
DC150 Perform



Designation	D _c	D _c	L _c	l ₁	l ₂	l ₅	d ₁	WJ30RE
	m7	Inch/No.	mm	mm	mm	mm	h6	
DC150-03-03.000A0-	3		14	62	20	36	6	●●
DC150-03-03.100A0-	3,1		14	62	20	36	6	●●
DC150-03-03.175A0-	3,175	1/8"	14	62	20	36	6	●●
DC150-03-03.200A0-	3,2		14	62	20	36	6	●●
DC150-03-03.250A0-	3,25		14	62	20	36	6	●●
DC150-03-03.300A0-	3,3		14	62	20	36	6	●●
DC150-03-03.400A0-	3,4		14	62	20	36	6	●●
DC150-03-03.500A0-	3,5		14	62	20	36	6	●●
DC150-03-03.572A0-	3,572	9/64"	14	62	20	36	6	●●
DC150-03-03.600A0-	3,6		14	62	20	36	6	●●
DC150-03-03.700A0-	3,7		14	62	20	36	6	●●
DC150-03-03.800A0-	3,8		17	66	24	36	6	●●
DC150-03-03.900A0-	3,9		17	66	24	36	6	●●
DC150-03-03.969A0-	3,969	5/32"	17	66	24	36	6	●●
DC150-03-04.000A0-	4		17	66	24	36	6	●●
DC150-03-04.100A0-	4,1		17	66	24	36	6	●●
DC150-03-04.200A0-	4,2		17	66	24	36	6	●●
DC150-03-04.300A0-	4,3		17	66	24	36	6	●●
DC150-03-04.366A0-	4,366	11/64"	17	66	24	36	6	●●
DC150-03-04.400A0-	4,4		17	66	24	36	6	●●
DC150-03-04.500A0-	4,5		17	66	24	36	6	●●
DC150-03-04.600A0-	4,6		17	66	24	36	6	●●
DC150-03-04.650A0-	4,65		17	66	24	36	6	●●
DC150-03-04.700A0-	4,7		17	66	24	36	6	●●
DC150-03-04.763A0-	4,763	3/16"	20	66	28	36	6	●●
DC150-03-04.800A0-	4,8		20	66	28	36	6	●●
DC150-03-04.900A0-	4,9		20	66	28	36	6	●●
DC150-03-05.000A0-	5		20	66	28	36	6	●●
DC150-03-05.100A0-	5,1		20	66	28	36	6	●●
DC150-03-05.159A0-	5,159	13/64"	20	66	28	36	6	●●
DC150-03-05.200A0-	5,2		20	66	28	36	6	●●
DC150-03-05.300A0-	5,3		20	66	28	36	6	●●
DC150-03-05.400A0-	5,4		20	66	28	36	6	●●
DC150-03-05.500A0-	5,5		20	66	28	36	6	●●
DC150-03-05.550A0-	5,55		20	66	28	36	6	●●
DC150-03-05.556A0-	5,556	7/32"	20	66	28	36	6	●●
DC150-03-05.600A0-	5,6		20	66	28	36	6	●●
DC150-03-05.700A0-	5,7		20	66	28	36	6	●●
DC150-03-05.800A0-	5,8		20	66	28	36	6	●●
DC150-03-05.900A0-	5,9		20	66	28	36	6	●●
DC150-03-05.953A0-	5,953	15/64"	20	66	28	36	6	●●
DC150-03-06.000A0-	6		20	66	28	36	6	●●
DC150-03-06.100A0-	6,1		24	79	34	36	8	●●

Ordering example for the WJ30RE grade: DC150-03-03.000A0-WJ30RE

Continued



Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
Shank DIN 6535 HA 	DC150-03-06.200A0-	6,2		24	79	34	36	8	WJ30RE
	DC150-03-06.300A0-	6,3		24	79	34	36	8	WJ30RE
	DC150-03-06.350A0-	6,35	1/4"	24	79	34	36	8	WJ30RE
	DC150-03-06.400A0-	6,4		24	79	34	36	8	WJ30RE
	DC150-03-06.500A0-	6,5		24	79	34	36	8	WJ30RE
	DC150-03-06.600A0-	6,6		24	79	34	36	8	WJ30RE
	DC150-03-06.700A0-	6,7		24	79	34	36	8	WJ30RE
	DC150-03-06.747A0-	6,747	17/64"	24	79	34	36	8	WJ30RE
	DC150-03-06.800A0-	6,8		24	79	34	36	8	WJ30RE
	DC150-03-06.900A0-	6,9		24	79	34	36	8	WJ30RE
	DC150-03-07.000A0-	7		24	79	34	36	8	WJ30RE
	DC150-03-07.100A0-	7,1		29	79	41	36	8	WJ30RE
	DC150-03-07.144A0-	7,144	9/32"	29	79	41	36	8	WJ30RE
	DC150-03-07.200A0-	7,2		29	79	41	36	8	WJ30RE
	DC150-03-07.300A0-	7,3		29	79	41	36	8	WJ30RE
	DC150-03-07.400A0-	7,4		29	79	41	36	8	WJ30RE
	DC150-03-07.500A0-	7,5		29	79	41	36	8	WJ30RE
	DC150-03-07.541A0-	7,541	19/64"	29	79	41	36	8	WJ30RE
	DC150-03-07.600A0-	7,6		29	79	41	36	8	WJ30RE
	DC150-03-07.700A0-	7,7		29	79	41	36	8	WJ30RE
	DC150-03-07.800A0-	7,8		29	79	41	36	8	WJ30RE
	DC150-03-07.900A0-	7,9		29	79	41	36	8	WJ30RE
	DC150-03-07.938A0-	7,938	5/16"	29	79	41	36	8	WJ30RE
	DC150-03-08.000A0-	8		29	79	41	36	8	WJ30RE
	DC150-03-08.100A0-	8,1		35	89	47	40	10	WJ30RE
	DC150-03-08.200A0-	8,2		35	89	47	40	10	WJ30RE
	DC150-03-08.300A0-	8,3		35	89	47	40	10	WJ30RE
	DC150-03-08.334A0-	8,334	21/64"	35	89	47	40	10	WJ30RE
	DC150-03-08.400A0-	8,4		35	89	47	40	10	WJ30RE
	DC150-03-08.500A0-	8,5		35	89	47	40	10	WJ30RE
	DC150-03-08.600A0-	8,6		35	89	47	40	10	WJ30RE
	DC150-03-08.700A0-	8,7		35	89	47	40	10	WJ30RE
	DC150-03-08.731A0-	8,731	11/32"	35	89	47	40	10	WJ30RE
	DC150-03-08.800A0-	8,8		35	89	47	40	10	WJ30RE
	DC150-03-08.900A0-	8,9		35	89	47	40	10	WJ30RE
	DC150-03-09.000A0-	9		35	89	47	40	10	WJ30RE
	DC150-03-09.100A0-	9,1		35	89	47	40	10	WJ30RE
DC150-03-09.200A0-	9,2		35	89	47	40	10	WJ30RE	
DC150-03-09.300A0-	9,3		35	89	47	40	10	WJ30RE	
DC150-03-09.400A0-	9,4		35	89	47	40	10	WJ30RE	
DC150-03-09.500A0-	9,5		35	89	47	40	10	WJ30RE	
DC150-03-09.525A0-	9,525	3/8"	35	89	47	40	10	WJ30RE	
DC150-03-09.600A0-	9,6		35	89	47	40	10	WJ30RE	
DC150-03-09.700A0-	9,7		35	89	47	40	10	WJ30RE	
DC150-03-09.800A0-	9,8		35	89	47	40	10	WJ30RE	
DC150-03-09.900A0-	9,9		35	89	47	40	10	WJ30RE	
DC150-03-09.922A0-	9,922	25/64"	35	89	47	40	10	WJ30RE	
DC150-03-10.000A0-	10		35	89	47	40	10	WJ30RE	
DC150-03-10.100A0-	10,1		40	102	55	45	12	WJ30RE	
DC150-03-10.200A0-	10,2		40	102	55	45	12	WJ30RE	
DC150-03-10.300A0-	10,3		40	102	55	45	12	WJ30RE	
DC150-03-10.319A0-	10,319	13/32"	40	102	55	45	12	WJ30RE	
DC150-03-10.400A0-	10,4		40	102	55	45	12	WJ30RE	
DC150-03-10.500A0-	10,5		40	102	55	45	12	WJ30RE	
DC150-03-10.600A0-	10,6		40	102	55	45	12	WJ30RE	
DC150-03-10.716A0-	10,716	27/64"	40	102	55	45	12	WJ30RE	
DC150-03-10.800A0-	10,8		40	102	55	45	12	WJ30RE	
DC150-03-11.000A0-	11		40	102	55	45	12	WJ30RE	
DC150-03-11.100A0-	11,1		40	102	55	45	12	WJ30RE	
DC150-03-11.113A0-	11,113	7/16"	40	102	55	45	12	WJ30RE	
DC150-03-11.200A0-	11,2		40	102	55	45	12	WJ30RE	

Ordering example for the WJ30RE grade: DC150-03-03.000A0-WJ30RE

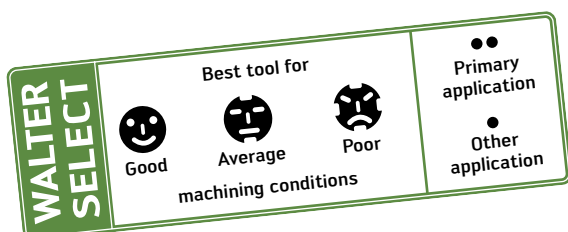
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
Shank DIN 6535 HA 	DC150-03-11.300A0-	11,3		40	102	55	45	12	☺
	DC150-03-11.400A0-	11,4		40	102	55	45	12	☺
	DC150-03-11.500A0-	11,5		40	102	55	45	12	☺
	DC150-03-11.509A0-	11,509	29/64"	40	102	55	45	12	☺
	DC150-03-11.700A0-	11,7		40	102	55	45	12	☺
	DC150-03-11.800A0-	11,8		40	102	55	45	12	☺
	DC150-03-11.900A0-	11,9		40	102	55	45	12	☺
	DC150-03-12.000A0-	12		40	102	55	45	12	☺
	DC150-03-12.100A0-	12,1		43	107	60	45	14	☺
	DC150-03-12.200A0-	12,2		43	107	60	45	14	☺
	DC150-03-12.250A0-	12,25		43	107	60	45	14	☺
	DC150-03-12.300A0-	12,3		43	107	60	45	14	☺
	DC150-03-12.303A0-	12,303	31/64"	43	107	60	45	14	☺
	DC150-03-12.500A0-	12,5		43	107	60	45	14	☺
	DC150-03-12.700A0-	12,7	1/2"	43	107	60	45	14	☺
	DC150-03-12.800A0-	12,8		43	107	60	45	14	☺
	DC150-03-13.000A0-	13		43	107	60	45	14	☺
	DC150-03-13.100A0-	13,1		43	107	60	45	14	☺
	DC150-03-13.300A0-	13,3		43	107	60	45	14	☺
	DC150-03-13.494A0-	13,494	17/32"	43	107	60	45	14	☺
	DC150-03-13.500A0-	13,5		43	107	60	45	14	☺
	DC150-03-14.000A0-	14		43	107	60	45	14	☺
	DC150-03-14.200A0-	14,2		45	115	65	48	16	☺
	DC150-03-14.288A0-	14,288	9/16"	45	115	65	48	16	☺
	DC150-03-14.500A0-	14,5		45	115	65	48	16	☺
	DC150-03-14.700A0-	14,7		45	115	65	48	16	☺
	DC150-03-14.800A0-	14,8		45	115	65	48	16	☺
	DC150-03-15.000A0-	15		45	115	65	48	16	☺
	DC150-03-15.100A0-	15,1		45	115	65	48	16	☺
	DC150-03-15.500A0-	15,5		45	115	65	48	16	☺
	DC150-03-15.800A0-	15,8		45	115	65	48	16	☺
	DC150-03-15.875A0-	15,875	5/8"	45	115	65	48	16	☺
DC150-03-16.000A0-	16		45	115	65	48	16	☺	
DC150-03-16.500A0-	16,5		51	123	73	48	18	☺	
DC150-03-16.750A0-	16,75		51	123	73	48	18	☺	
DC150-03-17.000A0-	17		51	123	73	48	18	☺	
DC150-03-17.500A0-	17,5		51	123	73	48	18	☺	
DC150-03-17.800A0-	17,8		51	123	73	48	18	☺	
DC150-03-18.000A0-	18		51	123	73	48	18	☺	
DC150-03-19.000A0-	19		55	131	79	50	20	☺	
DC150-03-20.000A0-	20		55	131	79	50	20	☺	
DIN 6535 HE, turned 180° DIN 6535 HB 	DC150-03-03.000D0-	3		14	62	20	36	6	☺
	DC150-03-03.100D0-	3,1		14	62	20	36	6	☺
	DC150-03-03.200D0-	3,2		14	62	20	36	6	☺
	DC150-03-03.300D0-	3,3		14	62	20	36	6	☺
	DC150-03-03.400D0-	3,4		14	62	20	36	6	☺
	DC150-03-03.500D0-	3,5		14	62	20	36	6	☺
	DC150-03-03.600D0-	3,6		14	62	20	36	6	☺
	DC150-03-03.700D0-	3,7		14	62	20	36	6	☺
	DC150-03-03.800D0-	3,8		17	66	24	36	6	☺
	DC150-03-03.900D0-	3,9		17	66	24	36	6	☺
	DC150-03-04.000D0-	4		17	66	24	36	6	☺
	DC150-03-04.200D0-	4,2		17	66	24	36	6	☺
	DC150-03-04.300D0-	4,3		17	66	24	36	6	☺
	DC150-03-04.500D0-	4,5		17	66	24	36	6	☺
	DC150-03-04.650D0-	4,65		17	66	24	36	6	☺
	DC150-03-04.700D0-	4,7		17	66	24	36	6	☺

Ordering example for the WJ30RE grade: DC150-03-03.000A0-WJ30RE

Continued



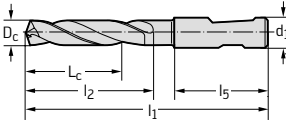
Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
DIN 6535 HE, turned 180° DIN 6535 HB 	DC150-03-04.800D0-	4,8		20	66	28	36	6	☺☺
	DC150-03-05.000D0-	5		20	66	28	36	6	☺☺
	DC150-03-05.100D0-	5,1		20	66	28	36	6	☺☺
	DC150-03-05.300D0-	5,3		20	66	28	36	6	☺☺
	DC150-03-05.500D0-	5,5		20	66	28	36	6	☺☺
	DC150-03-05.550D0-	5,55		20	66	28	36	6	☺☺
	DC150-03-05.600D0-	5,6		20	66	28	36	6	☺☺
	DC150-03-05.800D0-	5,8		20	66	28	36	6	☺☺
	DC150-03-06.000D0-	6		20	66	28	36	6	☺☺
	DC150-03-06.100D0-	6,1		24	79	34	36	8	☺☺
	DC150-03-06.200D0-	6,2		24	79	34	36	8	☺☺
	DC150-03-06.300D0-	6,3		24	79	34	36	8	☺☺
	DC150-03-06.500D0-	6,5		24	79	34	36	8	☺☺
	DC150-03-06.600D0-	6,6		24	79	34	36	8	☺☺
	DC150-03-06.700D0-	6,7		24	79	34	36	8	☺☺
	DC150-03-06.800D0-	6,8		24	79	34	36	8	☺☺
	DC150-03-07.000D0-	7		24	79	34	36	8	☺☺
	DC150-03-07.100D0-	7,1		29	79	41	36	8	☺☺
	DC150-03-07.400D0-	7,4		29	79	41	36	8	☺☺
	DC150-03-07.500D0-	7,5		29	79	41	36	8	☺☺
	DC150-03-07.600D0-	7,6		29	79	41	36	8	☺☺
	DC150-03-07.800D0-	7,8		29	79	41	36	8	☺☺
	DC150-03-08.000D0-	8		29	79	41	36	8	☺☺
	DC150-03-08.200D0-	8,2		35	89	47	40	10	☺☺
	DC150-03-08.300D0-	8,3		35	89	47	40	10	☺☺
	DC150-03-08.500D0-	8,5		35	89	47	40	10	☺☺
	DC150-03-08.600D0-	8,6		35	89	47	40	10	☺☺
	DC150-03-08.700D0-	8,7		35	89	47	40	10	☺☺
	DC150-03-08.800D0-	8,8		35	89	47	40	10	☺☺
	DC150-03-09.000D0-	9		35	89	47	40	10	☺☺
	DC150-03-09.100D0-	9,1		35	89	47	40	10	☺☺
	DC150-03-09.500D0-	9,5		35	89	47	40	10	☺☺
	DC150-03-09.700D0-	9,5		35	89	47	40	10	☺☺
DC150-03-09.800D0-	9,8		35	89	47	40	10	☺☺	
DC150-03-10.000D0-	10		35	89	47	40	10	☺☺	
DC150-03-10.100D0-	10,1		40	102	55	45	12	☺☺	
DC150-03-10.200D0-	10,2		40	102	55	45	12	☺☺	
DC150-03-10.300D0-	10,3		40	102	55	45	12	☺☺	
DC150-03-10.400D0-	10,4		40	102	55	45	12	☺☺	
DC150-03-10.500D0-	10,5		40	102	55	45	12	☺☺	
DC150-03-10.800D0-	10,8		40	102	55	45	12	☺☺	
DC150-03-10.900D0-	10,9		40	102	55	45	12	☺☺	
DC150-03-11.000D0-	11		40	102	55	45	12	☺☺	
DC150-03-11.100D0-	11,1		40	102	55	45	12	☺☺	
DC150-03-11.200D0-	11,2		40	102	55	45	12	☺☺	
DC150-03-11.300D0-	11,3		40	102	55	45	12	☺☺	
DC150-03-11.500D0-	11,5		40	102	55	45	12	☺☺	
DC150-03-11.600D0-	11,6		40	102	55	45	12	☺☺	
DC150-03-11.800D0-	11,8		40	102	55	45	12	☺☺	
DC150-03-12.000D0-	12		40	102	55	45	12	☺☺	
DC150-03-12.200D0-	12,2		43	107	60	45	14	☺☺	
DC150-03-12.500D0-	12,5		43	107	60	45	14	☺☺	
DC150-03-13.000D0-	13		43	107	60	45	14	☺☺	
DC150-03-13.200D0-	13,2		43	107	60	45	14	☺☺	
DC150-03-13.300D0-	13,3		43	107	60	45	14	☺☺	
DC150-03-13.400D0-	13,4		43	107	60	45	14	☺☺	
DC150-03-13.500D0-	13,5		43	107	60	45	14	☺☺	
DC150-03-13.600D0-	13,6		43	107	60	45	14	☺☺	
DC150-03-13.800D0-	13,8		43	107	60	45	14	☺☺	
DC150-03-14.000D0-	14		43	107	60	45	14	☺☺	
DC150-03-15.000D0-	15		45	115	65	48	16	☺☺	

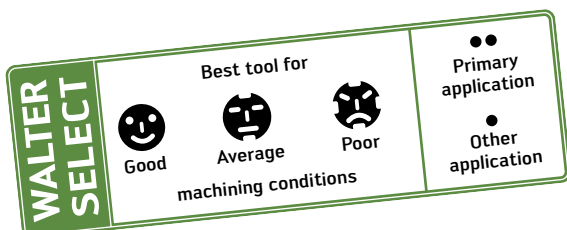
Ordering example for the WJ30RE grade: DC150-03-03.000A0-WJ30RE

Continued

Continued

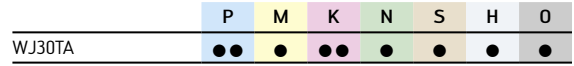
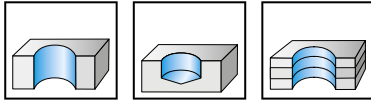
	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30RE
DIN 6535 HE, turned 180° DIN 6535 HB 	DC150-03-15.100D0-	15,1		45	115	65	48	16	
	DC150-03-16.000D0-	16		45	115	65	48	16	
	DC150-03-16.500D0-	16,5		51	123	73	48	18	
	DC150-03-17.000D0-	17		51	123	73	48	18	
	DC150-03-17.500D0-	17,5		51	123	73	48	18	
	DC150-03-18.000D0-	18		51	123	73	48	18	
	DC150-03-18.500D0-	18,5		55	131	79	50	20	
	DC150-03-19.000D0-	19		55	131	79	50	20	
	DC150-03-20.000D0-	20		55	131	79	50	20	

Ordering example for the WJ30RE grade: DC150-03-03.000A0-WJ30RE



Solid carbide twist drills

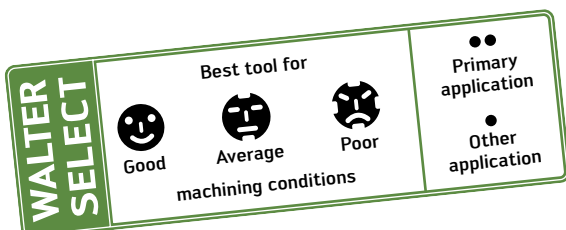
DC150 Perform



Shank DIN 6535 HA	Designation	D _c	D _c	L _c	l ₁	l ₂	l ₅	d ₁	WJ30TA
		m7	Inch/No.	mm	mm	mm	mm	h6	
	DC150-05-03.000A0-	3		23	66	28	36	6	●●
	DC150-05-03.100A0-	3,1		23	66	28	36	6	●●
	DC150-05-03.175A0-	3,175	1/8"	23	66	28	36	6	●●
	DC150-05-03.200A0-	3,2		23	66	28	36	6	●●
	DC150-05-03.250A0-	3,25		23	66	28	36	6	●●
	DC150-05-03.300A0-	3,3		23	66	28	36	6	●●
	DC150-05-03.400A0-	3,4		23	66	28	36	6	●●
	DC150-05-03.500A0-	3,5		23	66	28	36	6	●●
	DC150-05-03.600A0-	3,6		23	66	28	36	6	●●
	DC150-05-03.650A0-	3,65		23	66	28	36	6	●●
	DC150-05-03.700A0-	3,7		23	66	28	36	6	●●
	DC150-05-03.800A0-	3,8		29	74	36	36	6	●●
	DC150-05-03.900A0-	3,9		29	74	36	36	6	●●
	DC150-05-03.969A0-	3,969	5/32"	29	74	36	36	6	●●
	DC150-05-04.000A0-	4		29	74	36	36	6	●●
	DC150-05-04.100A0-	4,1		29	74	36	36	6	●●
	DC150-05-04.200A0-	4,2		29	74	36	36	6	●●
	DC150-05-04.300A0-	4,3		29	74	36	36	6	●●
	DC150-05-04.366A0-	4,366	11/64"	29	74	36	36	6	●●
	DC150-05-04.400A0-	4,4		29	74	36	36	6	●●
	DC150-05-04.500A0-	4,5		29	74	36	36	6	●●
	DC150-05-04.600A0-	4,6		29	74	36	36	6	●●
	DC150-05-04.650A0-	4,65		29	74	36	36	6	●●
	DC150-05-04.700A0-	4,7		29	74	36	36	6	●●
	DC150-05-04.763A0-	4,763	3/16"	35	82	44	36	6	●●
	DC150-05-04.800A0-	4,8		35	82	44	36	6	●●
	DC150-05-04.900A0-	4,9		35	82	44	36	6	●●
	DC150-05-05.000A0-	5		35	82	44	36	6	●●
	DC150-05-05.100A0-	5,1		35	82	44	36	6	●●
	DC150-05-05.159A0-	5,159	13/64"	35	82	44	36	6	●●
	DC150-05-05.200A0-	5,2		35	82	44	36	6	●●
	DC150-05-05.300A0-	5,3		35	82	44	36	6	●●
	DC150-05-05.400A0-	5,4		35	82	44	36	6	●●
	DC150-05-05.500A0-	5,5		35	82	44	36	6	●●
	DC150-05-05.550A0-	5,55		35	82	44	36	6	●●
	DC150-05-05.556A0-	5,556	7/32"	35	82	44	36	6	●●
	DC150-05-05.600A0-	5,6		35	82	44	36	6	●●
	DC150-05-05.700A0-	5,7		35	82	44	36	6	●●
	DC150-05-05.800A0-	5,8		35	82	44	36	6	●●
	DC150-05-05.900A0-	5,9		35	82	44	36	6	●●
	DC150-05-05.953A0-	5,953	15/64"	35	82	44	36	6	●●
	DC150-05-06.000A0-	6		35	82	44	36	6	●●
	DC150-05-06.100A0-	6,1		43	91	53	36	8	●●

Ordering example for the WJ30TA grade: DC150-05-03.000A0-WJ30TA

Continued



Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
Shank DIN 6535 HA 	DC150-05-06.200A0-	6,2		43	91	53	36	8	☺
	DC150-05-06.300A0-	6,3		43	91	53	36	8	☺
	DC150-05-06.350A0-	6,35	1/4"	43	91	53	36	8	☺
	DC150-05-06.400A0-	6,4		43	91	53	36	8	☺
	DC150-05-06.500A0-	6,5		43	91	53	36	8	☺
	DC150-05-06.600A0-	6,6		43	91	53	36	8	☺
	DC150-05-06.700A0-	6,7		43	91	53	36	8	☺
	DC150-05-06.747A0-	6,747	17/64"	43	91	53	36	8	☺
	DC150-05-06.800A0-	6,8		43	91	53	36	8	☺
	DC150-05-06.900A0-	6,9		43	91	53	36	8	☺
	DC150-05-07.000A0-	7		43	91	53	36	8	☺
	DC150-05-07.100A0-	7,1		43	91	53	36	8	☺
	DC150-05-07.144A0-	7,144	9/32"	43	91	53	36	8	☺
	DC150-05-07.200A0-	7,2		43	91	53	36	8	☺
	DC150-05-07.300A0-	7,3		43	91	53	36	8	☺
	DC150-05-07.400A0-	7,4		43	91	53	36	8	☺
	DC150-05-07.500A0-	7,5		43	91	53	36	8	☺
	DC150-05-07.700A0-	7,7		43	91	53	36	8	☺
	DC150-05-07.800A0-	7,8		43	91	53	36	8	☺
	DC150-05-07.900A0-	7,9		43	91	53	36	8	☺
	DC150-05-07.938A0-	7,938	5/16"	43	91	53	36	8	☺
	DC150-05-08.000A0-	8		43	91	53	36	8	☺
	DC150-05-08.100A0-	8,1		49	103	61	40	10	☺
	DC150-05-08.200A0-	8,2		49	103	61	40	10	☺
	DC150-05-08.300A0-	8,3		49	103	61	40	10	☺
	DC150-05-08.334A0-	8,334	21/64"	49	103	61	40	10	☺
	DC150-05-08.400A0-	8,4		49	103	61	40	10	☺
	DC150-05-08.500A0-	8,5		49	103	61	40	10	☺
	DC150-05-08.600A0-	8,6		49	103	61	40	10	☺
	DC150-05-08.700A0-	8,7		49	103	61	40	10	☺
	DC150-05-08.731A0-	8,731	11/32"	49	103	61	40	10	☺
	DC150-05-08.800A0-	8,8		49	103	61	40	10	☺
	DC150-05-08.900A0-	8,9		49	103	61	40	10	☺
	DC150-05-09.000A0-	9		49	103	61	40	10	☺
DC150-05-09.100A0-	9,1		49	103	61	40	10	☺	
DC150-05-09.128A0-	9,128	23/64"	49	103	61	40	10	☺	
DC150-05-09.200A0-	9,2		49	103	61	40	10	☺	
DC150-05-09.300A0-	9,3		49	103	61	40	10	☺	
DC150-05-09.400A0-	9,4		49	103	61	40	10	☺	
DC150-05-09.500A0-	9,5		49	103	61	40	10	☺	
DC150-05-09.525A0-	9,525	3/8"	49	103	61	40	10	☺	
DC150-05-09.600A0-	9,6		49	103	61	40	10	☺	
DC150-05-09.700A0-	9,7		49	103	61	40	10	☺	
DC150-05-09.800A0-	9,8		49	103	61	40	10	☺	
DC150-05-09.900A0-	9,9		49	103	61	40	10	☺	
DC150-05-09.922A0-	9,922	25/64"	49	103	61	40	10	☺	
DC150-05-10.000A0-	10		49	103	61	40	10	☺	
DC150-05-10.100A0-	10,1		56	118	71	45	12	☺	
DC150-05-10.200A0-	10,2		56	118	71	45	12	☺	
DC150-05-10.300A0-	10,3		56	118	71	45	12	☺	
DC150-05-10.319A0-	10,319	13/32"	56	118	71	45	12	☺	
DC150-05-10.400A0-	10,4		56	118	71	45	12	☺	
DC150-05-10.500A0-	10,5		56	118	71	45	12	☺	
DC150-05-10.600A0-	10,6		56	118	71	45	12	☺	
DC150-05-10.700A0-	10,7		56	118	71	45	12	☺	
DC150-05-10.716A0-	10,716	27/64"	56	118	71	45	12	☺	
DC150-05-10.800A0-	10,8		56	118	71	45	12	☺	
DC150-05-11.000A0-	11		56	118	71	45	12	☺	
DC150-05-11.113A0-	11,113	7/16"	56	118	71	45	12	☺	
DC150-05-11.200A0-	11,2		56	118	71	45	12	☺	
DC150-05-11.500A0-	11,5		56	118	71	45	12	☺	

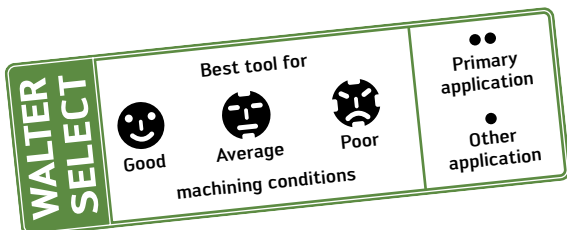
Ordering example for the WJ30TA grade: DC150-05-03.000A0-WJ30TA

Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
	Shank DIN 6535 HA								
	DC150-05-11.800A0-	11,8		56	118	71	45	12	☺
	DC150-05-11.906A0-	11,906	15/32"	56	118	71	45	12	☺
	DC150-05-12.000A0-	12		56	118	71	45	12	☺
	DC150-05-12.200A0-	12,2		60	124	77	45	14	☺
	DC150-05-12.300A0-	12,3		60	124	77	45	14	☺
	DC150-05-12.400A0-	12,4		60	124	77	45	14	☺
	DC150-05-12.500A0-	12,5		60	124	77	45	14	☺
	DC150-05-12.600A0-	12,6		60	124	77	45	14	☺
	DC150-05-12.700A0-	12,7	1/2"	60	124	77	45	14	☺
	DC150-05-13.000A0-	13		60	124	77	45	14	☺
	DC150-05-13.200A0-	13,2		60	124	77	45	14	☺
	DC150-05-13.494A0-	13,494	17/32"	60	124	77	45	14	☺
	DC150-05-13.500A0-	13,5		60	124	77	45	14	☺
	DC150-05-13.800A0-	13,8		60	124	77	45	14	☺
	DC150-05-14.000A0-	14		60	124	77	45	14	☺
	DC150-05-14.200A0-	14,2		63	133	83	48	16	☺
	DC150-05-14.288A0-	14,288	9/16"	63	133	83	48	16	☺
	DC150-05-14.500A0-	14,5		63	133	83	48	16	☺
	DC150-05-15.000A0-	15		63	133	83	48	16	☺
	DC150-05-15.500A0-	15,5		63	133	83	48	16	☺
	DC150-05-15.800A0-	15,8		63	133	83	48	16	☺
	DC150-05-16.000A0-	16		63	133	83	48	16	☺
	DC150-05-16.500A0-	16,5		71	143	93	48	18	☺
	DC150-05-17.000A0-	17		71	143	93	48	18	☺
	DC150-05-17.500A0-	17,5		71	143	93	48	18	☺
	DC150-05-18.000A0-	18		71	143	93	48	18	☺
	DC150-05-19.000A0-	19		77	153	101	50	20	☺
DC150-05-19.500A0-	19,5		77	153	101	50	20	☺	
DC150-05-20.000A0-	20		77	153	101	50	20	☺	

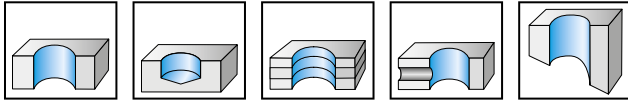
Ordering example for the WJ30TA grade: DC150-05-03.000A0-WJ30TA



Solid carbide twist drills

DC160 Advance

X-treme Evo



	P	M	K	N	S	H	O
WJ30ET	●	●	●	●	●	●	●

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
Shank DIN 6535 HA 	DC160-03-03.000A0-	3		14	62	20	36	6	●
	DC160-03-03.100A0-	3,1		14	62	20	36	6	●
	DC160-03-03.175A0-	3,175	1/8"	14	62	20	36	6	●
	DC160-03-03.200A0-	3,2		14	62	20	36	6	●
	DC160-03-03.250A0-	3,25		14	62	20	36	6	●
	DC160-03-03.300A0-	3,3		14	62	20	36	6	●
	DC160-03-03.400A0-	3,4		14	62	20	36	6	●
	DC160-03-03.500A0-	3,5		14	62	20	36	6	●
	DC160-03-03.572A0-	3,572	9/64"	14	62	20	36	6	●
	DC160-03-03.600A0-	3,6		14	62	20	36	6	●
	DC160-03-03.650A0-	3,65		14	62	20	36	6	●
	DC160-03-03.700A0-	3,7		14	62	20	36	6	●
	DC160-03-03.800A0-	3,8		17	66	24	36	6	●
	DC160-03-03.900A0-	3,9		17	66	24	36	6	●
	DC160-03-03.969A0-	3,969	5/32"	17	66	24	36	6	●
	DC160-03-04.000A0-	4		17	66	24	36	6	●
	DC160-03-04.100A0-	4,1		17	66	24	36	6	●
	DC160-03-04.200A0-	4,2		17	66	24	36	6	●
	DC160-03-04.300A0-	4,3		17	66	24	36	6	●
	DC160-03-04.366A0-	4,366	11/64"	17	66	24	36	6	●
	DC160-03-04.400A0-	4,4		17	66	24	36	6	●
	DC160-03-04.500A0-	4,5		17	66	24	36	6	●
	DC160-03-04.600A0-	4,6		17	66	24	36	6	●
	DC160-03-04.650A0-	4,65		17	66	24	36	6	●
	DC160-03-04.700A0-	4,7		17	66	24	36	6	●
	DC160-03-04.763A0-	4,763	3/16"	20	66	28	36	6	●
	DC160-03-04.800A0-	4,8		20	66	28	36	6	●
	DC160-03-04.900A0-	4,9		20	66	28	36	6	●
	DC160-03-05.000A0-	5		20	66	28	36	6	●
	DC160-03-05.100A0-	5,1		20	66	28	36	6	●
DC160-03-05.159A0-	5,159	13/64"	20	66	28	36	6	●	
DC160-03-05.200A0-	5,2		20	66	28	36	6	●	

Ordering example for the WJ30ET grade: DC160-03-03.000A0-WJ30ET

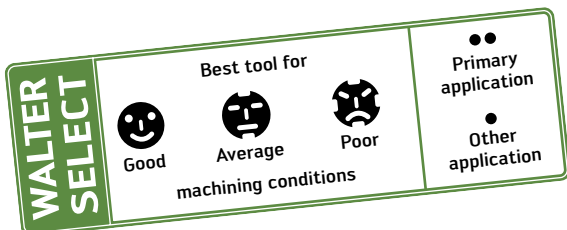
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
Shank DIN 6535 HA 	DC160-03-05.300A0-	5,3		20	66	28	36	6	☺
	DC160-03-05.400A0-	5,4		20	66	28	36	6	☺
	DC160-03-05.500A0-	5,5		20	66	28	36	6	☺
	DC160-03-05.550A0-	5,55		20	66	28	36	6	☺
	DC160-03-05.556A0-	5,556	7/32"	20	66	28	36	6	☺
	DC160-03-05.600A0-	5,6		20	66	28	36	6	☺
	DC160-03-05.700A0-	5,7		20	66	28	36	6	☺
	DC160-03-05.800A0-	5,8		20	66	28	36	6	☺
	DC160-03-05.900A0-	5,9		20	66	28	36	6	☺
	DC160-03-05.953A0-	5,953	15/64"	20	66	28	36	6	☺
	DC160-03-06.000A0-	6		20	66	28	36	6	☺
	DC160-03-06.100A0-	6,1		24	79	34	36	8	☺
	DC160-03-06.200A0-	6,2		24	79	34	36	8	☺
	DC160-03-06.300A0-	6,3		24	79	34	36	8	☺
	DC160-03-06.350A0-	6,35	1/4"	24	79	34	36	8	☺
	DC160-03-06.400A0-	6,4		24	79	34	36	8	☺
	DC160-03-06.500A0-	6,5		24	79	34	36	8	☺
	DC160-03-06.600A0-	6,6		24	79	34	36	8	☺
	DC160-03-06.700A0-	6,7		24	79	34	36	8	☺
	DC160-03-06.747A0-	6,747	17/64"	24	79	34	36	8	☺
	DC160-03-06.800A0-	6,8		24	79	34	36	8	☺
	DC160-03-06.900A0-	6,9		24	79	34	36	8	☺
	DC160-03-07.000A0-	7		24	79	34	36	8	☺
	DC160-03-07.100A0-	7,1		29	79	41	36	8	☺
	DC160-03-07.144A0-	7,144	9/32"	29	79	41	36	8	☺
	DC160-03-07.200A0-	7,2		29	79	41	36	8	☺
	DC160-03-07.300A0-	7,3		29	79	41	36	8	☺
	DC160-03-07.400A0-	7,4		29	79	41	36	8	☺
	DC160-03-07.500A0-	7,5		29	79	41	36	8	☺
	DC160-03-07.541A0-	7,541	19/64"	29	79	41	36	8	☺
	DC160-03-07.550A0-	7,55		29	79	41	36	8	☺
	DC160-03-07.600A0-	7,6		29	79	41	36	8	☺
	DC160-03-07.700A0-	7,7		29	79	41	36	8	☺
	DC160-03-07.800A0-	7,8		29	79	41	36	8	☺
	DC160-03-07.900A0-	7,9		29	79	41	36	8	☺
DC160-03-07.938A0-	7,938	5/16"	29	79	41	36	8	☺	
DC160-03-08.000A0-	8		29	79	41	36	8	☺	
DC160-03-08.100A0-	8,1		35	89	47	40	10	☺	
DC160-03-08.200A0-	8,2		35	89	47	40	10	☺	
DC160-03-08.300A0-	8,3		35	89	47	40	10	☺	
DC160-03-08.334A0-	8,334	21/64"	35	89	47	40	10	☺	
DC160-03-08.400A0-	8,4		35	89	47	40	10	☺	
DC160-03-08.500A0-	8,5		35	89	47	40	10	☺	
DC160-03-08.600A0-	8,6		35	89	47	40	10	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A0-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HA	DC160-03-08.700A0-	8,7	35	89	47	40	10	☺
	DC160-03-08.731A0-	8,731	11/32"	35	89	47	40	10	☺
	DC160-03-08.800A0-	8,8		35	89	47	40	10	☺
	DC160-03-08.900A0-	8,9		35	89	47	40	10	☺
	DC160-03-09.000A0-	9		35	89	47	40	10	☺
	DC160-03-09.100A0-	9,1		35	89	47	40	10	☺
	DC160-03-09.128A0-	9,128	23/64"	35	89	47	40	10	☺
	DC160-03-09.200A0-	9,2		35	89	47	40	10	☺
	DC160-03-09.300A0-	9,3		35	89	47	40	10	☺
	DC160-03-09.400A0-	9,4		35	89	47	40	10	☺
	DC160-03-09.500A0-	9,5		35	89	47	40	10	☺
	DC160-03-09.525A0-	9,525	3/8"	35	89	47	40	10	☺
	DC160-03-09.550A0-	9,55		35	89	47	40	10	☺
	DC160-03-09.600A0-	9,6		35	89	47	40	10	☺
	DC160-03-09.700A0-	9,7		35	89	47	40	10	☺
	DC160-03-09.800A0-	9,8		35	89	47	40	10	☺
	DC160-03-09.900A0-	9,9		35	89	47	40	10	☺
	DC160-03-09.922A0-	9,922	25/64"	35	89	47	40	10	☺
	DC160-03-10.000A0-	10		35	89	47	40	10	☺
	DC160-03-10.100A0-	10,1		40	102	55	45	12	☺
	DC160-03-10.200A0-	10,2		40	102	55	45	12	☺
	DC160-03-10.300A0-	10,3		40	102	55	45	12	☺
	DC160-03-10.319A0-	10,319	13/32"	40	102	55	45	12	☺
	DC160-03-10.400A0-	10,4		40	102	55	45	12	☺
	DC160-03-10.500A0-	10,5		40	102	55	45	12	☺
	DC160-03-10.600A0-	10,6		40	102	55	45	12	☺
	DC160-03-10.700A0-	10,7		40	102	55	45	12	☺
	DC160-03-10.716A0-	10,716	27/64"	40	102	55	45	12	☺
	DC160-03-10.800A0-	10,8		40	102	55	45	12	☺
	DC160-03-10.900A0-	10,9		40	102	55	45	12	☺
	DC160-03-11.000A0-	11		40	102	55	45	12	☺
	DC160-03-11.100A0-	11,1		40	102	55	45	12	☺
	DC160-03-11.113A0-	11,113	7/16"	40	102	55	45	12	☺
	DC160-03-11.200A0-	11,2		40	102	55	45	12	☺
	DC160-03-11.300A0-	11,3		40	102	55	45	12	☺
	DC160-03-11.400A0-	11,4		40	102	55	45	12	☺
	DC160-03-11.500A0-	11,5		40	102	55	45	12	☺
	DC160-03-11.509A0-	11,509	29/64"	40	102	55	45	12	☺
	DC160-03-11.550A0-	11,55		40	102	55	45	12	☺
	DC160-03-11.700A0-	11,7		40	102	55	45	12	☺
DC160-03-11.800A0-	11,8		40	102	55	45	12	☺	
DC160-03-11.900A0-	11,9		40	102	55	45	12	☺	
DC160-03-11.906A0-	11,906	15/32"	40	102	55	45	12	☺	
DC160-03-12.000A0-	12		40	102	55	45	12	☺	
DC160-03-12.100A0-	12,1		43	107	60	45	14	☺	
DC160-03-12.200A0-	12,2		43	107	60	45	14	☺	
DC160-03-12.250A0-	12,25		43	107	60	45	14	☺	
DC160-03-12.300A0-	12,3		43	107	60	45	14	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A0-WJ30ET

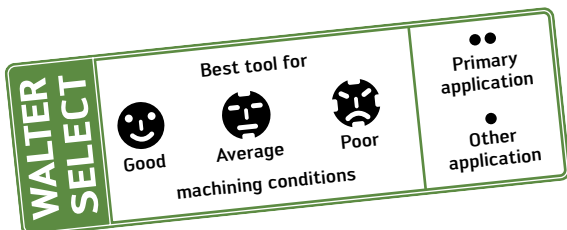
Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
Shank DIN 6535 HA 	DC160-03-12.303A0-	12,303	31/64"	43	107	60	45	14	☺
	DC160-03-12.400A0-	12,4		43	107	60	45	14	☺
	DC160-03-12.500A0-	12,5		43	107	60	45	14	☺
	DC160-03-12.600A0-	12,6		43	107	60	45	14	☺
	DC160-03-12.700A0-	12,7	1/2"	43	107	60	45	14	☺
	DC160-03-12.750A0-	12,75		43	107	60	45	14	☺
	DC160-03-12.800A0-	12,8		43	107	60	45	14	☺
	DC160-03-12.900A0-	12,9		43	107	60	45	14	☺
	DC160-03-13.000A0-	13		43	107	60	45	14	☺
	DC160-03-13.100A0-	13,1		43	107	60	45	14	☺
	DC160-03-13.200A0-	13,2		43	107	60	45	14	☺
	DC160-03-13.300A0-	13,3		43	107	60	45	14	☺
	DC160-03-13.400A0-	13,4		43	107	60	45	14	☺
	DC160-03-13.494A0-	13,494	17/32"	43	107	60	45	14	☺
	DC160-03-13.500A0-	13,5		43	107	60	45	14	☺
	DC160-03-13.600A0-	13,6		43	107	60	45	14	☺
	DC160-03-13.700A0-	13,7		43	107	60	45	14	☺
	DC160-03-13.800A0-	13,8		43	107	60	45	14	☺
	DC160-03-13.900A0-	13,9		43	107	60	45	14	☺
	DC160-03-14.000A0-	14		43	107	60	45	14	☺
	DC160-03-14.100A0-	14,1		45	115	65	48	16	☺
	DC160-03-14.200A0-	14,2		45	115	65	48	16	☺
	DC160-03-14.288A0-	14,288	9/16"	45	115	65	48	16	☺
	DC160-03-14.300A0-	14,3		45	115	65	48	16	☺
	DC160-03-14.400A0-	14,4		45	115	65	48	16	☺
	DC160-03-14.500A0-	14,5		45	115	65	48	16	☺
	DC160-03-14.600A0-	14,6		45	115	65	48	16	☺
	DC160-03-14.700A0-	14,7		45	115	65	48	16	☺
	DC160-03-14.800A0-	14,8		45	115	65	48	16	☺
	DC160-03-15.000A0-	15		45	115	65	48	16	☺
	DC160-03-15.100A0-	15,1		45	115	65	48	16	☺
	DC160-03-15.200A0-	15,2		45	115	65	48	16	☺
	DC160-03-15.300A0-	15,3		45	115	65	48	16	☺
	DC160-03-15.500A0-	15,5		45	115	65	48	16	☺
	DC160-03-15.600A0-	15,6		45	115	65	48	16	☺
	DC160-03-15.700A0-	15,7		45	115	65	48	16	☺
	DC160-03-15.800A0-	15,8		45	115	65	48	16	☺
	DC160-03-15.875A0-	15,875	5/8"	45	115	65	48	16	☺
	DC160-03-15.900A0-	15,9		45	115	65	48	16	☺
	DC160-03-16.000A0-	16		45	115	65	48	16	☺
DC160-03-16.100A0-	16,1		51	123	73	48	18	☺	
DC160-03-16.200A0-	16,2		51	123	73	48	18	☺	
DC160-03-16.300A0-	16,3		51	123	73	48	18	☺	
DC160-03-16.500A0-	16,5		51	123	73	48	18	☺	
DC160-03-16.600A0-	16,6		51	123	73	48	18	☺	
DC160-03-16.700A0-	16,7		51	123	73	48	18	☺	
DC160-03-16.750A0-	16,75		51	123	73	48	18	☺	
DC160-03-16.800A0-	16,8		51	123	73	48	18	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A0-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET	
Shank DIN 6535 HA 	DC160-03-17.000A0-	17		51	123	73	48	18	☺	
	DC160-03-17.200A0-	17,2		51	123	73	48	18	☺	
	DC160-03-17.300A0-	17,3		51	123	73	48	18	☺	
	DC160-03-17.500A0-	17,5		51	123	73	48	18	☺	
	DC160-03-17.600A0-	17,6		51	123	73	48	18	☺	
	DC160-03-17.700A0-	17,7		51	123	73	48	18	☺	
	DC160-03-17.800A0-	17,8		51	123	73	48	18	☺	
	DC160-03-18.000A0-	18		51	123	73	48	18	☺	
	DC160-03-18.200A0-	18,2		55	131	79	50	20	☺	
	DC160-03-18.500A0-	18,5		55	131	79	50	20	☺	
	DC160-03-18.700A0-	18,7		55	131	79	50	20	☺	
	DC160-03-18.800A0-	18,8		55	131	79	50	20	☺	
	DC160-03-19.000A0-	19		55	131	79	50	20	☺	
	DC160-03-19.050A0-	19,05	3/4"	55	131	79	50	20	☺	
	DC160-03-19.500A0-	19,5		55	131	79	50	20	☺	
	DC160-03-19.700A0-	19,7		55	131	79	50	20	☺	
	DC160-03-19.800A0-	19,8		55	131	79	50	20	☺	
	DC160-03-20.000A0-	20		55	131	79	50	20	☺	
	Shank DIN 6535 HE 	DC160-03-03.000F0-	3		14	62	20	36	6	☺
		DC160-03-03.100F0-	3,1		14	62	20	36	6	☺
DC160-03-03.200F0-		3,2		14	62	20	36	6	☺	
DC160-03-03.250F0-		3,25		14	62	20	36	6	☺	
DC160-03-03.300F0-		3,3		14	62	20	36	6	☺	
DC160-03-03.400F0-		3,4		14	62	20	36	6	☺	
DC160-03-03.500F0-		3,5		14	62	20	36	6	☺	
DC160-03-03.600F0-		3,6		14	62	20	36	6	☺	
DC160-03-03.650F0-		3,65		14	62	20	36	6	☺	
DC160-03-03.700F0-		3,7		14	62	20	36	6	☺	
DC160-03-03.800F0-		3,8		17	66	24	36	6	☺	
DC160-03-03.900F0-		3,9		17	66	24	36	6	☺	
DC160-03-04.000F0-		4		17	66	24	36	6	☺	
DC160-03-04.100F0-		4,1		17	66	24	36	6	☺	
DC160-03-04.200F0-		4,2		17	66	24	36	6	☺	
DC160-03-04.300F0-		4,3		17	66	24	36	6	☺	
DC160-03-04.400F0-		4,4		17	66	24	36	6	☺	
DC160-03-04.500F0-		4,5		17	66	24	36	6	☺	
DC160-03-04.600F0-		4,6		17	66	24	36	6	☺	
DC160-03-04.650F0-		4,65		17	66	24	36	6	☺	
DC160-03-04.700F0-		4,7		17	66	24	36	6	☺	
DC160-03-04.800F0-		4,8		20	66	28	36	6	☺	
DC160-03-04.900F0-		4,9		20	66	28	36	6	☺	
DC160-03-05.000F0-		5		20	66	28	36	6	☺	
DC160-03-05.100F0-		5,1		20	66	28	36	6	☺	
DC160-03-05.200F0-		5,2		20	66	28	36	6	☺	
DC160-03-05.300F0-		5,3		20	66	28	36	6	☺	
DC160-03-05.400F0-		5,4		20	66	28	36	6	☺	
DC160-03-05.500F0-		5,5		20	66	28	36	6	☺	
DC160-03-05.550F0-		5,55		20	66	28	36	6	☺	
DC160-03-05.600F0-		5,6		20	66	28	36	6	☺	
DC160-03-05.700F0-		5,7		20	66	28	36	6	☺	
DC160-03-05.800F0-	5,8		20	66	28	36	6	☺		
DC160-03-05.900F0-	5,9		20	66	28	36	6	☺		
DC160-03-06.000F0-	6		20	66	28	36	6	☺		
DC160-03-06.100F0-	6,1		24	79	34	36	8	☺		
DC160-03-06.200F0-	6,2		24	79	34	36	8	☺		
DC160-03-06.300F0-	6,3		24	79	34	36	8	☺		
DC160-03-06.400F0-	6,4		24	79	34	36	8	☺		

Ordering example for the WJ30ET grade: DC160-03-03.000A0-WJ30ET

Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HE								
	DC160-03-06.500F0-	6,5		24	79	34	36	8	☺
	DC160-03-06.600F0-	6,6		24	79	34	36	8	☺
	DC160-03-06.700F0-	6,7		24	79	34	36	8	☺
	DC160-03-06.800F0-	6,8		24	79	34	36	8	☺
	DC160-03-06.900F0-	6,9		24	79	34	36	8	☺
	DC160-03-07.000F0-	7		24	79	34	36	8	☺
	DC160-03-07.100F0-	7,1		29	79	41	36	8	☺
	DC160-03-07.200F0-	7,2		29	79	41	36	8	☺
	DC160-03-07.300F0-	7,3		29	79	41	36	8	☺
	DC160-03-07.400F0-	7,4		29	79	41	36	8	☺
	DC160-03-07.500F0-	7,5		29	79	41	36	8	☺
	DC160-03-07.550F0-	7,55		29	79	41	36	8	☺
	DC160-03-07.600F0-	7,6		29	79	41	36	8	☺
	DC160-03-07.700F0-	7,7		29	79	41	36	8	☺
	DC160-03-07.800F0-	7,8		29	79	41	36	8	☺
	DC160-03-07.900F0-	7,9		29	79	41	36	8	☺
	DC160-03-08.000F0-	8		29	79	41	36	8	☺
	DC160-03-08.100F0-	8,1		35	89	47	40	10	☺
	DC160-03-08.200F0-	8,2		35	89	47	40	10	☺
	DC160-03-08.300F0-	8,3		35	89	47	40	10	☺
	DC160-03-08.400F0-	8,4		35	89	47	40	10	☺
	DC160-03-08.500F0-	8,5		35	89	47	40	10	☺
	DC160-03-08.600F0-	8,6		35	89	47	40	10	☺
	DC160-03-08.700F0-	8,7		35	89	47	40	10	☺
	DC160-03-08.800F0-	8,8		35	89	47	40	10	☺
	DC160-03-08.900F0-	8,9		35	89	47	40	10	☺
	DC160-03-09.000F0-	9		35	89	47	40	10	☺
	DC160-03-09.100F0-	9,1		35	89	47	40	10	☺
	DC160-03-09.200F0-	9,2		35	89	47	40	10	☺
	DC160-03-09.300F0-	9,3		35	89	47	40	10	☺
	DC160-03-09.400F0-	9,4		35	89	47	40	10	☺
	DC160-03-09.500F0-	9,5		35	89	47	40	10	☺
	DC160-03-09.550F0-	9,55		35	89	47	40	10	☺
	DC160-03-09.600F0-	9,6		35	89	47	40	10	☺
	DC160-03-09.700F0-	9,7		35	89	47	40	10	☺
	DC160-03-09.800F0-	9,8		35	89	47	40	10	☺
	DC160-03-09.900F0-	9,9		35	89	47	40	10	☺
	DC160-03-10.000F0-	10		35	89	47	40	10	☺
	DC160-03-10.100F0-	10,1		40	102	55	45	12	☺
DC160-03-10.200F0-	10,2		40	102	55	45	12	☺	
DC160-03-10.300F0-	10,3		40	102	55	45	12	☺	
DC160-03-10.400F0-	10,4		40	102	55	45	12	☺	
DC160-03-10.500F0-	10,5		40	102	55	45	12	☺	
DC160-03-10.600F0-	10,6		40	102	55	45	12	☺	
DC160-03-10.700F0-	10,7		40	102	55	45	12	☺	
DC160-03-10.800F0-	10,8		40	102	55	45	12	☺	
DC160-03-10.900F0-	10,9		40	102	55	45	12	☺	
DC160-03-11.000F0-	11		40	102	55	45	12	☺	
DC160-03-11.100F0-	11,1		40	102	55	45	12	☺	
DC160-03-11.200F0-	11,2		40	102	55	45	12	☺	
DC160-03-11.300F0-	11,3		40	102	55	45	12	☺	
DC160-03-11.400F0-	11,4		40	102	55	45	12	☺	
DC160-03-11.500F0-	11,5		40	102	55	45	12	☺	
DC160-03-11.550F0-	11,55		40	102	55	45	12	☺	
DC160-03-11.600F0-	11,6		40	102	55	45	12	☺	
DC160-03-11.700F0-	11,7		40	102	55	45	12	☺	
DC160-03-11.800F0-	11,8		40	102	55	45	12	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A0-WJ30ET

Continued

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹☹
Poor

machining conditions

•• Primary application

• Other application

Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET	
	Shank DIN 6535 HE	DC160-03-11.900F0-		40	102	55	45	12	WJ30ET	
		DC160-03-12.000F0-		40	102	55	45	12	WJ30ET	
		DC160-03-12.100F0-		43	107	60	45	14	WJ30ET	
		DC160-03-12.200F0-		43	107	60	45	14	WJ30ET	
		DC160-03-12.250F0-		43	107	60	45	14	WJ30ET	
		DC160-03-12.300F0-		43	107	60	45	14	WJ30ET	
		DC160-03-12.400F0-		43	107	60	45	14	WJ30ET	
		DC160-03-12.500F0-		43	107	60	45	14	WJ30ET	
		DC160-03-12.600F0-		43	107	60	45	14	WJ30ET	
		DC160-03-12.700F0-		1/2"	43	107	60	45	14	WJ30ET
		DC160-03-12.750F0-			43	107	60	45	14	WJ30ET
		DC160-03-12.800F0-			43	107	60	45	14	WJ30ET
		DC160-03-12.900F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.000F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.100F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.200F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.300F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.400F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.500F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.600F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.700F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.800F0-			43	107	60	45	14	WJ30ET
		DC160-03-13.900F0-			43	107	60	45	14	WJ30ET
		DC160-03-14.000F0-			43	107	60	45	14	WJ30ET
		DC160-03-14.100F0-			45	115	65	48	16	WJ30ET
		DC160-03-14.200F0-			45	115	65	48	16	WJ30ET
		DC160-03-14.300F0-			45	115	65	48	16	WJ30ET
		DC160-03-14.400F0-			45	115	65	48	16	WJ30ET
		DC160-03-14.500F0-			45	115	65	48	16	WJ30ET
		DC160-03-14.600F0-			45	115	65	48	16	WJ30ET
		DC160-03-14.700F0-			45	115	65	48	16	WJ30ET
		DC160-03-14.750F0-			45	115	65	48	16	WJ30ET
		DC160-03-14.800F0-			45	115	65	48	16	WJ30ET
		DC160-03-15.000F0-			45	115	65	48	16	WJ30ET
		DC160-03-15.100F0-			45	115	65	48	16	WJ30ET
	DC160-03-15.200F0-			45	115	65	48	16	WJ30ET	
	DC160-03-15.300F0-			45	115	65	48	16	WJ30ET	
	DC160-03-15.500F0-			45	115	65	48	16	WJ30ET	
	DC160-03-15.600F0-			45	115	65	48	16	WJ30ET	
	DC160-03-15.700F0-			45	115	65	48	16	WJ30ET	
	DC160-03-15.800F0-			45	115	65	48	16	WJ30ET	
	DC160-03-15.900F0-			45	115	65	48	16	WJ30ET	
	DC160-03-16.000F0-			45	115	65	48	16	WJ30ET	
	DC160-03-16.100F0-			51	123	73	48	18	WJ30ET	
	DC160-03-16.200F0-			51	123	73	48	18	WJ30ET	
	DC160-03-16.300F0-			51	123	73	48	18	WJ30ET	
	DC160-03-16.400F0-			51	123	73	48	18	WJ30ET	
	DC160-03-16.500F0-			51	123	73	48	18	WJ30ET	
	DC160-03-16.600F0-			51	123	73	48	18	WJ30ET	
	DC160-03-16.700F0-			51	123	73	48	18	WJ30ET	
	DC160-03-16.750F0-			51	123	73	48	18	WJ30ET	
	DC160-03-16.800F0-			51	123	73	48	18	WJ30ET	
	DC160-03-17.000F0-			51	123	73	48	18	WJ30ET	
	DC160-03-17.200F0-			51	123	73	48	18	WJ30ET	
	DC160-03-17.300F0-			51	123	73	48	18	WJ30ET	
	DC160-03-17.500F0-			51	123	73	48	18	WJ30ET	
	DC160-03-17.600F0-			51	123	73	48	18	WJ30ET	
	DC160-03-17.700F0-			51	123	73	48	18	WJ30ET	
	DC160-03-17.800F0-			51	123	73	48	18	WJ30ET	
	DC160-03-18.000F0-			51	123	73	48	18	WJ30ET	
	DC160-03-18.200F0-			55	131	79	50	20	WJ30ET	

Ordering example for the WJ30ET grade: DC160-03-03.000A0-WJ30ET

Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HE								
	DC160-03-18.500F0-	18,5		55	131	79	50	20	☺
	DC160-03-18.700F0-	18,7		55	131	79	50	20	☺
	DC160-03-18.800F0-	18,8		55	131	79	50	20	☺
	DC160-03-19.000F0-	19		55	131	79	50	20	☺
	DC160-03-19.500F0-	19,5		55	131	79	50	20	☺
	DC160-03-19.700F0-	19,7		55	131	79	50	20	☺
	DC160-03-19.800F0-	19,8		55	131	79	50	20	☺
DC160-03-20.000F0-	20		55	131	79	50	20	☺	

Ordering example for the WJ30ET grade: DC160-03-03.000A0-WJ30ET

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

machining conditions

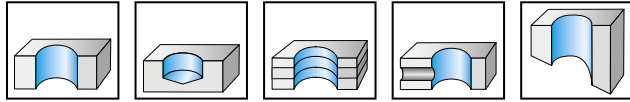
•• Primary application

• Other application

Solid carbide twist drills

DC160 Advance

X-treme Evo



Shank DIN 6535 HA	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	DC160-05-03.000A0-	3		23	66	28	36	6	●
	DC160-05-03.100A0-	3,1		23	66	28	36	6	●
	DC160-05-03.175A0-	3,175	1/8"	23	66	28	36	6	●
	DC160-05-03.200A0-	3,2		23	66	28	36	6	●
	DC160-05-03.250A0-	3,25		23	66	28	36	6	●
	DC160-05-03.300A0-	3,3		23	66	28	36	6	●
	DC160-05-03.400A0-	3,4		23	66	28	36	6	●
	DC160-05-03.500A0-	3,5		23	66	28	36	6	●
	DC160-05-03.572A0-	3,572	9/64"	23	66	28	36	6	●
	DC160-05-03.600A0-	3,6		23	66	28	36	6	●
	DC160-05-03.650A0-	3,65		23	66	28	36	6	●
	DC160-05-03.700A0-	3,7		23	66	28	36	6	●
	DC160-05-03.800A0-	3,8		29	74	36	36	6	●
	DC160-05-03.900A0-	3,9		29	74	36	36	6	●
	DC160-05-03.969A0-	3,969	5/32"	29	74	36	36	6	●
	DC160-05-04.000A0-	4		29	74	36	36	6	●
	DC160-05-04.100A0-	4,1		29	74	36	36	6	●
	DC160-05-04.200A0-	4,2		29	74	36	36	6	●
	DC160-05-04.300A0-	4,3		29	74	36	36	6	●
	DC160-05-04.366A0-	4,366	11/64"	29	74	36	36	6	●
	DC160-05-04.400A0-	4,4		29	74	36	36	6	●
	DC160-05-04.500A0-	4,5		29	74	36	36	6	●
	DC160-05-04.600A0-	4,6		29	74	36	36	6	●
	DC160-05-04.650A0-	4,65		29	74	36	36	6	●
	DC160-05-04.700A0-	4,7		29	74	36	36	6	●
	DC160-05-04.763A0-	4,763	3/16"	35	82	44	36	6	●
	DC160-05-04.800A0-	4,8		35	82	44	36	6	●
	DC160-05-04.900A0-	4,9		35	82	44	36	6	●
	DC160-05-05.000A0-	5		35	82	44	36	6	●
	DC160-05-05.100A0-	5,1		35	82	44	36	6	●
	DC160-05-05.159A0-	5,159	13/64"	35	82	44	36	6	●
	DC160-05-05.200A0-	5,2		35	82	44	36	6	●
	DC160-05-05.300A0-	5,3		35	82	44	36	6	●
	DC160-05-05.400A0-	5,4		35	82	44	36	6	●
	DC160-05-05.500A0-	5,5		35	82	44	36	6	●
	DC160-05-05.550A0-	5,55		35	82	44	36	6	●
	DC160-05-05.556A0-	5,556	7/32"	35	82	44	36	6	●
	DC160-05-05.600A0-	5,6		35	82	44	36	6	●
	DC160-05-05.700A0-	5,7		35	82	44	36	6	●
	DC160-05-05.800A0-	5,8		35	82	44	36	6	●
	DC160-05-05.900A0-	5,9		35	82	44	36	6	●
	DC160-05-05.953A0-	5,953	15/64"	35	82	44	36	6	●
	DC160-05-06.000A0-	6		35	82	44	36	6	●
	DC160-05-06.100A0-	6,1		43	91	53	36	8	●
	DC160-05-06.200A0-	6,2		43	91	53	36	8	●
	DC160-05-06.300A0-	6,3		43	91	53	36	8	●
	DC160-05-06.350A0-	6,35	1/4"	43	91	53	36	8	●

Ordering example for the WJ30ET grade: DC160-05-03.000A0-WJ30ET

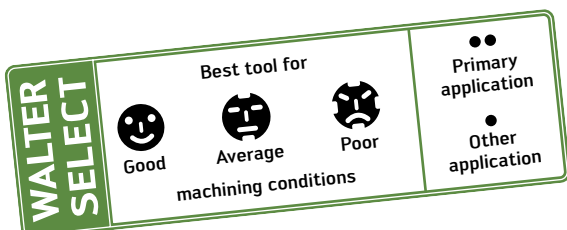
Continued

Continued

		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
Shank DIN 6535 HA 	DC160-05-06.400A0-	6,4		43	91	53	36	8	☺
	DC160-05-06.500A0-	6,5		43	91	53	36	8	☺
	DC160-05-06.600A0-	6,6		43	91	53	36	8	☺
	DC160-05-06.700A0-	6,7		43	91	53	36	8	☺
	DC160-05-06.747A0-	6,747	17/64"	43	91	53	36	8	☺
	DC160-05-06.800A0-	6,8		43	91	53	36	8	☺
	DC160-05-06.900A0-	6,9		43	91	53	36	8	☺
	DC160-05-07.000A0-	7		43	91	53	36	8	☺
	DC160-05-07.100A0-	7,1		43	91	53	36	8	☺
	DC160-05-07.144A0-	7,144	9/32"	43	91	53	36	8	☺
	DC160-05-07.200A0-	7,2		43	91	53	36	8	☺
	DC160-05-07.300A0-	7,3		43	91	53	36	8	☺
	DC160-05-07.400A0-	7,4		43	91	53	36	8	☺
	DC160-05-07.500A0-	7,5		43	91	53	36	8	☺
	DC160-05-07.541A0-	7,541	19/64"	43	91	53	36	8	☺
	DC160-05-07.550A0-	7,55		43	91	53	36	8	☺
	DC160-05-07.600A0-	7,6		43	91	53	36	8	☺
	DC160-05-07.700A0-	7,7		43	91	53	36	8	☺
	DC160-05-07.800A0-	7,8		43	91	53	36	8	☺
	DC160-05-07.900A0-	7,9		43	91	53	36	8	☺
	DC160-05-07.938A0-	7,938	5/16"	43	91	53	36	8	☺
	DC160-05-08.000A0-	8		43	91	53	36	8	☺
	DC160-05-08.100A0-	8,1		49	103	61	40	10	☺
	DC160-05-08.200A0-	8,2		49	103	61	40	10	☺
	DC160-05-08.300A0-	8,3		49	103	61	40	10	☺
	DC160-05-08.334A0-	8,334	21/64"	49	103	61	40	10	☺
	DC160-05-08.400A0-	8,4		49	103	61	40	10	☺
	DC160-05-08.500A0-	8,5		49	103	61	40	10	☺
	DC160-05-08.600A0-	8,6		49	103	61	40	10	☺
	DC160-05-08.700A0-	8,7		49	103	61	40	10	☺
	DC160-05-08.731A0-	8,731	11/32"	49	103	61	40	10	☺
	DC160-05-08.800A0-	8,8		49	103	61	40	10	☺
	DC160-05-08.900A0-	8,9		49	103	61	40	10	☺
	DC160-05-09.000A0-	9		49	103	61	40	10	☺
	DC160-05-09.100A0-	9,1		49	103	61	40	10	☺
DC160-05-09.128A0-	9,128	23/64"	49	103	61	40	10	☺	
DC160-05-09.300A0-	9,3		49	103	61	40	10	☺	
DC160-05-09.400A0-	9,4		49	103	61	40	10	☺	
DC160-05-09.500A0-	9,5		49	103	61	40	10	☺	
DC160-05-09.525A0-	9,525	3/8"	49	103	61	40	10	☺	
DC160-05-09.550A0-	9,55		49	103	61	40	10	☺	
DC160-05-09.600A0-	9,6		49	103	61	40	10	☺	
DC160-05-09.700A0-	9,7		49	103	61	40	10	☺	
DC160-05-09.800A0-	9,8		49	103	61	40	10	☺	
DC160-05-09.900A0-	9,9		49	103	61	40	10	☺	
DC160-05-09.922A0-	9,922	25/64"	49	103	61	40	10	☺	
DC160-05-10.000A0-	10		49	103	61	40	10	☺	
DC160-05-10.100A0-	10,1		56	118	71	45	12	☺	
DC160-05-10.200A0-	10,2		56	118	71	45	12	☺	
DC160-05-10.300A0-	10,3		56	118	71	45	12	☺	
DC160-05-10.319A0-	10,319	13/32"	56	118	71	45	12	☺	
DC160-05-10.400A0-	10,4		56	118	71	45	12	☺	
DC160-05-10.500A0-	10,5		56	118	71	45	12	☺	
DC160-05-10.600A0-	10,6		56	118	71	45	12	☺	
DC160-05-10.700A0-	10,7		56	118	71	45	12	☺	
DC160-05-10.716A0-	10,716	27/64"	56	118	71	45	12	☺	
DC160-05-10.800A0-	10,8		56	118	71	45	12	☺	

Ordering example for the WJ30ET grade: DC160-05-03.000A0-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HA								
	DC160-05-10.900A0-	10,9		56	118	71	45	12	WJ30ET
	DC160-05-11.000A0-	11		56	118	71	45	12	WJ30ET
	DC160-05-11.100A0-	11,1		56	118	71	45	12	WJ30ET
	DC160-05-11.113A0-	11,113	7/16"	56	118	71	45	12	WJ30ET
	DC160-05-11.200A0-	11,2		56	118	71	45	12	WJ30ET
	DC160-05-11.400A0-	11,4		56	118	71	45	12	WJ30ET
	DC160-05-11.500A0-	11,5		56	118	71	45	12	WJ30ET
	DC160-05-11.509A0-	11,509	29/64"	56	118	71	45	12	WJ30ET
	DC160-05-11.550A0-	11,55		56	118	71	45	12	WJ30ET
	DC160-05-11.600A0-	11,6		56	118	71	45	12	WJ30ET
	DC160-05-11.700A0-	11,7		56	118	71	45	12	WJ30ET
	DC160-05-11.800A0-	11,8		56	118	71	45	12	WJ30ET
	DC160-05-11.906A0-	11,906	15/32"	56	118	71	45	12	WJ30ET
	DC160-05-12.000A0-	12		56	118	71	45	12	WJ30ET
	DC160-05-12.100A0-	12,1		60	124	77	45	14	WJ30ET
	DC160-05-12.200A0-	12,2		60	124	77	45	14	WJ30ET
	DC160-05-12.250A0-	12,25		60	124	77	45	14	WJ30ET
	DC160-05-12.300A0-	12,3		60	124	77	45	14	WJ30ET
	DC160-05-12.400A0-	12,4		60	124	77	45	14	WJ30ET
	DC160-05-12.500A0-	12,5		60	124	77	45	14	WJ30ET
	DC160-05-12.600A0-	12,6		60	124	77	45	14	WJ30ET
	DC160-05-12.700A0-	12,7	1/2"	60	124	77	45	14	WJ30ET
	DC160-05-12.750A0-	12,75		60	124	77	45	14	WJ30ET
	DC160-05-12.800A0-	12,8		60	124	77	45	14	WJ30ET
	DC160-05-12.900A0-	12,9		60	124	77	45	14	WJ30ET
	DC160-05-13.000A0-	13		60	124	77	45	14	WJ30ET
	DC160-05-13.100A0-	13,1		60	124	77	45	14	WJ30ET
	DC160-05-13.200A0-	13,2		60	124	77	45	14	WJ30ET
	DC160-05-13.300A0-	13,3		60	124	77	45	14	WJ30ET
	DC160-05-13.400A0-	13,4		60	124	77	45	14	WJ30ET
	DC160-05-13.494A0-	13,494	17/32"	60	124	77	45	14	WJ30ET
	DC160-05-13.500A0-	13,5		60	124	77	45	14	WJ30ET
	DC160-05-13.600A0-	13,6		60	124	77	45	14	WJ30ET
DC160-05-13.700A0-	13,7		60	124	77	45	14	WJ30ET	
DC160-05-13.800A0-	13,8		60	124	77	45	14	WJ30ET	
DC160-05-13.900A0-	13,9		60	124	77	45	14	WJ30ET	
DC160-05-14.000A0-	14		60	124	77	45	14	WJ30ET	
DC160-05-14.100A0-	14,1		63	133	83	48	16	WJ30ET	
DC160-05-14.200A0-	14,2		63	133	83	48	16	WJ30ET	
DC160-05-14.288A0-	14,288	9/16"	63	133	83	48	16	WJ30ET	
DC160-05-14.500A0-	14,5		63	133	83	48	16	WJ30ET	
DC160-05-14.600A0-	14,6		63	133	83	48	16	WJ30ET	
DC160-05-14.700A0-	14,7		63	133	83	48	16	WJ30ET	
DC160-05-14.750A0-	14,75		63	133	83	48	16	WJ30ET	
DC160-05-14.800A0-	14,8		63	133	83	48	16	WJ30ET	
DC160-05-15.000A0-	15		63	133	83	48	16	WJ30ET	
DC160-05-15.100A0-	15,1		63	133	83	48	16	WJ30ET	
DC160-05-15.200A0-	15,2		63	133	83	48	16	WJ30ET	
DC160-05-15.300A0-	15,3		63	133	83	48	16	WJ30ET	
DC160-05-15.500A0-	15,5		63	133	83	48	16	WJ30ET	
DC160-05-15.700A0-	15,7		63	133	83	48	16	WJ30ET	
DC160-05-15.800A0-	15,8		63	133	83	48	16	WJ30ET	
DC160-05-15.875A0-	15,875	5/8"	63	133	83	48	16	WJ30ET	
DC160-05-15.900A0-	15,9		63	133	83	48	16	WJ30ET	
DC160-05-16.000A0-	16		63	133	83	48	16	WJ30ET	
DC160-05-16.100A0-	16,1		71	143	93	48	18	WJ30ET	
DC160-05-16.300A0-	16,3		71	143	93	48	18	WJ30ET	
DC160-05-16.500A0-	16,5		71	143	93	48	18	WJ30ET	
DC160-05-16.600A0-	16,6		71	143	93	48	18	WJ30ET	
DC160-05-16.700A0-	16,7		71	143	93	48	18	WJ30ET	
DC160-05-16.750A0-	16,75		71	143	93	48	18	WJ30ET	

Ordering example for the WJ30ET grade: DC160-05-03.000A0-WJ30ET

Continued

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
Shank DIN 6535 HA 	DC160-05-16.800A0-	16,8		71	143	93	48	18	☺
	DC160-05-17.000A0-	17		71	143	93	48	18	☺
	DC160-05-17.500A0-	17,5		71	143	93	48	18	☺
	DC160-05-17.700A0-	17,7		71	143	93	48	18	☺
	DC160-05-17.800A0-	17,8		71	143	93	48	18	☺
	DC160-05-18.000A0-	18		71	143	93	48	18	☺
	DC160-05-18.200A0-	18,2		77	153	101	50	20	☺
	DC160-05-18.700A0-	18,7		77	153	101	50	20	☺
	DC160-05-18.800A0-	18,8		77	153	101	50	20	☺
	DC160-05-19.000A0-	19		77	153	101	50	20	☺
	DC160-05-19.050A0-	19,05	3/4"	77	153	101	50	20	☺
	DC160-05-20.000A0-	20		77	153	101	50	20	☺
	DC160-05-20.500A0-	20,5		86	166	108	56	25	☺
	DC160-05-21.000A0-	21		86	166	108	56	25	☺
	DC160-05-21.500A0-	21,5		86	166	108	56	25	☺
	DC160-05-22.000A0-	22		86	166	108	56	25	☺
	DC160-05-22.500A0-	22,5		91	173	115	56	25	☺
	DC160-05-23.000A0-	23		91	173	115	56	25	☺
	DC160-05-23.500A0-	23,5		91	173	115	56	25	☺
	DC160-05-24.000A0-	24		91	173	115	56	25	☺
DC160-05-24.500A0-	24,5		97	180	122	56	25	☺	
DC160-05-25.000A0-	25		97	180	122	56	25	☺	
Shank DIN 6535 HE 	DC160-05-03.000F0-	3		23	66	28	36	6	☺
	DC160-05-03.100F0-	3,1		23	66	28	36	6	☺
	DC160-05-03.200F0-	3,2		23	66	28	36	6	☺
	DC160-05-03.250F0-	3,25		23	66	28	36	6	☺
	DC160-05-03.300F0-	3,3		23	66	28	36	6	☺
	DC160-05-03.400F0-	3,4		23	66	28	36	6	☺
	DC160-05-03.500F0-	3,5		23	66	28	36	6	☺
	DC160-05-03.600F0-	3,6		23	66	28	36	6	☺
	DC160-05-03.650F0-	3,65		23	66	28	36	6	☺
	DC160-05-03.700F0-	3,7		23	66	28	36	6	☺
	DC160-05-03.800F0-	3,8		29	74	36	36	6	☺
	DC160-05-03.900F0-	3,9		29	74	36	36	6	☺
	DC160-05-04.000F0-	4		29	74	36	36	6	☺
	DC160-05-04.100F0-	4,1		29	74	36	36	6	☺
	DC160-05-04.200F0-	4,2		29	74	36	36	6	☺
	DC160-05-04.300F0-	4,3		29	74	36	36	6	☺
	DC160-05-04.400F0-	4,4		29	74	36	36	6	☺
	DC160-05-04.500F0-	4,5		29	74	36	36	6	☺
	DC160-05-04.600F0-	4,6		29	74	36	36	6	☺
	DC160-05-04.650F0-	4,65		29	74	36	36	6	☺
	DC160-05-04.700F0-	4,7		29	74	36	36	6	☺
	DC160-05-04.800F0-	4,8		35	82	44	36	6	☺
	DC160-05-04.900F0-	4,9		35	82	44	36	6	☺
	DC160-05-05.000F0-	5		35	82	44	36	6	☺
	DC160-05-05.100F0-	5,1		35	82	44	36	6	☺
	DC160-05-05.200F0-	5,2		35	82	44	36	6	☺
	DC160-05-05.300F0-	5,3		35	82	44	36	6	☺
	DC160-05-05.400F0-	5,4		35	82	44	36	6	☺
	DC160-05-05.500F0-	5,5		35	82	44	36	6	☺
	DC160-05-05.550F0-	5,55		35	82	44	36	6	☺
	DC160-05-05.600F0-	5,6		35	82	44	36	6	☺
	DC160-05-05.700F0-	5,7		35	82	44	36	6	☺
DC160-05-05.800F0-	5,8		35	82	44	36	6	☺	
DC160-05-05.900F0-	5,9		35	82	44	36	6	☺	
DC160-05-06.000F0-	6		35	82	44	36	6	☺	

Ordering example for the WJ30ET grade: DC160-05-03.000A0-WJ30ET

Continued

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹☹
Poor

machining conditions

•• Primary application

• Other application

Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	DC160-05-06.100F0-	6,1		43	91	53	36	8	WJ30ET
	DC160-05-06.200F0-	6,2		43	91	53	36	8	WJ30ET
	DC160-05-06.300F0-	6,3		43	91	53	36	8	WJ30ET
	DC160-05-06.400F0-	6,4		43	91	53	36	8	WJ30ET
	DC160-05-06.500F0-	6,5		43	91	53	36	8	WJ30ET
	DC160-05-06.600F0-	6,6		43	91	53	36	8	WJ30ET
	DC160-05-06.700F0-	6,7		43	91	53	36	8	WJ30ET
	DC160-05-06.800F0-	6,8		43	91	53	36	8	WJ30ET
	DC160-05-06.900F0-	6,9		43	91	53	36	8	WJ30ET
	DC160-05-07.000F0-	7		43	91	53	36	8	WJ30ET
	DC160-05-07.100F0-	7,1		43	91	53	36	8	WJ30ET
	DC160-05-07.200F0-	7,2		43	91	53	36	8	WJ30ET
	DC160-05-07.300F0-	7,3		43	91	53	36	8	WJ30ET
	DC160-05-07.400F0-	7,4		43	91	53	36	8	WJ30ET
	DC160-05-07.500F0-	7,5		43	91	53	36	8	WJ30ET
	DC160-05-07.550F0-	7,55		43	91	53	36	8	WJ30ET
	DC160-05-07.600F0-	7,6		43	91	53	36	8	WJ30ET
	DC160-05-07.700F0-	7,7		43	91	53	36	8	WJ30ET
	DC160-05-07.800F0-	7,8		43	91	53	36	8	WJ30ET
	DC160-05-07.900F0-	7,9		43	91	53	36	8	WJ30ET
	DC160-05-08.000F0-	8		43	91	53	36	8	WJ30ET
	DC160-05-08.100F0-	8,1		49	103	61	40	10	WJ30ET
	DC160-05-08.200F0-	8,2		49	103	61	40	10	WJ30ET
	DC160-05-08.300F0-	8,3		49	103	61	40	10	WJ30ET
	DC160-05-08.400F0-	8,4		49	103	61	40	10	WJ30ET
	DC160-05-08.500F0-	8,5		49	103	61	40	10	WJ30ET
	DC160-05-08.600F0-	8,6		49	103	61	40	10	WJ30ET
	DC160-05-08.700F0-	8,7		49	103	61	40	10	WJ30ET
	DC160-05-08.800F0-	8,8		49	103	61	40	10	WJ30ET
	DC160-05-08.900F0-	8,9		49	103	61	40	10	WJ30ET
	DC160-05-09.000F0-	9		49	103	61	40	10	WJ30ET
	DC160-05-09.100F0-	9,1		49	103	61	40	10	WJ30ET
	DC160-05-09.200F0-	9,2		49	103	61	40	10	WJ30ET
	DC160-05-09.300F0-	9,3		49	103	61	40	10	WJ30ET
DC160-05-09.400F0-	9,4		49	103	61	40	10	WJ30ET	
DC160-05-09.500F0-	9,5		49	103	61	40	10	WJ30ET	
DC160-05-09.550F0-	9,55		49	103	61	40	10	WJ30ET	
DC160-05-09.600F0-	9,6		49	103	61	40	10	WJ30ET	
DC160-05-09.700F0-	9,7		49	103	61	40	10	WJ30ET	
DC160-05-09.800F0-	9,8		49	103	61	40	10	WJ30ET	
DC160-05-09.900F0-	9,9		49	103	61	40	10	WJ30ET	
DC160-05-10.000F0-	10		49	103	61	40	10	WJ30ET	
DC160-05-10.100F0-	10,1		56	118	71	45	12	WJ30ET	
DC160-05-10.200F0-	10,2		56	118	71	45	12	WJ30ET	
DC160-05-10.300F0-	10,3		56	118	71	45	12	WJ30ET	
DC160-05-10.400F0-	10,4		56	118	71	45	12	WJ30ET	
DC160-05-10.500F0-	10,5		56	118	71	45	12	WJ30ET	
DC160-05-10.600F0-	10,6		56	118	71	45	12	WJ30ET	
DC160-05-10.700F0-	10,7		56	118	71	45	12	WJ30ET	
DC160-05-10.800F0-	10,8		56	118	71	45	12	WJ30ET	
DC160-05-10.900F0-	10,9		56	118	71	45	12	WJ30ET	
DC160-05-11.000F0-	11		56	118	71	45	12	WJ30ET	
DC160-05-11.100F0-	11,1		56	118	71	45	12	WJ30ET	
DC160-05-11.200F0-	11,2		56	118	71	45	12	WJ30ET	
DC160-05-11.300F0-	11,3		56	118	71	45	12	WJ30ET	
DC160-05-11.400F0-	11,4		56	118	71	45	12	WJ30ET	
DC160-05-11.500F0-	11,5		56	118	71	45	12	WJ30ET	
DC160-05-11.550F0-	11,55		56	118	71	45	12	WJ30ET	
DC160-05-11.600F0-	11,6		56	118	71	45	12	WJ30ET	
DC160-05-11.700F0-	11,7		56	118	71	45	12	WJ30ET	
DC160-05-11.800F0-	11,8		56	118	71	45	12	WJ30ET	

Ordering example for the WJ30ET grade: DC160-05-03.000A0-WJ30ET

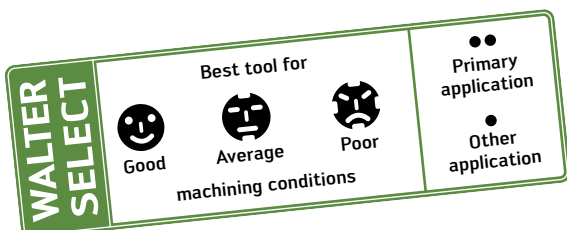
Continued

Continued

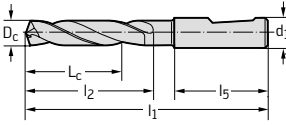






















		D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET	
	Shank DIN 6535 HE	DC160-05-11.900F0-		56	118	71	45	12	☺	
		DC160-05-12.000F0-		56	118	71	45	12	☺	
		DC160-05-12.100F0-		60	124	77	45	14	☺	
		DC160-05-12.200F0-		60	124	77	45	14	☺	
		DC160-05-12.250F0-		60	124	77	45	14	☺	
		DC160-05-12.300F0-		60	124	77	45	14	☺	
		DC160-05-12.400F0-		60	124	77	45	14	☺	
		DC160-05-12.500F0-		60	124	77	45	14	☺	
		DC160-05-12.600F0-		60	124	77	45	14	☺	
		DC160-05-12.700F0-		1/2"	60	124	77	45	14	☺
		DC160-05-12.750F0-		60	124	77	45	14	☺	
		DC160-05-12.800F0-		60	124	77	45	14	☺	
		DC160-05-12.900F0-		60	124	77	45	14	☺	
		DC160-05-13.000F0-		60	124	77	45	14	☺	
		DC160-05-13.100F0-		60	124	77	45	14	☺	
		DC160-05-13.200F0-		60	124	77	45	14	☺	
		DC160-05-13.300F0-		60	124	77	45	14	☺	
		DC160-05-13.400F0-		60	124	77	45	14	☺	
		DC160-05-13.500F0-		60	124	77	45	14	☺	
		DC160-05-13.600F0-		60	124	77	45	14	☺	
		DC160-05-13.700F0-		60	124	77	45	14	☺	
		DC160-05-13.800F0-		60	124	77	45	14	☺	
		DC160-05-13.900F0-		60	124	77	45	14	☺	
		DC160-05-14.000F0-		60	124	77	45	14	☺	
		DC160-05-14.100F0-		63	133	83	48	16	☺	
		DC160-05-14.200F0-		63	133	83	48	16	☺	
		DC160-05-14.300F0-		63	133	83	48	16	☺	
		DC160-05-14.400F0-		63	133	83	48	16	☺	
		DC160-05-14.500F0-		63	133	83	48	16	☺	
		DC160-05-14.600F0-		63	133	83	48	16	☺	
		DC160-05-14.700F0-		63	133	83	48	16	☺	
		DC160-05-14.750F0-		63	133	83	48	16	☺	
		DC160-05-14.800F0-		63	133	83	48	16	☺	
		DC160-05-15.000F0-		63	133	83	48	16	☺	
		DC160-05-15.100F0-		63	133	83	48	16	☺	
	DC160-05-15.200F0-		63	133	83	48	16	☺		
	DC160-05-15.300F0-		63	133	83	48	16	☺		
	DC160-05-15.500F0-		63	133	83	48	16	☺		
	DC160-05-15.600F0-		63	133	83	48	16	☺		
	DC160-05-15.700F0-		63	133	83	48	16	☺		
	DC160-05-15.800F0-		63	133	83	48	16	☺		
	DC160-05-15.900F0-		63	133	83	48	16	☺		
	DC160-05-16.000F0-		63	133	83	48	16	☺		
	DC160-05-16.100F0-		71	143	93	48	18	☺		
	DC160-05-16.200F0-		71	143	93	48	18	☺		
	DC160-05-16.300F0-		71	143	93	48	18	☺		
	DC160-05-16.400F0-		71	143	93	48	18	☺		
	DC160-05-16.500F0-		71	143	93	48	18	☺		
	DC160-05-16.600F0-		71	143	93	48	18	☺		
	DC160-05-16.700F0-		71	143	93	48	18	☺		
	DC160-05-16.750F0-		71	143	93	48	18	☺		
	DC160-05-16.800F0-		71	143	93	48	18	☺		
	DC160-05-17.000F0-		71	143	93	48	18	☺		
	DC160-05-17.200F0-		71	143	93	48	18	☺		
	DC160-05-17.300F0-		71	143	93	48	18	☺		
	DC160-05-17.500F0-		71	143	93	48	18	☺		
	DC160-05-17.600F0-		71	143	93	48	18	☺		

Ordering example for the WJ30ET grade: DC160-05-03.000A0-WJ30ET

Continued



Continued

	Designation	D _c m7 mm	D _c Inch/No.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ET
	Shank DIN 6535 HE								
	DC160-05-17.700F0-	17,7		71	143	93	48	18	
	DC160-05-17.800F0-	17,8		71	143	93	48	18	
	DC160-05-18.000F0-	18		71	143	93	48	18	
	DC160-05-18.200F0-	18,2		77	153	101	50	20	
	DC160-05-18.500F0-	18,5		77	153	101	50	20	
	DC160-05-18.700F0-	18,7		77	153	101	50	20	
	DC160-05-18.800F0-	18,8		77	153	101	50	20	
	DC160-05-19.000F0-	19		77	153	101	50	20	
	DC160-05-19.500F0-	19,5		77	153	101	50	20	
	DC160-05-19.700F0-	19,7		77	153	101	50	20	
	DC160-05-19.800F0-	19,8		77	153	101	50	20	
	DC160-05-20.000F0-	20		77	153	101	50	20	
	DC160-05-20.500F0-	20,5		86	166	108	56	25	
	DC160-05-21.000F0-	21		86	166	108	56	25	
	DC160-05-21.500F0-	21,5		86	166	108	56	25	
	DC160-05-22.000F0-	22		86	166	108	56	25	
	DC160-05-22.500F0-	22,5		91	173	115	56	25	
	DC160-05-23.000F0-	23		91	173	115	56	25	
	DC160-05-23.500F0-	23,5		91	173	115	56	25	
	DC160-05-24.000F0-	24		91	173	115	56	25	
	DC160-05-24.500F0-	24,5		97	180	122	56	25	
	DC160-05-25.000F0-	25		97	180	122	56	25	

Ordering example for the WJ30ET grade: DC160-05-03.000A0-WJ30ET

Product range overview – Drilling tools with indexable inserts

Indexable insert drills

Drilling depth	2,5 x D _c	1,3 x D _c	3 x D _c	5 x D _c	7 x D _c	10 x D _c
Designation	D4240-02	D4140-01	D4140-03	D4140-05	D4140-07	D4140-10
Dia. range [mm]	12–29	0	0	0	0	0

Drilling depth	2 x D _c	3 x D _c	4 x D _c	5 x D _c	3 x D _c	2 x D _c
Designation	D4120-02	D4120-03	D4120-04	D4120-05	D4170-03	D3120-02
Dia. range [mm]	13,5–59	13,5–59	17–59	17–59	65–80	16–42

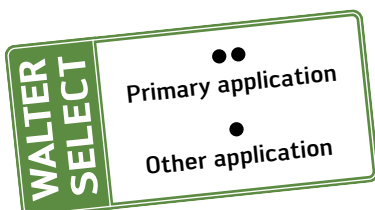
Drilling depth	3 x D _c	4 x D _c
Designation	D3120-03	D3120-04
Dia. range [mm]	16–58	16–42

Walter Select drilling tools with indexable inserts

Indexable insert drills

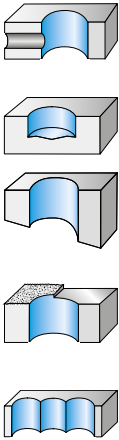



Drilling depth	2,5 x D _c	1,3 x D _c	3 x D _c	5 x D _c	7 x D _c	
Designation	D4240-02	D4140-01	D4140-03	D4140-05	D4140-07	
Dia. range [mm]	0	12–25	12–37	12–37	12–37	
P Steel	••	••	••	••	••	
M Stainless steel	••	••	••	••	•	
K Cast iron	••	••	••	••	••	
N NF metals	••	••	••	••	••	
S Materials with difficult cutting properties	••	••	••	•	•	
H Hard materials						
O Other						
Indexable inserts						
Type	P600 . -D12, .. TCMT110208 P600 . -D14, .. P600 . -D15,	P600 . -D12, .. P600 . -D13, .. P600 . -D14, .. P600 . -D15,	P600 . -D12, .. P600 . -D13, .. P600 . -D14, .. P600 . -D15,	P600 . -D12, .. P600 . -D13, .. P600 . -D14, .. P600 . -D15,	P600 . -D12, .. P600 . -D13, .. P600 . -D14, .. P600 . -D15,	

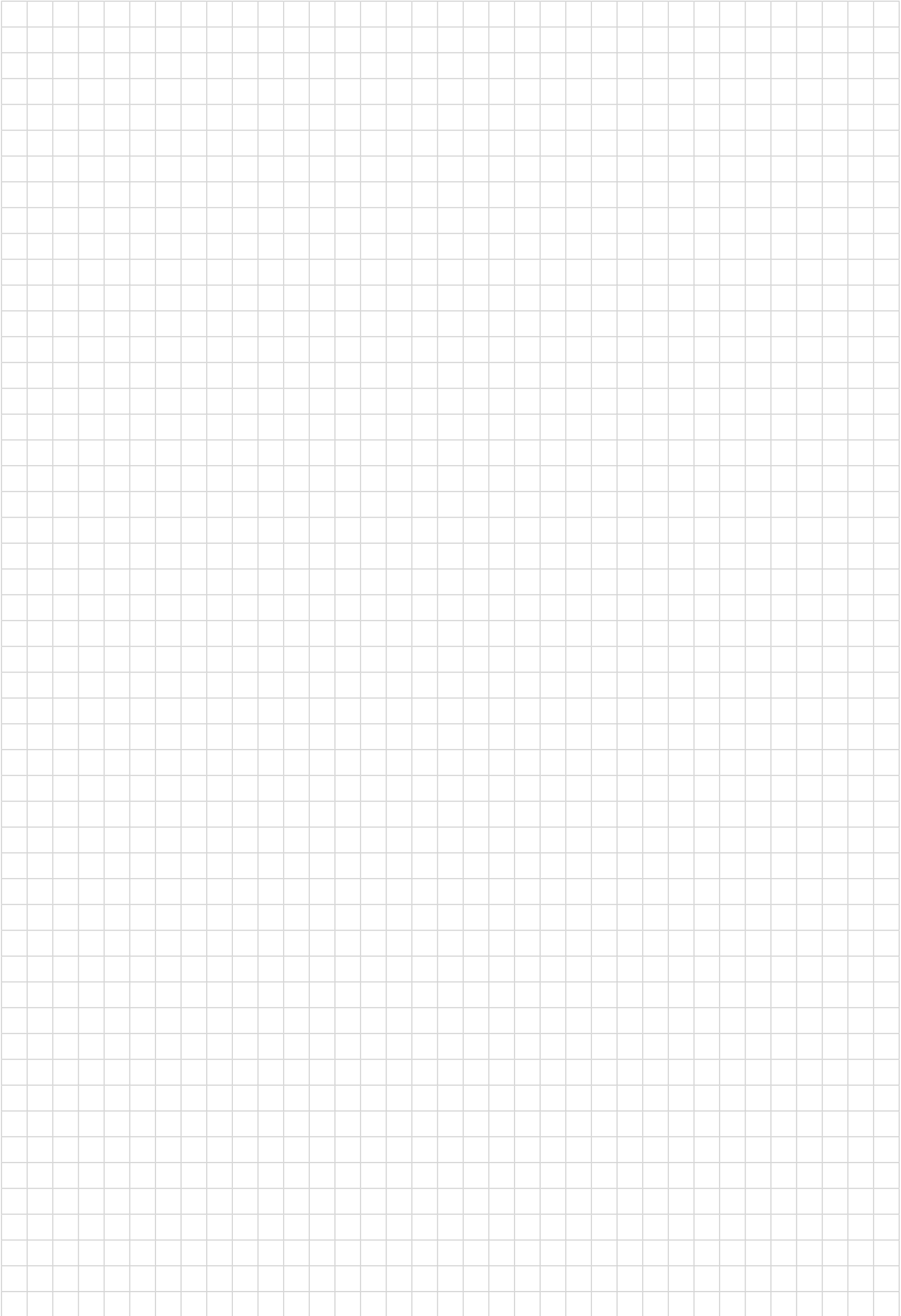
	10 x D _c	2 x D _c	3 x D _c	4 x D _c	5 x D _c	3 x D _c	2 x D _c
	D4140-10	D4120-02	D4120-03	D4120-04	D4120-05	D4170-03	D3120-02
	12-25	0	0	0	0	0	0
	••	••	••	••	••	••	••
	•	••	••	•		••	•
	••	••	••	••	••	••	••
	••	•	•	•	•	•	••
	•	••	••	•		••	•
	P600 . -D12. .. P600 . -D13. .. P600 . -D14. .. P600 . -D15.	P484 . P-1R- .. P484 . C-1R- .. P484 . P-2R- .. P484 . C-2R-	P484 . P-1R- .. P484 . C-1R- .. P484 . P-2R- .. P484 . C-2R-	P484 . P-2R- .. P484 . C-2R- .. P484 . P-3R- .. P484 . C-3R-	P484 . P-2R- .. P484 . C-2R- .. P484 . P-3R- .. P484 . C-3R-	P484 . P-5R- .. P484 . C-5R- .. P484 . P-6R- .. P484 . C-6R-	P284 . S-1N- .. P284 . S-2N- .. P284 . S-3N- .. P284 . S-4N-



Walter Select drilling tools with indexable inserts

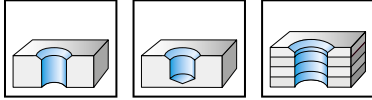
Indexable insert drills

		
Drilling depth	3 x D _c	4 x D _c
Designation	D3120-03	D3120-04
Dia. range [mm]	0	0
		
P Steel	● ●	● ●
M Stainless steel	●	●
K Cast iron	● ●	● ●
N NF metals	● ●	● ●
S Materials with difficult cutting properties	●	●
H Hard materials		
O Other		
Indexable inserts		
Type	P284 . S-1N- .. P284 . S-2N- .. P284 . S-3N- .. P284 . S-4N-	P284 . S-1N- .. P284 . S-2N- .. P284 . S-3N- .. P284 . S-4N-



Indexable insert drills

D4240-02



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

	P	M	K	N	S	H	O
D4240-02	●	●	●	●	●		

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 indexable inserts	Seat size	Type
Cylindrical shank with flat 	D4240-02-12.00F20-A	12	23,7	35,2	68	50	20	30	0,22	1 2	A	P600 . -D12, ... TCMT110208
	D4240-02-14.00F20-B	14	25,7	40,6	76	50	20	30	0,26	1 2	B	P600 . -D14, ... TCMT110208
	D4240-02-15.00F20-B	15	26,7	46,7	80	50	20	30	0,25	1 2	B	P600 . -D15, ... TCMT110208
	D4240-02-17.00F20-C	17	28,7	48,6	88	50	20	30	0,30	1 2	C	P600 . -D17, ... TCMT110208
	D4240-02-19.00F20-D	19	30,7	52,5	96	50	20	30	0,34	1 2	D	P600 . -D19, ... TCMT110208
Cylindrical shank with flat 	D4240-02-21.00F20-E	21	32,7	55,3	104	50	20	30	0,37	1 2	E	P600 . -D21, ... TCMT110208
	D4240-02-24.00F25-G	24	43,4	61,4	117	56	25	35	0,63	1 2	G	P600 . -D24, ... TCM . 16T308
	D4240-02-26.00F25-H	26	45,4	66,7	125	56	25	35	0,68	1 2	H	P600 . -D26, ... TCM . 16T308
	D4240-02-29.00F32-J	29	48,4	72,3	138	60	32	42	1,08	1 2	J	P600 . -D29, ... TCM . 16T308

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	12	14–15	17	19	21	24	26	29	
	Clamping screw for P600 drill insert	FS1396 (Torx 7IP)	FS1397 (Torx 8IP)	FS1398 (Torx 8IP)	FS1399 (Torx 15IP)	FS1400 (Torx 20IP)	FS1402 (Torx 20IP)	FS1403 (Torx 25IP)	FS1404 (Torx 25IP)
	Tightening torque	1,2 Nm	2,0 Nm	2,0 Nm	4,0 Nm	5,0 Nm	5,0 Nm	5,5 Nm	5,5 Nm
	Clamping screw for TC.. chamfering insert	FS2061 (Torx 7IP)	FS2061 (Torx 7IP)	FS2061 (Torx 7IP)	FS2061 (Torx 7IP)	FS2061 (Torx 7IP)	FS2063 (Torx 15IP)	FS2063 (Torx 15IP)	FS2063 (Torx 15IP)
	Tightening torque	0,9 Nm	0,9 Nm	0,9 Nm	0,9 Nm	0,9 Nm	3,0 Nm	3,0 Nm	3,0 Nm

Accessories

D _c [mm]	12	14–17	19	21–24	26–29
	Torque screwdriver, analogue	FS2001	FS2003	FS2003	FS2003
	Tightening torque	0,4–1,2 Nm	1,5–5,0 Nm	1,5–5,0 Nm	1,5–5,0 Nm
	Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
	Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)
	Screwdriver	FS2041	FS2049 (Torx 25IP)	FS1487 (Torx 25IP)	

Drill inserts

Designation	D _c mm	Seat size	P		M		K		N		S	
			HC	HC	HC	HC	HC	HC				
			WPP25	WPP45C	WMP35	WMP35	WKK45C	WNN25	WMP35			
P6001-D..	12–29,77	A–J	⊕									
P6003-D..	12–29,77	A–J			⊕	⊕						
P6004-D..	12–29,5	A–J						⊕				
P6005-D..	12–29,77	A–J					⊕					
P6006-D..	12–29,5	A–J	⊕									

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

Very good

Good

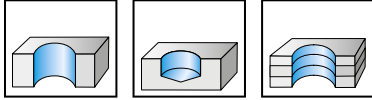
Moderate

•• Primary application

• Other application

Indexable insert drills

D4140-01



D_c 12- 25,99	$1,3 \times D_c$	140°	$Z=2$
-----------------------	------------------	-------------	-------

	P	M	K	N	S	H	O
D4140-01	●	●	●	●	●		

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

Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	12-13	14-15	16-17	18-19	20-21	22-23	24-25
	Clamping screw for drill insert	FS1396 (Torx 7IP)	FS1397 (Torx 8IP)	FS1398 (Torx 8IP)	FS1399 (Torx 15IP)	FS1400 (Torx 20IP)	FS1401 (Torx 20IP)	FS1402 (Torx 20IP)
	Tightening torque	1,2 Nm	2,0 Nm	2,0 Nm	4,0 Nm	5,0 Nm	5,0 Nm	5,0 Nm

Accessories

	D _c [mm]	12-13	14-17	18-19	20-25
	Torque screwdriver, analogue	FS2001	FS2003	FS2003	FS2003
	Tightening torque	0,4-1,2 Nm	1,5-5,0 Nm	1,5-5,0 Nm	1,5-5,0 Nm
	Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
	Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Drill inserts

	Designation	D _c mm	Seat size	P		M		K		N		S	
				HC	HC	HC	HC	HC	HC	HC	HC		
				WPP25	WPP45C	WMP35	WMP35	WKK45C	WNN25	WMP35			
	P6001-D..	12-25,8	A-G	☉									
	P6003-D..	12-25,8	A-G			☉	☉			☉			
	P6004-D..	12-25,5	A-G						☉				
	P6005-D..	12-25,8	A-G					☉					
	P6006-D..	12-25,8	A-G	☉									

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

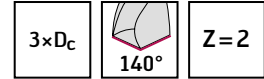
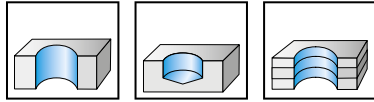
☹
Moderate

●● Primary application

● Other application

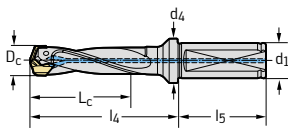
Indexable insert drills

D4140-03



Tool

Cylindrical shank with flat



Designation	D _c mm	L _c mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Seat size	Type
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	0,15	1	A	P600 . -D13, ..
D4140-03-14.00F16-B	14	45	76	48	16	20	0,15	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	0,50	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	0,53	1	H	P600 . -D27, ..
D4140-03-28.00F32-J	28	89	134	60	32	40	0,80	1	J	P600 . -D28, ..
D4140-03-29.00F32-J	29	92	138	60	32	40	0,86	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 . -D33,0 ..
D4140-03-34.00F40-N	34	108	158	70	40	50	1,37	1	N	P600 . -D34,0 ..
D4140-03-35.00F40-N	35	111	162	70	40	50	1,43	1	N	P600 . -D35,0 ..
D4140-03-36.00F40-P	36	115	166	70	40	50	1,46	1	P	P600 . -D36,0 ..
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 _c [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	FS1396 (Torx 7IP)	FS1397 (Torx 8IP)	FS1398 (Torx 8IP)	FS1399 (Torx 15IP)	FS1400 (Torx 20IP)	FS1401 (Torx 20IP)	FS1402 (Torx 20IP)	FS1403 (Torx 25IP)	FS1404 (Torx 25IP)	FS2159 (Torx 25IP)
Tightening torque	1,2 Nm	2,0 Nm	2,0 Nm	4,0 Nm	5,0 Nm	5,0 Nm	5,0 Nm	5,5 Nm	5,5 Nm	5,5 Nm

Accessories

D _c [mm]	12-13	14-17	18-19	20-25	26-37
Torque T-handle Tightening torque					FS2041 4,5-14 Nm
Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	
Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)	FS2049 (Torx 25IP)
Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)	FS1487 (Torx 25IP)

Drill inserts

Designation	D _c mm	Seat size	P		M		K		N		S	
			WPP25	WPP45C	WMP35	WMP35	WKK45C	WNN25	WMP35			
P6001-D..	12-37,99	A-P	☹	☹	☹	☹	☹	☹	☹	☹		
P6003-D..	12-37,99	A-P		☹	☹	☹	☹	☹	☹	☹		
P6004-D..	12-31,5	A-K							☹	☹		
P6005-D..	12-37,99	A-P						☹	☹	☹		
P6006-D..	12-37,99	A-P	☹									

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹
Very good

☹☹
Good

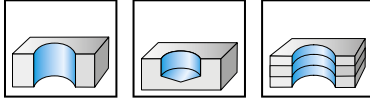
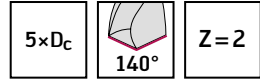
☹☹☹
Moderate

•• Primary application

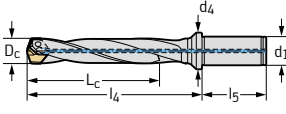
• Other application

Indexable insert drills

D4140-05



	P	M	K	N	S	H	O
D4140-05	●●	●●	●●	●●	●		

Tool	Designation	D _c mm	L _c mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Seat size	Type
Cylindrical shank with shoulder 	D4140-05-12.00A16-A	12	62	92	48	16	20	0,16	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	0,30	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	0,70	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, ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [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	FS1396 (Torx 7IP)	FS1397 (Torx 8IP)	FS1398 (Torx 8IP)	FS1399 (Torx 15IP)	FS1400 (Torx 20IP)	FS1401 (Torx 20IP)	FS1402 (Torx 20IP)	FS1403 (Torx 25IP)	FS1404 (Torx 25IP)	FS2159 (Torx 25IP)
Tightening torque	1,2 Nm	2,0 Nm	2,0 Nm	4,0 Nm	5,0 Nm	5,0 Nm	5,0 Nm	5,5 Nm	5,5 Nm	5,5 Nm

Accessories

D _c [mm]	12-13	14-17	18-19	20-25	26-37
Torque T-handle Tightening torque					FS2041 4,5-14 Nm
Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	
Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)	FS2049 (Torx 25IP)
Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)	FS1487 (Torx 25IP)

Drill inserts

Designation	D _c mm	Seat size	P		M		K		N		S	
			WPP25	WPP45C	WMP35	WMP35	WKK45C	WNN25	WMP35			
P6001-D..	12-31,99	A-K	☺	☺	☺	☺	☺	☺	☺	☺		
P6003-D..	12-31,99	A-K			☺	☺				☺		
P6004-D..	12-31,5	A-K							☺			
P6005-D..	12-31,99	A-K					☺					
P6006-D..	12-31,99	A-K	☺									

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

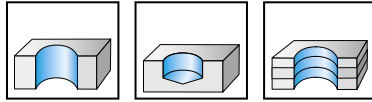
☹
Moderate

•• Primary application

• Other application

Indexable insert drills

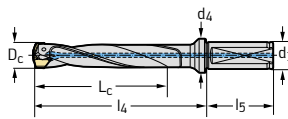
D4140-05



	P	M	K	N	S	H	O
D4140-05	●	●	●	●	●		

Tool

Cylindrical shank with flat



Designation	D _c mm	L _c mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Seat size	Type
D4140-05-12.00F16-A	12	62	92	48	16	20	0,15	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	0,17	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	0,26	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, ..
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	1,00	1	J	P600 . -D29, ..
D4140-05-30.00F32-K	30	155	202	60	32	40	1,06	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	1,56	1	M	P600 . -D33,0 ..
D4140-05-34.00F40-N	34	176	226	70	40	50	1,61	1	N	P600 . -D34,0 ..
D4140-05-35.00F40-N	35	181	232	70	40	50	1,66	1	N	P600 . -D35,0 ..
D4140-05-36.00F40-P	36	187	238	70	40	50	1,72	1	P	P600 . -D36,0 ..
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

Assembly parts

D _c [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	FS1396 (Torx 7IP)	FS1397 (Torx 8IP)	FS1398 (Torx 8IP)	FS1399 (Torx 15IP)	FS1400 (Torx 20IP)	FS1401 (Torx 20IP)	FS1402 (Torx 20IP)	FS1403 (Torx 25IP)	FS1404 (Torx 25IP)	FS2159 (Torx 25IP)
Tightening torque	1,2 Nm	2,0 Nm	2,0 Nm	4,0 Nm	5,0 Nm	5,0 Nm	5,0 Nm	5,5 Nm	5,5 Nm	5,5 Nm

Accessories

D _c [mm]	12-13	14-17	18-19	20-25	26-37
Torque T-handle Tightening torque					FS2041 4,5-14 Nm
Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	
Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)	FS2049 (Torx 25IP)
Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)	FS1487 (Torx 25IP)

Drill inserts

Designation	D _c mm	Seat size	P		M		K		N		S	
			WPP25	WPP45C	WMP35	WMP35	WKK45C	WNN25	WMP35			
P6001-D..	12-37,99	A-P	☹	☹	☹	☹	☹	☹	☹	☹		
P6003-D..	12-37,99	A-P		☹	☹	☹	☹	☹	☹	☹		
P6004-D..	12-31,5	A-K							☹	☹		
P6005-D..	12-37,99	A-P						☹	☹	☹		
P6006-D..	12-37,99	A-P	☹									

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹
Very good

☹
Good

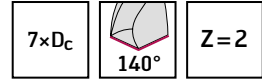
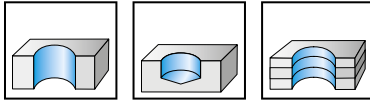
☹
Moderate

●● Primary application

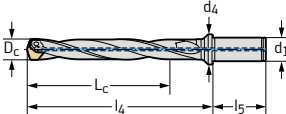
● Other application

Indexable insert drills

D4140-07



	P	M	K	N	S	H	O
D4140-07	●●	●	●●	●●	●		

Tool	Designation	D _c mm	L _c mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Seat size	Type
Cylindrical shank with shoulder 	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	0,20	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	0,85	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	1,30	1	K	P600 . -D31, ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [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	FS1396 (Torx 7IP)	FS1397 (Torx 8IP)	FS1398 (Torx 8IP)	FS1399 (Torx 15IP)	FS1400 (Torx 20IP)	FS1401 (Torx 20IP)	FS1402 (Torx 20IP)	FS1403 (Torx 25IP)	FS1404 (Torx 25IP)	FS2159 (Torx 25IP)
Tightening torque	1,2 Nm	2,0 Nm	2,0 Nm	4,0 Nm	5,0 Nm	5,0 Nm	5,0 Nm	5,5 Nm	5,5 Nm	5,5 Nm

Accessories

D _c [mm]	12-13	14-17	18-19	20-25	26-37
Torque T-handle Tightening torque					FS2041 4,5-14 Nm
Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	
Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)	FS2049 (Torx 25IP)
Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)	FS1487 (Torx 25IP)

Drill inserts

Designation	D _c mm	Seat size	P		M		K		N		S	
			WPP25	WPP45C	WMP35	WMP35	WKK45C	WNN25	WMP35			
P6001-D..	12-31,99	A-K	☹	☹	☹	☹	☹	☹	☹	☹		
P6003-D..	12-31,99	A-K		☹	☹	☹	☹	☹	☹	☹		
P6004-D..	12-31,5	A-K							☹	☹		
P6005-D..	12-31,99	A-K						☹	☹	☹		
P6006-D..	12-31,99	A-K	☹									

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹
Very good

☹
Good

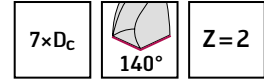
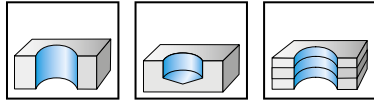
☹
Moderate

●● Primary application

● Other application

Indexable insert drills

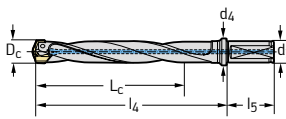
D4140-07



	P	M	K	N	S	H	O
D4140-07	●	●	●	●	●		

Tool

Cylindrical shank with flat



Designation	D _c mm	L _c mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Seat size	Type
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	0,20	1	B	P600 . -D15, ..
D4140-07-16.00F20-C	16	115	148	50	20	25	0,30	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	0,63	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	0,80	1	H	P600 . -D26, ..
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	1,30	1	K	P600 . -D31, ..
D4140-07-32.00F40-M	32	230	278	70	40	50	1,80	1	M	P600 . -D32, ..
D4140-07-33.00F40-M	33	237	286	70	40	50	1,86	1	M	P600 . -D33,0 ..
D4140-07-34.00F40-N	34	244	294	70	40	50	1,94	1	N	P600 . -D34,0 ..
D4140-07-35.00F40-N	35	251	302	70	40	50	2,06	1	N	P600 . -D35,0 ..
D4140-07-36.00F40-P	36	259	310	70	40	50	2,09	1	P	P600 . -D36,0 ..
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 _c [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 (Torx 7IP) 1,2 Nm	FS1397 (Torx 8IP) 2,0 Nm	FS1398 (Torx 8IP) 2,0 Nm	FS1399 (Torx 15IP) 4,0 Nm	FS1400 (Torx 20IP) 5,0 Nm	FS1401 (Torx 20IP) 5,0 Nm	FS1402 (Torx 20IP) 5,0 Nm	FS1403 (Torx 25IP) 5,5 Nm	FS1404 (Torx 25IP) 5,5 Nm	FS2159 (Torx 25IP) 5,5 Nm

Accessories

D _c [mm]	12-13	14-17	18-19	20-25	26-37
Torque T-handle Tightening torque					FS2041 4,5-14 Nm
Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	FS2003 1,5-5,0 Nm	
Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)	FS2049 (Torx 25IP)
Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)	FS1487 (Torx 25IP)

Drill inserts

Designation	D _c mm	Seat size	P		M		K		N		S	
			WPP25	WPP45C	WMP35	WMP35	WKK45C	WNN25	WMP35			
P6001-D..	12-37,99	A-P	☹	☹	☹	☹	☹	☹	☹	☹		
P6003-D..	12-37,99	A-P		☹	☹	☹	☹	☹	☹	☹		
P6004-D..	12-31,5	A-K							☹	☹		
P6005-D..	12-37,99	A-P						☹	☹	☹		
P6006-D..	12-37,99	A-P	☹									

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹
Very good

☹
Good

☹
Moderate

•• Primary application

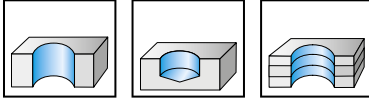
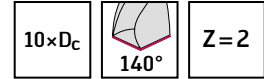
• Other application

Indexable insert drills

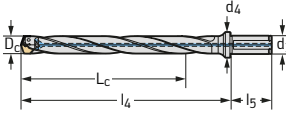
D4140-10



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



	P	M	K	N	S	H	O
D4140-10	●	●	●	●	●		

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Seat size	Type
Cylindrical shank with flat 	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	0,40	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 _c [mm]	12-13	14-15	16-17	18-19	20-21	22-23	24-25	
	Clamping screw for drill insert	FS1396 (Torx 7IP)	FS1397 (Torx 8IP)	FS1398 (Torx 8IP)	FS1399 (Torx 15IP)	FS1400 (Torx 20IP)	FS1401 (Torx 20IP)	FS1402 (Torx 20IP)
	Tightening torque	1,2 Nm	2,0 Nm	2,0 Nm	4,0 Nm	5,0 Nm	5,0 Nm	5,0 Nm

Accessories

D _c [mm]	12-13	14-17	18	19	20-24	21-25	
	Torque screwdriver, analogue	FS2001	FS2003	FS2004	FS2003	FS2004	FS2003
	Tightening torque	0,4-1,2 Nm	1,5-5,0 Nm	1,5-5,0 Nm	1,5-5,0 Nm	1,5-5,0 Nm	1,5-5,0 Nm
	Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2014 (Torx 15IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)	FS2015 (Torx 20IP)
	Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1485 (Torx 15IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)	FS1486 (Torx 20IP)

Drill inserts

	Designation	D _c mm	Seat size	P		M		K		N		S	
				HC	HC	HC	HC	HC	HC	HC	HC		
				WPP25	WPP45C	WMP35	WMP35	WKK45C	WNN25	WMP35			
	P6001-D..	12-25,8	A-G	☺									
	P6003-D..	12-25,8	A-G			☺	☺						
	P6004-D..	12-25,5	A-G							☺			
	P6005-D..	12-25,8	A-G					☺					
	P6006-D..	12-25,8	A-G	☺									

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

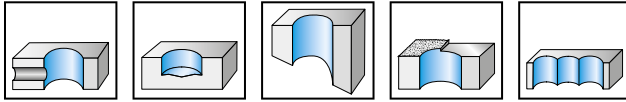
• Other application

Indexable insert drills

D4120-02


 2×D_C

Z = 1



	P	M	K	N	S	H	O
D4120-02	●	●	●	●	●		

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

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
 Clamping screw for indexable insert Tightening torque	FS2120 (Torx 6IP) 0,4 Nm	FS2111 (Torx 7IP) 0,9 Nm	FS1454 (Torx 8IP) 1,2 Nm	FS1457 (Torx 9IP) 2,0 Nm	FS2080 (Torx 15IP) 2,5 Nm	FS1453 (Torx 15IP) 3,5 Nm	FS1495 (Torx 20IP) 5,0 Nm

Accessories

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
 Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
 Torque screwdriver, digital Tightening torque			FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
 Interchangeable blade	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
 Screwdriver	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N	S			
		HC				HC			HC			HC	HC			
		WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WSP45	WSP45G	WXP40
	P4840P-R-A57	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840P-R-E57	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840P-R-E67	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840P-R-E77	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4841P-R-A57	1-3	☞	☞	☞	☞		☞	☞		☞	☞				☞
	P4841P-R-E57	1-3	☞	☞	☞	☞		☞	☞		☞	☞				☞
	P4840C-R-E67		☞	☞	☞		☞	☞		☞	☞				☞	☞
	P4840C-R-E77			☞	☞		☞	☞		☞	☞		☞		☞	☞
	P4841C-R-A57	1-3		☞	☞	☞	☞	☞		☞	☞				☞	☞
	P4841C-R-E57	1-3		☞	☞	☞	☞	☞		☞	☞				☞	☞

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

●● Primary application

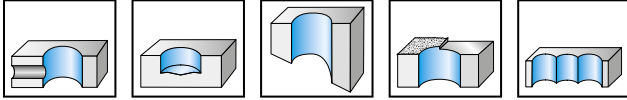
● Other application

Indexable insert drills

D4120-02


 2×D_C

Z = 1



P	M	K	N	S	H	O
●	●	●	●	●		

Tool	Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
Cylindrical shank with flat 	D4120-02-24.50F25-P44	24,5	49	74	56	25	35	0,47	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120-02-25.00F25-P44	25	50	75	56	25	35	0,48	1 1	
	D4120-02-25.50F32-P44	25,5	51	83	60	32	42	0,76	1 1	
	D4120-02-26.00F32-P44	26	52	84	60	32	42	0,72	1 1	
	D4120-02-26.50F32-P44	26,5	53	85	60	32	42	0,78	1 1	
	D4120-02-27.00F32-P44	27	54	86	60	32	42	0,77	1 1	
	D4120-02-27.50F32-P44	27,5	55	87	60	32	42	0,8	1 1	
	D4120-02-28.00F32-P44	28	56	88	60	32	42	0,81	1 1	
	D4120-02-28.50F32-P44	28,5	57	89	60	32	42	0,74	1 1	
	D4120-02-29.00F32-P44	29	58	90	60	32	42	0,81	1 1	
Cylindrical shank with flat 	D4120-02-29.50F32-P45	29,5	59	91	60	32	42	0,83	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120-02-30.00F32-P45	30	60	92	60	32	42	0,84	1 1	
	D4120-02-31.00F32-P45	31	62	94	60	32	42	0,87	1 1	
	D4120-02-32.00F32-P45	32	64	96	60	32	42	0,82	1 1	
	D4120-02-33.00F32-P45	33	66	98	60	32	42	0,91	1 1	
	D4120-02-34.00F32-P45	34	68	100	60	32	42	0,94	1 1	
	D4120-02-35.00F32-P45	35	70	102	60	32	42	0,97	1 1	
Cylindrical shank with flat 	D4120-02-36.00F32-P46	36	72	104	60	32	42	0,96	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120-02-37.00F40-P46	37	74	114	70	40	50	1,48	1 1	
	D4120-02-38.00F40-P46	38	76	116	70	40	50	1,52	1 1	
	D4120-02-39.00F40-P46	39	78	118	70	40	50	1,55	1 1	
	D4120-02-40.00F40-P46	40	80	120	70	40	50	1,45	1 1	
	D4120-02-41.00F40-P46	41	82	122	70	40	50	1,64	1 1	
	D4120-02-42.00F40-P46	42	84	124	70	40	50	1,67	1 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	FS2120 (Torx 6IP)	FS2111 (Torx 7IP)	FS1454 (Torx 8IP)	FS1457 (Torx 9IP)	FS2080 (Torx 15IP)	FS1453 (Torx 15IP)	FS1495 (Torx 20IP)
Tightening torque	0,4 Nm	0,9 Nm	1,2 Nm	2,0 Nm	2,5 Nm	3,5 Nm	5,0 Nm

Accessories

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
			FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N	S			
		HC				HC			HC			HC	HC			
		WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WSP45	WSP45G	WXP40
	P4840P-R-A57	4-6	☒	☒	☒		☒	☒		☒	☒					☒
	P4840P-R-E57	4-6	☒	☒	☒		☒	☒		☒	☒					☒
	P4840P-R-E67	4-6	☒	☒	☒		☒	☒		☒	☒					☒
	P4840P-R-E77	4-6											☒			
	P4841P-R-A57	4-6	☒	☒	☒		☒	☒		☒	☒					☒
	P4841P-R-E57	4-6	☒	☒	☒		☒	☒		☒	☒					☒
	P4840C-R-E67	4-6		☒	☒	☒	☒	☒		☒	☒					☒
	P4840C-R-E77	4-6										☒				
	P4841C-R-A57	4-6		☒	☒	☒	☒	☒		☒	☒					☒
	P4841C-R-E57	4-6		☒	☒	☒	☒	☒		☒	☒					☒
		4-6		☒	☒	☒	☒	☒		☒	☒					☒

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹️
Very good

😊
Good

😐
Moderate

•• Primary application

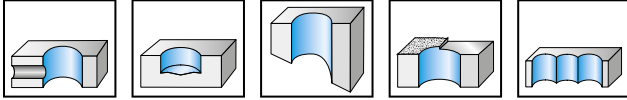
• Other application

Indexable insert drills

D4120-02


 2×D_C

Z=1



	P	M	K	N	S	H	O
D4120-02	●	●	●	●	●		

Tool	Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
Cylindrical shank with flat 	D4120-02-43.00F40-P47	43	86	126	70	40	50	1,67	1 1	P484 . P-7R-... P484 . C-7R-...
	D4120-02-44.00F40-P47	44	88	128	70	40	50	1,71	1 1	
	D4120-02-45.00F40-P47	45	90	130	70	40	50	1,76	1 1	
	D4120-02-46.00F40-P47	46	92	132	70	40	50	1,81	1 1	
	D4120-02-47.00F40-P47	47	94	134	70	40	50	1,84	1 1	
	D4120-02-48.00F40-P47	48	96	136	70	40	50	1,91	1 1	
	D4120-02-49.00F40-P47	49	98	138	70	40	50	1,9	1 1	
	D4120-02-50.00F40-P47	50	100	140	70	40	50	2,01	1 1	
Cylindrical shank with flat 	D4120-02-51.00F40-P48	51	102	142	70	40	50	2,09	1 1	P484 . P-8R-... P484 . C-8R-...
	D4120-02-52.00F40-P48	52	104	144	70	40	50	2,04	1 1	
	D4120-02-53.00F40-P48	53	106	146	70	40	50	2,21	1 1	
	D4120-02-54.00F40-P48	54	108	148	70	40	50	2,28	1 1	
	D4120-02-55.00F40-P48	55	110	150	70	40	50	2,35	1 1	
	D4120-02-56.00F40-P48	56	112	152	70	40	50	2,42	1 1	
	D4120-02-57.00F40-P48	57	114	154	70	40	50	2,5	1 1	
	D4120-02-58.00F40-P48	58	116	156	70	40	50	2,57	1 1	
	D4120-02-59.00F40-P48	59	118	158	70	40	50	2,65	1 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
Clamping screw for indexable insert	FS2120 (Torx 6IP)	FS2111 (Torx 7IP)	FS1454 (Torx 8IP)	FS1457 (Torx 9IP)	FS2080 (Torx 15IP)	FS1453 (Torx 15IP)	FS1495 (Torx 20IP)
Tightening torque	0,4 Nm	0,9 Nm	1,2 Nm	2,0 Nm	2,5 Nm	3,5 Nm	5,0 Nm

Accessories

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
Torque screwdriver, analogue	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
Torque screwdriver, digital			FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
Interchangeable blade	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
Screwdriver	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N		S	
		HC	WKP25S	WKP35S	WSP45	WSP45G	WXP40	HC	WSP45	WSP45G	WXP40	HC	WSP45	WSP45G	WXP40
	P4840P-R-A57	7-8	☒	☒	☒		☒	☒	☒	☒					
	P4840P-R-E57	7-8	☒	☒	☒		☒	☒	☒	☒					
	P4840P-R-E67	7-8	☒	☒	☒		☒	☒	☒	☒					
	P4840P-R-E77	7-8	☒	☒	☒		☒	☒	☒	☒					
	P4841P-R-A57	7-8	☒	☒	☒		☒	☒	☒	☒		☒			
	P4841P-R-E57	7-8	☒	☒	☒		☒	☒	☒	☒		☒			
	P4840C-R-E67	7-8		☒	☒	☒	☒	☒	☒	☒				☒	☒
	P4840C-R-E77	7-8		☒	☒	☒	☒	☒	☒	☒			☒	☒	☒
	P4841C-R-A57	7-8		☒	☒	☒	☒	☒	☒	☒			☒	☒	☒
	P4841C-R-E57	7-8		☒	☒	☒	☒	☒	☒	☒			☒	☒	☒
		7-8		☒	☒	☒	☒	☒	☒	☒			☒	☒	☒

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

●● Primary application

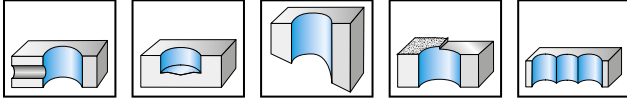
● Other application

Indexable insert drills

D4120-03


 3×D_C

Z=1



	P	M	K	N	S	H	O
D4120-03	●	●	●	●	●		

Tool	Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
Cylindrical shank with flat 	D4120-03-13.50F20-P41	13,5	40,5	60,5	50	20	25	0,16	1 1	P484 . P-1R- ... P484 . C-1R- ...
	D4120-03-14.00F20-P41	14	42	62	50	20	25	0,17	1 1	
	D4120-03-14.50F20-P41	14,5	43,5	63,5	50	20	25	0,24	1 1	
	D4120-03-15.00F20-P41	15	45	65	50	20	25	0,2	1 1	
	D4120-03-15.50F20-P41	15,5	46,5	66,5	50	20	25	0,25	1 1	
	D4120-03-16.00F25-P41	16	48	73	56	25	35	0,38	1 1	
	Cylindrical shank with flat 	D4120-03-16.50F25-P42	16,5	49,5	75	56	25	35	0,42	
D4120-03-17.00F25-P42		17	51	76	56	25	35	0,35	1 1	
D4120-03-17.50F25-P42		17,5	52,5	77,5	56	25	35	0,43	1 1	
D4120-03-18.00F25-P42		18	54	79	56	25	35	0,44	1 1	
D4120-03-18.50F25-P42		18,5	55,5	80,5	56	25	35	0,39	1 1	
D4120-03-19.00F25-P42		19	57	82	56	25	35	0,45	1 1	
D4120-03-19.50F25-P42		19,5	58,5	84	56	25	35	0,46	1 1	
D4120-03-20.00F25-P42		20	60	85	56	25	35	0,46	1 1	
Cylindrical shank with flat 	D4120-03-20.50F25-P43	20,5	61,5	87	56	25	35	0,45	1 1	P484 . P-3R- ... P484 . C-3R- ...
	D4120-03-21.00F25-P43	21	63	88	56	25	35	0,39	1 1	
	D4120-03-21.50F25-P43	21,5	64,5	90	56	25	35	0,48	1 1	
	D4120-03-22.00F25-P43	22	66	91	56	25	35	0,48	1 1	
	D4120-03-22.50F25-P43	22,5	67,5	93	56	25	35	0,49	1 1	
	D4120-03-23.00F25-P43	23	69	94	56	25	35	0,52	1 1	
	D4120-03-23.50F25-P43	23,5	70,5	96	56	25	35	0,51	1 1	
	D4120-03-24.00F25-P43	24	72	97	56	25	35	0,52	1 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	FS2120 (Torx 6IP)	FS2111 (Torx 7IP)	FS1454 (Torx 8IP)	FS1457 (Torx 9IP)	FS2080 (Torx 15IP)	FS1453 (Torx 15IP)	FS1495 (Torx 20IP)
Tightening torque	0,4 Nm	0,9 Nm	1,2 Nm	2,0 Nm	2,5 Nm	3,5 Nm	5,0 Nm

Accessories

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
			FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N		S	
		HC	WKP25S	WKP35S	WSP45	WSP45G	WXP40	HC	WKP25S	WKP35S	WXP40	HC	WSP45	WSP45G	WXP40
	P4840P-R-A57	1-3	☒	☒	☒	☒	☒	☒	☒	☒					
	P4840P-R-E57	1-3	☒	☒	☒	☒	☒	☒	☒	☒					
	P4840P-R-E67	1-3	☒	☒	☒	☒	☒	☒	☒	☒					
	P4840P-R-E77	1-3	☒	☒	☒	☒	☒	☒	☒	☒					
	P4841P-R-A57	1-3	☒	☒	☒	☒	☒	☒	☒	☒		☒			
	P4841P-R-E57	1-3	☒	☒	☒	☒	☒	☒	☒	☒		☒			
	P4840C-R-E67	1-3		☒	☒	☒	☒	☒	☒	☒					
	P4840C-R-E77	1-3		☒	☒	☒	☒	☒	☒	☒					
	P4841C-R-A57	1-3		☒	☒	☒	☒	☒	☒	☒		☒			
	P4841C-R-E57	1-3		☒	☒	☒	☒	☒	☒	☒		☒			

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹️
Very good

😊
Good

😐
Moderate

•• Primary application

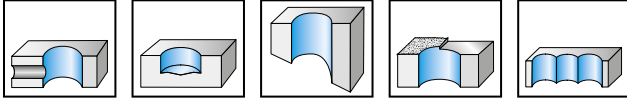
• Other application

Indexable insert drills

D4120-03


 3×D_C

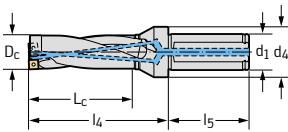
Z=1



D4120-03	P	M	K	N	S	H	O
	●	●	●	●	●		

Tool

Cylindrical shank with flat



Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
D4120-03-24.50F25-P44	24,5	73,5	99	56	25	35	0,52	1 1	P484 . P-4R- ... P484 . C-4R- ...
D4120-03-25.00F25-P44	25	75	100	56	25	35	0,43	1 1	
D4120-03-25.50F32-P44	25,5	76,5	109	60	32	42	0,83	1 1	
D4120-03-26.00F32-P44	26	78	110	60	32	42	0,84	1 1	
D4120-03-26.50F32-P44	26,5	79,5	112	60	32	42	0,84	1 1	
D4120-03-27.00F32-P44	27	81	113	60	32	42	0,85	1 1	
D4120-03-27.50F32-P44	27,5	82,5	115	60	32	42	0,87	1 1	
D4120-03-28.00F32-P44	28	84	116	60	32	42	0,89	1 1	
D4120-03-28.50F32-P44	28,5	85,5	118	60	32	42	0,91	1 1	
D4120-03-29.00F32-P44	29	87	119	60	32	42	0,92	1 1	
D4120-03-29.50F32-P45	29,5	88,5	121	60	32	42	0,93	1 1	P484 . P-5R- ... P484 . C-5R- ...
D4120-03-30.00F32-P45	30	90	122	60	32	42	0,94	1 1	
D4120-03-31.00F32-P45	31	93	125	60	32	42	0,95	1 1	
D4120-03-32.00F32-P45	32	96	128	60	32	42	1	1 1	
D4120-03-33.00F32-P45	33	99	131	60	32	42	1,03	1 1	
D4120-03-34.00F32-P45	34	102	134	60	32	42	1,07	1 1	
D4120-03-35.00F32-P45	35	105	137	60	32	42	1,12	1 1	
D4120-03-36.00F32-P46	36	108	140	60	32	42	1,02	1 1	P484 . P-6R- ... P484 . C-6R- ...
D4120-03-37.00F40-P46	37	111	151	70	40	50	1,68	1 1	
D4120-03-38.00F40-P46	38	114	154	70	40	50	1,17	1 1	
D4120-03-39.00F40-P46	39	117	157	70	40	50	1,76	1 1	
D4120-03-40.00F40-P46	40	120	160	70	40	50	1,82	1 1	
D4120-03-41.00F40-P46	41	123	163	70	40	50	1,88	1 1	
D4120-03-42.00F40-P46	42	126	166	70	40	50	1,94	1 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	FS2120 (Torx 6IP)	FS2111 (Torx 7IP)	FS1454 (Torx 8IP)	FS1457 (Torx 9IP)	FS2080 (Torx 15IP)	FS1453 (Torx 15IP)	FS1495 (Torx 20IP)
Tightening torque	0,4 Nm	0,9 Nm	1,2 Nm	2,0 Nm	2,5 Nm	3,5 Nm	5,0 Nm

Accessories

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
			FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N	S			
		HC				HC			HC			HC	HC			
		WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WSP45	WSP45G	WXP40
	P4840P-R-A57	4-6	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840P-R-E57	4-6	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840P-R-E67	4-6	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840P-R-E77	4-6											☒			
	P4841P-R-A57	4-6	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4841P-R-E57	4-6	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840C-R-E67	4-6		☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840C-R-E77	4-6										☒				
	P4841C-R-A57	4-6		☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4841C-R-E57	4-6		☒	☒	☒	☒	☒	☒	☒	☒					☒
		4-6		☒	☒	☒	☒	☒	☒	☒	☒					☒

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

●● Primary application

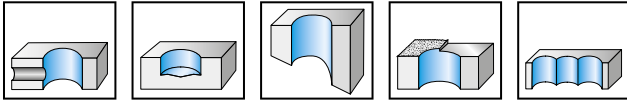
● Other application

Indexable insert drills

D4120-03


 3×D_C

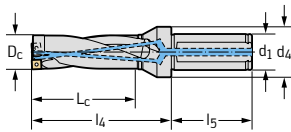
Z=1



	P	M	K	N	S	H	O
D4120-03	●	●	●	●	●		

Tool

Cylindrical shank with flat



Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
D4120-03-43.00F40-P47	43	129	169	70	40	50	1,98	1 1	P484 . P-7R-.. P484 . C-7R-..
D4120-03-44.00F40-P47	44	132	172	70	40	50	2,03	1 1	
D4120-03-45.00F40-P47	45	135	175	70	40	50	2,11	1 1	
D4120-03-46.00F40-P47	46	138	178	70	40	50	2,17	1 1	
D4120-03-47.00F40-P47	47	141	181	70	40	50	2,25	1 1	
D4120-03-48.00F40-P47	48	144	184	70	40	50	2,34	1 1	
D4120-03-49.00F40-P47	49	147	187	70	40	50	2,41	1 1	
D4120-03-50.00F40-P47	50	150	190	70	40	50	2,5	1 1	
Cylindrical shank with flat									
D4120-03-51.00F40-P48	51	153	193	70	40	50	2,53	1 1	P484 . P-8R-.. P484 . C-8R-..
D4120-03-52.00F40-P48	52	156	196	70	40	50	2,6	1 1	
D4120-03-53.00F40-P48	53	159	199	70	40	50	2,7	1 1	
D4120-03-54.00F40-P48	54	162	202	70	40	50	2,8	1 1	
D4120-03-55.00F40-P48	55	165	205	70	40	50	2,9	1 1	
D4120-03-56.00F40-P48	56	168	208	70	40	50	3	1 1	
D4120-03-57.00F40-P48	57	171	211	70	40	50	3,12	1 1	
D4120-03-58.00F40-P48	58	174	214	70	40	50	3,23	1 1	
D4120-03-59.00F40-P48	59	177	217	70	40	50	3,36	1 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	FS2120 (Torx 6IP)	FS2111 (Torx 7IP)	FS1454 (Torx 8IP)	FS1457 (Torx 9IP)	FS2080 (Torx 15IP)	FS1453 (Torx 15IP)	FS1495 (Torx 20IP)
Tightening torque	0,4 Nm	0,9 Nm	1,2 Nm	2,0 Nm	2,5 Nm	3,5 Nm	5,0 Nm

Accessories

D _c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–42	43–59
	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
			FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N	S			
		HC				HC			HC			HC	HC			
		WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WSP45	WSP45G	WXP40
	P4840P-R-A57	7-8	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840P-R-E57	7-8	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840P-R-E67	7-8	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840P-R-E77	7-8											☒			
	P4841P-R-A57	7-8	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4841P-R-E57	7-8	☒	☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840C-R-E67	7-8		☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4840C-R-E77	7-8										☒				
	P4841C-R-A57	7-8		☒	☒	☒	☒	☒	☒	☒	☒					☒
	P4841C-R-E57	7-8		☒	☒	☒	☒	☒	☒	☒	☒					☒
		7-8		☒	☒	☒	☒	☒	☒	☒	☒					☒

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹️
Very good

😊
Good

😐
Moderate

●● Primary application

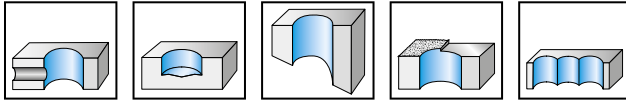
● Other application

Indexable insert drills

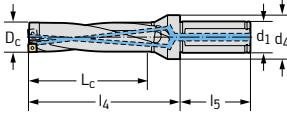
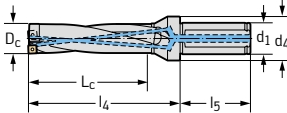
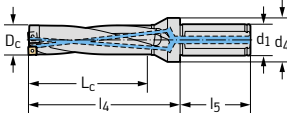
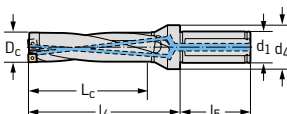
D4120-04


 4×D_C

Z = 1



	P	M	K	N	S	H	O
D4120-04	●	●	●	●	●		

Tool	Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
Cylindrical shank with flat 	D4120-04-17.00F25-P42	17	68	93	56	25	35	0,45	1 1	P484 . P-2R- ... P484 . C-2R- ...
	D4120-04-18.00F25-P42	18	72	97	56	25	35	0,46	1 1	
	D4120-04-19.00F25-P42	19	76	101	56	25	35	0,47	1 1	
	D4120-04-20.00F25-P42	20	80	105	56	25	35	0,49	1 1	
Cylindrical shank with flat 	D4120-04-21.00F25-P43	21	84	109	56	25	35	0,49	1 1	P484 . P-3R- ... P484 . C-3R- ...
	D4120-04-22.00F25-P43	22	88	113	56	25	35	0,53	1 1	
	D4120-04-23.00F25-P43	23	92	117	56	25	35	0,55	1 1	
	D4120-04-24.00F25-P43	24	96	121	56	25	35	0,57	1 1	
Cylindrical shank with flat 	D4120-04-25.00F25-P44	25	100	125	56	25	35	0,58	1 1	P484 . P-4R- ... P484 . C-4R- ...
	D4120-04-26.00F32-P44	26	104	136	60	32	42	0,89	1 1	
	D4120-04-27.00F32-P44	27	108	140	60	32	42	0,93	1 1	
	D4120-04-28.00F32-P44	28	112	144	60	32	42	0,96	1 1	
Cylindrical shank with flat 	D4120-04-29.00F32-P44	29	116	148	60	32	42	1,00	1 1	P484 . P-5R- ... P484 . C-5R- ...
	D4120-04-30.00F32-P45	30	120	152	60	32	42	1,02	1 1	
	D4120-04-31.00F32-P45	31	124	156	60	32	42	1,07	1 1	
	D4120-04-32.00F32-P45	32	128	160	60	32	42	1,10	1 1	
	D4120-04-33.00F32-P45	33	132	164	60	32	42	1,17	1 1	
	D4120-04-34.00F32-P45	34	136	168	60	32	42	1,18	1 1	
D4120-04-35.00F32-P45	35	140	172	60	32	42	1,28	1 1		

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
Clamping screw for indexable insert	FS2111 (Torx 7IP)	FS1454 (Torx 8IP)	FS1457 (Torx 9IP)	FS2080 (Torx 15IP)	FS1453 (Torx 15IP)	FS1495 (Torx 20IP)
Tightening torque	0,9 Nm	1,2 Nm	2,0 Nm	2,5 Nm	3,5 Nm	5,0 Nm

Accessories

D _c [mm]	17–20	21–24	25–29	30–42	43–59
Torque screwdriver, analogue	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
Torque screwdriver, digital		FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N		S		
		HC				HC			HC			HC		HC		
		WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WSP45	WSP45G	WXP40
	P4840P-R-A57	☞	☞	☞			☞	☞		☞	☞					☞
	P4840P-R-E57	☞	☞	☞			☞	☞		☞	☞					☞
	P4840P-R-E67	☞	☞	☞			☞	☞		☞	☞					☞
	P4840P-R-E77	☞	☞	☞			☞	☞		☞	☞					☞
	P4841P-R-A57	☞	☞	☞			☞	☞		☞	☞			☞		☞
	P4841P-R-E57	☞	☞	☞			☞	☞		☞	☞					☞
	P4840C-R-E67		☞	☞	☞		☞	☞		☞	☞				☞	☞
	P4840C-R-E77		☞	☞	☞		☞	☞		☞	☞		☞		☞	☞
	P4841C-R-A57		☞	☞	☞		☞	☞		☞	☞				☞	☞
	P4841C-R-E57		☞	☞	☞		☞	☞		☞	☞				☞	☞

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹️
Very good

😊
Good

😐
Moderate

●● Primary application

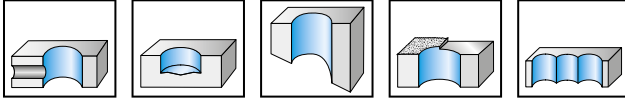
● Other application

Indexable insert drills

D4120-04


 4×D_C

Z = 1



	P	M	K	N	S	H	O
D4120-04	●	●	●	●	●		

Tool	Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
Cylindrical shank with flat 	D4120-04-36.00F32-P46	36	144	176	60	32	42	1,26	1 1	P484 . P-6R- ... P484 . C-6R- ...
	D4120-04-37.00F40-P46	37	148	188	70	40	50	1,82	1 1	
	D4120-04-38.00F40-P46	38	152	192	70	40	50	1,19	1 1	
	D4120-04-39.00F40-P46	39	156	196	70	40	50	1,96	1 1	
	D4120-04-40.00F40-P46	40	160	200	70	40	50	2,04	1 1	
	D4120-04-41.00F40-P46	41	164	204	70	40	50	2,21	1 1	
	D4120-04-42.00F40-P46	42	168	208	70	40	50	2,20	1 1	
Cylindrical shank with flat 	D4120-04-43.00F40-P47	43	172	212	70	40	50	2,23	1 1	P484 . P-7R- ... P484 . C-7R- ...
	D4120-04-44.00F40-P47	44	176	216	70	40	50	2,32	1 1	
	D4120-04-45.00F40-P47	45	180	220	70	40	50	2,4	1 1	
	D4120-04-46.00F40-P47	46	184	224	70	40	50	2,50	1 1	
	D4120-04-47.00F40-P47	47	188	228	70	40	50	2,62	1 1	
	D4120-04-48.00F40-P47	48	192	232	70	40	50	2,7	1 1	
	D4120-04-49.00F40-P47	49	196	236	70	40	50	2,84	1 1	
	D4120-04-50.00F40-P47	50	200	240	70	40	50	2,95	1 1	
Cylindrical shank with flat 	D4120-04-51.00F40-P48	51	204	244	70	40	50	2,98	1 1	P484 . P-8R- ... P484 . C-8R- ...
	D4120-04-52.00F40-P48	52	208	248	70	40	50	3,11	1 1	
	D4120-04-53.00F40-P48	53	212	252	70	40	50	3,25	1 1	
	D4120-04-54.00F40-P48	54	216	256	70	40	50	3,32	1 1	
	D4120-04-55.00F40-P48	55	220	260	70	40	50	3,44	1 1	
	D4120-04-56.00F40-P48	56	224	264	70	40	50	3,6	1 1	
	D4120-04-57.00F40-P48	57	228	268	70	40	50	3,8	1 1	
	D4120-04-58.00F40-P48	58	232	272	70	40	50	3,97	1 1	
	D4120-04-59.00F40-P48	59	236	276	70	40	50	4,09	1 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
 Clamping screw for indexable insert Tightening torque	FS2111 (Torx 7IP) 0,9 Nm	FS1454 (Torx 8IP) 1,2 Nm	FS1457 (Torx 9IP) 2,0 Nm	FS2080 (Torx 15IP) 2,5 Nm	FS1453 (Torx 15IP) 3,5 Nm	FS1495 (Torx 20IP) 5,0 Nm

Accessories

D _c [mm]	17–20	21–24	25–29	30–42	43–59
 Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
 Torque screwdriver, digital Tightening torque		FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
 Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
 Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N		S		
		HC				HC			HC			HC		HC		
		WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WSP45	WSP45G	WXP40
 P4840P-R-A57 P4840P-R-E57 P4840P-R-E67 P4840P-R-E77 P4841P-R-A57 P4841P-R-E57	6–8	☞	☞	☞			☞			☞	☞					☞
	6–8	☞	☞	☞			☞			☞	☞					☞
	6–8	☞	☞	☞			☞			☞	☞					☞
	6–8												☞			
	6–8	☞	☞	☞			☞			☞	☞					☞
	6–8	☞	☞	☞			☞			☞	☞					☞
 P4840C-R-E67 P4840C-R-E77 P4841C-R-A57 P4841C-R-E57	6–8		☞	☞	☞		☞	☞		☞	☞					☞
	6–8											☞				
	6–8		☞	☞	☞		☞	☞		☞	☞					☞
	6–8		☞	☞	☞		☞	☞		☞	☞					☞

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹️
Very good

😊
Good

😐
Moderate

•• Primary application

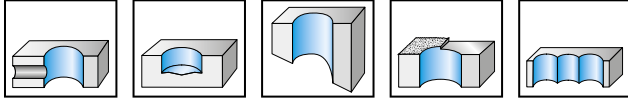
• Other application

Indexable insert drills

D4120-05


 5×D_C

Z = 1



	P	M	K	N	S	H	O
D4120-05	●●		●●	●			

Tool	Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
Cylindrical shank with flat 	D4120-05-17.00F25-P42	17	85	110	56	25	35	0,39	1 1	P484 . P-2R- ... P484 . C-2R- ...
	D4120-05-18.00F25-P42	18	90	115	56	25	35	0,47	1 1	
	D4120-05-19.00F25-P42	19	95	120	56	25	35	0,49	1 1	
	D4120-05-20.00F25-P42	20	100	125	56	25	35	0,51	1 1	
Cylindrical shank with flat 	D4120-05-21.00F25-P43	21	105	130	56	25	35	0,45	1 1	P484 . P-3R- ... P484 . C-3R- ...
	D4120-05-22.00F25-P43	22	110	135	56	25	35	0,58	1 1	
	D4120-05-23.00F25-P43	23	115	140	56	25	35	0,62	1 1	
	D4120-05-24.00F25-P43	24	120	145	56	25	35	0,63	1 1	
Cylindrical shank with flat 	D4120-05-25.00F25-P44	25	125	150	56	25	35	0,54	1 1	P484 . P-4R- ... P484 . C-4R- ...
	D4120-05-26.00F32-P44	26	130	162	60	32	42	0,95	1 1	
	D4120-05-27.00F32-P44	27	135	167	60	32	42	1,00	1 1	
	D4120-05-28.00F32-P44	28	140	172	60	32	42	1,03	1 1	
Cylindrical shank with flat 	D4120-05-29.00F32-P44	29	145	177	60	32	42	1,10	1 1	P484 . P-5R- ... P484 . C-5R- ...
	D4120-05-30.00F32-P45	30	150	182	60	32	42	1,01	1 1	
	D4120-05-31.00F32-P45	31	155	187	60	32	42	1,18	1 1	
	D4120-05-32.00F32-P45	32	160	192	60	32	42	1,23	1 1	
	D4120-05-33.00F32-P45	33	165	197	60	32	42	1,3	1 1	
	D4120-05-34.00F32-P45	34	170	202	60	32	42	1,37	1 1	
D4120-05-35.00F32-P45	35	175	207	60	32	42	1,45	1 1		

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	17–20	21–24	25–29	30–35	36–42	43–59	54
	Clamping screw for indexable insert	FS2111 (Torx 7IP)	FS1454 (Torx 8IP)	FS1457 (Torx 9IP)	FS2080 (Torx 15IP)	FS1453 (Torx 15IP)	FS1495 (Torx 20IP)
	Tightening torque	0,9 Nm	1,2 Nm	2,0 Nm	2,5 Nm	3,5 Nm	5,0 Nm
		FS1485 (Torx 15IP)					

Accessories

D _c [mm]	17–20	21–24	25–29	30–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003
	Tightening torque	0,4–1,2 Nm	0,4–1,2 Nm	1,5–5,0 Nm	1,5–5,0 Nm
	Torque screwdriver, digital		FS2248	FS2248	FS2248
	Tightening torque		1,0–6,0 Nm	1,0–6,0 Nm	1,0–6,0 Nm
	Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)
	Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)
					FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N	S			
		HC				HC			HC			HC	HC			
		WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WSP45	WSP45G	WXP40
	P4840P-R-A57	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840P-R-E57	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840P-R-E67	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840P-R-E77	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4841P-R-A57	☞	☞	☞	☞		☞	☞		☞	☞		☞			☞
	P4841P-R-E57	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840C-R-E67		☞	☞	☞		☞	☞		☞	☞				☞	☞
	P4840C-R-E77		☞	☞	☞		☞	☞		☞	☞		☞		☞	☞
	P4841C-R-A57		☞	☞	☞		☞	☞		☞	☞				☞	☞
	P4841C-R-E57		☞	☞	☞		☞	☞		☞	☞				☞	☞

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☹️
Very good

😊
Good

😐
Moderate

•• Primary application

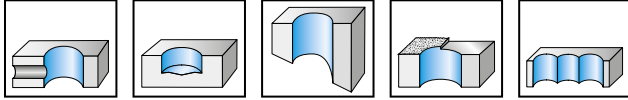
• Other application

Indexable insert drills

D4120-05


 5×D_C

Z = 1



	P	M	K	N	S	H	O
D4120-05	●●		●●	●			

Tool	Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
Cylindrical shank with flat 	D4120-05-36.00F32-P46	36	180	212	60	32	42	1,32	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120-05-37.00F40-P46	37	185	225	70	40	50	1,45	1 1	
	D4120-05-38.00F40-P46	38	190	230	70	40	50	2,02	1 1	
	D4120-05-39.00F40-P46	39	195	235	70	40	50	2,09	1 1	
	D4120-05-40.00F40-P46	40	200	240	70	40	50	2,17	1 1	
	D4120-05-41.00F40-P46	41	205	245	70	40	50	2,35	1 1	
	D4120-05-42.00F40-P46	42	210	250	70	40	50	2,45	1 1	
Cylindrical shank with flat 	D4120-05-43.00F40-P47	43	215	255	70	40	50	2,54	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120-05-44.00F40-P47	44	220	260	70	40	50	2,65	1 1	
	D4120-05-45.00F40-P47	45	225	265	70	40	50	2,75	1 1	
	D4120-05-46.00F40-P47	46	230	270	70	40	50	2,87	1 1	
	D4120-05-47.00F40-P47	47	235	275	70	40	50	2,99	1 1	
	D4120-05-48.00F40-P47	48	240	280	70	40	50	3,08	1 1	
	D4120-05-49.00F40-P47	49	245	285	70	40	50	3,26	1 1	
	D4120-05-50.00F40-P47	50	250	290	70	40	50	3,39	1 1	
Cylindrical shank with flat 	D4120-05-51.00F40-P48	51	255	295	70	40	50	3,45	1 1	P484 . P-8R- .. P484 . C-8R- ..
	D4120-05-52.00F40-P48	52	260	300	70	40	50	3,61	1 1	
	D4120-05-53.00F40-P48	53	265	305	70	40	50	3,74	1 1	
	D4120-05-54.00F40-P48	54	270	310	70	40	50	3,86	1 1	
	D4120-05-55.00F40-P48	55	275	315	70	40	50	4,07	1 1	
	D4120-05-56.00F40-P48	56	280	320	70	40	50	4,22	1 1	
	D4120-05-57.00F40-P48	57	285	325	70	40	50	4,20	1 1	
	D4120-05-58.00F40-P48	58	290	330	70	40	50	4,39	1 1	
	D4120-05-59.00F40-P48	59	295	335	70	40	50	4,8	1 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	17–20	21–24	25–29	30–35	36–42	43–59	54
	Clamping screw for indexable insert	FS2111 (Torx 7IP)	FS1454 (Torx 8IP)	FS1457 (Torx 9IP)	FS2080 (Torx 15IP)	FS1453 (Torx 15IP)	FS1495 (Torx 20IP)
	Tightening torque	0,9 Nm	1,2 Nm	2,0 Nm	2,5 Nm	3,5 Nm	5,0 Nm
		FS1485 (Torx 15IP)					

Accessories

D _c [mm]	17–20	21–24	25–29	30–42	43–59
	Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003
	Tightening torque	0,4–1,2 Nm	0,4–1,2 Nm	1,5–5,0 Nm	1,5–5,0 Nm
	Torque screwdriver, digital		FS2248	FS2248	FS2248
	Tightening torque		1,0–6,0 Nm	1,0–6,0 Nm	1,0–6,0 Nm
	Interchangeable blade	FS2011 (Torx 7IP)	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)
	Screwdriver	FS2088 (Torx 7IP)	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)
					FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M			K			N	S			
		HC				HC			HC			HC	HC			
		WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WSP45	WSP45G	WXP40
	P4840P-R-A57	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840P-R-E57	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840P-R-E67	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840P-R-E77	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4841P-R-A57	☞	☞	☞	☞		☞	☞		☞	☞		☞			☞
	P4841P-R-E57	☞	☞	☞	☞		☞	☞		☞	☞					☞
	P4840C-R-E67		☞	☞	☞		☞	☞		☞	☞				☞	☞
	P4840C-R-E77		☞	☞	☞		☞	☞		☞	☞		☞		☞	☞
	P4841C-R-A57		☞	☞	☞		☞	☞		☞	☞				☞	☞
	P4841C-R-E57		☞	☞	☞		☞	☞		☞	☞				☞	☞

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

Very good

Good

Moderate

●● Primary application

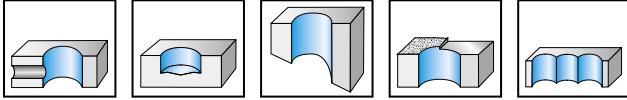
● Other application

Indexable insert drills with cartridge

D4170-03



D_c 65-80	$3 \times D_c$	$Z=1$
----------------	----------------	-------



	P	M	K	N	S	H	O
D4170-03	●	●	●	●	●		


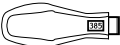



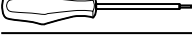
Tool	Designation	D_c mm	L_c mm	l_4 mm	d_1 mm	kg	No. of indexable inserts	Type
Modular NCT adaptor 	D4170-03-65.00N8-P45	65	195	245	NCT 80	4,3	3 1	P484 . P-5R- .. P484 . C-5R- ..
	D4170-03-68.00N8-P46	68	204	254	NCT 80	4,7	3 1	P484 . P-6R- .. P484 . C-6R- ..
	D4170-03-70.00N8-P46	70	210	260	NCT 80	4,9	3 1	
	D4170-03-78.00N8-P46	78	234	284	NCT 80	6,1	3 1	
	D4170-03-80.00N8-P45	80	240	290	NCT 80	6,3	5 1	P484 . P-5R- .. P484 . C-5R- ..

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



Assembly parts

D _c [mm]	65	68	70	78	80
 Clamping screw for indexable insert Tightening torque	FS1453 (Torx 15IP) 3,5 Nm	FS1453 (Torx 15IP) 3,5 Nm	FS1453 (Torx 15IP) 3,5 Nm	FS1453 (Torx 15IP) 3,5 Nm	FS1453 (Torx 15IP) 3,5 Nm
 Internal cartridge	FR737C-5	FR743C-6	FR743C-6	FR743C-6	FR737C-5
 External cartridge 1	FR738P-5	FR744P-6	FR744P-6	FR744P-6	FR738P-5
 External cartridge 2	FR741P-5	FR745P-6	FR746P-6	FR748P-6	FR739P-5
 Clamping screw for internal and external cartridge 1 Tightening torque	FS1149 (SW 4) 5,0 Nm	FS1149 (SW 4) 5,0 Nm	FS1149 (SW 4) 5,0 Nm	FS1149 (SW 4) 5,0 Nm	FS1149 (SW 4) 5,0 Nm
 Clamping screw for external cartridge 2 Tightening torque	FS966 (SW 5) 8,0 Nm	FS966 (SW 5) 8,0 Nm	FS966 (SW 5) 8,0 Nm	FS966 (SW 5) 8,0 Nm	FS966 (SW 5) 8,0 Nm

Accessories

D _c [mm]	65–80
 Torque screwdriver, analogue Tightening torque	FS2003 1,5–5,0 Nm
 Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm
 Interchangeable blade	FS2014 (Torx 15IP)
 ISO 2936 Allen key for internal and external cartridge 1	ISO2936-4 (SW 4)
 ISO 2936 Allen key for external cartridge 2	ISO2936-5 (SW 5)
 Screwdriver	FS1485 (Torx 15IP)

Indexable inserts

Designation	Size	P				M			K			N		S	
		WC	HC	WC	HC	WC	HC	WC	WC	WC	HC	WC	HC		
 P4840P-.R-A57	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
 P4840C-.R-E67	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
	5–6	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

P48...C = Centre insert
P48...P = Outer insert

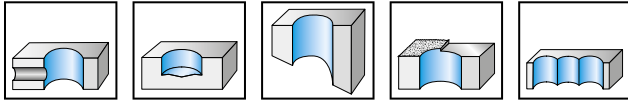
HC = Coated carbide

Indexable insert drills

D3120-02


 2×D_C

Z=1




P	M	K	N	S	H	O
●	●	●	●	●		

Tool	Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
Cylindrical shank with flat 	D3120-02-16.00F25-P21	16	32	57	56	25	32	0,30	2	P284 . S-1N- ..
	D3120-02-17.00F25-P21	17	34	59	56	25	32	0,31	2	
	D3120-02-18.00F25-P21	18	36	61	56	25	32	0,31	2	
	D3120-02-19.00F25-P21	19	38	63	56	25	32	0,32	2	
	D3120-02-20.00F25-P21	20	40	65	56	25	32	0,34	2	
Cylindrical shank with flat 	D3120-02-21.00F25-P22	21	42	67	56	25	32	0,36	2	P284 . S-2N- ..
	D3120-02-22.00F25-P22	22	44	69	56	25	32	0,35	2	
	D3120-02-23.00F25-P22	23	46	71	56	25	32	0,36	2	
	D3120-02-24.00F25-P22	24	48	73	56	25	32	0,37	2	
	D3120-02-25.00F25-P22	25	50	75	56	25	32	0,39	2	
Cylindrical shank with flat 	D3120-02-26.00F32-P23	26	52	84	60	32	40	0,62	2	P284 . S-3N- ..
	D3120-02-27.00F32-P23	27	54	86	60	32	40	0,68	2	
	D3120-02-28.00F32-P23	28	56	88	60	32	40	0,66	2	
	D3120-02-29.00F32-P23	29	58	90	60	32	40	0,69	2	
	D3120-02-30.00F32-P23	30	60	92	60	32	40	0,71	2	
Cylindrical shank with flat 	D3120-02-31.00F32-P24	31	62	94	60	32	40	0,69	2	P284 . S-4N- ..
	D3120-02-32.00F32-P24	32	64	96	60	32	40	0,72	2	
	D3120-02-33.00F32-P24	33	66	98	60	32	40	0,75	2	
	D3120-02-34.00F32-P24	34	68	100	60	32	40	0,78	2	
	D3120-02-35.00F32-P24	35	70	102	60	32	40	0,81	2	
	D3120-02-36.00F32-P24	36	72	104	60	32	40	0,85	2	
Cylindrical shank with flat 	D3120-02-37.00F40-P25	37	74	114	70	40	50	1,28	2	P284 . S-5N- ..
	D3120-02-38.00F40-P25	38	76	116	70	40	50	1,32	2	
	D3120-02-39.00F40-P25	39	78	118	70	40	50	1,36	2	
	D3120-02-40.00F40-P25	40	80	120	70	40	50	1,39	2	
	D3120-02-41.00F40-P25	41	82	122	70	40	50	1,44	2	
	D3120-02-42.00F40-P25	42	84	124	70	40	50	1,48	2	

Bodies and assembly parts are included in the scope of delivery


Assembly parts

D _c [mm]	16–20	21–25	26–30	31–36	37–42
 Clamping screw for indexable insert Tightening torque	FS1454 (Torx 8IP) 1,2 Nm	FS1456 (Torx 9IP) 2,0 Nm	FS2181 (Torx 15IP) 3,0 Nm	FS2119 (Torx 15IP) 3,0 Nm	FS2139 (Torx 20IP) 5,0 Nm

Accessories

D _c [mm]	16–20	21–25	26–36	37–42
 Eccentric sleeve, adj. range dia. -0.2 to +0.55 mm	FS722	FS722	FS723	FS724
 Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
 Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
 Interchangeable blade	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
 Screwdriver	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M				K			N		S		
		HC				HC				HC			HC		HC		
		WKP25S	WKP35S	WSP45S	WSP45G	WXP40	WSP45S	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WK40	WK40	WSP45S	WSP45G
 P2840S-.N-A57	1–5	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺	☺
P2840S-.N-E67	1–5		☺	☺	☺	☺	☺	☺	☺	☺	☺		☺	☺	☺	☺	☺
P2840S-.N-E77	1–5											☺					
P2841S-.N-A57	1–5	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺	☺
P2841S-.N-E57	1–5	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺	☺
P2841S-.N-E67	1–5		☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺	☺

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☺
Good

☺
Moderate

•• Primary application

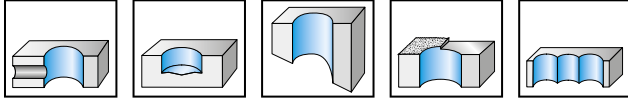
• Other application

Indexable insert drills

D3120-04


 4×D_C

Z=1




	P	M	K	N	S	H	O
D3120-04	●	●	●	●	●		

Tool	Designation	D _C mm	L _C mm	l ₄ mm	l ₅ mm	d ₁ mm	d ₄ mm	kg	No. of indexable inserts	Type
Cylindrical shank with flat 	D3120-04-16.00F25-P21	16	64	89	56	25	32	0,35	2	P284 . S-1N- ..
	D3120-04-17.00F25-P21	17	68	93	56	25	32	0,33	2	
	D3120-04-18.00F25-P21	18	72	97	56	25	32	0,35	2	
	D3120-04-19.00F25-P21	19	76	101	56	25	32	0,36	2	
	D3120-04-20.00F25-P21	20	80	105	56	25	32	0,38	2	
Cylindrical shank with flat 	D3120-04-21.00F25-P22	21	84	109	56	25	32	0,38	2	P284 . S-2N- ..
	D3120-04-22.00F25-P22	22	88	113	56	25	32	0,43	2	
	D3120-04-23.00F25-P22	23	92	117	56	25	32	0,43	2	
	D3120-04-24.00F25-P22	24	96	121	56	25	32	0,46	2	
	D3120-04-25.00F25-P22	25	100	125	56	25	32	0,49	2	
Cylindrical shank with flat 	D3120-04-26.00F32-P23	26	104	136	60	32	40	0,72	2	P284 . S-3N- ..
	D3120-04-27.00F32-P23	27	108	140	60	32	40	0,76	2	
	D3120-04-28.00F32-P23	28	112	144	60	32	40	0,80	2	
	D3120-04-29.00F32-P23	29	116	148	60	32	40	0,84	2	
	D3120-04-30.00F32-P23	30	120	152	60	32	40	0,88	2	
Cylindrical shank with flat 	D3120-04-31.00F32-P24	31	124	156	60	32	40	0,86	2	P284 . S-4N- ..
	D3120-04-32.00F32-P24	32	128	160	60	32	40	0,91	2	
	D3120-04-33.00F32-P24	33	132	164	60	32	40	0,96	2	
	D3120-04-34.00F32-P24	34	136	168	60	32	40	1,09	2	
	D3120-04-35.00F32-P24	35	140	172	60	32	40	1,08	2	
Cylindrical shank with flat 	D3120-04-36.00F32-P24	36	144	176	60	32	40	1,15	2	P284 . S-5N- ..
	D3120-04-37.00F40-P25	37	148	188	70	40	50	1,59	2	
	D3120-04-38.00F40-P25	38	152	192	70	40	50	1,66	2	
	D3120-04-39.00F40-P25	39	156	196	70	40	50	1,74	2	
	D3120-04-40.00F40-P25	40	160	200	70	40	50	1,89	2	
	D3120-04-41.00F40-P25	41	164	204	70	40	50	1,90	2	
	D3120-04-42.00F40-P25	42	168	208	70	40	50	1,99	2	

Bodies and assembly parts are included in the scope of delivery


Assembly parts

D _c [mm]	16–20	21–25	26–30	31–36	37–42
 Clamping screw for indexable insert Tightening torque	FS1454 (Torx 8IP) 1,2 Nm	FS1456 (Torx 9IP) 2,0 Nm	FS2181 (Torx 15IP) 3,0 Nm	FS2119 (Torx 15IP) 3,0 Nm	FS2139 (Torx 20IP) 5,0 Nm

Accessories

D _c [mm]	16–20	21–25	26–36	37–42
 Eccentric sleeve, adj. range dia. -0.2 to +0.55 mm	FS722	FS722	FS723	FS724
 Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
 Torque screwdriver, digital Tightening torque	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm	FS2248 1,0–6,0 Nm
 Interchangeable blade	FS2012 (Torx 8IP)	FS2013 (Torx 9IP)	FS2014 (Torx 15IP)	FS2015 (Torx 20IP)
 Screwdriver	FS1483 (Torx 8IP)	FS1484 (Torx 9IP)	FS1485 (Torx 15IP)	FS1486 (Torx 20IP)

Indexable inserts

Designation	Size	P				M				K			N		S		
		HC				HC				HC			HC		HC		
		WKP25S	WKP35S	WSP45S	WSP45G	WXP40	WSP45S	WSP45G	WXP40	WKP25S	WKP35S	WXP40	WNN15	WK40	WK40	WSP45S	WSP45G
 P2840S-.N-A57	1–5	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺	☺
P2840S-.N-E67	1–5		☺	☺	☺	☺	☺	☺	☺	☺	☺		☺	☺	☺	☺	☺
P2840S-.N-E77	1–5											☺					
P2841S-.N-A57	1–5	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺	☺
P2841S-.N-E57	1–5	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺	☺
P2841S-.N-E67	1–5		☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺	☺

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

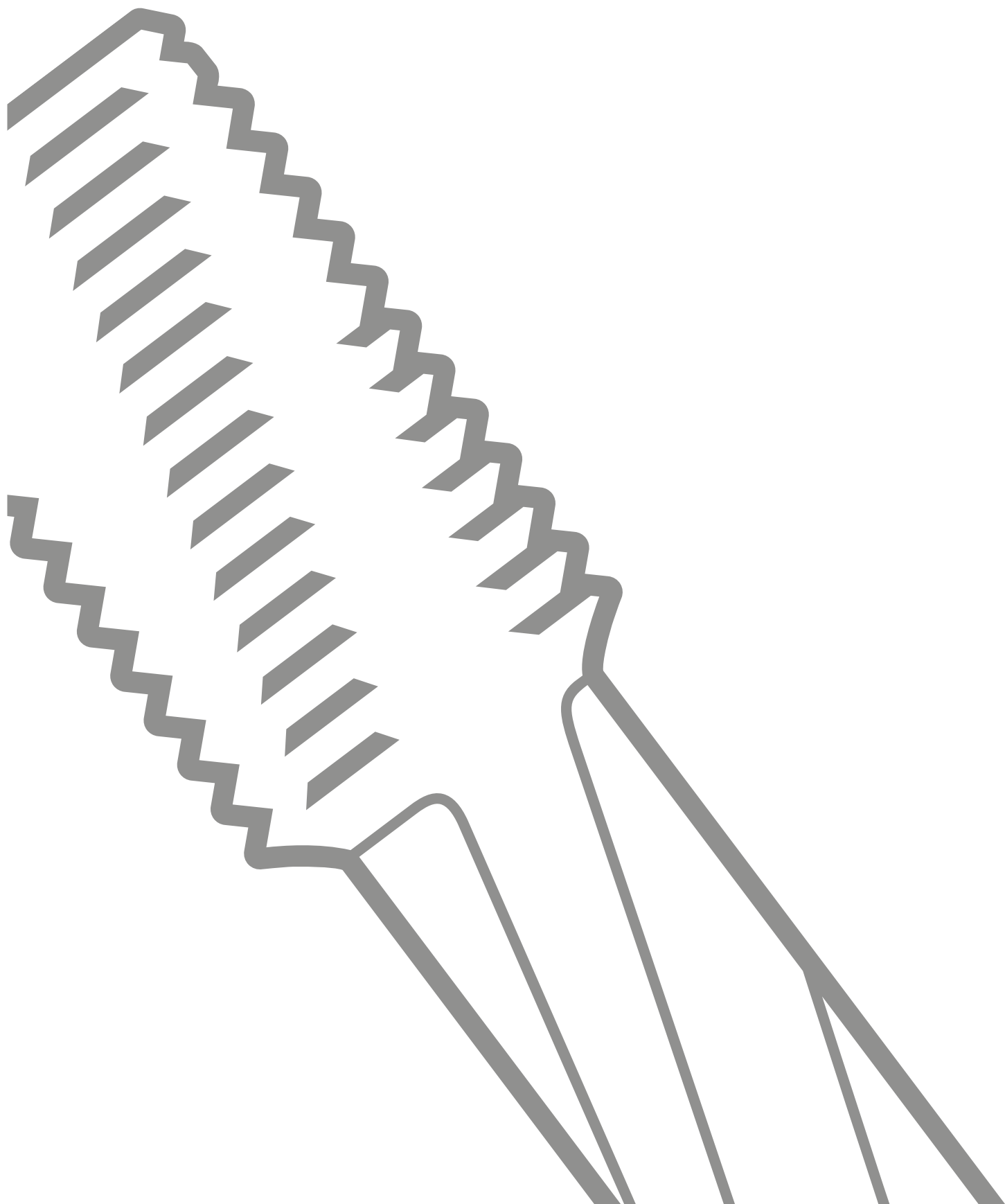
☺
Good

☺
Moderate

•• Primary application

• Other application

WALTER THREADING TOOLS



	Page	
HSS-E (-PM) taps	The benefits of Walter threading tools	344
	Product range overview	346
	Walter Select – HSS-E (-PM) taps	350
	M – Metric thread	354
	MF – Metric fine-pitch thread	377
	UNC/UNF	385
	G (BSP)	400
Solid carbide taps	Product range overview	402
	M – Metric thread	403
	G (BSP)	405
HSS-E (-PM) and solid carbide thread formers	Product range overview	406
	M – Metric thread	413
	MF – Metric fine-pitch thread	442
	UNC/UNF	453
	G (BSP)	459
Thread milling cutters	Product range overview	460
	Walter Select – Thread milling cutters	462
	Multi-row thread milling cutters	464
	Orbital drill/thread mills	473
	Solid carbide orbital thread milling cutters	477
	Indexable insert thread milling cutters	490

FINAL PRECISION WORK

WITH PROCESS RELIABILITY.

There are two types of threads in mould and die making: Connecting threads, usually for temperature control systems; and mounting threads, for connecting tool components to each other or to the machine. Mounting threads have to cope with strong mechanical forces. Connecting threads have to withstand high pressures and be tightly sealed against liquids.

Connecting threads must not come loose in the event of vibration. They are therefore often made metric fine-pitch and from hard material (e.g. hardened steels or tool steel). Long-chipping materials can be problematic. The chips can wrap around the tool and even lead to tool breakage. Therefore, thread forming or milling is recommended here.

Thread milling cutters provide space for chip removal. For large dimensions, they may even be the only solution with indexable inserts, e.g. if solid tools are not practical due to excessive torques or costs. In the case of small and medium-sized threads, moulding may increase process reliability because no chips are produced per se.*

* There are restrictions here, especially in the aerospace, medical and food industries

THE BENEFITS OF WALTER THREADING TOOLS

Taps:

Dimensionally accurate due to wide standard range (e.g. very long HSS-E taps for deep threads and interference contours).

Ideal for long overhangs and demanding machining operations:
Low-vibration tools with Walter DeVibe technology.

Tapping with the lowest possible displacement – without additional adjustment steps.

Thread formers:

Through-hole and blind-hole threads can be machined with the same tool.

Chip-free machining of all mouldable materials for maximum process reliability.

Lowest costs per thread due to long tool life of the formers (as no cutting corner can become worn here).

Innovative geometries and highly wear-resistant HiPIMS coatings maximise tool edge life (e.g. TC420/TC430 Supreme)

Thread milling cutters:

High process reliability and flexibility due to adjustable tolerance range.




Threads of different sizes (same pitch) can be produced extremely reliably using the same tool (even small threads: M2 = TMO HRC; M1.6 = TMO).

Short machining times (e.g. with orbital thread milling cutters such as the TC685 Supreme) – core hole and thread are produced with the same tool.



Threading of very hard materials up to 65 HRC.

With Walter GPS, users benefit from threading strategies that are optimised for the individual application, including cutting data. Data that can be retrieved and used directly at the click of a mouse!








Product range overview – HSS-E (-PM) taps M – Metric thread

Machining		
Thread depth	$3,5 \times D_N$	
Designation	TC216 Perform	Prototex® Eco Plus
Dimension range	M 1.6–M 20	M 2–M 30
Tolerance	6H	6GX / 6HX
Coolant supply	External	External/radial
Chamfer form	B	B
Coating/grade	WY80AA / WY80FC	THL / TIN
Version length	M	M
		












Machining						
Thread depth	$3,5 \times D_N$	$2,5 \times D_N$	$3 \times D_N$			
Designation	Prototex® Eco Plus	Paradur® H 24	TC115 Perform	Paradur® Eco Plus	Paradur® Eco Plus	Paradur® X-pert P
Dimension range	M 3 LH–M 10 LH	M 3–M 16	M 1.6–M 20	M 2–M 24	M 3 LH–M 20 LH	M 3–M 20
Tolerance	6HX	6HX	6H	6GX / 6HX	6HX	6H
Coolant supply	External	External	External	Axial/external/radial	External	External
Chamfer form	B	C	C / E	C / E	C	C
Coating/grade	THL	Uncoated	WY80AA / WY80FC	THL / TIN	THL	THL/uncoated
Version length	M	M	M	M	M	
						

Machining	
Thread depth	$3,5 \times D_N$
Designation	Paradur® HT
Dimension range	M 4–M 36
Tolerance	6H
Coolant supply	Axial
Chamfer form	C
Coating/grade	TIN
Version length	M
	

Product range overview – HSS-E (-PM) taps MF – Metric fine-pitch thread

Machining					
Thread depth	$3,5 \times D_N$		$3 \times D_N$		$3,5 \times D_N$
Designation	TC216 Perform	Prototex® Eco Plus	TC115 Perform	Paradur® Eco Plus	Paradur® HT
Dimension range	MF 8x1– MF 18x1.5	MF 6x0.75– MF 22x1.5	MF 8x1– MF 18x1.5	MF 6x0.75– MF 22x1.5	MF 10x1– MF 33x2
Tolerance	6H	6HX	6H	6HX	6H
Coolant supply	External	External/radial	External	Axial/external	Axial
Chamfer form	B	B	C	C / E	C
Coating/grade	WY80AA / WY80FC	THL	WY80AA / WY80FC	THL	TIN
Version length	M	M	M	M	M
					

Product range overview – HSS-E (-PM) taps UNC / UNF / UNEF / UN-8 / UNS

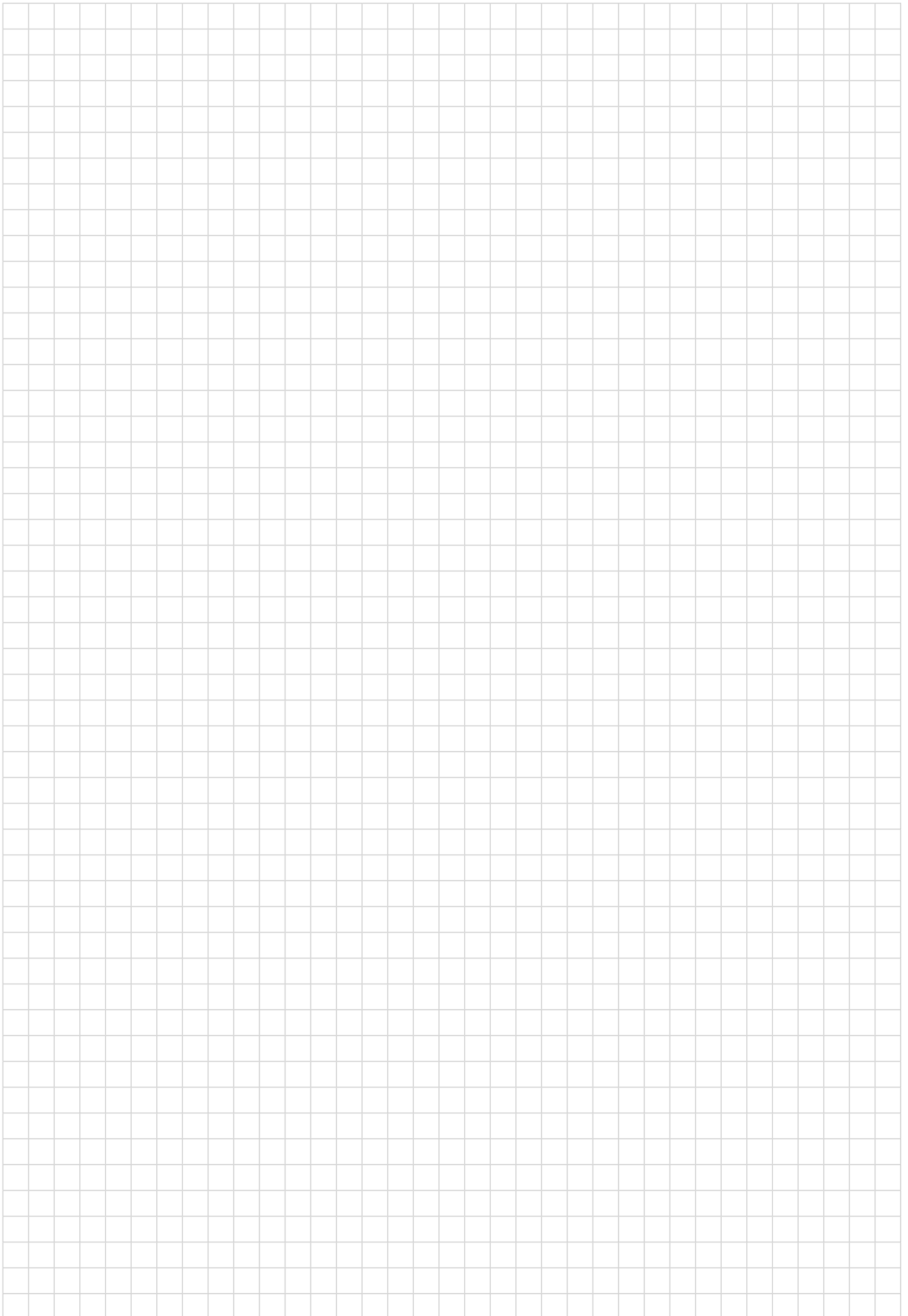
Machining						
Thread depth	$3,5 \times D_N$	$3,5 \times D_N$	$3 \times D_N$	$3 \times D_N$	$3,5 \times D_N$	$3,5 \times D_N$
Designation	TC216 Perform	Prototex® Eco Plus	TC115 Perform	Paradur® Eco Plus	Paradur® HT	TC216 Perform
Dimension range	UNC 6-32– UNC 3/4-10	UNC 2-56– UNC 5/8-11	UNC 6-32– UNC 3/4-10	UNC 2-56– UNC 3/4-10	UNC 1/4-20– UNC 1"-8	UNF 6-40– UNF 3/4-16
Tolerance	2B	2B	2B	2B	2B	2B
Coolant supply	External	External	External	Axial/external	Axial	External
Chamfer form	B	B	C	C	C	B
Coating/grade	WY80AA	THL	WY80AA	THL	TIN	WY80AA
Version length	M	M	M	M	M	M
						

Product range overview – HSS-E (-PM) taps UNC / UNF / UNEF / UN-8 / UNS

Machining				
Thread depth	$3,5 \times D_N$	$3 \times D_N$	$3 \times D_N$	$3 \times D_N$
Designation	Prototex® Eco Plus	TC115 Perform	TC115 Perform	Paradur® Eco Plus
Dimension range	UNF 4-48– UNF 5/8-18	UNF 6-40– UNF 1/2-20	UNF 10-32– UNF 3/4-16	UNF 4-48– UNF 5/8-18
Tolerance	2B	2B	2B	2B
Coolant supply	External	External	External	Axial/external
Chamfer form	B	C	C	C
Coating/grade	THL	WY80AA	WY80AA	THL
Version length	M	M	M	M

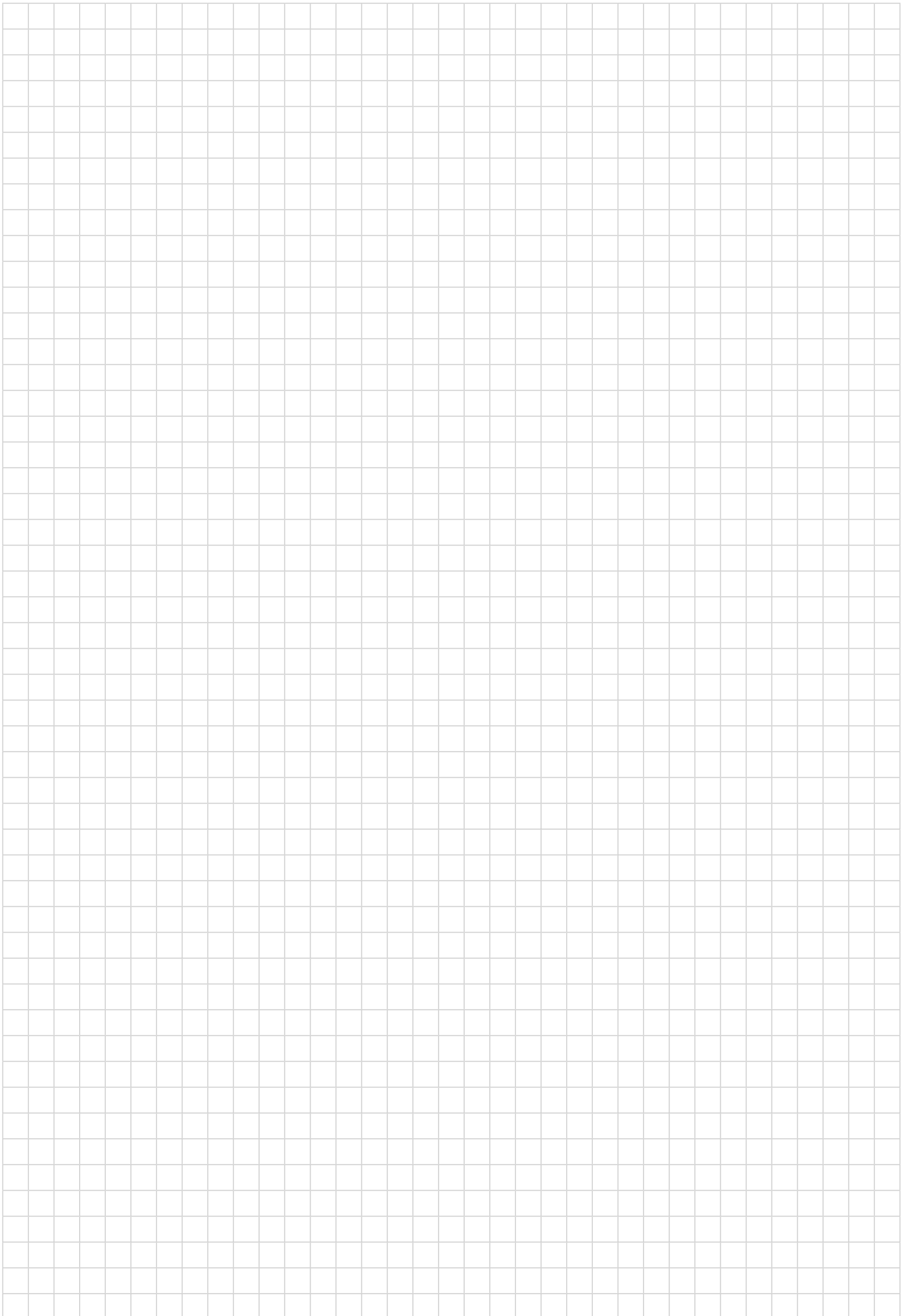
Product range overview – HSS-E (-PM) taps G / Rc / Rp

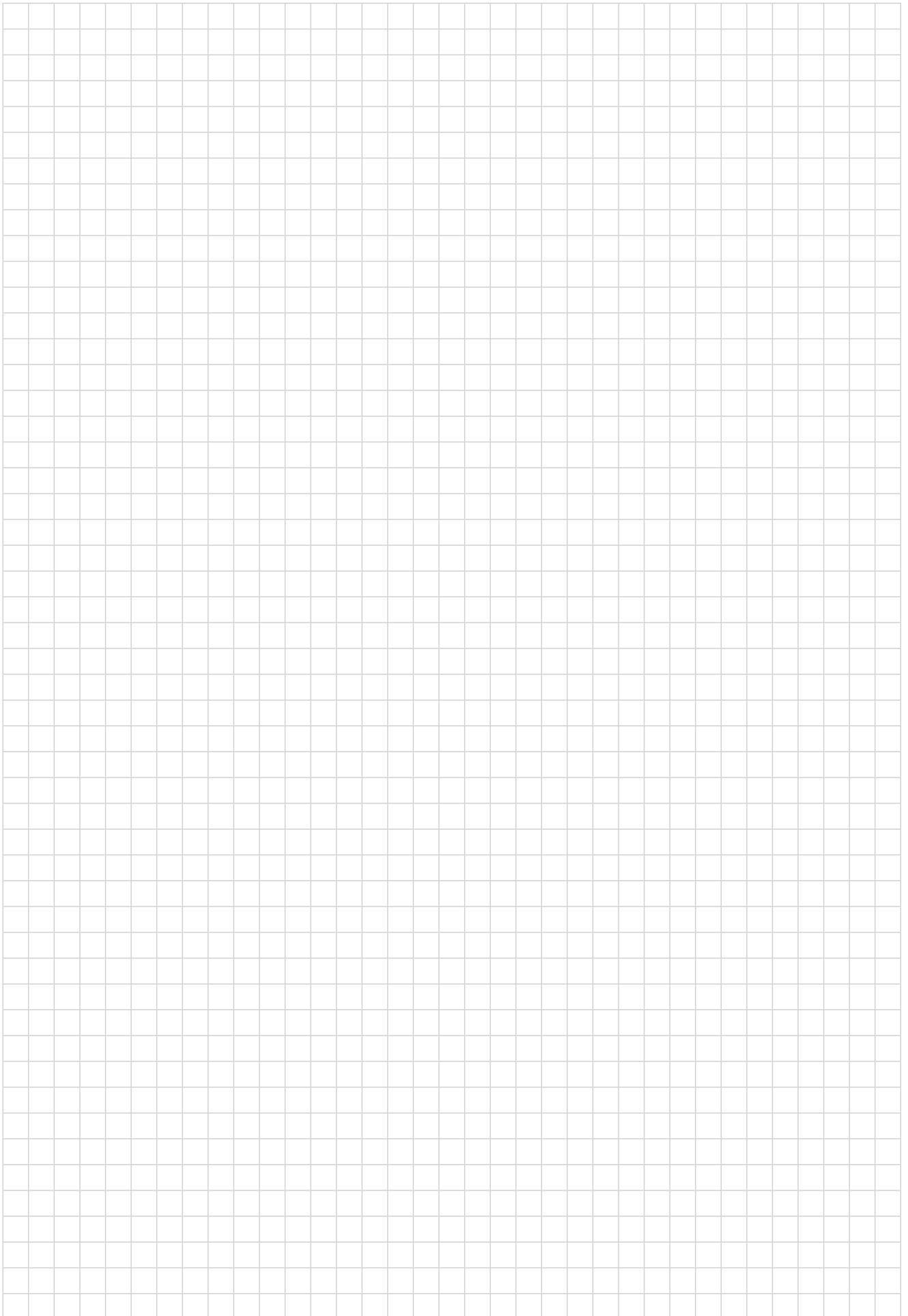
Machining		
Thread depth	$3,5 \times D_N$	$3 \times D_N$
Designation	Prototex® Eco Plus	Paradur® Eco Plus
Dimension range	G 1/8-28– G 1"-11	G 1/8-28– G 1"-11
Tolerance	NORMAL	NORMAL
Coolant supply	External	External
Chamfer form	B	C
Coating/grade	THL	THL
Version length	M	M



Walter Select HSS-E (-PM) taps

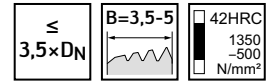
Material group				Machining				
				Thread depth			3,5 × D _N	
				Designation			Prototex® Eco Plus	TC216 Perform
				Coolant supply			External/radial	External
				Coating/grade			THL / TIN	WY80AA / WY80FC
				Thread type Page			M MF UNC UNF G	M MF UNC UNF
				Brinell hardness HB	Tensile strength R _m (N/mm ²)	Machining size		
P	Non-alloyed steel	C ≤ 0,25%	Annealed	125	62	P1	●●	●●
		C > 0,25... ≤ 0,55%	Annealed	190	93	P2	●●	●●
		C > 0,25... ≤ 0,55%	Heat-treated	210	103	P3	●●	●●
		C > 0,55%	Annealed	190	93	P4	●●	●●
		C > 0,55%	Heat-treated	300	146	P5	●●	●●
		Free-machining steel (short-chipping)	Annealed	220	109	P6	●●	●●
	Low-alloy steel	Annealed	175	86	P7	●●	●●	
		Heat-treated	285	139	P8	●●	●	
		Heat-treated	380	186	P9	●●		
		Heat-treated	430	215	P10			
	High-alloy steel and high-alloy tool steel	Annealed	200	99	P11	●●	●●	
		Hardened and tempered	300	146	P12	●●		
		Hardened and tempered	380	186	P13	●●		
	Stainless steel	Ferritic/martensitic, annealed	200	99	P14	●●	●●	
		Martensitic, heat-treated	330	161	P15	●●		
M	Stainless steel	Austenitic, quench hardened	200	99	M1	●●	●●	
		Austenitic, precipitation hardened (PH)	300	146	M2	●●		
		Austenitic/ferritic, duplex	230	113	M3	●●	●●	
K	Malleable cast iron	Ferritic	200	58	K1	●●	●●	
		Pearlitic	260	102	K2	●●	●●	
	Grey cast iron	Low strength	180	29	K3	●	●	
		High strength/austenitic	245	51	K4	●	●	
	Cast iron with spheroidal graphite	Ferritic	155	58	K5	●●	●●	
		Pearlitic	265	102	K6	●●	●●	
	GGV (CGI)		230	58	K7	●		
N	Wrought aluminium alloys	Not hardenable	30	-	N1			
		Hardenable, hardened	100	49	N2	●●	●●	
	Cast aluminium alloys	≤ 12% Si, not hardenable	75	38	N3	●●	●●	
		≤ 12% Si, hardenable, hardened	90	45	N4	●●	●●	
		> 12% Si, not hardenable	130	65	N5	●		
	Magnesium-based alloys		70	36	N6			
	Copper and copper alloys (bronze/brass)	Unalloyed, electrolytic copper	100	49	N7	●	●	
Brass, bronze, red brass		90	45	N8	●	●		
Cu alloys, short-chipping		110	55	N9	●	●		
High-tensile, Ampco		300	146	N10				
S	Heat-resistant alloys	Fe-based	Annealed	200	99	S1		
			Hardened	280	136	S2		
		Ni- or Co-based	Annealed	250	122	S3		
			Hardened	350	171	S4		
			Cast	320	157	S5		
	Titanium alloys	Pure titanium	200	99	S6			
		α and β alloys, hardened	375	183	S7			
		β alloys	410	203	S8			
Tungsten alloys		300	146	S9				
Molybdenum alloys		300	146	S10				
H	Hardened steel		<63 HRC	-	H1-H4			
O	Plastics, graphite				01-06			



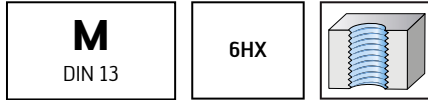


HSS-E-PM machine taps

Prototex® Eco Plus

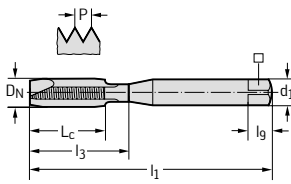


– For long-chipping materials



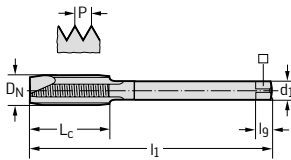
	P	M	K	N	S	H	O
THL	●	●	●	●			
TIN	●	●	●	●			

DIN 371



Designation THL	Designation TIN	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N
EP2021302-M2	EP2021305-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2021302-M2.5	EP2021305-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2021302-M3	EP2021305-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2021302-M4	EP2021305-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2021302-M5	EP2021305-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2021302-M6	EP2021305-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021302-M8	EP2021305-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021302-M10	EP2021305-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376

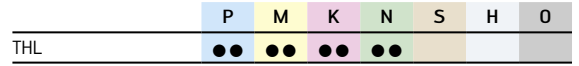
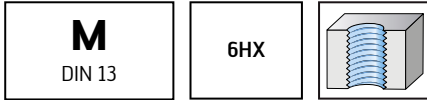


Designation THL	Designation TIN	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N
EP2026302-M12	EP2026305-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026302-M14	EP2026305-M14	M 14	2	110	25	81	11	9	12	4
EP2026302-M16	EP2026305-M16	M 16	2	110	25	68	12	9	12	4
EP2026302-M18	EP2026305-M18	M 18	2,5	125	30	81	14	11	14	4
EP2026302-M20	EP2026305-M20	M 20	2,5	140	30	95	16	12	15	4
EP2026302-M24	EP2026305-M24	M 24	3	160	36	113	18	14,5	17	4
EP2026302-M27		M 27	3	160	36	97	20	16	19	4
EP2026302-M30		M 30	3,5	180	42	115	22	18	21	4

HSS-E-PM machine taps Prototex® Eco Plus

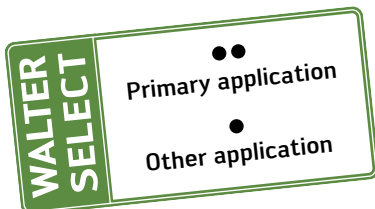


– For long-chipping materials



DIN 371		Designation	D_N	P	l_1	L_c	l_3	d_1	h_9	l_9	N
		THL		mm	mm	mm	mm	mm	mm	mm	
		EP2021342-M6	M 6	1	80	15	30	6	4,9	8	3
		EP2021342-M8	M 8	1,25	90	18	35	8	6,2	9	3
		EP2021342-M10	M 10	1,5	100	20	39	10	8	11	3

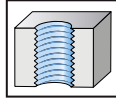
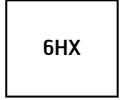
DIN 376		Designation	D_N	P	l_1	L_c	l_3	d_1	h_9	l_9	N
		THL		mm	mm	mm	mm	mm	mm	mm	
		EP2026342-M12	M 12	1,75	110	23	83	9	7	10	4
		EP2026342-M16	M 16	2	110	25	68	12	9	12	4



HSS-E-PM machine taps
Prototex® Eco Plus

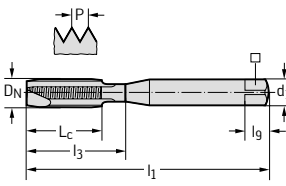


- For long-chipping materials



	P	M	K	N	S	H	O
THL	●	●	●	●			

DIN 371



Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2021382-M3	M 3 - LH	0,5	56	9	18	3,5	2,7	6	3
EP2021382-M4	M 4 - LH	0,7	63	12	21	4,5	3,4	6	3
EP2021382-M5	M 5 - LH	0,8	70	13	25	6	4,9	8	3
EP2021382-M6	M 6 - LH	1	80	15	30	6	4,9	8	3
EP2021382-M8	M 8 - LH	1,25	90	18	35	8	6,2	9	3
EP2021382-M10	M 10 - LH	1,5	100	20	39	10	8	11	3

HSS-E-PM machine taps Prototex® Eco Plus



- For long-chipping materials

$\leq 3,5 \times D_N$

$B=3,5-5$

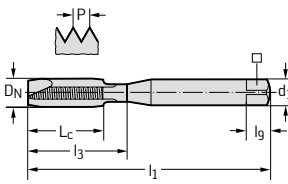
42HRC
1350
-500
N/mm ²

M
DIN 13

6GX

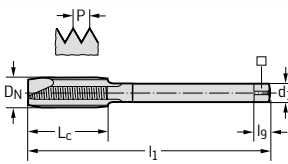
	P	M	K	N	S	H	O
THL	●	●	●	●	●	●	●
TIN	●	●	●	●	●	●	●

DIN 371



Designation THL	Designation TIN	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N
EP2023302-M2	EP2023305-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2023302-M2.5	EP2023305-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2023302-M3	EP2023305-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2023302-M4	EP2023305-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2023302-M5	EP2023305-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2023302-M6	EP2023305-M6	M 6	1	80	15	30	6	4,9	8	3
EP2023302-M8	EP2023305-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2023302-M10	EP2023305-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



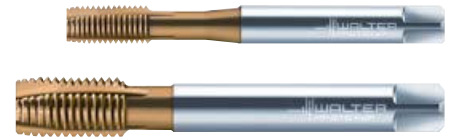
Designation THL	Designation TIN	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N
EP2028302-M12		M 12	1,75	110	23	83	9	7	10	4
EP2028302-M14		M 14	2	110	25	81	11	9	12	4
EP2028302-M16		M 16	2	110	25	68	12	9	12	4

WALTER SELECT

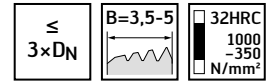
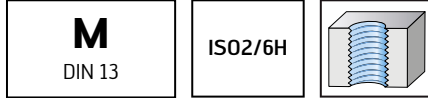
● ● Primary application

● Other application

HSS-E machine taps TC216 Perform

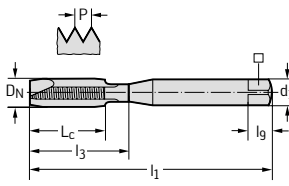


- For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●	●	●	●	■	■	■
WY80FC	●	●	●	●	■	■	■

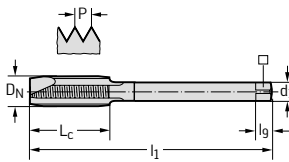
DIN 371



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA	WY80FC
TC216-M1.6-C0-	M 1.6	0,35	40	7	7	2,5	2,1	5	2	●	●
TC216-M2-C0-	M 2	0,4	45	6	9	2,8	2,1	5	2	●	●
TC216-M2.5-C0-	M 2.5	0,45	50	8	12,5	2,8	2,1	5	2	●	●
TC216-M3-C0-	M 3	0,5	56	9	18	3,5	2,7	6	2	●	●
TC216-M4-C0-	M 4	0,7	63	12	21	4,5	3,4	6	3	●	●
TC216-M5-C0-	M 5	0,8	70	13	25	6	4,9	8	3	●	●
TC216-M6-C0-	M 6	1	80	15	30	6	4,9	8	3	●	●
TC216-M8-C0-	M 8	1,25	90	18	35	8	6,2	9	3	●	●
TC216-M10-C0-	M 10	1,5	100	20	39	10	8	11	3	●	●

Ordering example for the WY80FC grade: TC216-M3-C0-WY80FC

DIN 376



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA	WY80FC
TC216-M12-L0-	M 12	1,75	110	23	83	9	7	10	3	●	●
TC216-M14-L0-	M 14	2	110	25	81	11	9	12	4	●	●
TC216-M16-L0-	M 16	2	110	25	68	12	9	12	4	●	●
TC216-M20-L0-	M 20	2,5	140	30	95	16	12	15	4	●	●

Ordering example for the WY80FC grade: TC216-M12-L0-WY80FC

HSS-E tap set 1

TC216 Perform

$\leq 3 \times D_N$

$B=3,5-5$

32HRC
 1000
 -350
 N/mm²

- Universal tap set

M
 DIN 13

ISO2/6H

	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●●			
WY80FC	●●	●●	●●	●●			
Uncoated							

Tool	Designation	D _N	Quantity			
				WY80AA	WY80FC	Uncoated
	TC216-SET1-M3-M12-	M 3-M 12	7	☒	☒	

Ordering example for the WY80FC grade: TC216-SET1-M3-M12-WY80FC
 Bodies and assembly parts are included in the scope of delivery

WALTER
 SELECT

Best tool for

Good

Average

Poor

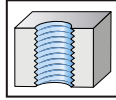
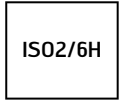
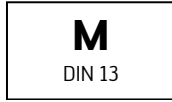
machining conditions

●●
Primary application

●
Other application

HSS-E tap set 2 TC216 Perform

- Universal tap set
- Incl. core-hole drill



\leq
3×D_N

B=3,5-5

32HRC
 1000
 -350
 N/mm²

	P	M	K	N	S	H	O
WY80AA	●	●	●	●			
WY80FC	●	●	●	●			
Uncoated							

Tool	Designation	D _N	Sets dia. mm	Quantity	WY80AA	WY80FC	Uncoated
	TC216-SET2-M3-M12-	M 3-M 12	2,5-10,2	14			

Ordering example for the WY80FC grade: TC216-SET2-M3-M12-WY80FC
 Bodies and assembly parts are included in the scope of delivery

HSS-E-PM machine taps Paradur® Eco Plus



– For long-chipping materials

≤
3×DN

C=2-3

45°

38HRC
1250
-500
N/mm²

M
DIN 13

6HX

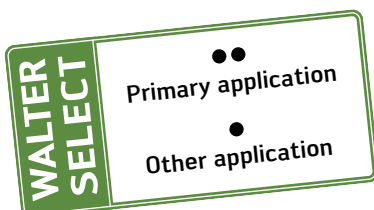
	P	M	K	N	S	H	O
THL	●	●	●	●	●		
TIN	●	●	●	●	●		

~DIN 371

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2051302-M2	EP2051305-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2051302-M2.5	EP2051305-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2051302-M3	EP2051305-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2051302-M4	EP2051305-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051302-M5	EP2051305-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051302-M6	EP2051305-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051302-M8	EP2051305-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051302-M10	EP2051305-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	EP2056305-M12	M 12	1,75	110	16	83	9	7	10	4
	EP2056305-M14	M 14	2	110	20	81	11	9	12	4
	EP2056305-M16	M 16	2	110	20	68	12	9	12	4
	EP2056305-M18	M 18	2,5	125	25	81	14	11	14	4
	EP2056305-M20	M 20	2,5	140	25	95	16	12	15	4
	EP2056305-M24	M 24	3	160	30	113	18	14,5	17	4

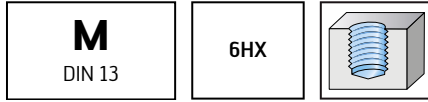


HSS-E-PM machine taps

Paradur® Eco Plus



– For long-chipping materials



	P	M	K	N	S	H	O
THL	●	●	●	●			

~DIN 371

Designation THL	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N
EP2051312-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051312-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051312-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051312-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051312-M10	M 10	1,5	100	15	39	10	8	11	3

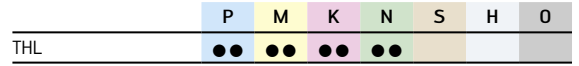
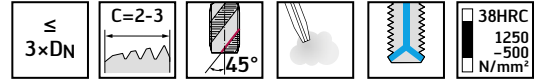
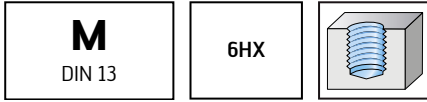
DIN 376

Designation THL	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N
EP2056312-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056312-M16	M 16	2	110	20	68	12	9	12	4
EP2056312-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056312-M24	M 24	3	160	30	113	18	14,5	17	4

HSS-E-PM machine taps Paradur® Eco Plus



– For long-chipping materials

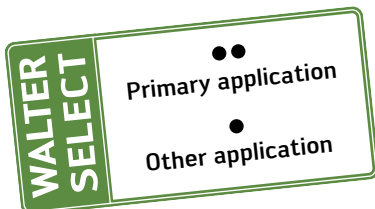


DIN 371

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2051342-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051342-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2056342-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056342-M16	M 16	2	110	20	68	12	9	12	4

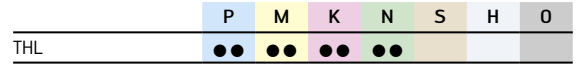
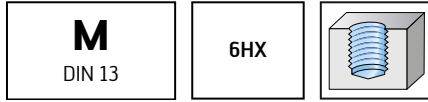


HSS-E-PM machine taps

Paradur® Eco Plus



– For long-chipping materials



~DIN 371

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2051382-M3	M 3 - LH	0,5	56	6	11	3,5	2,7	6	3
EP2051382-M4	M 4 - LH	0,7	63	7	14,8	4,5	3,4	6	3
EP2051382-M5	M 5 - LH	0,8	70	8	20,7	6	4,9	8	3
EP2051382-M6	M 6 - LH	1	80	10	25	6	4,9	8	3
EP2051382-M8	M 8 - LH	1,25	90	12	35	8	6,2	9	3
EP2051382-M10	M 10 - LH	1,5	100	15	39	10	8	11	3

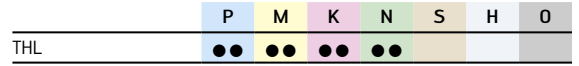
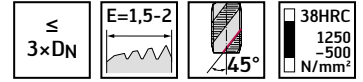
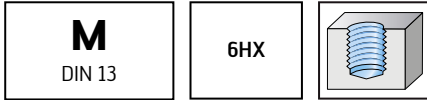
DIN 376

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2056382-M12	M 12 - LH	1,75	110	16	83	9	7	10	4
EP2056382-M14	M 14 - LH	2	110	20	81	11	9	12	4
EP2056382-M16	M 16 - LH	2	110	20	68	12	9	12	4
EP2056382-M18	M 18 - LH	2,5	125	25	81	14	11	14	4
EP2056382-M20	M 20 - LH	2,5	140	25	95	16	12	15	4

HSS-E-PM machine taps Paradur® Eco Plus



– For long-chipping materials

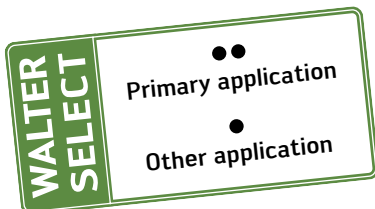


~DIN 371

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2051362-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051362-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051362-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051362-M8	M 8	1,25	90	12	35	8	6,2	9	4
EP2051362-M10	M 10	1,5	100	15	39	10	8	11	4

DIN 376

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2056362-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056362-M16	M 16	2	110	20	68	12	9	12	4
EP2056362-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056362-M24	M 24	3	160	30	113	18	14,5	17	5

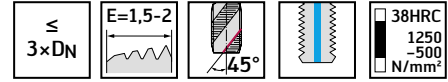
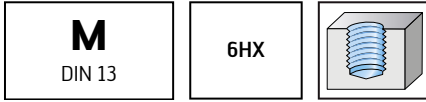


HSS-E-PM machine taps

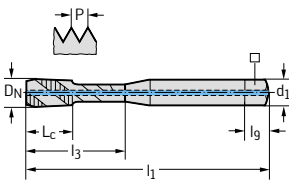
Paradur® Eco Plus



- For long-chipping materials

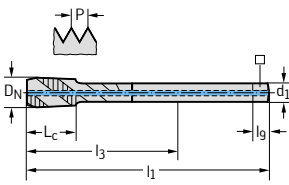


~DIN 371



Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2051352-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051352-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051352-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051352-M8	M 8	1,25	90	12	35	8	6,2	9	4
EP2051352-M10	M 10	1,5	100	15	39	10	8	11	4

DIN 376



Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2056352-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056352-M16	M 16	2	110	20	68	12	9	12	4
EP2056352-M20	M 20	2,5	140	25	95	16	12	15	4

HSS-E-PM machine taps Paradur® Eco Plus



– For long-chipping materials

≤
3×DN

C=2-3

45°

38HRC
1250
-500
N/mm²

M
DIN 13

6GX

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

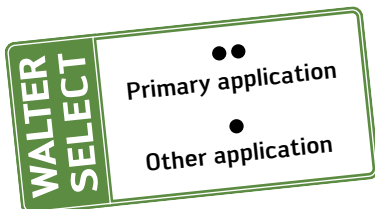
~DIN 371

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2053302-M2	EP2053305-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2053302-M2.5	EP2053305-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2053302-M3	EP2053305-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2053302-M4	EP2053305-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2053302-M5	EP2053305-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2053302-M6	EP2053305-M6	M 6	1	80	10	25	6	4,9	8	3
EP2053302-M8	EP2053305-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2053302-M10	EP2053305-M10	M 10	1,5	100	15	39	10	8	11	3

≤ M 2.5: Without thread taper

DIN 376

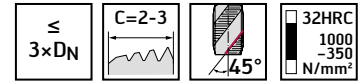
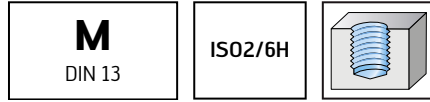
Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2058302-M12	EP2058305-M12	M 12	1,75	110	16	83	9	7	10	4
EP2058302-M14	EP2058305-M14	M 14	2	110	20	81	11	9	12	4
EP2058302-M16	EP2058305-M16	M 16	2	110	20	68	12	9	12	4



HSS-E machine taps TC115 Perform

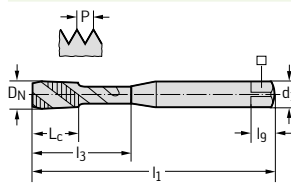


- For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●	●	●	●	●		
WY80FC	●	●	●	●	●		

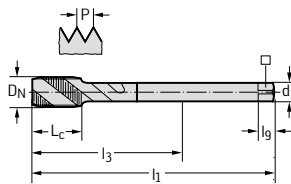
DIN 371



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA	WY80FC
TC115-M1.6-C0-	M 1.6	0,35	40	6	6	2,5	2,1	5	2	●	●
TC115-M2-C0-	M 2	0,4	45	4	9	2,8	2,1	5	3	●	●
TC115-M2.5-C0-	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3	●	●
TC115-M3-C0-	M 3	0,5	56	6	18	3,5	2,7	6	3	●	●
TC115-M4-C0-	M 4	0,7	63	7	21	4,5	3,4	6	3	●	●
TC115-M5-C0-	M 5	0,8	70	8	25	6	4,9	8	3	●	●
TC115-M6-C0-	M 6	1	80	10	30	6	4,9	8	3	●	●
TC115-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	3	●	●
TC115-M10-C0-	M 10	1,5	100	15	39	10	8	11	3	●	●

Ordering example for the WY80FC grade: TC115-M3-C0-WY80FC

DIN 376



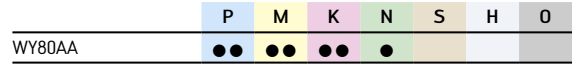
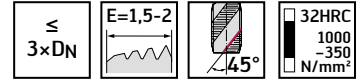
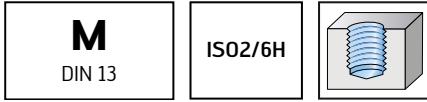
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA	WY80FC
TC115-M12-L0-	M 12	1,75	110	16	83	9	7	10	3	●	●
TC115-M14-L0-	M 14	2	110	20	81	11	9	12	3	●	●
TC115-M16-L0-	M 16	2	110	20	68	12	9	12	3	●	●
TC115-M20-L0-	M 20	2,5	140	25	95	16	12	15	4	●	●

Ordering example for the WY80FC grade: TC115-M12-L0-WY80FC

HSS-E machine taps TC115 Perform



- For long-chipping materials

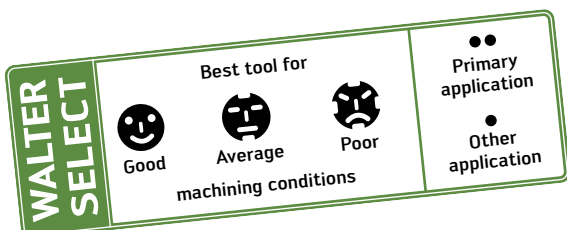


DIN 371		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WY80AA
		TC115-M3-CE-	M 3	0,5	56	6	18	3,5	2,7	6	3	
		TC115-M4-CE-	M 4	0,7	63	7	21	4,5	3,4	6	3	
		TC115-M5-CE-	M 5	0,8	70	8	25	6	4,9	8	3	
		TC115-M6-CE-	M 6	1	80	10	30	6	4,9	8	3	
		TC115-M8-CE-	M 8	1,25	90	12	35	8	6,2	9	3	
		TC115-M10-CE-	M 10	1,5	100	15	39	10	8	11	3	

Ordering example for the WY80AA grade: TC115-M3-CE-WY80AA

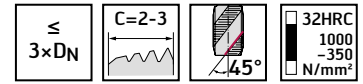
DIN 376		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WY80AA
		TC115-M12-LE-	M 12	1,75	110	16	83	9	7	10	3	
		TC115-M14-LE-	M 14	2	110	20	81	11	9	12	3	
		TC115-M16-LE-	M 16	2	110	20	68	12	9	12	3	
		TC115-M20-LE-	M 20	2,5	140	25	95	16	12	15	4	

Ordering example for the WY80AA grade: TC115-M12-LE-WY80AA

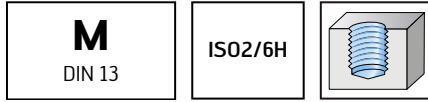


HSS-E tap set 1

TC115 Perform



- Universal tap set



	P	M	K	N	S	H	O
WY80AA	●	●	●	●			
WY80FC	●	●	●	●			
Uncoated							

Tool	Designation	D _N	Quantity	WY80AA	WY80FC	Uncoated
	TC115-SET1-M3-M12-	M 3-M 12	7	☒	☒	

Ordering example for the WY80FC grade: TC115-SET1-M3-M12-WY80FC
 Bodies and assembly parts are included in the scope of delivery

HSS-E tap set 2 TC115 Perform

- Universal tap set
- Incl. core-hole drill

≤
3×D_N

C=2-3

45°

32HRC
1000
-350
N/mm²

M
DIN 13

ISO2/6H

	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●			
WY80FC	●●	●●	●●	●			
Uncoated							

Tool	Designation	D _N	Sets dia. mm	Quantity	WY80AA		WY80FC		Uncoated
					●●	●●	●●	●●	
	TC115-SET2-M3-M12-	M 3-M 12	2,5-10,2	14	●●	●●	●●	●●	

Ordering example for the WY80FC grade: TC115-SET2-M3-M12-WY80FC
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

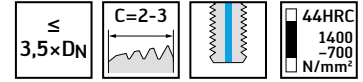
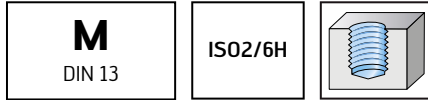
●●
Primary
application

●
Other
application

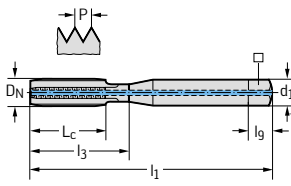
HSS-E machine taps Paradur® HT



- For long-chipping and short-chipping materials

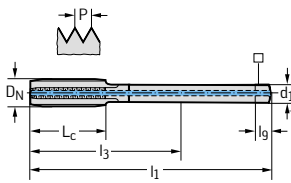


DIN 371



Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
2031115-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
2031115-M5	M 5	0,8	70	13	25	6	4,9	8	3
2031115-M6	M 6	1	80	15	30	6	4,9	8	3
2031115-M8	M 8	1,25	90	18	35	8	6,2	9	3
2031115-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376

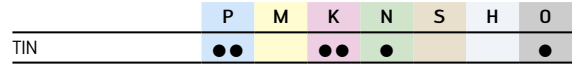
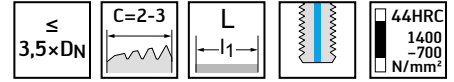
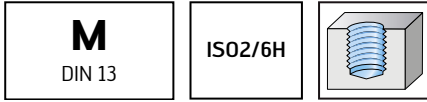


Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
2036115-M12	M 12	1,75	110	23	83	9	7	10	3
2036115-M14	M 14	2	110	25	81	11	9	12	3
2036115-M16	M 16	2	110	25	68	12	9	12	3
2036115-M20	M 20	2,5	140	30	95	16	12	15	3
2036115-M22	M 22	2,5	140	30	93	18	14,5	17	3
2036115-M24	M 24	3	160	36	113	18	14,5	17	4
2036115-M27	M 27	3	160	36	97	20	16	19	4
2036115-M30	M 30	3,5	180	42	115	22	18	21	4
2036115-M36	M 36	4	200	48	131	28	22	25	5

HSS-E machine taps Paradur® HT

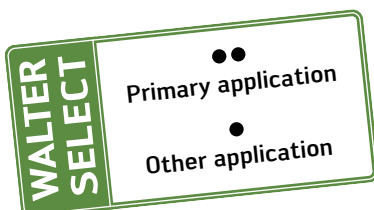


- For long-chipping and short-chipping materials



~DIN 376 L

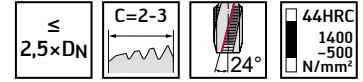
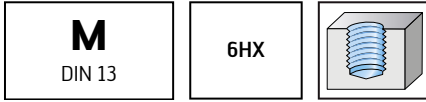
Designation TIN	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N
2036155-M8	M 8	1,25	110	18	87	6	4,9	8	3
2036155-M10	M 10	1,5	125	20	102	7	5,5	8	3
2036155-M12	M 12	1,75	140	23	113	9	7	10	3
2036155-M14	M 14	2	140	25	111	11	9	12	3
2036155-M16	M 16	2	160	25	118	12	9	12	3
2036155-M20	M 20	2,5	180	30	135	16	12	15	3
2036155-M22	M 22	2,5	200	30	153	18	14,5	17	3
2036155-M24	M 24	3	200	36	153	18	14,5	17	4
2036155-M27	M 27	3	225	36	162	20	16	19	4
2036155-M30	M 30	3,5	250	42	185	22	18	21	4
2036155-M33	M 33	3,5	275	42	208	25	20	23	4
2036155-M36	M 36	4	300	48	231	28	22	25	5



HSS-E-PM machine taps
Paradur® H 24

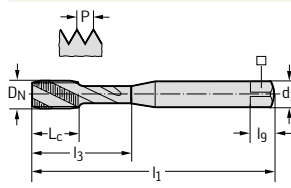


- For long-chipping materials



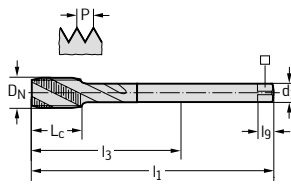
	P	M	K	N	S	H	O
Uncoated	●	●	●	●	●	●	●

~DIN 371



Designation Uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
204107-M3	M 3	0,5	56	11	11	3,5	2,7	6	3
204107-M4	M 4	0,7	63	15	15	4,5	3,4	6	3
204107-M5	M 5	0,8	70	18,5	18,5	6	4,9	8	3
204107-M6	M 6	1	80	15	30	6	4,9	8	3
204107-M8	M 8	1,25	90	18	38	8	6,2	9	3
204107-M10	M 10	1,5	100	20	45	10	8	11	3

DIN 376

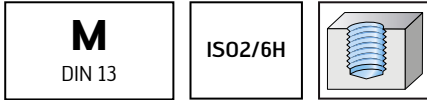
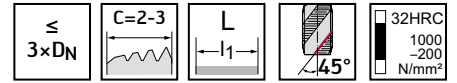


Designation Uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
204607-M12	M 12	1,75	110	23	83	9	7	10	4
204607-M16	M 16	2	110	25	68	12	9	12	4

HSS-E machine taps Paradur® X-pert P



- For long-chipping materials



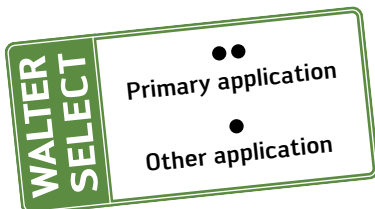
	P	M	K	N	S	H	O
THL	●	●	●	●	●	●	●
Uncoated	●	●	●	●	●	●	●

~DIN 371 L

Designation THL	Designation Uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P2051832-M3	P205183-M3	M 3	0,5	112	6	18	3,5	2,7	6	3
P2051832-M4	P205183-M4	M 4	0,7	112	7	21	4,5	3,4	6	3
P2051832-M5	P205183-M5	M 5	0,8	125	8	25	6	4,9	8	3
P2051832-M6	P205183-M6	M 6	1	125	10	30	6	4,9	8	3
P2051832-M8	P205183-M8	M 8	1,25	140	13	40	8	6,2	9	3
P2051832-M10	P205183-M10	M 10	1,5	160	15	50	10	8	11	3

~DIN 376 L

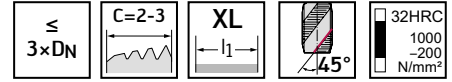
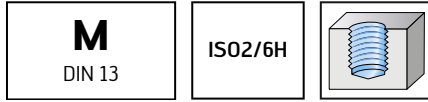
Designation THL	Designation Uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P2056832-M8		M 8	1,25	140	12	117	6	4,9	8	3
P2056832-M10		M 10	1,5	160	15	137	7	5,5	8	3
P2056832-M12		M 12	1,75	180	16	153	9	7	10	3
P2056832-M14		M 14	2	180	20	151	11	9	12	3
P2056832-M16		M 16	2	200	20	158	12	9	12	3
P2056832-M20		M 20	2,5	224	25	179	16	12	15	4



HSS-E machine taps Paradur® X-pert P



- For long-chipping materials



	P	M	K	N	S	H	O
Uncoated	●●			●			●

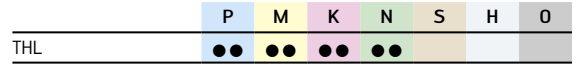
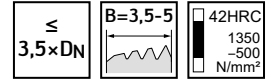
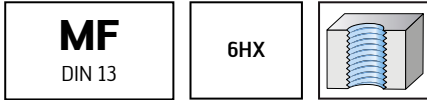
~DIN 371 XL

Designation Uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P2051935-M3	M 3	0,5	125	6	18	3,5	2,7	6	3
P2051935-M4	M 4	0,7	125	7	21	4,5	3,4	6	3
P2051935-M5	M 5	0,8	140	8	25	6	4,9	8	3
P2051935-M6	M 6	1	160	10	30	6	4,9	8	3
P2051935-M8	M 8	1,25	180	13	35	8	6,2	9	3
P2051935-M10	M 10	1,5	200	15	39	10	8	11	3

HSS-E-PM machine taps Prototex® Eco Plus



- For long-chipping materials

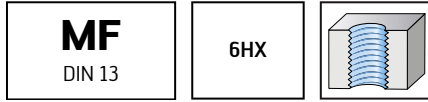


DIN 374		Designation	D_N	P	l_1	L_c	l_3	d_1	\square	l_g	N
		THL		mm	mm	mm	mm	mm	mm	mm	
		EP2126302-M6X0.75	MF 6x0.75	0,75	80	15	59	4,5	3,4	6	3
		EP2126302-M8X1	MF 8x1	1	90	18	67	6	4,9	8	3
		EP2126302-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
		EP2126302-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
		EP2126302-M12X1	MF 12x1	1	100	21	73	9	7	10	4
		EP2126302-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
		EP2126302-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
		EP2126302-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
		EP2126302-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
		EP2126302-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
		EP2126302-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
		EP2126302-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4

HSS-E-PM machine taps Prototex® Eco Plus

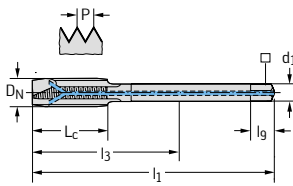


- For long-chipping materials

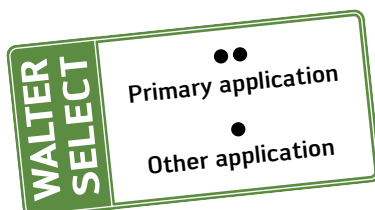


	P	M	K	N	S	H	O
THL	●	●	●	●			

DIN 374



Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2126342-M8X1	MF 8x1	1	90	18	67	6	4,9	5	3
EP2126342-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
EP2126342-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
EP2126342-M12X1	MF 12x1	1	100	21	73	9	7	10	4
EP2126342-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
EP2126342-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
EP2126342-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
EP2126342-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
EP2126342-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
EP2126342-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	12	4



HSS-E machine taps TC216 Perform



- For long-chipping materials

$\leq 3 \times D_N$

$B=3,5-5$

32HRC
 1000-350
 N/mm²

MF
DIN 13

ISO2/6H

	P	M	K	N	S	H	O
WY80AA	●	●	●	●	■	■	■
WY80FC	●	●	●	●	■	■	■

DIN 374	Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N	WY80AA	WY80FC
	TC216-M8X1-L0-	MF 8x1	1	90	18	67	6	4,9	8	3	●	●
	TC216-M10X1-L0-	MF 10x1	1	90	20	67	7	5,5	8	3	●	●
	TC216-M10X1.25-L0-	MF 10x1.25	1,25	100	20	77	7	5,5	8	3	●	●
	TC216-M12X1.25-L0-	MF 12x1.25	1,25	100	21	73	9	7	10	4	●	●
	TC216-M12X1.5-L0-	MF 12x1.5	1,5	100	21	73	9	7	10	4	●	●
	TC216-M14X1.5-L0-	MF 14x1.5	1,5	100	21	71	11	9	12	4	●	●
	TC216-M16X1.5-L0-	MF 16x1.5	1,5	100	21	58	12	9	12	4	●	●
TC216-M18X1.5-L0-	MF 18x1.5	1,5	110	24	66	14	11	14	4	●	●	

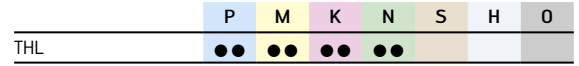
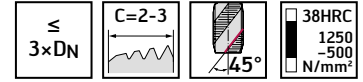
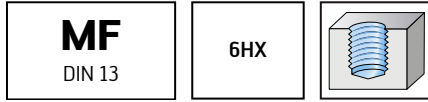
Ordering example for the WY80FC grade: TC216-M8X1-L0-WY80FC

HSS-E-PM machine taps

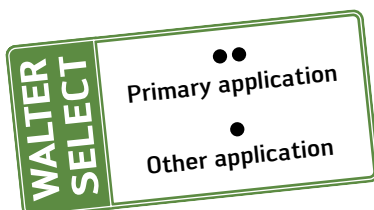
Paradur® Eco Plus



– For long-chipping materials



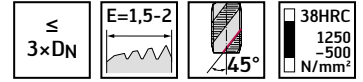
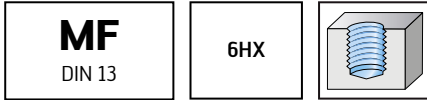
DIN 374		Designation	D_N	P	l_1	L_c	l_3	d_1	h_9	l_9	N
		THL		mm	mm	mm	mm	mm	mm	mm	
		EP2156302-M6X0.75	MF 6x0.75	0,75	80	10	59	4,5	3,4	6	3
		EP2156302-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
		EP2156302-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
		EP2156302-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
		EP2156302-M12X1	MF 12x1	1	100	13	73	9	7	10	4
		EP2156302-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
		EP2156302-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
		EP2156302-M14X1.25	MF 14x1.25	1,25	100	15	71	11	9	12	4
		EP2156302-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
		EP2156302-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
		EP2156302-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
		EP2156302-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4
	EP2156302-M22X1.5	MF 22x1.5	1,5	125	18	78	18	14,5	17	4	



HSS-E-PM machine taps Paradur® Eco Plus



- For long-chipping materials



	P	M	K	N	S	H	O
THL	●	●	●	●			

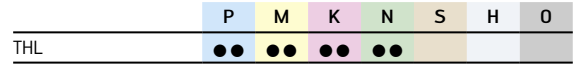
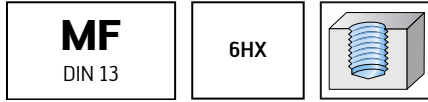
DIN 374		Designation	D_N	P	l_1	L_c	l_3	d_1	l_g	N
		THL		mm	mm	mm	mm	mm	mm	
		EP2156362-M8X1	MF 8x1	1	90	12	67	6	4,9	4
		EP2156362-M10X1	MF 10x1	1	90	12	67	7	5,5	4
		EP2156362-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	4
		EP2156362-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	4

HSS-E-PM machine taps

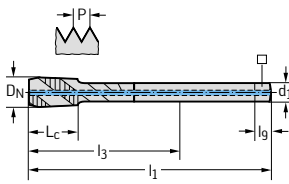
Paradur® Eco Plus



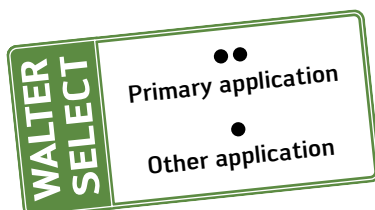
– For long-chipping materials



DIN 374



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



HSS-E machine taps TC115 Perform



- For long-chipping materials

$\leq 3 \times DN$

$C=2-3$

45°

32HRC
1000-350
N/mm²

MF
DIN 13

ISO2/6H

	P	M	K	N	S	H	O
WY80AA	●	●	●	●			
WY80FC	●	●	●	●			

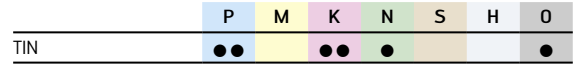
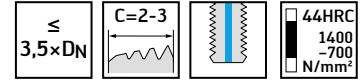
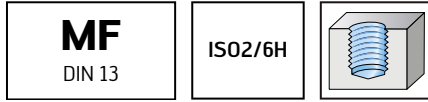
DIN 374		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA	WY80FC
		TC115-M8X1-L0-	MF 8x1	1	90	12	67	6	4,9	8	3	●	●
		TC115-M10X1-L0-	MF 10x1	1	90	12	67	7	5,5	8	3	●	●
		TC115-M10X1.25-L0-	MF 10x1.25	1,25	100	15	77	7	5,5	8	3	●	●
		TC115-M12X1.25-L0-	MF 12x1.25	1,25	100	13	73	9	7	10	4	●	●
		TC115-M12X1.5-L0-	MF 12x1.5	1,5	100	13	73	9	7	10	4	●	●
		TC115-M14X1.5-L0-	MF 14x1.5	1,5	100	15	71	11	9	12	4	●	●
		TC115-M16X1.5-L0-	MF 16x1.5	1,5	100	15	58	12	9	12	4	●	●
		TC115-M18X1.5-L0-	MF 18x1.5	1,5	110	17	66	14	11	14	4	●	●

Ordering example for the WY80FC grade: TC115-M8X1-L0-WY80FC

HSS-E machine taps Paradur® HT

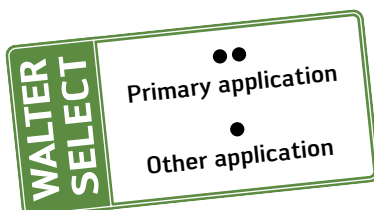


- For long-chipping and short-chipping materials



DIN 374

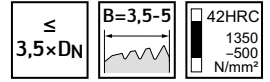
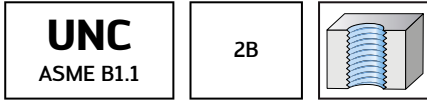
Designation TIN	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□ mm	l_g mm	N
2136115-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
2136115-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	3
2136115-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	3
2136115-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	3
2136115-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	3
2136115-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	3
2136115-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	3
2136115-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	17	4
2136115-M30X2	MF 30x2	2	150	26	85	22	18	21	4
2136115-M33X2	MF 33x2	2	160	28	93	25	20	23	4



HSS-E-PM machine taps Prototex® Eco Plus



- For long-chipping materials



	P	M	K	N	S	H	O
THL	●	●	●	●			

DIN 2184-1

Designation THL	D _N -P	D _N mm	l ₁ h9 mm	L _c mm	l ₃ mm	d ₁ mm	□ mm	l ₉ mm	N
EP2221302-UNC2	UNC 2-56	2,184	45	7	12	2,8	2,1	5	3
EP2221302-UNC4	UNC 4-40	2,845	56	9	18	3,5	2,7	6	3
EP2221302-UNC6	UNC 6-32	3,505	56	11	20	4	3	6	3
EP2221302-UNC8	UNC 8-32	4,166	63	12	21	4,5	3,4	6	3
EP2221302-UNC10	UNC 10-24	4,826	70	13	25	6	4,9	8	3
EP2221302-UNC1/4	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3

DIN 2184-1

Designation THL	D _N -P	D _N inch	l ₁ h9 inch	L _c inch	l ₃ inch	d ₁ inch	□ inch	l ₉ inch	N
EP2226302-UNC5/16	UNC 5/16-18	0,313	3,543	0,709	2,638	0,236	0,193	0,315	3
EP2226302-UNC3/8	UNC 3/8-16	0,375	3,937	0,787	3,031	0,276	0,217	0,315	3
EP2226302-UNC1/2	UNC 1/2-13	0,500	4,331	0,906	3,268	0,354	0,276	0,394	4
EP2226302-UNC5/8	UNC 5/8-11	0,625	4,331	0,984	2,677	0,472	0,354	0,472	4

HSS-E machine taps TC216 Perform



- Universal tap

DIN
ANSI

UNC
ASME B1.1

2B

≤
3×DN

B=3,5-5

32HRC
1000
-350
N/mm²

	P	M	K	N	S	H	O
WY80AA	●	●	●	●			

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ h9 inch	L _c inch	l ₃ inch	d ₁ inch	□ inch	l _g inch	N	WY80AA
	TC216.UNC6-C0-	UNC 6-32	0,138	2,205	0,433	0,787	0,141	0,110	0,188	3	
	TC216.UNC8-C0-	UNC 8-32	0,164	2,480	0,472	0,827	0,168	0,131	0,250	3	
	TC216.UNC10-C0-	UNC 10-24	0,190	2,756	0,512	0,984	0,194	0,152	0,250	3	
	TC216.UNC1/4-C0-	UNC 1/4-20	0,250	3,150	0,591	1,181	0,255	0,191	0,313	3	
	TC216.UNC5/16-C0-	UNC 5/16-18	0,313	3,543	0,709	1,378	0,318	0,238	0,375	3	
	TC216.UNC3/8-C0-	UNC 3/8-16	0,375	3,937	0,787	1,535	0,381	0,286	0,438	3	

Ordering example for the WY80AA grade: TC216.UNC6-C0-WY80AA

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ h9 inch	L _c inch	l ₃ inch	d ₁ inch	□ inch	l _g inch	N	WY80AA
	TC216.UNC1/2-L0-	UNC 1/2-13	0,500	4,331	0,906	3,224	0,367	0,275	0,438	4	
	TC216.UNC5/8-L0-	UNC 5/8-11	0,625	4,331	0,984	2,587	0,480	0,360	0,563	4	
	TC216.UNC3/4-L0-	UNC 3/4-10	0,750	4,921	1,181	3,051	0,590	0,442	0,688	4	

Ordering example for the WY80AA grade: TC216.UNC1/2-L0-WY80AA

WALTER
SELECT

Best tool for

Good

Average

Poor

machining conditions

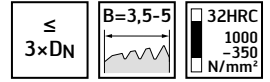
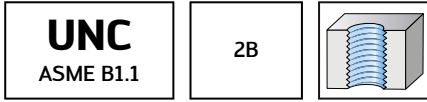
●● Primary application

● Other application

HSS-E machine taps TC216 Perform



- For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●	●	●	●			

DIN 371

Designation	D _N -P	D _N mm	l ₁ h9 mm	L _c mm	l ₃ mm	d ₁ mm	□ mm	l _g mm	N	WY80AA
TC216-UNC6-C0-	UNC 6-32	3,505	56	11	20	4	3	6	3	
TC216-UNC8-C0-	UNC 8-32	4,166	63	12	21	4,5	3,4	6	3	
TC216-UNC10-C0-	UNC 10-24	4,826	70	13	25	6	4,9	8	3	
TC216-UNC1/4-C0-	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3	
TC216-UNC5/16-C0-	UNC 5/16-18	7,938	90	18	35	8	6,2	9	3	
TC216-UNC3/8-C0-	UNC 3/8-16	9,525	100	20	39	10	8	11	3	

Ordering example for the WY80AA grade: TC216-UNC6-C0-WY80AA

DIN 376

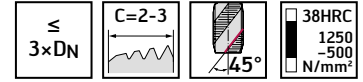
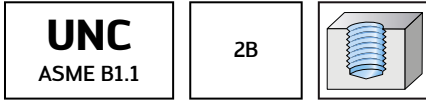
Designation	D _N -P	D _N mm	l ₁ h9 mm	L _c mm	l ₃ mm	d ₁ mm	□ mm	l _g mm	N	WY80AA
TC216-UNC1/2-L0-	UNC 1/2-13	12,7	110	23	83	9	7	10	4	
TC216-UNC5/8-L0-	UNC 5/8-11	15,875	110	25	68	12	9	12	4	
TC216-UNC3/4-L0-	UNC 3/4-10	19,05	125	30	81	14	11	14	4	

Ordering example for the WY80AA grade: TC216-UNC1/2-L0-WY80AA

HSS-E-PM machine taps
Paradur® Eco Plus

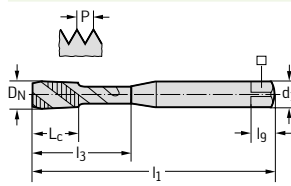


- For long-chipping materials



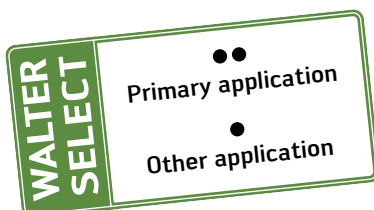
	P	M	K	N	S	H	O
THL	●	●	●	●			

~DIN 2184-1



Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2251302-UNC2	UNC 2-56	2,184	45	4	8,4	2,8	2,1	5	3
EP2251302-UNC4	UNC 4-40	2,845	56	6	11	3,5	2,7	6	3
EP2251302-UNC6	UNC 6-32	3,505	56	6,5	13,7	4	3	6	3
EP2251302-UNC8	UNC 8-32	4,166	63	7	17,8	4,5	3,4	6	3
EP2251302-UNC10	UNC 10-24	4,826	70	8	20,7	6	4,9	8	3
EP2251302-UNC1/4	UNC 1/4-20	6,35	80	10	27,3	7	5,5	8	3

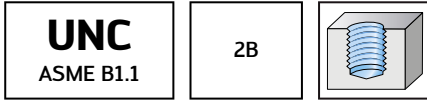
UNC 2: Without thread taper



HSS-E-PM machine taps Paradur® Eco Plus



– For long-chipping materials



	P	M	K	N	S	H	O
THL	●	●	●	●			

~DIN 2184-1

Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2251312-UNC1/4	UNC 1/4-20	6,35	80	10	27,3	7	5,5	8	3

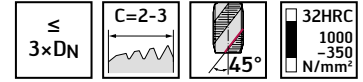
DIN 2184-1

Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2256312-UNC5/16	UNC 5/16-18	7,938	90	12	6	4,9	8	3
EP2256312-UNC3/8	UNC 3/8-16	9,525	100	15	7	5,5	8	3
EP2256312-UNC1/2	UNC 1/2-13	12,7	110	18	9	7	10	4
EP2256312-UNC5/8	UNC 5/8-11	15,875	110	20	12	9	12	4
EP2256312-UNC3/4	UNC 3/4-10	19,05	125	25	14	11	14	4

HSS-E machine taps TC115 Perform



- Universal tap



	P	M	K	N	S	H	O
WY80AA	●	●	●	●			

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AA
	TC115.UNC6-C0-	UNC 6-32	0,138	2,205	0,256	0,787	0,141	0,110	0,188	3	●
	TC115.UNC8-C0-	UNC 8-32	0,164	2,480	0,276	0,827	0,168	0,131	0,250	3	●
	TC115.UNC10-C0-	UNC 10-24	0,190	2,756	0,315	0,984	0,194	0,152	0,250	3	●
	TC115.UNC1/4-C0-	UNC 1/4-20	0,250	3,150	0,394	1,181	0,255	0,191	0,313	3	●
	TC115.UNC5/16-C0-	UNC 5/16-18	0,313	3,543	0,472	1,378	0,318	0,238	0,375	3	●
	TC115.UNC3/8-C0-	UNC 3/8-16	0,375	3,937	0,591	1,535	0,381	0,286	0,438	3	●

Ordering example for the WY80AA grade: TC115.UNC6-C0-WY80AA

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AA
	TC115.UNC1/2-L0-	UNC 1/2-13	0,500	4,331	0,709	3,224	0,367	0,275	0,438	3	●
	TC115.UNC5/8-L0-	UNC 5/8-11	0,625	4,331	0,787	2,587	0,480	0,360	0,563	3	●
	TC115.UNC3/4-L0-	UNC 3/4-10	0,750	4,921	0,984	3,051	0,590	0,442	0,688	4	●

Ordering example for the WY80AA grade: TC115.UNC1/2-L0-WY80AA

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

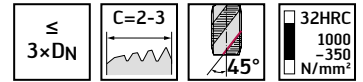
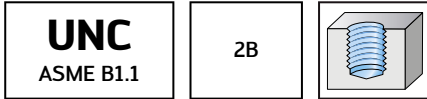
●● Primary application

● Other application

HSS-E machine taps TC115 Perform



- For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●	●	●	●			

DIN 371		Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA
		TC115-UNC6-C0-	UNC 6-32	3,505	56	6,5	20	4	3	6	3	
		TC115-UNC8-C0-	UNC 8-32	4,166	63	7	21	4,5	3,4	6	3	
		TC115-UNC10-C0-	UNC 10-24	4,826	70	8	25	6	4,9	8	3	
		TC115-UNC1/4-C0-	UNC 1/4-20	6,35	80	10	30	7	5,5	8	3	
		TC115-UNC5/16-C0-	UNC 5/16-18	7,938	90	12	35	8	6,2	9	3	
		TC115-UNC3/8-C0-	UNC 3/8-16	9,525	100	15	39	10	8	11	3	

Ordering example for the WY80AA grade: TC115-UNC6-C0-WY80AA

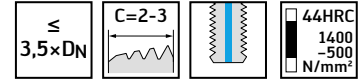
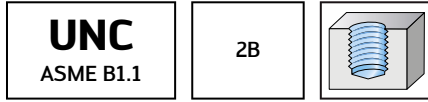
DIN 376		Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA
		TC115-UNC1/2-L0-	UNC 1/2-13	12,7	110	18	83	9	7	10	3	
		TC115-UNC5/8-L0-	UNC 5/8-11	15,875	110	20	68	12	9	12	3	
		TC115-UNC3/4-L0-	UNC 3/4-10	19,05	125	25	81	14	11	14	4	

Ordering example for the WY80AA grade: TC115-UNC1/2-L0-WY80AA

HSS-E machine taps
Paradur® HT



- For long-chipping and short-chipping materials



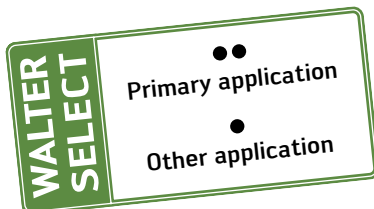
TIN	P	M	K	N	S	H	O
	●●		●●	●			●

DIN 2184-1

Designation	D_N -P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N
2231115-UNC1/4	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3
2231115-UNC5/16	UNC 5/16-18	7,938	90	18	35	8	6,2	9	3
2231115-UNC3/8	UNC 3/8-16	9,525	100	20	39	10	8	11	3

DIN 2184-1

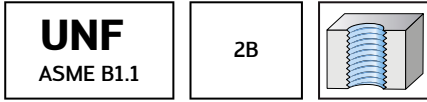
Designation	D_N -P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N
2236115-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	3
2236115-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	3
2236115-UNC3/4	UNC 3/4-10	19,05	125	30	81	14	11	14	3
2236115-UNC1	UNC 1"-8	25,4	160	36	113	18	14,5	17	4



HSS-E-PM machine taps Prototex® Eco Plus



– For long-chipping materials



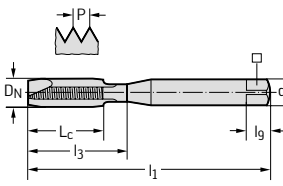
$\leq 3,5 \times DN$

$B=3,5-5$

42HRC
1350
-500
N/mm²

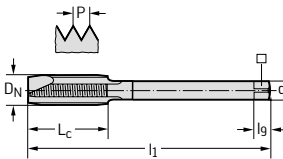
	P	M	K	N	S	H	O
THL	●	●	●	●	●	●	●

DIN 2184-1



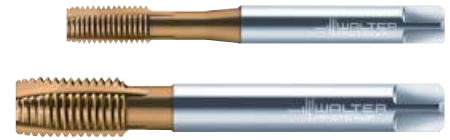
Designation THL	D _N -P	D _N mm	l ₁ h9 mm	L _c mm	l ₃ mm	d ₁ mm	□ mm	l ₉ mm	N
EP2321302-UNF4	UNF 4-48	2,845	56	9	18	3,5	2,7	6	3
EP2321302-UNF6	UNF 6-40	3,505	56	11	20	4	3	6	3
EP2321302-UNF8	UNF 8-36	4,166	63	12	21	4,5	3,4	6	3
EP2321302-UNF10	UNF 10-32	4,826	70	13	25	6	4,9	8	3
EP2321302-UNF1/4	UNF 1/4-28	6,35	80	15	30	7	5,5	8	3

DIN 2184-1



Designation THL	D _N -P	D _N mm	l ₁ h9 mm	L _c mm	l ₃ mm	d ₁ mm	□ mm	l ₉ mm	N
EP2326302-UNF5/16	UNF 5/16-24	7,938	90	18	67	6	4,9	8	3
EP2326302-UNF3/8	UNF 3/8-24	9,525	100	20	77	7	5,5	8	3
EP2326302-UNF1/2	UNF 1/2-20	12,7	100	21	73	9	7	10	4
EP2326302-UNF5/8	UNF 5/8-18	15,875	100	21	58	12	9	12	4

HSS-E machine taps TC216 Perform



- Universal tap

DIN
ANSI

UNF
ASME B1.1

2B

\leq
3×DN

B=3,5-5

32HRC
 1000
-350
N/mm²

	P	M	K	N	S	H	O
WY80AA	●	●	●	●	●	●	●

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ h9 inch	L _c inch	l ₃ inch	d ₁ inch	□ inch	l _g inch	N	WY80AA
	TC216.UNF10-C0-	UNF 10-32	0,190	2,756	0,512	0,984	0,194	0,152	0,250	3	
	TC216.UNF1/4-C0-	UNF 1/4-28	0,250	3,150	0,591	1,181	0,255	0,191	0,313	3	
	TC216.UNF5/16-C0-	UNF 5/16-24	0,313	3,543	0,709	1,378	0,318	0,238	0,380	3	
	TC216.UNF3/8-C0-	UNF 3/8-24	0,375	3,937	0,787	1,535	0,381	0,286	0,437	3	

Ordering example for the WY80AA grade: TC216.UNF10-C0-WY80AA

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ h9 inch	L _c inch	l ₃ inch	d ₁ inch	□ inch	l _g inch	N	WY80AA
	TC216.UNF7/16-L0-	UNF 7/16-20	0,438	3,937	0,787	2,862	0,323	0,242	0,406	3	
	TC216.UNF1/2-L0-	UNF 1/2-20	0,500	3,937	0,827	2,831	0,367	0,275	0,437	4	
	TC216.UNF9/16-L0-	UNF 9/16-18	0,563	3,937	0,827	2,768	0,429	0,322	0,500	4	
	TC216.UNF5/8-L0-	UNF 5/8-18	0,625	3,937	0,827	2,193	0,480	0,360	0,563	4	
	TC216.UNF3/4-L0-	UNF 3/4-16	0,750	4,331	0,945	2,461	0,590	0,442	0,689	4	

Ordering example for the WY80AA grade: TC216.UNF7/16-L0-WY80AA

WALTER
SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

● Other application

HSS-E machine taps TC216 Perform



- For long-chipping materials

$\leq 3 \times D_N$

$B=3,5-5$

32HRC
1000-350
N/mm²

UNF
ASME B1.1

2B

	P	M	K	N	S	H	O
WY80AA	●	●	●	●			

DIN 371	Designation	D _N -P	D _N mm	l ₁ h9 mm	L _c mm	l ₃ mm	d ₁ mm	□ mm	l _g mm	N	WY80AA
	TC216-UNF6-C0-	UNF 6-40	3,505	56	11	20	4	3	6	3	☞
	TC216-UNF10-C0-	UNF 10-32	4,826	70	13	25	6	4,9	8	3	☞
	TC216-UNF1/4-C0-	UNF 1/4-28	6,35	80	15	30	7	5,5	8	3	☞
	TC216-UNF5/16-C0-	UNF 5/16-24	7,938	90	18	35	8	6,2	9	3	☞
	TC216-UNF3/8-C0-	UNF 3/8-24	9,525	100	20	39	10	8	11	3	☞

Ordering example for the WY80AA grade: TC216-UNF6-C0-WY80AA

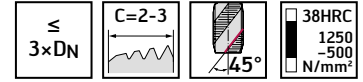
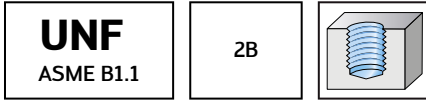
DIN 376	Designation	D _N -P	D _N mm	l ₁ h9 mm	L _c mm	l ₃ mm	d ₁ mm	□ mm	l _g mm	N	WY80AA
	TC216-UNF7/16-L0-	UNF 7/16-20	11,113	100	20	76	8	6,2	9	3	☞
	TC216-UNF1/2-L0-	UNF 1/2-20	12,7	100	21	73	9	7	10	4	☞

Ordering example for the WY80AA grade: TC216-UNF7/16-L0-WY80AA

HSS-E-PM machine taps
Paradur® Eco Plus

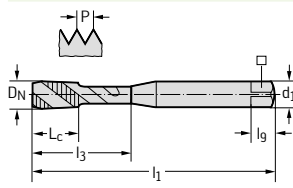


- For long-chipping materials



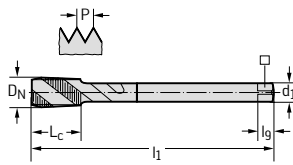
	P	M	K	N	S	H	O
THL	●	●	●	●			

~DIN 2184-1

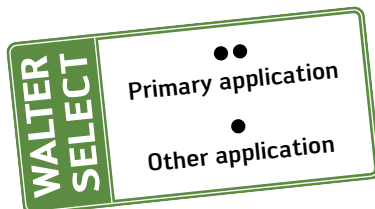


Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2351302-UNF4	UNF 4-48	2,845	56	6	11	3,5	2,7	6	3
EP2351302-UNF6	UNF 6-40	3,505	56	6,5	13,1	4	3	6	3
EP2351302-UNF8	UNF 8-36	4,166	63	7	17,4	4,5	3,4	6	3
EP2351302-UNF10	UNF 10-32	4,826	70	8	20,7	6	4,9	8	3
EP2351302-UNF1/4	UNF 1/4-28	6,35	80	10	25,9	7	5,5	8	3

DIN 2184-1



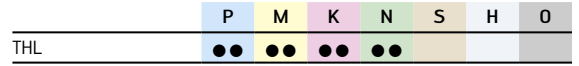
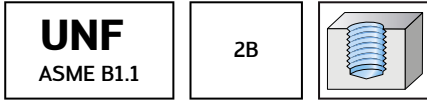
Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2356302-UNF5/16	UNF 5/16-24	7,938	90	12	67	6	4,9	8	3
EP2356302-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
EP2356302-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	4
EP2356302-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4



HSS-E-PM machine taps Paradur® Eco Plus



– For long-chipping materials



~DIN 2184-1

Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2351312-UNF1/4	UNF 1/4-28	6,35	80	10	25,9	7	5,5	8	3

DIN 2184-1

Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2356312-UNF5/16	UNF 5/16-24	7,938	90	12	67	6	4,9	8	3
EP2356312-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
EP2356312-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	4
EP2356312-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4

HSS-E machine taps TC115 Perform



- Universal tap

DIN
ANSI

UNF
ASME B1.1

2B

$\leq 3 \times D_N$

$C=2-3$

$\angle 45^\circ$

32HRC
1000-350
N/mm²

	P	M	K	N	S	H	O
WY80AA	●	●	●	●	●	●	●

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AA
	TC115.UNF10-C0-	UNF 10-32	0,190	2,756	0,315	0,984	0,194	0,152	0,250	3	●
	TC115.UNF1/4-C0-	UNF 1/4-28	0,250	3,150	0,394	1,181	0,255	0,191	0,313	3	●
	TC115.UNF5/16-C0-	UNF 5/16-24	0,313	3,543	0,472	1,378	0,318	0,238	0,380	3	●
	TC115.UNF3/8-C0-	UNF 3/8-24	0,375	3,937	0,472	1,535	0,381	0,286	0,437	3	●

Ordering example for the WY80AA grade: TC115.UNF10-C0-WY80AA

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AA
	TC115.UNF7/16-L0-	UNF 7/16-20	0,438	3,937	0,591	2,862	0,323	0,242	0,406	3	●
	TC115.UNF1/2-L0-	UNF 1/2-20	0,500	3,937	0,512	2,831	0,367	0,275	0,437	4	●
	TC115.UNF9/16-L0-	UNF 9/16-18	0,563	3,937	0,591	2,768	0,429	0,322	0,500	4	●
	TC115.UNF5/8-L0-	UNF 5/8-18	0,625	3,937	0,591	2,193	0,480	0,360	0,563	4	●
	TC115.UNF3/4-L0-	UNF 3/4-16	0,750	4,331	0,669	2,461	0,590	0,442	0,689	4	●

Ordering example for the WY80AA grade: TC115.UNF7/16-L0-WY80AA

WALTER
SELECT

Best tool for

Good

Average

Poor

machining conditions

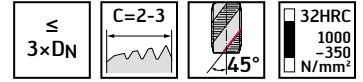
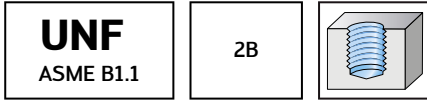
●● Primary application

● Other application

HSS-E machine taps TC115 Perform



- For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●	●	●	●			

DIN 371

Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA
TC115-UNF6-C0-	UNF 6-40	3,505	56	6,5	20	4	3	6	3	
TC115-UNF10-C0-	UNF 10-32	4,826	70	8	25	6	4,9	8	3	
TC115-UNF1/4-C0-	UNF 1/4-28	6,35	80	10	30	7	5,5	8	3	
TC115-UNF5/16-C0-	UNF 5/16-24	7,938	90	12	35	8	6,2	9	3	
TC115-UNF3/8-C0-	UNF 3/8-24	9,525	100	15	39	10	8	11	3	

Ordering example for the WY80AA grade: TC115-UNF6-C0-WY80AA

DIN 376

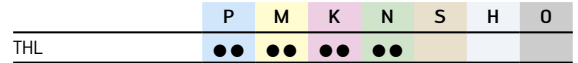
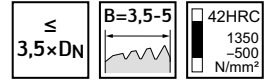
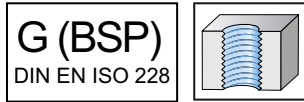
Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA
TC115-UNF7/16-L0-	UNF 7/16-20	11,113	100	15	76	8	6,2	9	3	
TC115-UNF1/2-L0-	UNF 1/2-20	12,7	100	13	73	9	7	10	4	

Ordering example for the WY80AA grade: TC115-UNF7/16-L0-WY80AA

HSS-E-PM machine taps Prototex® Eco Plus



- For long-chipping materials

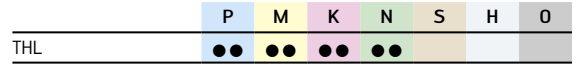
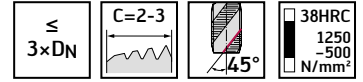
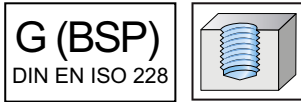


DIN 5156	Designation THL	D _N -P	D _N mm	Threads		l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
				per inch								
	EP2426302-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	3	
	EP2426302-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	4	
	EP2426302-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	4	
	EP2426302-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	4	
	EP2426302-G5/8	G 5/8-14	22,911	14	125	24	78	18	14,5	17	4	
	EP2426302-G3/4	G 3/4-14	26,441	14	140	26	77	20	16	19	5	
	EP2426302-G1	G 1"-11	33,249	11	160	28	93	25	20	23	5	

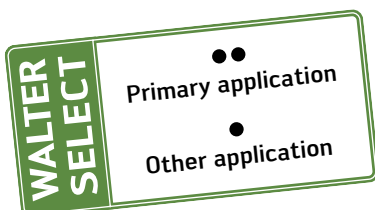
HSS-E-PM machine taps Paradur® Eco Plus



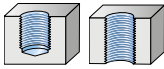


- For long-chipping materials



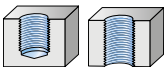

DIN 5156	Designation THL	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	EP2456302-G1/8	G 1/8-28	9,728	28	90	12	67	7	5,5	8	3
	EP2456302-G1/4	G 1/4-19	13,157	19	100	15	71	11	9	12	4
	EP2456302-G3/8	G 3/8-19	16,662	19	100	15	58	12	9	12	4
	EP2456302-G1/2	G 1/2-14	20,955	14	125	18	80	16	12	15	4
	EP2456302-G5/8	G 5/8-14	22,911	14	125	18	78	18	14,5	17	4
	EP2456302-G3/4	G 3/4-14	26,441	14	140	20	77	20	16	19	5
	EP2456302-G1	G 1"-11	33,249	11	160	22	93	25	20	23	5



Product range overview – Solid carbide taps M – Metric thread

Machining		
Thread depth	$2 \times D_N$	
Designation	TC388 Supreme	TC389 Supreme
Dimension range	M 3–M 16	M 3–M 16
Tolerance	6HX	6HX
Coolant supply	External	External
Chamfer form	C	D
Coating/grade	WJ30TU	WE10TU
Version length	M	M
		

Product range overview – Solid carbide taps G

Machining	
Thread depth	$2 \times D_N$
Designation	TC388 Supreme
Dimension range	G 1/8-28– G 1/4-19
Tolerance	NORMAL
Coolant supply	External
Chamfer form	C
Coating/grade	WJ30TU
Version length	M
	

Solid carbide machine taps TC388 Supreme



- Taps for hardened materials
- Drill core hole at upper tolerance end

$\leq 2 \times D_N$

$C=2-3$

63HRC
50HRC

M
DIN 13

6HX

WJ30TU

P	M	K	N	S	H	O
---	---	---	---	---	---	---



~DIN 371											WJ30TU
	Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N	
	TC388-M3-C0-	M 3	0,5	56	8	35	3,5	2,7	6	4	⊕
	TC388-M4-C0-	M 4	0,7	63	11	42	4,5	3,4	6	5	⊕
	TC388-M5-C0-	M 5	0,8	70	13,5	47	6	4,9	8	5	⊕
	TC388-M6-C0-	M 6	1	80	16,5	57	6	4,9	8	5	⊕
	TC388-M8-C0-	M 8	1,25	90	21,5	66	8	6,2	9	5	⊕
	TC388-M10-C0-	M 10	1,5	100	27	72	10	8	11	5	⊕
	TC388-M12-C0-	M 12	1,75	110	32	68	12	9	12	6	⊕
TC388-M16-C0-	M 16	2	110	41	65	16	12	15	6	⊕	

Without reduced neck after the thread
 Ordering example for the WJ30BA grade: TC388-M3-C0-WJ30BA

Solid carbide machine taps TC389 Supreme



- Taps for hardened materials
- Drill core hole at upper tolerance end

$\leq 2 \times D_N$



M
DIN 13

6HX

WE10TU

P	M	K	N	S	H	O
---	---	---	---	---	---	---

~DIN 371

Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	mm	l_9 mm	N	WE10TU
TC389-M3-CD-	M 3	0,5	56	9	35	3,5	2,7	6	4	☺
TC389-M4-CD-	M 4	0,7	63	12	42	4,5	3,4	6	5	☺
TC389-M5-CD-	M 5	0,8	70	14,5	47	6	4,9	8	5	☺
TC389-M6-CD-	M 6	1	80	18	57	6	4,9	8	5	☺
TC389-M8-CD-	M 8	1,25	90	23,5	66	8	6,2	9	5	☺
TC389-M10-CD-	M 10	1,5	100	29	72	10	8	11	5	☺
TC389-M12-CD-	M 12	1,75	110	34,5	68	12	9	12	6	☺
TC389-M16-CD-	M 16	2	110	44	65	16	12	15	6	☺

Without reduced neck after the thread
Ordering example for the WE10BA grade: TC389-M3-CD-WE10BA

WALTER SELECT

Best tool for machining conditions

☺ Good ☹ Average ☹ Poor

●● Primary application
 ● Other application

Solid carbide machine taps TC388 Supreme



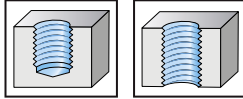
- Taps for hardened materials
- Drill core hole at upper tolerance end

$\leq 2 \times D_N$

$C=2-3$

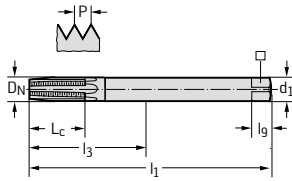
63HRC
50HRC

G (BSP)
DIN EN ISO 228



P	M	K	N	S	H	0
WJ30TU						

~DIN 371												WJ30TU
Designation	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	mm	l _g mm	N		
TC388-G1/8-C0-	G 1/8-28	9,728	28	90	23,5	62	10	8	11	5	☺	
TC388-G1/4-C0-	G 1/4-19	13,157	19	100	32,5	56	14	11	14	6	☺	



Without reduced neck after the thread
Ordering example for the WJ30BA grade: TC388-G1/8-C0-WJ30BA

Product range overview – HSS-E (-PM) and solid carbide thread formers M – Metric thread


Machining						
Thread depth	3 × D _N				3,5 × D _N	3,5 × D _N
Designation	TC410 Advance	TC410 Advance	TC420 Supreme	TC430 Supreme	TC410 Advance	TC420 Supreme
Dimension range	M 1–M 24	M 3 LH–M 16 LH	M 2–M 20	M 3–M 10	M 2–M 24	M 2–M 24
Tolerance	6GX / 6HX / 7GX	6HX	6GX / 6HX	6HX	6GX / 6HX / 7GX	6GX / 6HX
Coolant supply	External	External	External	External	External	Axial/external/radial
Chamfer form	C / D	C	C	C	C	C / E
Coating/grade	WY80AD	WY80AD	WW60AD / WW60BA	WW60EL	WY80AD	WW60AD / WW60BA
Cutting tool material	HSS-E / HSS-E-PM	HSS-E / HSS-E-PM			HSS-E / HSS-E-PM	

Machining					
Thread depth	3,5 × D _N		3,5 × D _N		
Designation	TC430 Supreme	TC440 Supreme	TC420 Supreme	TC430 Supreme	TC440 Supreme
Dimension range	M 3–M 16	M 2–M 12	M 2–M 16	M 5–M 16	M 5–M 12
Tolerance	6GX / 6HX	6HX	6GX / 6HX	6HX	6HX
Coolant supply	External/radial	Axial/external/radial	Axial/external	Axial	Axial
Chamfer form	C	C	C / E	C	C
Coating/grade	WW60AD / WW60EL	WY80AD	WW60AD / WW60BA	WW60AD / WW60EL	WY80AD
Cutting tool material	HSS-E-PM	HSS-E		HSS-E-PM	HSS-E










Product range overview – HSS-E (-PM) and solid carbide thread formers MF – Metric fine-pitch thread

Machining						
Thread depth	3,5 × D _N				3,5 × D _N	
Designation	TC410 Advance	TC420 Supreme	TC430 Supreme	TC440 Supreme	TC410 Advance	TC420 Supreme
Dimension range	MF 4x0.5– MF 30x1.5	MF 8x1– MF 16x1.5	MF 8x1– MF 16x1.5	MF 8x1– MF 18x1.5	MF 10x1– MF 16x1.5	MF 8x1– MF 14x1.5
Tolerance	6HX	6GX / 6HX	6HX	6HX	6GX	6HX
Coolant supply	External	External/radial	External/radial	Radial	External	Axial
Chamfer form	C	C	C	C	E	C
Coating/grade	WY80AD	WW60AD / WW60BA	WW60AD / WW60EL	WY80AD	WY80AD	WW60AD
Cutting tool material	HSS-E / HSS-E-PM		HSS-E-PM	HSS-E	HSS-E / HSS-E-PM	

Product range overview – HSS-E (-PM) and solid carbide thread formers MF – Metric fine-pitch thread

Machining	
Thread depth	$3,5 \times D_N$
Designation	TC430 Supreme
Dimension range	MF 8x1– MF 16x1.5
Tolerance	6HX
Coolant supply	Axial
Chamfer form	C
Coating/grade	WW60AD / WW60EL
Cutting tool material	HSS-E-PM
	

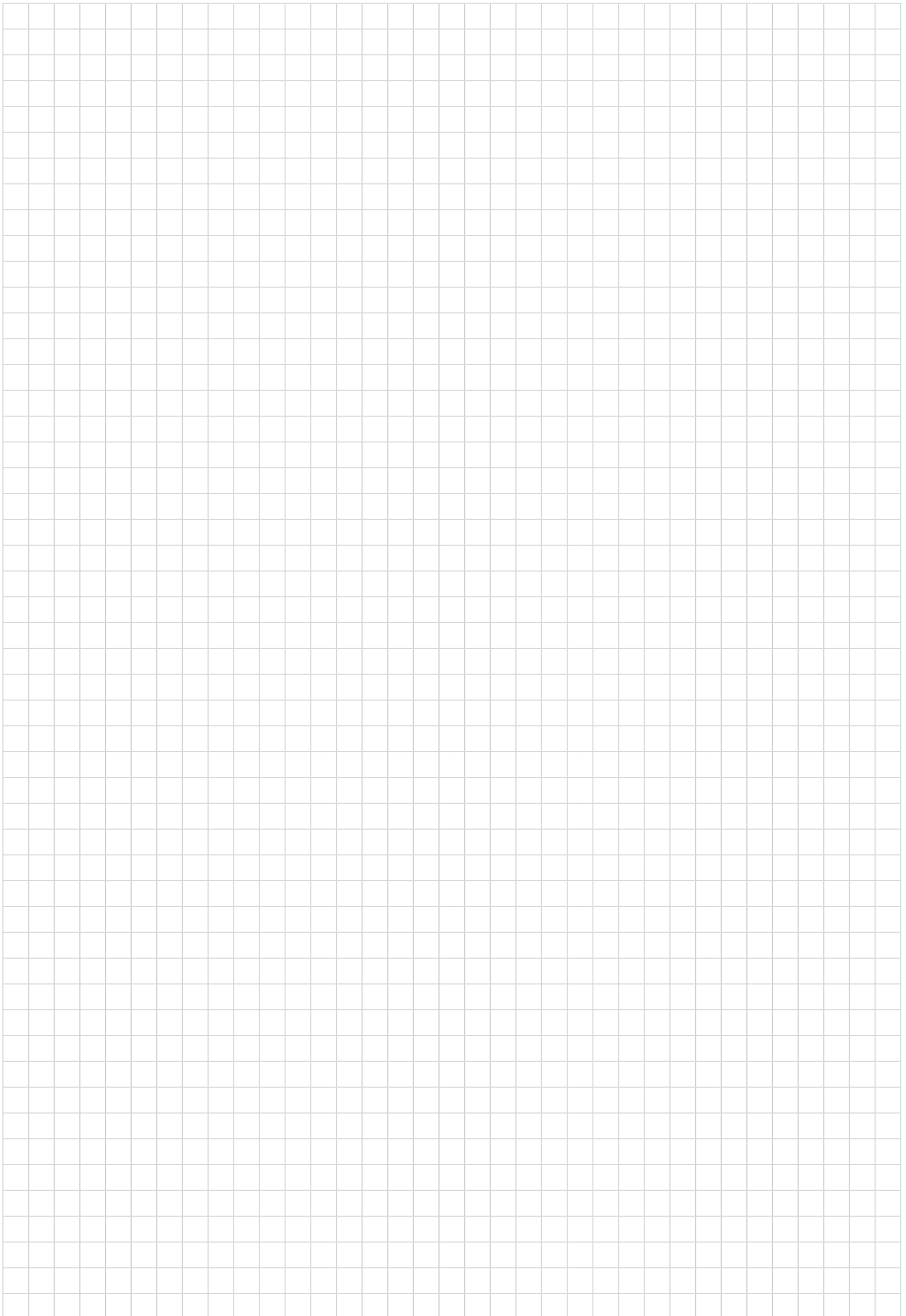
Product range overview – HSS-E (-PM) and solid carbide thread formers UNC / UNF

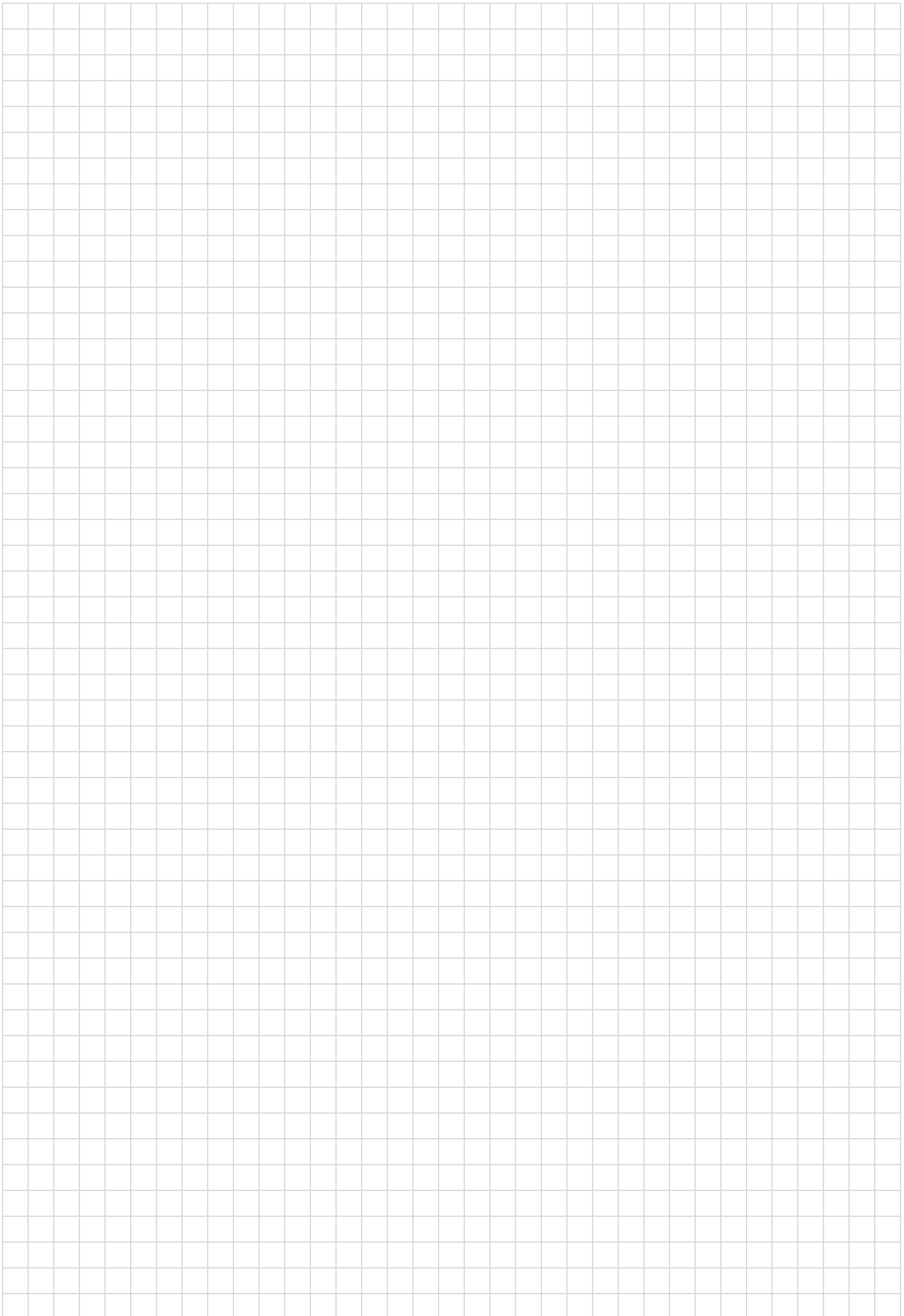
Machining					
Thread depth	$3,5 \times D_N$	$3,5 \times D_N$	$3,5 \times D_N$	$3,5 \times D_N$	$3,5 \times D_N$
Designation	TC410 Advance	TC420 Supreme	TC410 Advance	TC420 Supreme	
Dimension range	UNC 2-56– UNC 7/8-9	UNC 10-24– UNC 3/4-10	UNF 0-80– UNF 7/8-14	UNF 10-32– UNF 3/4-16	
Tolerance	2BX	2BX	2BX	2BX	
Coolant supply	External	Radial	External	Radial	
Chamfer form	C	C	C	C	
Coating/grade	WY80AD	WW60AD	WY80AD	WW60AD	
Cutting tool material	HSS-E / HSS-E-PM		HSS-E / HSS-E-PM		
					

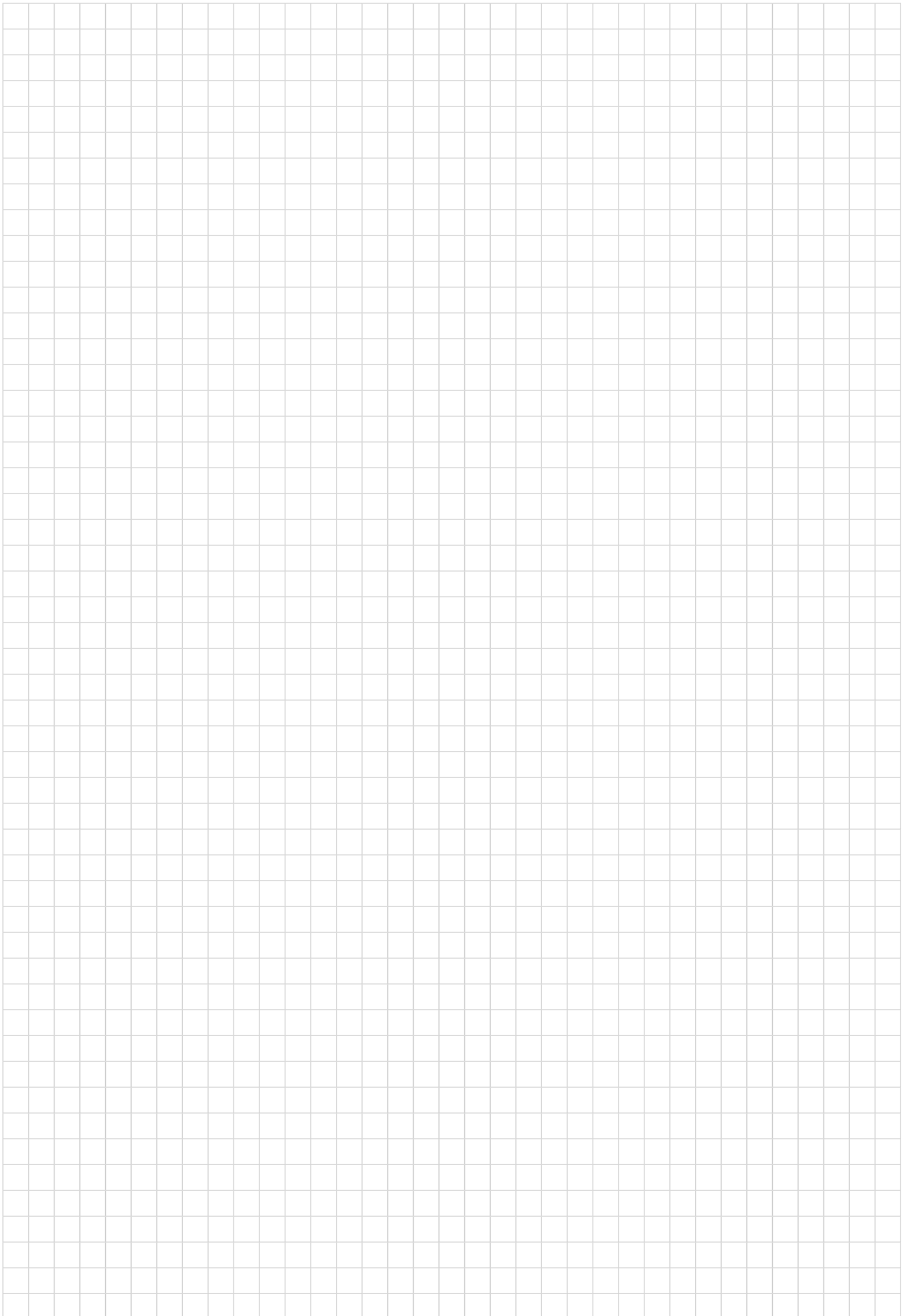
Product range overview – HSS-E (-PM) and solid carbide thread formers

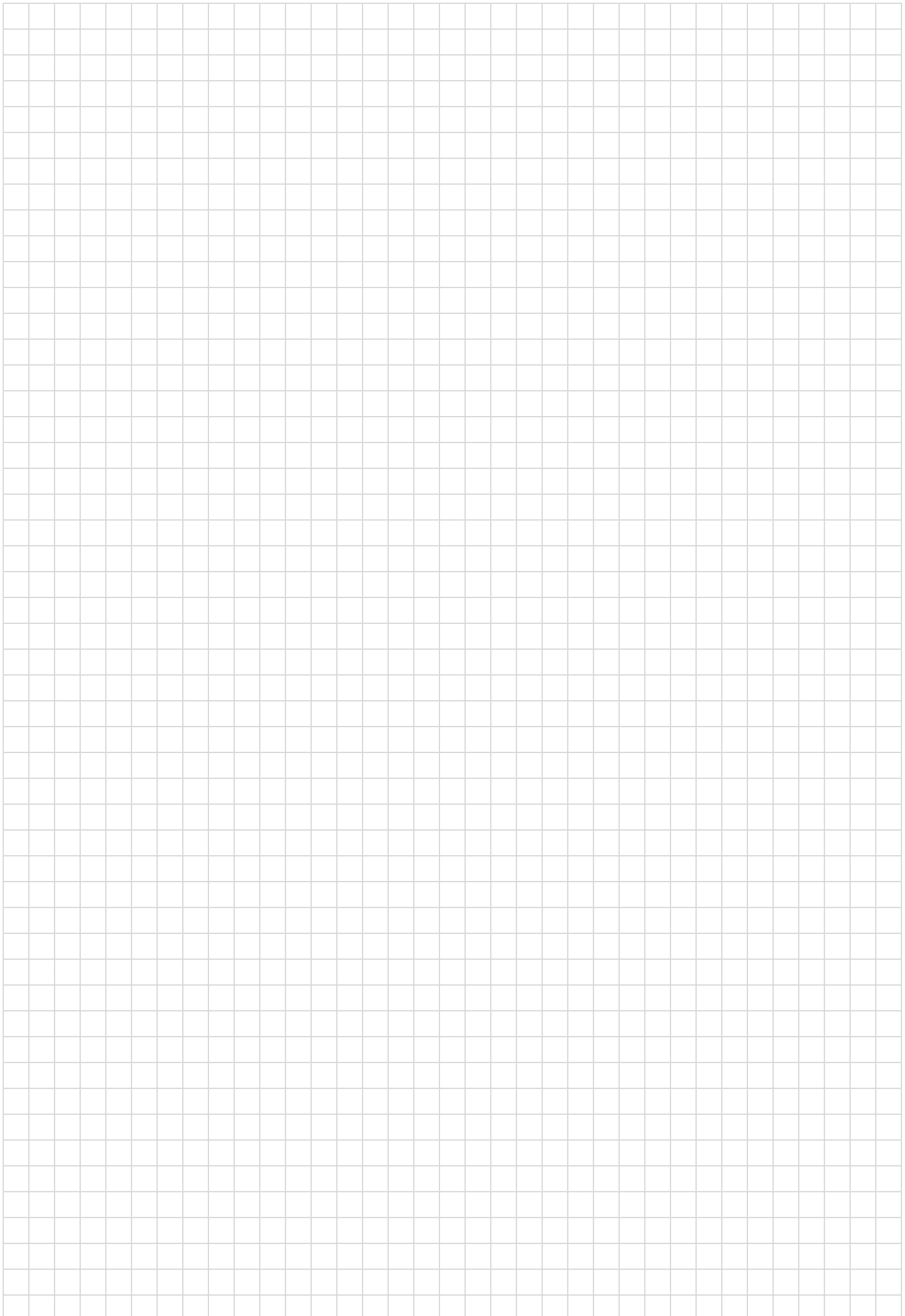
G

Machining	
Thread depth	$3,5 \times D_N$
Designation	TC410 Advance
Dimension range	G 1/8-28– G 1"-11
Tolerance	NORMAL
Coolant supply	External
Chamfer form	C
Coating/grade	WY80AD
Cutting tool material	HSS-E / HSS-E-PM
	





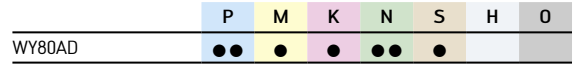
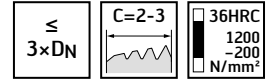
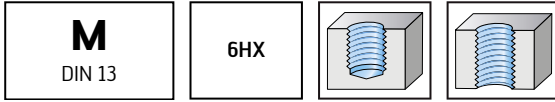




HSS-E machine thread formers TC410 Advance



– For long-chipping materials

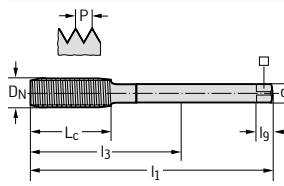


DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
	TC410-M1-C0-	M 1	0,25	40	5	5	2,5	2,1	5	3		
	TC410-M1.1-C0-	M 1.1	0,25	40	5	5	2,5	2,1	5	3		
	TC410-M1.2-C0-	M 1.2	0,25	40	5	5	2,5	2,1	5	3		
	TC410-M1.4-C0-	M 1.4	0,3	40	7	7	2,5	2,1	5	3		
	TC410-M1.6-C0-	M 1.6	0,35	40	7	7	2,5	2,1	5	3		
	TC410-M1.7-C0-	M 1.7	0,35	40	7	7	2,5	2,1	5	3		
	TC410-M1.8-C0-	M 1.8	0,35	40	7	7	2,5	2,1	5	3		
	TC410-M2-C0-	M 2	0,4	45	6	11	2,8	2,1	5	3		
	TC410-M2.2-C0-	M 2.2	0,45	45	7	12	2,8	2,1	5	3		
	TC410-M2.3-C0-	M 2.3	0,4	45	7	12	2,8	2,1	5	3		
TC410-M2.5-C0-	M 2.5	0,45	50	8	13	2,8	2,1	5	3			
TC410-M2.6-C0-	M 2.6	0,45	50	8	14	2,8	2,1	5	3			
TC410-M3-C0-	M 3	0,5	56	9	18	3,5	2,7	6	4			
TC410-M3.5-C0-	M 3.5	0,6	56	11	20	4	3	6	4			
TC410-M4-C0-	M 4	0,7	63	12	21	4,5	3,4	6	5			
TC410-M5-C0-	M 5	0,8	70	13	25	6	4,9	8	5			
TC410-M6-C0-	M 6	1	80	15	30	6	4,9	8	5			
TC410-M7-C0-	M 7	1	80	15	30	7	5,5	8	5			
TC410-M8-C0-	M 8	1,25	90	18	35	8	6,2	9	5			
TC410-M10-C0-	M 10	1,5	100	20	39	10	8	11	6			

Ordering example for the WY80AD grade: TC410-M1-C0-WY80AD

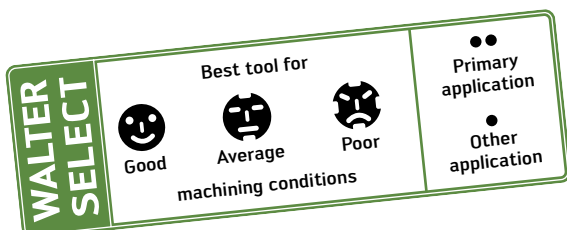
Continued

Continued

DIN 2174


Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_9 mm	N	WY80AD
TC410-M12-L0-	M 12	1,75	110	23	83	9	7	10	6	
TC410-M14-L0-	M 14	2	110	25	81	11	9	12	6	
TC410-M16-L0-	M 16	2	110	25	68	12	9	12	6	
TC410-M18-L0-	M 18	2,5	125	30	81	14	11	14	7	
TC410-M20-L0-	M 20	2,5	140	30	95	16	12	15	7	
TC410-M24-L0-	M 24	3	160	36	113	18	14,5	17	8	

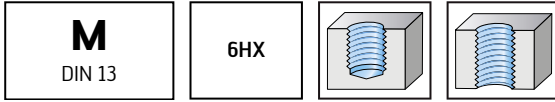
Ordering example for the WY80AD grade: TC410-M12-L0-WY80AD



HSS-E machine thread formers TC410 Advance



- For long-chipping materials



$\leq 3 \times D_N$

$D=3,5-5$

36HRC
1200
-200
N/mm²

	P	M	K	N	S	H	O
WY80AD	●	●	●	●	●		

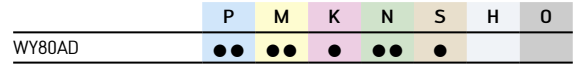
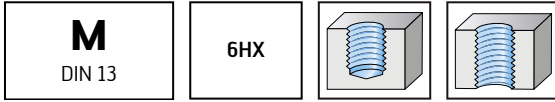
DIN 2174		Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N	WY80AD
		TC410-M2-CD-	M 2	0,4	45	6	11	2,8	2,1	5	3	
		TC410-M3-CD-	M 3	0,5	56	9	18	3,5	2,7	6	4	
		TC410-M4-CD-	M 4	0,7	63	12	21	4,5	3,4	6	5	
		TC410-M5-CD-	M 5	0,8	70	13	25	6	4,9	8	5	
		TC410-M6-CD-	M 6	1	80	15	30	6	4,9	8	5	
		TC410-M8-CD-	M 8	1,25	90	18	35	8	6,2	9	5	

Ordering example for the WY80AD grade: TC410-M2-CD-WY80AD

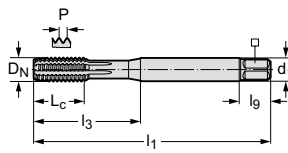
HSS-E machine thread formers TC410 Advance



- For long-chipping materials



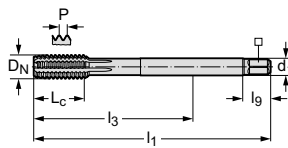
DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AD
TC410-M3-CL-	M 3 - LH	0,5	56	9	18	3,5	2,7	6	4	
TC410-M4-CL-	M 4 - LH	0,7	63	12	21	4,5	3,4	6	5	
TC410-M5-CL-	M 5 - LH	0,8	70	13	25	6	4,9	8	5	
TC410-M6-CL-	M 6 - LH	1	80	15	30	6	4,9	8	5	
TC410-M8-CL-	M 8 - LH	1,25	90	18	35	8	6,2	9	5	
TC410-M10-CL-	M 10 - LH	1,5	100	20	39	10	8	11	6	

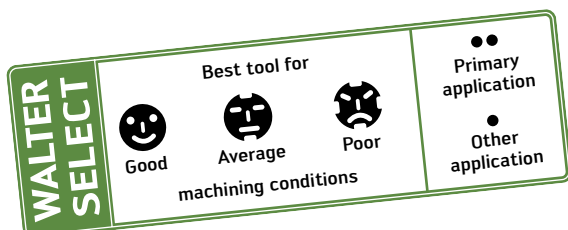
Ordering example for the WY80AD grade: TC410-M3-CL-WY80AD

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AD
TC410-M12-LL-	M 12 - LH	1,75	110	23	83	9	7	10	6	
TC410-M16-LL-	M 16 - LH	2	110	25	68	12	9	12	6	

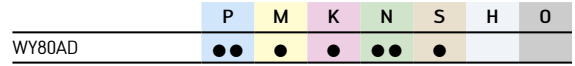
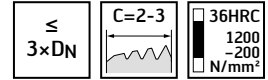
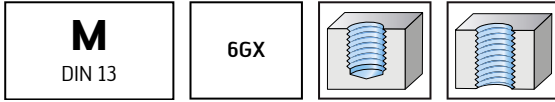
Ordering example for the WY80AD grade: TC410-M12-LL-WY80AD



HSS-E machine thread formers TC410 Advance



- For long-chipping materials



DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
		TC410-M2-E0-	M 2	0,4	45	6	11	2,8	2,1	5	3	
		TC410-M2.5-E0-	M 2.5	0,45	50	8	14	2,8	2,1	5	3	
		TC410-M3-E0-	M 3	0,5	56	9	18	3,5	2,7	6	4	
		TC410-M3.5-E0-	M 3.5	0,6	56	11	20	4	3	6	4	
		TC410-M4-E0-	M 4	0,7	63	12	21	4,5	3,4	6	5	
		TC410-M5-E0-	M 5	0,8	70	13	25	6	4,9	8	5	
		TC410-M6-E0-	M 6	1	80	15	30	6	4,9	8	5	
		TC410-M8-E0-	M 8	1,25	90	18	35	8	6,2	9	5	
		TC410-M10-E0-	M 10	1,5	100	20	39	10	8	11	6	

Ordering example for the WY80AD grade: TC410-M2-E0-WY80AD

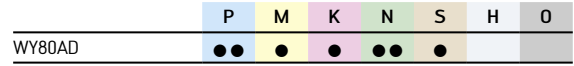
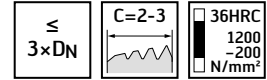
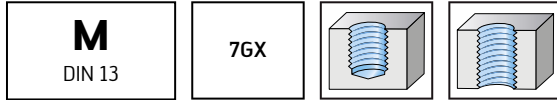
DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
		TC410-M12-N0-	M 12	1,75	110	23	83	9	7	10	6	

Ordering example for the WY80AD grade: TC410-M12-N0-WY80AD

HSS-E machine thread formers TC410 Advance



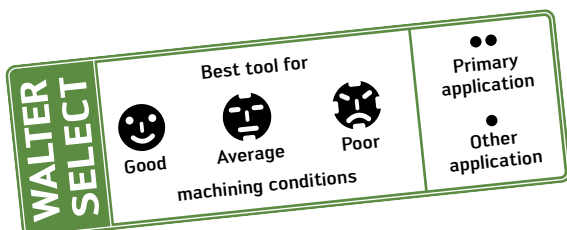
- For long-chipping materials



DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC410-M2-F0-	M 2	0,4	45	6	11	2,8	2,1	5	3	☼
TC410-M2.5-F0-	M 2.5	0,45	50	8	14	2,8	2,1	5	3	☼
TC410-M3-F0-	M 3	0,5	56	9	18	3,5	2,7	6	4	☼
TC410-M4-F0-	M 4	0,7	63	12	21	4,5	3,4	6	5	☼
TC410-M5-F0-	M 5	0,8	70	13	25	6	4,9	8	5	☼
TC410-M6-F0-	M 6	1	80	15	30	6	4,9	8	5	☼
TC410-M8-F0-	M 8	1,25	90	18	35	8	6,2	9	5	☼
TC410-M10-F0-	M 10	1,5	100	20	39	10	8	11	6	☼

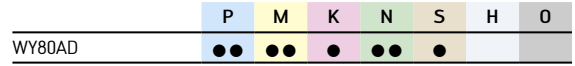
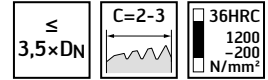
Ordering example for the WY80AD grade: TC410-M2-F0-WY80AD



HSS-E machine thread formers TC410 Advance



– For long-chipping materials



DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WY80AD
TC410-M2-C6-	M 2	0,4	45	6	11	2,8	2,1	5	3	
TC410-M2.5-C6-	M 2.5	0,45	50	8	13	2,8	2,1	5	3	
TC410-M3-C6-	M 3	0,5	56	9	18	3,5	2,7	6	4	
TC410-M3.5-C6-	M 3.5	0,6	56	11	20	4	3	6	4	
TC410-M4-C6-	M 4	0,7	63	12	21	4,5	3,4	6	5	
TC410-M5-C6-	M 5	0,8	70	13	25	6	4,9	8	5	
TC410-M6-C6-	M 6	1	80	15	30	6	4,9	8	5	
TC410-M7-C6-	M 7	1	80	15	30	7	5,5	8	5	
TC410-M8-C6-	M 8	1,25	90	18	35	8	6,2	9	5	
TC410-M10-C6-	M 10	1,5	100	20	39	10	8	11	6	

Ordering example for the WY80AD grade: TC410-M2-C6-WY80AD

DIN 2174

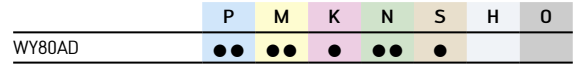
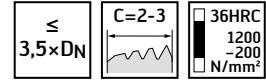
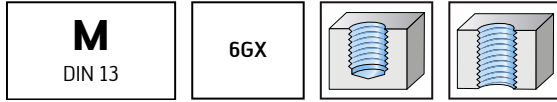
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WY80AD
TC410-M12-L6-	M 12	1,75	110	23	83	9	7	10	6	
TC410-M14-L6-	M 14	2	110	25	81	11	9	12	6	
TC410-M16-L6-	M 16	2	110	25	68	12	9	12	6	
TC410-M18-L6-	M 18	2,5	125	30	81	14	11	14	7	
TC410-M20-L6-	M 20	2,5	140	30	95	16	12	15	7	
TC410-M24-L6-	M 24	3	160	36	113	18	14,5	17	8	

Ordering example for the WY80AD grade: TC410-M12-L6-WY80AD

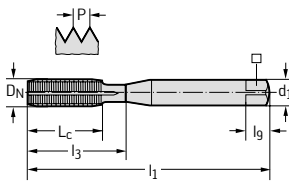
HSS-E machine thread formers TC410 Advance



- For long-chipping materials



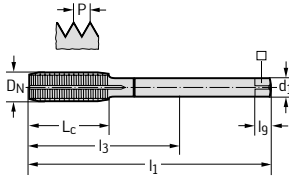
DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC410-M2-E6-	M 2	0,4	45	6	11	2,8	2,1	5	3	☞
TC410-M2.5-E6-	M 2.5	0,45	50	8	14	2,8	2,1	5	3	☞
TC410-M3-E6-	M 3	0,5	56	9	18	3,5	2,7	6	4	☞
TC410-M3.5-E6-	M 3.5	0,6	56	11	20	4	3	6	4	☞
TC410-M4-E6-	M 4	0,7	63	12	21	4,5	3,4	6	5	☞
TC410-M5-E6-	M 5	0,8	70	13	25	6	4,9	8	5	☞
TC410-M6-E6-	M 6	1	80	15	30	6	4,9	8	5	☞
TC410-M8-E6-	M 8	1,25	90	18	35	8	6,2	9	5	☞
TC410-M10-E6-	M 10	1,5	100	20	39	10	8	11	6	☞

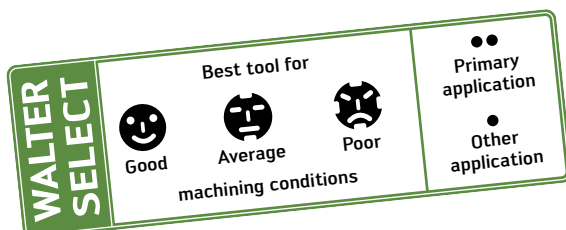
Ordering example for the WY80AD grade: TC410-M2-E6-WY80AD

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC410-M12-N6-	M 12	1,75	110	23	83	9	7	10	6	☞

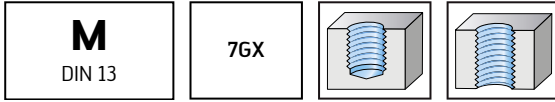
Ordering example for the WY80AD grade: TC410-M12-N6-WY80AD



HSS-E machine thread formers TC410 Advance



- For long-chipping materials



$\leq 3,5 \times D_N$

$C=2-3$

36HRC
1200
-200
N/mm²

	P	M	K	N	S	H	O
WY80AD	●	●	●	●	●		

DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
		TC410-M2-F6-	M 2	0,4	45	6	11	2,8	2,1	5	3	
		TC410-M2.5-F6-	M 2.5	0,45	50	8	14	2,8	2,1	5	3	
		TC410-M3-F6-	M 3	0,5	56	9	18	3,5	2,7	6	4	
		TC410-M4-F6-	M 4	0,7	63	12	21	4,5	3,4	6	5	
		TC410-M5-F6-	M 5	0,8	70	13	25	6	4,9	8	5	
		TC410-M6-F6-	M 6	1	80	15	30	6	4,9	8	5	
		TC410-M8-F6-	M 8	1,25	90	18	35	8	6,2	9	5	
	TC410-M10-F6-	M 10	1,5	100	20	39	10	8	11	6		

Ordering example for the WY80AD grade: TC410-M2-F6-WY80AD

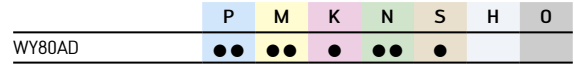
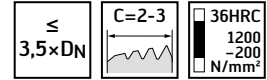
DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
		TC410-M12-P6-	M 12	1,75	110	23	83	9	7	10	6	

Ordering example for the WY80AD grade: TC410-M12-P6-WY80AD

HSS-E machine thread formers TC410 Advance



- Universal thread former
- With lubrication grooves

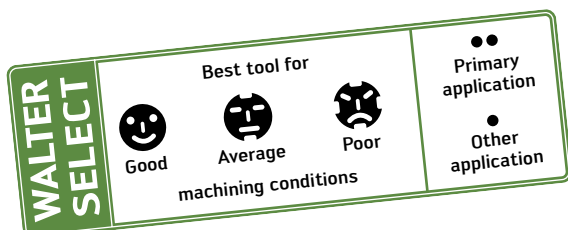


DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AD
	TC410.M3-C6-	M 3	0,118	2,205	0,354	0,709	0,141	0,110	0,190	4	
	TC410.M4-C6-	M 4	0,157	2,480	0,472	0,827	0,168	0,131	0,250	5	
	TC410.M5-C6-	M 5	0,197	2,756	0,512	0,984	0,194	0,152	0,250	5	
	TC410.M6-C6-	M 6	0,236	3,150	0,591	1,181	0,255	0,191	0,313	5	
	TC410.M8-C6-	M 8	0,315	3,543	0,709	1,378	0,318	0,238	0,380	5	
	TC410.M10-C6-	M 10	0,394	3,937	0,787	1,535	0,381	0,286	0,437	6	

Ordering example for the WY80AD grade: TC410.M3-C6-WY80AD

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AD
	TC410.M12-L6-	M 12	0,472	4,331	0,906	3,224	0,367	0,275	0,437	6	
	TC410.M16-L6-	M 16	0,630	4,331	0,984	2,587	0,480	0,360	0,563	6	
	TC410.M20-L6-	M 20	0,787	5,512	1,181	3,642	0,652	0,489	0,689	7	

Ordering example for the WY80AD grade: TC410.M12-L6-WY80AD



HSS-E-PM machine thread formers TC420 Supreme



– For long-chipping materials

$\leq 3 \times D_N$

$C=2-3$

36HRC
1200
-200
N/mm²

M
DIN 13

6HX

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174		Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□ mm	l_9 mm	N	WW60AD	WW60BA
		TC420-M2-C0-	M 2	0,4	45	4	11	2,8	2,1	5	3		
		TC420-M2.5-C0-	M 2.5	0,45	50	4	14	2,8	2,1	5	3		
		TC420-M3-C0-	M 3	0,5	56	6	18	3,5	2,7	6	4		
		TC420-M3.5-C0-	M 3.5	0,6	56	7	20	4	3	6	4		
		TC420-M4-C0-	M 4	0,7	63	7	21	4,5	3,4	6	5		
		TC420-M5-C0-	M 5	0,8	70	8	25	6	4,9	8	5		
		TC420-M6-C0-	M 6	1	80	10	30	6	4,9	8	5		
		TC420-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	5		
		TC420-M10-C0-	M 10	1,5	100	15	39	10	8	11	6		

Ordering example for the WW60AD grade: TC420-M2-C0-WW60AD

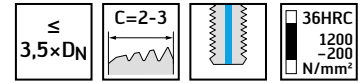
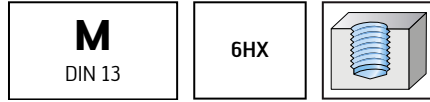
DIN 2174		Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□ mm	l_9 mm	N	WW60AD	WW60BA
		TC420-M12-L0-	M 12	1,75	110	16	83	9	7	10	6		
		TC420-M14-L0-	M 14	2	110	20	81	11	9	12	6		
		TC420-M16-L0-	M 16	2	110	20	68	12	9	12	6		
		TC420-M20-L0-	M 20	2,5	140	25	95	16	12	15	7		

Ordering example for the WW60AD grade: TC420-M12-L0-WW60AD

HSS-E-PM machine thread formers TC420 Supreme

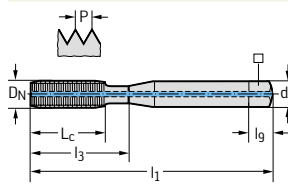


- For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

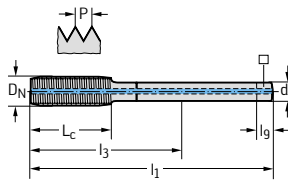
DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M5-C1-	M 5	0,8	70	8	25	6	4,9	8	5	●	●
TC420-M6-C1-	M 6	1	80	10	30	6	4,9	8	5	●	●
TC420-M8-C1-	M 8	1,25	90	12	35	8	6,2	9	5	●	●
TC420-M10-C1-	M 10	1,5	100	15	39	10	8	11	6	●	●

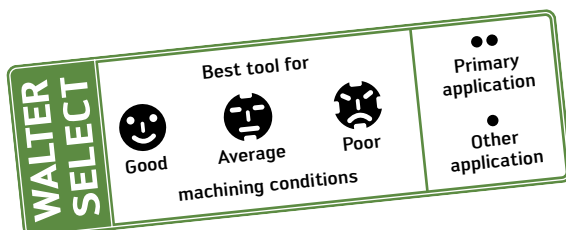
Ordering example for the WW60AD grade: TC420-M5-C1-WW60AD

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-L1-	M 12	1,75	110	16	83	9	7	10	6	●	●
TC420-M14-L1-	M 14	2	110	20	81	11	9	12	6	●	●
TC420-M16-L1-	M 16	2	110	20	68	12	9	12	6	●	●

Ordering example for the WW60AD grade: TC420-M12-L1-WW60AD



HSS-E-PM machine thread formers TC420 Supreme



- For long-chipping materials

$\leq 3 \times D_N$

$C=2-3$

36HRC
 1200
 -200
 N/mm²

M
DIN 13

6GX

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174											WW60AD	WW60BA
Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N		WW60AD	WW60BA
TC420-M2-E0-	M 2	0,4	45	4	11	2,8	2,1	5	3			
TC420-M2.5-E0-	M 2.5	0,45	50	4	14	2,8	2,1	5	3			
TC420-M3-E0-	M 3	0,5	56	6	18	3,5	2,7	6	4			
TC420-M3.5-E0-	M 3.5	0,6	56	7	20	4	3	6	4			
TC420-M4-E0-	M 4	0,7	63	7	21	4,5	3,4	6	5			
TC420-M5-E0-	M 5	0,8	70	8	25	6	4,9	8	5			
TC420-M6-E0-	M 6	1	80	10	30	6	4,9	8	5			
TC420-M8-E0-	M 8	1,25	90	12	35	8	6,2	9	5			
TC420-M10-E0-	M 10	1,5	100	15	39	10	8	11	6			

Ordering example for the WW60AD grade: TC420-M2-E0-WW60AD

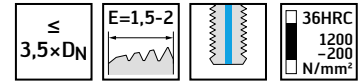
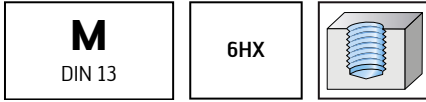
DIN 2174											WW60AD	WW60BA
Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N		WW60AD	WW60BA
TC420-M12-N0-	M 12	1,75	110	16	83	9	7	10	6			
TC420-M14-N0-	M 14	2	110	20	81	11	9	12	6			
TC420-M16-N0-	M 16	2	110	20	68	12	9	12	6			

Ordering example for the WW60AD grade: TC420-M12-N0-WW60AD

HSS-E-PM machine thread formers TC420 Supreme

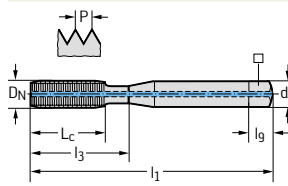


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

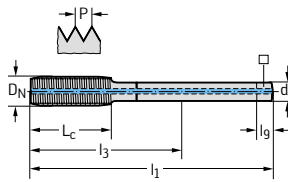
DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M5-CF-	M 5	0,8	70	8	25	6	4,9	8	5	●	●
TC420-M6-CF-	M 6	1	80	10	30	6	4,9	8	5	●	●
TC420-M8-CF-	M 8	1,25	90	12	35	8	6,2	9	5	●	●
TC420-M10-CF-	M 10	1,5	100	15	39	10	8	11	6	●	●

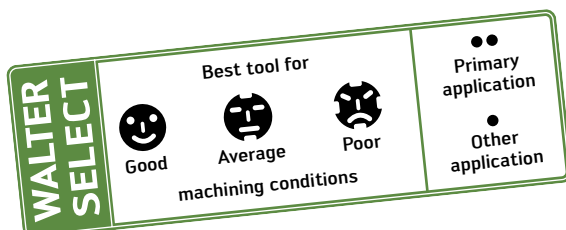
Ordering example for the WW60AD grade: TC420-M5-CF-WW60AD

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-LF-	M 12	1,75	110	16	83	9	7	10	6	●	
TC420-M16-LF-	M 16	2	110	20	68	12	9	12	6	●	

Ordering example for the WW60AD grade: TC420-M12-LF-WW60AD



HSS-E-PM machine thread formers TC420 Supreme



– For long-chipping materials

≤
3,5×DN

E=1,5-2

36HRC
1200
-200
N/mm²

M
DIN 13

6GX

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●	●	●
WW60BA	●	●	●	●	●	●	●

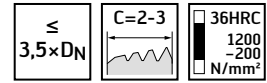
DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M5-EF-	M 5	0,8	70	8	25	6	4,9	8	5		●	●
TC420-M6-EF-	M 6	1	80	10	30	6	4,9	8	5		●	●
TC420-M8-EF-	M 8	1,25	90	12	35	8	6,2	9	5		●	●
TC420-M10-EF-	M 10	1,5	100	15	39	10	8	11	6		●	●

Ordering example for the WW60AD grade: TC420-M5-EF-WW60AD

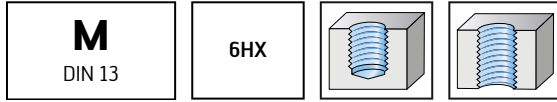
DIN 2174											WW60AD	WW60BA
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		WW60AD	WW60BA
TC420-M12-NF-	M 12	1,75	110	16	83	9	7	10	6		●	
TC420-M16-NF-	M 16	2	110	20	68	12	9	12	6		●	

Ordering example for the WW60AD grade: TC420-M12-NF-WW60AD

HSS-E-PM machine thread formers TC420 Supreme

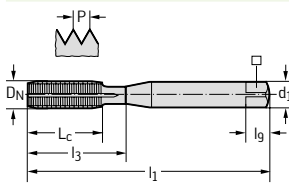


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

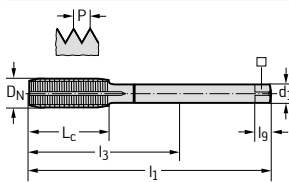
DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M2-C6-	M 2	0,4	45	4	11	2,8	2,1	5	3	●	●
TC420-M2.5-C6-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	●	●
TC420-M3-C6-	M 3	0,5	56	6	18	3,5	2,7	6	4	●	●
TC420-M3.5-C6-	M 3.5	0,6	56	7	20	4	3	6	4	●	●
TC420-M4-C6-	M 4	0,7	63	7	21	4,5	3,4	6	5	●	●
TC420-M5-C6-	M 5	0,8	70	8	25	6	4,9	8	5	●	●
TC420-M6-C6-	M 6	1	80	10	30	6	4,9	8	5	●	●
TC420-M8-C6-	M 8	1,25	90	12	35	8	6,2	9	5	●	●
TC420-M10-C6-	M 10	1,5	100	15	39	10	8	11	6	●	●

Ordering example for the WW60AD grade: TC420-M2-C6-WW60AD

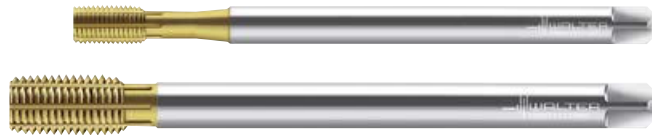
DIN 2174



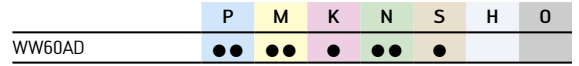
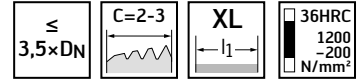
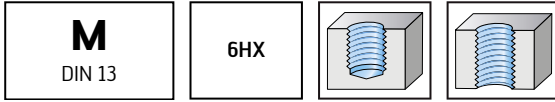
Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-L6-	M 12	1,75	110	16	83	9	7	10	6	●	●
TC420-M14-L6-	M 14	2	110	20	81	11	9	12	6	●	●
TC420-M16-L6-	M 16	2	110	20	68	12	9	12	6	●	●
TC420-M20-L6-	M 20	2,5	140	25	95	16	12	15	7	●	●

Ordering example for the WW60AD grade: TC420-M12-L6-WW60AD

HSS-E-PM machine thread formers TC420 Supreme



- For long-chipping materials



~DIN 371 XL

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
TC420-M3-CH-	M 3	0,5	125	6	18	3,5	2,7	6	4	
TC420-M4-CH-	M 4	0,7	125	7	21	4,5	3,4	6	5	
TC420-M5-CH-	M 5	0,8	140	8	25	6	4,9	8	5	
TC420-M6-CH-	M 6	1	160	10	30	6	4,9	8	5	

Ordering example for the WW60AD grade: TC420-M3-CH-WW60AD

~DIN 376 XL

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
TC420-M8-LH-	M 8	1,25	180	13	157	6	4,9	8	5	
TC420-M10-LH-	M 10	1,5	200	15	177	7	5,5	8	6	
TC420-M12-LH-	M 12	1,75	220	16	193	9	7	10	6	
TC420-M16-LH-	M 16	2	220	20	178	12	9	12	6	

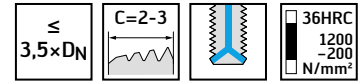
Ordering example for the WW60AD grade: TC420-M8-LH-WW60AD

HSS-E-PM machine thread formers

TC420 Supreme

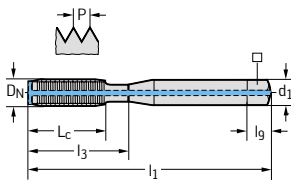


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

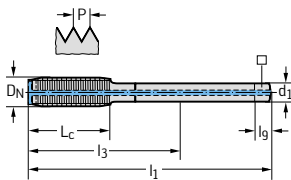
DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M5-C2-	M 5	0,8	70	8	25	6	4,9	8	5	●	●
TC420-M5-C2-AD-BOW	M 5	0,8	70	8	25	6	4,9	8	5	●	●
TC420-M5-C2-BA-BOW	M 5	0,8	70	8	25	6	4,9	8	5		●
TC420-M6-C2-	M 6	1	80	10	30	6	4,9	8	5	●	●
TC420-M6-C2-AD-BOW	M 6	1	80	10	30	6	4,9	8	5	●	●
TC420-M6-C2-BA-BOW	M 6	1	80	10	30	6	4,9	8	5		●
TC420-M8-C2-	M 8	1,25	90	12	35	8	6,2	9	5	●	●
TC420-M8-C2-AD-BOW	M 8	1,25	90	12	35	8	6,2	9	5	●	●
TC420-M8-C2-BA-BOW	M 8	1,25	90	12	35	8	6,2	9	5		●
TC420-M10-C2-	M 10	1,5	100	15	39	10	8	11	6	●	●
TC420-M10-C2-AD-BOW	M 10	1,5	100	15	39	10	8	11	6	●	●
TC420-M10-C2-BA-BOW	M 10	1,5	100	15	39	10	8	11	6		●

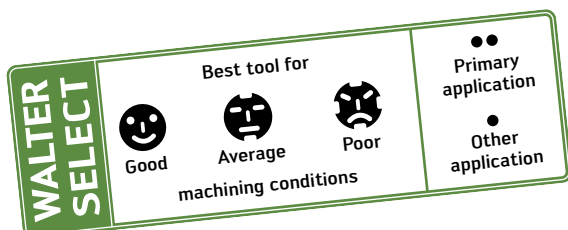
Ordering example for the WW60AD grade: TC420-M5-C2-WW60AD

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-L2-	M 12	1,75	110	16	83	9	7	10	6	●	●
TC420-M12-L2-AD-BOW	M 12	1,75	110	16	83	9	7	10	6	●	●
TC420-M12-L2-BA-BOW	M 12	1,75	110	16	83	9	7	10	6		●
TC420-M14-L2-	M 14	2	110	20	81	11	9	12	6	●	●
TC420-M14-L2-AD-BOW	M 14	2	110	20	81	11	9	12	6	●	●
TC420-M14-L2-BA-BOW	M 14	2	110	20	81	11	9	12	6		●
TC420-M16-L2-	M 16	2	110	20	68	12	9	12	6	●	●
TC420-M16-L2-AD-BOW	M 16	2	110	20	68	12	9	12	6	●	●
TC420-M16-L2-BA-BOW	M 16	2	110	20	68	12	9	12	6		●
TC420-M20-L2-	M 20	2,5	140	25	95	16	12	15	7	●	●
TC420-M20-L2-AD-BOW	M 20	2,5	140	25	95	16	12	15	7	●	●
TC420-M20-L2-BA-BOW	M 20	2,5	140	25	95	16	12	15	7		●
TC420-M24-L2-	M 24	3	160	30	113	18	14,5	17	8	●	●
TC420-M24-L2-AD-BOW	M 24	3	160	30	113	18	14,5	17	8	●	●
TC420-M24-L2-BA-BOW	M 24	3	160	30	113	18	14,5	17	8		●

Ordering example for the WW60AD grade: TC420-M12-L2-WW60AD



HSS-E-PM machine thread formers TC420 Supreme



- For long-chipping materials

$\leq 3,5 \times D_N$	E=1,5-2	36HRC 1200 -200 N/mm ²
-----------------------	---------	--

M DIN 13	6HX	
--------------------	------------	--

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
		TC420-M2-CE-	M 2	0,4	45	4	11	2,8	2,1	5	3		
		TC420-M2.5-CE-	M 2.5	0,45	50	4	14	2,8	2,1	5	3		
		TC420-M3-CE-	M 3	0,5	56	6	18	3,5	2,7	6	4		
		TC420-M3.5-CE-	M 3.5	0,6	56	7	20	4	3	6	4		
		TC420-M4-CE-	M 4	0,7	63	7	21	4,5	3,4	6	5		
		TC420-M5-CE-	M 5	0,8	70	8	25	6	4,9	8	5		
		TC420-M6-CE-	M 6	1	80	10	30	6	4,9	8	5		
		TC420-M8-CE-	M 8	1,25	90	12	35	8	6,2	9	5		
		TC420-M10-CE-	M 10	1,5	100	15	39	10	8	11	6		

Ordering example for the WW60AD grade: TC420-M2-CE-WW60AD

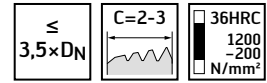
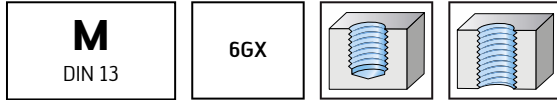
DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
		TC420-M12-LE-	M 12	1,75	110	16	83	9	7	10	6		
		TC420-M14-LE-	M 14	2	110	20	81	11	9	12	6		
		TC420-M16-LE-	M 16	2	110	20	68	12	9	12	6		

Ordering example for the WW60AD grade: TC420-M12-LE-WW60AD

HSS-E-PM machine thread formers TC420 Supreme

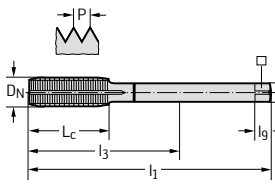


- For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

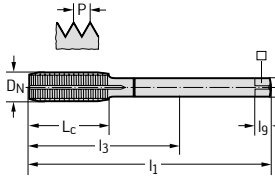
DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M2-E6-	M 2	0,4	45	4	11	2,8	2,1	5	3	●	●
TC420-M2.5-E6-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	●	●
TC420-M3-E6-	M 3	0,5	56	6	18	3,5	2,7	6	4	●	●
TC420-M3.5-E6-	M 3.5	0,6	56	7	20	4	3	6	4	●	●
TC420-M4-E6-	M 4	0,7	63	7	21	4,5	3,4	6	5	●	●
TC420-M5-E6-	M 5	0,8	70	8	25	6	4,9	8	5	●	●
TC420-M6-E6-	M 6	1	80	10	30	6	4,9	8	5	●	●
TC420-M8-E6-	M 8	1,25	90	12	35	8	6,2	9	5	●	●
TC420-M10-E6-	M 10	1,5	100	15	39	10	8	11	6	●	●

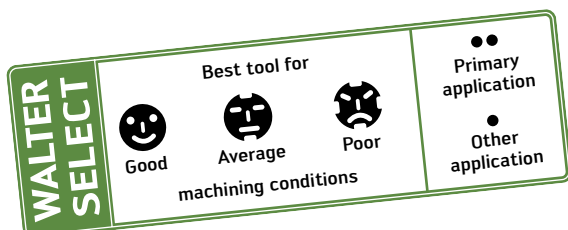
Ordering example for the WW60AD grade: TC420-M2-E6-WW60AD

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-N6-	M 12	1,75	110	16	83	9	7	10	6	●	
TC420-M14-N6-	M 14	2	110	20	81	11	9	12	6	●	
TC420-M16-N6-	M 16	2	110	20	68	12	9	12	6	●	

Ordering example for the WW60AD grade: TC420-M12-N6-WW60AD



HSS-E-PM machine thread formers TC420 Supreme



– For long-chipping materials

$\leq 3,5 \times D_N$	E=1,5-2	36HRC 1200 -200 N/mm ²
-----------------------	---------	--

M DIN 13	6GX	
--------------------	------------	--

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M2-EE-	M 2	0,4	45	4	11	2,8	2,1	5	3	●	●
TC420-M2.5-EE-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	●	●
TC420-M3-EE-	M 3	0,5	56	6	18	3,5	2,7	6	4	●	●
TC420-M4-EE-	M 4	0,7	63	7	21	4,5	3,4	6	5	●	●
TC420-M5-EE-	M 5	0,8	70	8	25	6	4,9	8	5	●	●
TC420-M6-EE-	M 6	1	80	10	30	6	4,9	8	5	●	●
TC420-M8-EE-	M 8	1,25	90	12	35	8	6,2	9	5	●	●
TC420-M10-EE-	M 10	1,5	100	15	39	10	8	11	6	●	●

Ordering example for the WW60AD grade: TC420-M2-EE-WW60AD

DIN 2174

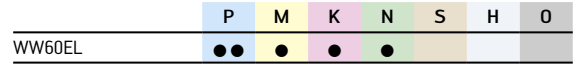
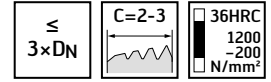
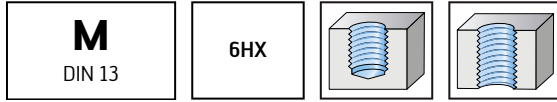
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M12-NE-	M 12	1,75	110	16	83	9	7	10	6	●	
TC420-M14-NE-	M 14	2	110	20	81	11	9	12	6	●	
TC420-M16-NE-	M 16	2	110	20	68	12	9	12	6	●	

Ordering example for the WW60AD grade: TC420-M12-NE-WW60AD

HSS-E-PM machine thread formers TC430 Supreme



- For long-chipping materials
- ISO M with oil only



DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60EL
TC430-M3-C0-	M 3	0,5	56	6	18	3,5	2,7	6	4	●
TC430-M4-C0-	M 4	0,7	63	7	21	4,5	3,4	6	5	●
TC430-M5-C0-	M 5	0,8	70	8	25	6	4,9	8	5	●
TC430-M6-C0-	M 6	1	80	10	30	6	4,9	8	5	●
TC430-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	6	●
TC430-M10-C0-	M 10	1,5	100	15	39	10	8	11	7	●

Ordering example for the WW60EL grade: TC430-M3-C0-WW60EL

WALTER SELECT

Best tool for machining conditions

Good Average Poor

●● Primary application
● Other application

HSS-E-PM machine thread formers TC430 Supreme



- For long-chipping materials
- ISO M with oil only

$\leq 3,5 \times D_N$	C=2-3	36HRC 1200 -200 N/mm ²
-----------------------	-------	--

M DIN 13	6HX		
--------------------	------------	--	--

	P	M	K	N	S	H	O
WW60EL	●	●	●	●			
WW60AD	●	●	●	●			

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60EL	WW60AD
TC430-M3-C6-	M 3	0,5	56	6	18	3,5	2,7	6	4		
TC430-M4-C6-	M 4	0,7	63	7	21	4,5	3,4	6	5		
TC430-M5-C6-	M 5	0,8	70	8	25	6	4,9	8	5		
TC430-M6-C6-	M 6	1	80	10	30	6	4,9	8	5		
TC430-M8-C6-	M 8	1,25	90	12	35	8	6,2	9	6		
TC430-M10-C6-	M 10	1,5	100	15	39	10	8	11	7		

Ordering example for the WW60AD grade: TC430-M8-C6-WW60AD

DIN 2174

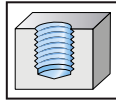
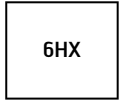
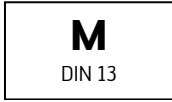
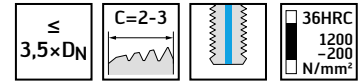
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60EL	WW60AD
TC430-M12-L6-	M 12	1,75	110	16	83	9	7	10	8		
TC430-M16-L6-	M 16	2	110	20	68	12	9	12	8		

Ordering example for the WW60AD grade: TC430-M12-L6-WW60AD

HSS-E-PM machine thread formers TC430 Supreme

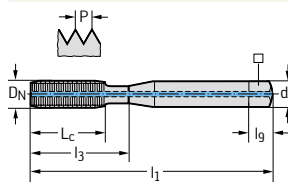


- For long-chipping materials
- ISO M with oil only



	P	M	K	N	S	H	O
WW60EL	●	●	●	●			
WW60AD	●	●	●	●			

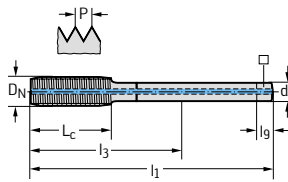
DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60EL	WW60AD
TC430-M5-C1-	M 5	0,8	70	8	25	6	4,9	8	5	●	
TC430-M6-C1-	M 6	1	80	10	30	6	4,9	8	5	●	
TC430-M8-C1-	M 8	1,25	90	12	35	8	6,2	9	6	●	●
TC430-M10-C1-	M 10	1,5	100	15	39	10	8	11	7	●	●

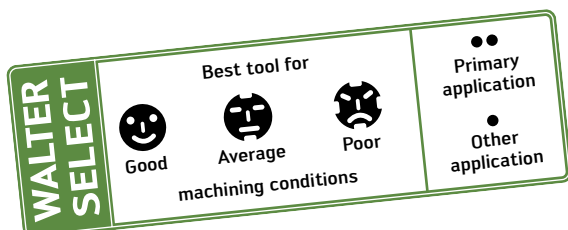
Ordering example for the WW60AD grade: TC430-M8-C1-WW60AD

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60EL	WW60AD
TC430-M12-L1-	M 12	1,75	110	16	83	9	7	10	8	●	●
TC430-M16-L1-	M 16	2	110	20	68	12	9	12	8	●	●

Ordering example for the WW60AD grade: TC430-M12-L1-WW60AD



HSS-E-PM machine thread formers TC430 Supreme



- For long-chipping materials
- ISO M with oil only

$\leq 3,5 \times DN$	C=2-3		36HRC 1200 -200 N/mm ²
----------------------	-------	--	--

M DIN 13	6HX		
--------------------	------------	--	--

	P	M	K	N	S	H	O
WW60EL	●	●	●	●			
WW60AD	●	●	●	●			

DIN 2174

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WW60EL	WW60AD
TC430-M5-C2-	M 5	0,8	70	8	25	6	4,9	8	5		
TC430-M6-C2-	M 6	1	80	10	30	6	4,9	8	5		
TC430-M8-C2-	M 8	1,25	90	12	35	8	6,2	9	6		
TC430-M10-C2-	M 10	1,5	100	15	39	10	8	11	7		

Ordering example for the WW60AD grade: TC430-M8-C2-WW60AD

DIN 2174

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WW60EL	WW60AD
TC430-M12-L2-	M 12	1,75	110	16	83	9	7	10	8		
TC430-M16-L2-	M 16	2	110	20	68	12	9	12	8		

Ordering example for the WW60AD grade: TC430-M12-L2-WW60AD

HSS-E-PM machine thread formers TC430 Supreme



- For long-chipping materials
- ISO M with oil only

$\leq 3,5 \times DN$

$C=2-3$

36HRC
1200
-200
N/mm²

M
DIN 13

6GX

P	M	K	N	S	H	O
●	●	●	●	●	●	●

WW60AD

DIN 2174

	Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
	TC430-M8-E6-	M 8	1,25	90	12	35	8	6,2	9	6	♻️
	TC430-M10-E6-	M 10	1,5	100	15	39	10	8	11	7	♻️

Ordering example for the WW60AD grade: TC430-M8-E6-WW60AD

DIN 2174

	Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
	TC430-M12-N6-	M 12	1,75	110	16	83	9	7	10	8	♻️
	TC430-M16-N6-	M 16	2	110	20	68	12	9	12	8	♻️

Ordering example for the WW60AD grade: TC430-M12-N6-WW60AD

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

● Other application

HSS-E machine thread formers TC440 Supreme



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

$\leq 3,5 \times D_N$

$C=2-3$

32HRC
1000
-200
N/mm²

M
DIN 13

6HX

	P	M	K	N	S	H	O
WY80AD	●	●●	●	●	●		

DIN 2174											WY80AD
	Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	
	TC440-M2-C6-	M 2	0,4	45	6	6	2,8	2,1	5	3	☼
	TC440-M2.5-C6-	M 2.5	0,45	50	8	8	2,8	2,1	5	3	☼
	TC440-M3-C6-	M 3	0,5	56	6	18	3,5	2,7	6	3	☼
	TC440-M4-C6-	M 4	0,7	63	7	21	4,5	3,4	6	3	☼
	TC440-M5-C6-	M 5	0,8	70	8	25	6	4,9	8	4	☼
	TC440-M6-C6-	M 6	1	80	10	30	6	4,9	8	5	☼
	TC440-M8-C6-	M 8	1,25	90	12	35	8	6,2	9	5	☼
	TC440-M10-C6-	M 10	1,5	100	15	39	10	8	11	5	☼

≤ M2.5 max. thread depth 3 x D_N
 Ordering example for the WY80AD grade: TC440-M2-C6-WY80AD

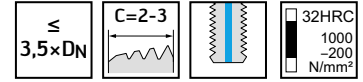
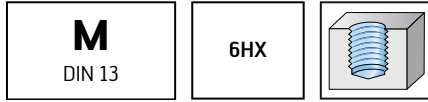
DIN 2174											WY80AD
	Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	
	TC440-M12-L6-	M 12	1,75	110	16	83	9	7	10	5	☼

Ordering example for the WY80AD grade: TC440-M12-L6-WY80AD

HSS-E machine thread formers TC440 Supreme



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



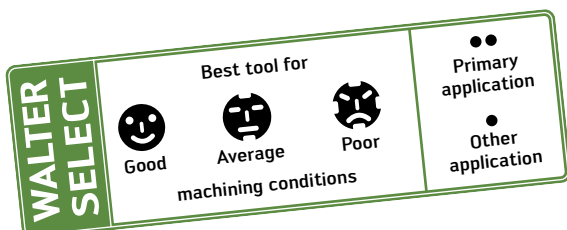
	P	M	K	N	S	H	O
WY80AD	●	●●	●	●	●		

DIN 2174		Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	mm	l_g mm	N	WY80AD
		TC440-M5-C1-	M 5	0,8	70	8	25	6	4,9	8	4	●
		TC440-M6-C1-	M 6	1	80	10	30	6	4,9	8	5	●
		TC440-M8-C1-	M 8	1,25	90	12	35	8	6,2	9	5	●
		TC440-M10-C1-	M 10	1,5	100	15	39	10	8	11	5	●

Ordering example for the WY80AD grade: TC440-M5-C1-WY80AD

DIN 2174		Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	mm	l_g mm	N	WY80AD
		TC440-M12-L1-	M 12	1,75	110	16	83	9	7	10	5	●

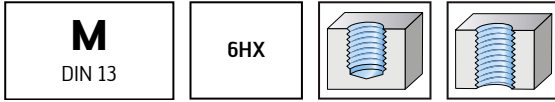
Ordering example for the WY80AD grade: TC440-M12-L1-WY80AD



HSS-E machine thread formers TC440 Supreme



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



≤
3,5×DN

C=2-3

32HRC
1000
-200
N/mm²

	P	M	K	N	S	H	O
WY80AD							

DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
		TC440-M5-C2-	M 5	0,8	70	8	25	6	4,9	8	4	
		TC440-M6-C2-	M 6	1	80	10	30	6	4,9	8	5	
		TC440-M8-C2-	M 8	1,25	90	12	35	8	6,2	9	5	
		TC440-M10-C2-	M 10	1,5	100	15	39	10	8	11	5	

Ordering example for the WY80AD grade: TC440-M5-C2-WY80AD

DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
		TC440-M12-L2-	M 12	1,75	110	16	83	9	7	10	5	

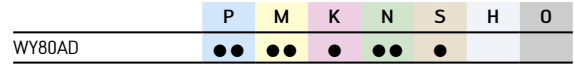
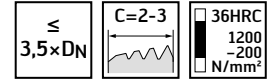
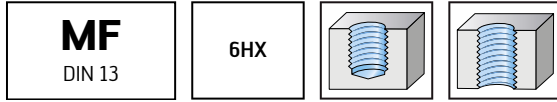
Ordering example for the WY80AD grade: TC440-M12-L2-WY80AD

HSS-E machine thread formers

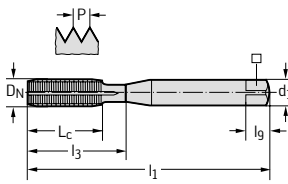
TC410 Advance



– For long-chipping materials



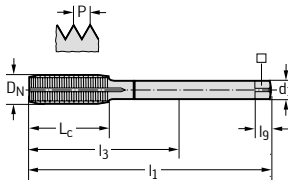
DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC410-M4X0.5-C6-	MF 4x0.5	0,5	63	12	21	4,5	3,4	6	5	
TC410-M5X0.5-C6-	MF 5x0.5	0,5	70	13	25	6	4,9	8	5	
TC410-M6X0.5-C6-	MF 6x0.5	0,5	80	15	30	6	4,9	8	5	
TC410-M6X0.75-C6-	MF 6x0.75	0,75	80	15	30	6	4,9	8	5	
TC410-M7X0.75-C6-	MF 7x0.75	0,75	80	15	30	7	5,5	8	5	

Ordering example for the WY80AD grade: TC410-M4X0.5-C6-WY80AD

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC410-M8X0.5-L6-	MF 8x0.5	0,5	80	15	57	6	4,9	8	5	
TC410-M8X0.75-L6-	MF 8x0.75	0,75	80	15	57	6	4,9	8	5	
TC410-M8X1-L6-	MF 8x1	1	90	18	67	6	4,9	8	5	
TC410-M10X1-L6-	MF 10x1	1	90	20	67	7	5,5	8	6	
TC410-M10X1.25-L6-	MF 10x1.25	1,25	100	20	77	7	5,5	8	6	
TC410-M12X1-L6-	MF 12x1	1	100	21	73	9	7	10	6	
TC410-M12X1.25-L6-	MF 12x1.25	1,25	100	21	73	9	7	10	6	
TC410-M12X1.5-L6-	MF 12x1.5	1,5	100	21	73	9	7	10	6	
TC410-M14X1.5-L6-	MF 14x1.5	1,5	100	21	71	11	9	12	6	
TC410-M16X1.5-L6-	MF 16x1.5	1,5	100	21	58	12	9	12	6	
TC410-M18X1.5-L6-	MF 18x1.5	1,5	110	24	66	14	11	14	7	
TC410-M20X1.5-L6-	MF 20x1.5	1,5	125	24	80	16	12	15	7	
TC410-M20X2-L6-	MF 20x2	2	140	30	95	16	12	15	7	
TC410-M22X1.5-L6-	MF 22x1.5	1,5	125	24	78	18	14,5	17	7	
TC410-M24X1.5-L6-	MF 24x1.5	1,5	140	26	93	18	14,5	17	8	

Ordering example for the WY80AD grade: TC410-M8X0.5-L6-WY80AD

Continued

Continued

DIN 2174											
	Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	\square mm	l_g mm	N	WY80AD
	TC410-M24X2-L6-	MF 24x2	2	140	26	93	18	14,5	17	8	
	TC410-M27X1.5-L6-	MF 27x1.5	1,5	140	26	77	20	16	19	8	
	TC410-M27X2-L6-	MF 27x2	2	140	26	77	20	16	19	8	
	TC410-M30X1.5-L6-	MF 30x1.5	1,5	150	26	85	22	18	21	8	
	TC410-M30X2-L6-	MF 30x2	2	150	26	85	22	18	21	8	

Ordering example for the WY80AD grade: TC410-M8X0.5-L6-WY80AD

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

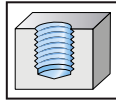
•• Primary application

• Other application

HSS-E machine thread formers TC410 Advance



- For long-chipping materials



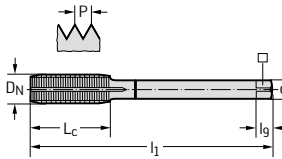
\leq
3,5 × DN

E=1,5-2

36HRC
 1200
 -200
 N/mm²

	P	M	K	N	S	H	O
WY80AD	●	●	●	●	●		

DIN 2174											WY80AD
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		
TC410-M10X1-NE-	MF 10x1	1	90	20	20	7	5,5	8	6		
TC410-M12X1.5-NE-	MF 12x1.5	1,5	100	21	73	9	7	10	6		
TC410-M14X1.5-NE-	MF 14x1.5	1,5	100	21	71	11	9	12	7		
TC410-M16X1.5-NE-	MF 16x1.5	1,5	100	21	58	12	9	12	7		



Ordering example for the WY80AD grade: TC410-M10X1-NE-WY80AD

HSS-E-PM machine thread formers TC420 Supreme



- For long-chipping materials

MF
DIN 13

6HX

$\leq 3,5 \times DN$

$C=2-3$

36HRC
1200
-200
N/mm ²

	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		

DIN 2174	Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
	TC420-M8X1-L1-	MF 8x1	1	90	12	67	6	4,9	8	5	●●
	TC420-M10X1-L1-	MF 10x1	1	90	12	67	7	5,5	8	6	●●
	TC420-M12X1-L1-	MF 12x1	1	100	13	73	9	7	10	6	●●
	TC420-M12X1.5-L1-	MF 12x1.5	1,5	100	13	73	9	7	10	6	●●
	TC420-M14X1.5-L1-	MF 14x1.5	1,5	100	15	71	11	9	12	6	●●

Ordering example for the WW60AD grade: TC420-M8X1-L1-WW60AD

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

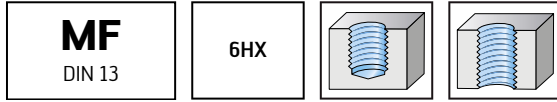
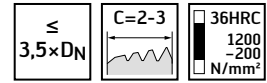
● Other application

HSS-E-PM machine thread formers

TC420 Supreme

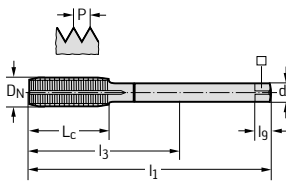


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M8X1-L6-	MF 8x1	1	90	12	67	6	4,9	8	5	●	●
TC420-M10X1-L6-	MF 10x1	1	90	12	67	7	5,5	8	6	●	●
TC420-M12X1-L6-	MF 12x1	1	100	13	73	9	7	10	6	●	●
TC420-M12X1.5-L6-	MF 12x1.5	1,5	100	13	73	9	7	10	6	●	●
TC420-M14X1-L6-	MF 14x1	1	100	15	71	11	9	12	6	●	●
TC420-M14X1.25-L6-	MF 14x1.25	1,25	100	15	71	11	9	12	6	●	
TC420-M14X1.5-L6-	MF 14x1.5	1,5	100	15	71	11	9	12	6	●	●
TC420-M16X1.5-L6-	MF 16x1.5	1,5	100	15	58	12	9	12	6	●	●

Ordering example for the WW60AD grade: TC420-M8X1-L6-WW60AD

HSS-E-PM machine thread formers TC420 Supreme



- For long-chipping materials

$\leq 3,5 \times DN$	C=2-3		36HRC 1200 -200 N/mm ²
----------------------	-------	--	--

MF DIN 13	6HX		
---------------------	------------	--	--

	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	5	●	●
TC420-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	6	●	●
TC420-M12X1-L2-	MF 12x1	1	100	13	73	9	7	10	6	●	●
TC420-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	6	●	●
TC420-M14X1.5-L2-	MF 14x1.5	1,5	100	15	71	11	9	12	6	●	●
TC420-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	6	●	●

Ordering example for the WW60AD grade: TC420-M8X1-L2-WW60AD

WALTER SELECT

Best tool for machining conditions

Good
 Average
 Poor

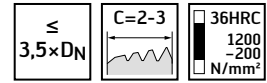
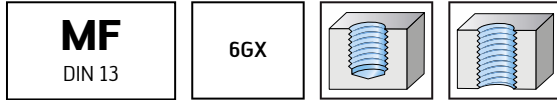
●● Primary application
 ● Other application

HSS-E-PM machine thread formers

TC420 Supreme

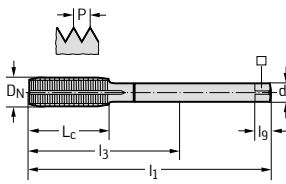


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●	●	●	●	●		
WW60BA	●	●	●	●	●		

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD	WW60BA
TC420-M8X1-N6-	MF 8x1	1	90	12	67	6	4,9	8	5	●	●
TC420-M10X1-N6-	MF 10x1	1	90	12	67	7	5,5	8	6	●	●
TC420-M12X1-N6-	MF 12x1	1	100	13	73	9	7	10	6	●	●
TC420-M12X1.5-N6-	MF 12x1.5	1,5	100	13	73	9	7	10	6	●	●
TC420-M14X1.5-N6-	MF 14x1.5	1,5	100	15	71	11	9	12	6	●	●
TC420-M16X1.5-N6-	MF 16x1.5	1,5	100	15	58	12	9	12	6	●	●

Ordering example for the WW60AD grade: TC420-M8X1-N6-WW60AD

HSS-E-PM machine thread formers TC430 Supreme



- For long-chipping materials
- ISO M with oil only

$\leq 3,5 \times D_N$	C=2-3	36HRC 1200 -200 N/mm ²
-----------------------	-------	--

MF DIN 13	6HX		
---------------------	------------	--	--

	P	M	K	N	S	H	O
WW60EL	●	●	●	●			
WW60AD	●	●	●	●			

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60EL	WW60AD
TC430-M8X1-L6-	MF 8x1	1	90	12	67	6	4,9	8	6	●	●
TC430-M10X1-L6-	MF 10x1	1	90	12	67	7	5,5	8	7	●	●
TC430-M10X1.25-L6-	MF 10x1.25	1,25	100	15	77	7	5,5	8	7	●	●
TC430-M12X1.25-L6-	MF 12x1.25	1,25	100	13	73	9	7	10	8	●	●
TC430-M12X1.5-L6-	MF 12x1.5	1,5	100	13	73	9	7	10	8	●	●
TC430-M14X1.5-L6-	MF 14x1.5	1,5	100	15	71	11	9	12	8	●	●
TC430-M16X1.5-L6-	MF 16x1.5	1,5	100	15	58	12	9	12	8	●	●

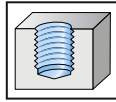
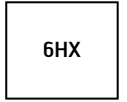
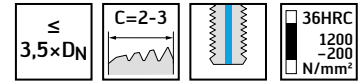
Ordering example for the WW60AD grade: TC430-M8X1-L6-WW60AD

WALTER SELECT	Best tool for			●● Primary application
	☺ Good	☹ Average	☹ Poor	
machining conditions				

HSS-E-PM machine thread formers TC430 Supreme

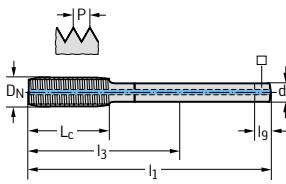


- For long-chipping materials
- ISO M with oil only



	P	M	K	N	S	H	O
WW60EL	●	●	●	●			
WW60AD	●	●	●	●			

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60EL	WW60AD
TC430-M8X1-L1-	MF 8x1	1	90	12	67	6	4,9	8	6	●	●
TC430-M10X1-L1-	MF 10x1	1	90	12	67	7	5,5	8	7	●	●
TC430-M10X1.25-L1-	MF 10x1.25	1,25	100	15	77	7	5,5	8	7	●	●
TC430-M12X1-L1-	MF 12x1	1	100	13	73	9	7	10	8	●	
TC430-M12X1.25-L1-	MF 12x1.25	1,25	100	13	73	9	7	10	8	●	●
TC430-M12X1.5-L1-	MF 12x1.5	1,5	100	13	73	9	7	10	8	●	●
TC430-M14X1.5-L1-	MF 14x1.5	1,5	100	15	71	11	9	12	8	●	●
TC430-M16X1.5-L1-	MF 16x1.5	1,5	100	15	58	12	9	12	8	●	●

Ordering example for the WW60AD grade: TC430-M8X1-L1-WW60AD

HSS-E-PM machine thread formers TC430 Supreme



- For long-chipping materials
- ISO M with oil only

≤
3,5×DN

C=2-3

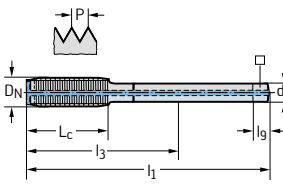
36HRC
1200
-200
N/mm²

MF
DIN 13

6HX

	P	M	K	N	S	H	O
WW60EL	●	●	●	●			
WW60AD	●	●	●	●			

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60EL	WW60AD
TC430-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	6	●	●
TC430-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	7	●	●
TC430-M10X1.25-L2-	MF 10x1.25	1,25	100	15	77	7	5,5	8	7	●	●
TC430-M12X1-L2-	MF 12x1	1	100	13	73	9	7	10	8	●	●
TC430-M12X1.25-L2-	MF 12x1.25	1,25	100	13	73	9	7	10	8	●	●
TC430-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	8	●	●
TC430-M14X1.5-L2-	MF 14x1.5	1,5	100	15	71	11	9	12	8	●	●
TC430-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	8	●	●

Ordering example for the WW60AD grade: TC430-M8X1-L2-WW60AD

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

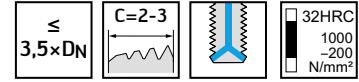
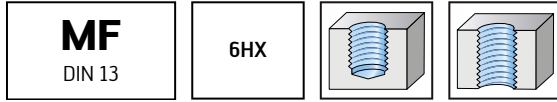
●● Primary application

● Other application

HSS-E machine thread formers TC440 Supreme



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



	P	M	K	N	S	H	O
WY80AD	●	●●	●	●	●		

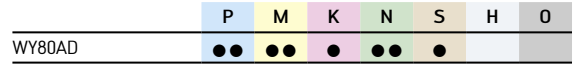
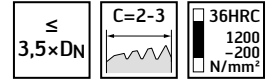
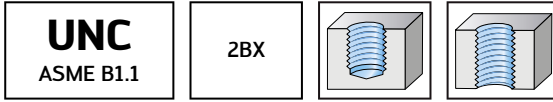
DIN 2174		Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
		TC440-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	5	●
		TC440-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	5	●
		TC440-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	5	●
		TC440-M14X1.5-L2-	MF 14x1.5	1,5	100	15	58	11	9	12	6	●
		TC440-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	6	●
		TC440-M18X1.5-L2-	MF 18x1.5	1,5	110	17	66	14	11	14	6	●

Ordering example for the WY80AD grade: TC440-M8X1-L2-WY80AD

HSS-E machine thread formers TC410 Advance



– For long-chipping materials



DIN 2184-1											WY80AD
Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		
TC410-UNC2-C6-	UNC 2-56	2,184	45	7	12	2,8	2,1	5	3		
TC410-UNC4-C6-	UNC 4-40	2,845	56	9	18	3,5	2,7	6	3		
TC410-UNC6-C6-	UNC 6-32	3,505	56	11	20	4	3	6	4		
TC410-UNC8-C6-	UNC 8-32	4,166	63	12	21	4,5	3,4	6	5		
TC410-UNC10-C6-	UNC 10-24	4,826	70	13	25	6	4,9	8	5		
TC410-UNC1/4-C6-	UNC 1/4-20	6,35	80	15	30	7	5,5	8	5		
TC410-UNC5/16-C6-	UNC 5/16-18	7,938	90	18	35	8	6,2	9	5		
TC410-UNC3/8-C6-	UNC 3/8-16	9,525	100	20	39	10	8	11	5		

Ordering example for the WY80AD grade: TC410-UNC2-C6-WY80AD

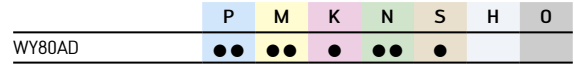
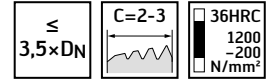
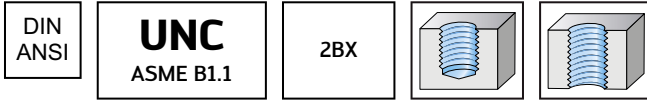
DIN 2184-1											WY80AD
Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N		
TC410-UNC7/16-L6-	UNC 7/16-14	11,113	100	20	76	8	6,2	9	6		
TC410-UNC1/2-L6-	UNC 1/2-13	12,7	110	23	83	9	7	10	6		
TC410-UNC5/8-L6-	UNC 5/8-11	15,875	110	25	68	12	9	12	6		

Ordering example for the WY80AD grade: TC410-UNC7/16-L6-WY80AD

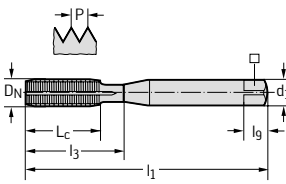
HSS-E machine thread formers TC410 Advance



- Universal thread former
- With lubrication grooves



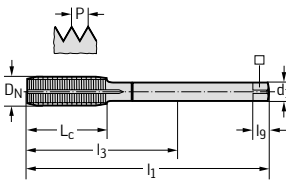
DIN/ANSI



Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AD
TC410.UNC2-C6-	UNC 2-56	0,086	1,772	0,276	0,472	0,141	0,110	0,190	3	
TC410.UNC4-C6-	UNC 4-40	0,112	2,205	0,354	0,709	0,141	0,110	0,190	3	
TC410.UNC5-C6-	UNC 5-40	0,125	2,205	0,394	0,709	0,141	0,110	0,190	4	
TC410.UNC6-C6-	UNC 6-32	0,138	2,205	0,512	0,787	0,141	0,110	0,190	4	
TC410.UNC8-C6-	UNC 8-32	0,164	2,480	0,591	0,984	0,168	0,131	0,250	5	
TC410.UNC10-C6-	UNC 10-24	0,190	2,756	0,709	0,984	0,194	0,152	0,250	5	
TC410.UNC1/4-C6-	UNC 1/4-20	0,250	3,150	0,630	1,181	0,255	0,191	0,313	5	
TC410.UNC5/16-C6-	UNC 5/16-18	0,313	3,543	0,748	1,378	0,318	0,238	0,380	5	
TC410.UNC3/8-C6-	UNC 3/8-16	0,375	3,937	0,748	1,535	0,381	0,286	0,437	5	

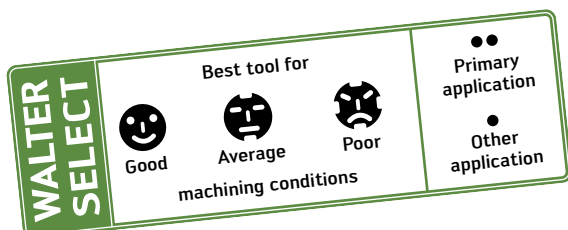
Ordering example for the WY80AD grade: TC410.UNC2-C6-WY80AD

DIN/ANSI



Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AD
TC410.UNC7/16-L6-	UNC 7/16-14	0,438	3,937	0,866	2,862	0,323	0,242	0,406	6	
TC410.UNC1/2-L6-	UNC 1/2-13	0,500	4,331	0,945	3,224	0,367	0,275	0,437	6	
TC410.UNC9/16-L6-	UNC 9/16-12	0,563	4,331	1,024	3,161	0,429	0,322	0,500	6	
TC410.UNC5/8-L6-	UNC 5/8-11	0,625	4,331	1,102	2,587	0,480	0,360	0,563	6	
TC410.UNC3/4-L6-	UNC 3/4-10	0,750	4,921	1,181	3,051	0,590	0,442	0,689	7	
TC410.UNC7/8-L6-	UNC 7/8-9	0,875	5,512	1,181	3,583	0,697	0,523	0,750	7	

Ordering example for the WY80AD grade: TC410.UNC7/16-L6-WY80AD



HSS-E-PM machine thread formers TC420 Supreme



- Universal high-performance thread former
- With lubrication grooves

≤
3,5×DN

C=2-3

36HRC
1200
-200
N/mm²

DIN
ANSI

UNC
ASME B1.1

2BX

P

M

K

N

S

H

O

WW60AD

DIN/ANSI		Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WW60AD
		TC420.UNC10-C2-	UNC 10-24	0,190	2,756	0,315	0,984	0,194	0,152	0,250	5	
		TC420.UNC1/4-C2-	UNC 1/4-20	0,250	3,150	0,394	1,181	0,255	0,191	0,313	5	
		TC420.UNC5/16-C2-	UNC 5/16-18	0,313	3,543	0,472	1,378	0,318	0,238	0,380	5	
		TC420.UNC3/8-C2-	UNC 3/8-16	0,375	3,937	0,591	1,535	0,381	0,286	0,437	5	

Ordering example for the WW60AD grade: TC420.UNC1/4-C2-WW60AD

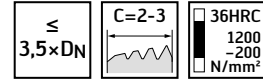
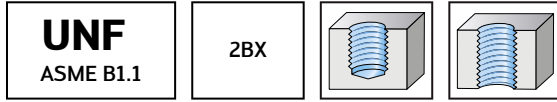
DIN/ANSI		Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WW60AD
		TC420.UNC1/2-L2-	UNC 1/2-13	0,500	4,331	0,709	3,224	0,367	0,275	0,437	6	
		TC420.UNC5/8-L2-	UNC 5/8-11	0,625	4,331	0,787	2,587	0,480	0,360	0,563	6	
		TC420.UNC3/4-L2-	UNC 3/4-10	0,750	4,921	0,984	3,051	0,590	0,442	0,689	7	

Ordering example for the WW60AD grade: TC420.UNC1/2-L2-WW60AD

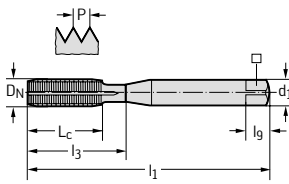
HSS-E machine thread formers TC410 Advance



- For long-chipping materials



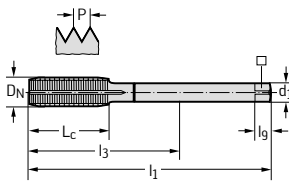
DIN 2184-1



Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC410-UNF2-C6-	UNF 2-64	2,184	45	7	12	2,8	2,1	5	3	☞
TC410-UNF4-C6-	UNF 4-48	2,845	56	9	18	3,5	2,7	6	3	☞
TC410-UNF6-C6-	UNF 6-40	3,505	56	11	20	4	3	6	4	☞
TC410-UNF8-C6-	UNF 8-36	4,166	63	12	21	4,5	3,4	6	5	☞
TC410-UNF10-C6-	UNF 10-32	4,826	70	13	25	6	4,9	8	5	☞
TC410-UNF1/4-C6-	UNF 1/4-28	6,35	80	15	30	7	5,5	8	5	☞
TC410-UNF5/16-C6-	UNF 5/16-24	7,938	90	18	35	8	6,2	9	5	☞
TC410-UNF3/8-C6-	UNF 3/8-24	9,525	90	20	39	10	8	11	5	☞

Ordering example for the WY80AD grade: TC410-UNF2-C6-WY80AD

DIN 2184-1



Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC410-UNF7/16-L6-	UNF 7/16-20	11,113	100	20	76	8	6,2	9	6	☞
TC410-UNF1/2-L6-	UNF 1/2-20	12,7	100	21	73	9	7	10	6	☞
TC410-UNF5/8-L6-	UNF 5/8-18	15,875	100	21	58	12	9	12	6	☞

Ordering example for the WY80AD grade: TC410-UNF7/16-L6-WY80AD

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

machining conditions

•• Primary application

• Other application

HSS-E machine thread formers TC410 Advance



- Universal thread former
- With lubrication grooves

$\leq 3,5 \times D_N$

$C=2-3$

36HRC
1200
-200
N/mm²

DIN
ANSI

UNF
ASME B1.1

2BX

WY80AD

P	M	K	N	S	H	O
---	---	---	---	---	---	---

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AD
	TC410.UNF0-C6-	UNF 0-80	0,060	1,575	0,217	0,256	0,141	0,110	0,190	3	
	TC410.UNF1-C6-	UNF 1-72	0,073	1,772	0,276	0,354	0,141	0,110	0,190	3	
	TC410.UNF6-C6-	UNF 6-40	0,138	2,205	0,512	0,787	0,141	0,110	0,190	4	
	TC410.UNF8-C6-	UNF 8-36	0,164	2,480	0,591	0,984	0,168	0,131	0,250	5	
	TC410.UNF10-C6-	UNF 10-32	0,190	2,756	0,709	0,984	0,194	0,152	0,250	5	
	TC410.UNF1/4-C6-	UNF 1/4-28	0,250	3,150	0,630	1,181	0,255	0,191	0,313	5	
	TC410.UNF5/16-C6-	UNF 5/16-24	0,313	3,543	0,748	1,378	0,318	0,238	0,380	5	
	TC410.UNF3/8-C6-	UNF 3/8-24	0,375	3,937	0,748	1,535	0,381	0,286	0,437	5	

Ordering example for the WY80AD grade: TC410.UNF0-C6-WY80AD

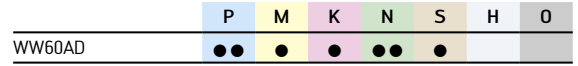
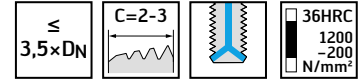
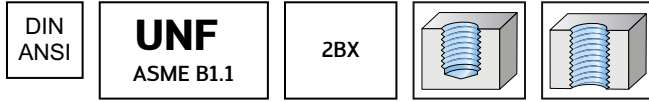
DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WY80AD
	TC410.UNF7/16-L6-	UNF 7/16-20	0,438	3,937	0,866	2,862	0,323	0,242	0,406	6	
	TC410.UNF1/2-L6-	UNF 1/2-20	0,500	3,937	0,945	2,831	0,367	0,275	0,437	6	
	TC410.UNF9/16-L6-	UNF 9/16-18	0,563	3,937	1,024	2,768	0,429	0,322	0,500	6	
	TC410.UNF5/8-L6-	UNF 5/8-18	0,625	3,937	1,102	2,193	0,480	0,360	0,563	6	
	TC410.UNF3/4-L6-	UNF 3/4-16	0,750	4,331	1,181	2,461	0,590	0,442	0,689	7	
	TC410.UNF7/8-L6-	UNF 7/8-14	0,875	4,921	1,260	2,992	0,697	0,523	0,750	7	

Ordering example for the WY80AD grade: TC410.UNF7/16-L6-WY80AD

HSS-E-PM machine thread formers TC420 Supreme



- Universal high-performance thread former
- With lubrication grooves

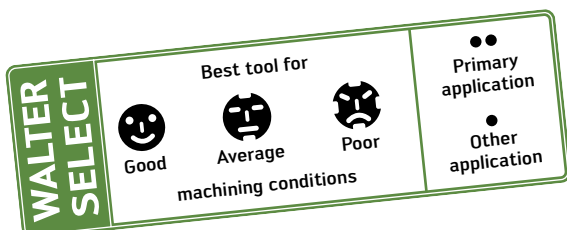


DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WW60AD
	TC420.UNF10-C2-	UNF 10-32	0,190	2,756	0,315	0,984	0,194	0,152	0,250	5	
	TC420.UNF1/4-C2-	UNF 1/4-28	0,250	3,150	0,394	1,181	0,255	0,191	0,313	5	
	TC420.UNF5/16-C2-	UNF 5/16-24	0,313	3,543	0,472	1,378	0,318	0,238	0,380	5	
	TC420.UNF3/8-C2-	UNF 3/8-24	0,375	3,937	0,472	1,535	0,381	0,286	0,437	5	

Ordering example for the WW60AD grade: TC420.UNF1/4-C2-WW60AD

DIN/ANSI	Designation	D _N -P	D _N inch	l ₁ inch	L _c inch	l ₃ inch	d ₁ h9 inch	□ inch	l _g inch	N	WW60AD
	TC420.UNF7/16-L2-	UNF 7/16-20	0,438	3,937	0,591	2,862	0,323	0,242	0,406	6	
	TC420.UNF1/2-L2-	UNF 1/2-20	0,500	3,937	0,591	2,831	0,367	0,275	0,437	6	
	TC420.UNF9/16-L2-	UNF 9/16-18	0,563	3,937	0,591	2,768	0,429	0,322	0,500	6	
	TC420.UNF5/8-L2-	UNF 5/8-18	0,625	3,937	0,591	2,193	0,480	0,360	0,563	6	
	TC420.UNF3/4-L2-	UNF 3/4-16	0,750	4,331	0,669	2,461	0,590	0,442	0,689	7	

Ordering example for the WW60AD grade: TC420.UNF7/16-L2-WW60AD

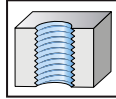
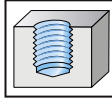


HSS-E machine thread formers TC410 Advance



- For long-chipping materials

G (BSP)
DIN EN ISO 228



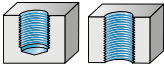

$\leq 3,5 \times D_N$	C=2-3	36HRC 1200 -200 N/mm ²
-----------------------	-------	--

	P	M	K	N	S	H	O
WY80AD	●	●	●	●	●		

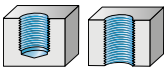

DIN 2189	Designation	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
	TC410-G1/8-N6-	G 1/8-28	9,728	28	90	20	20	7	5,5	8	5	
	TC410-G1/4-N6-	G 1/4-19	13,157	19	100	21	71	11	9	12	6	
	TC410-G3/8-N6-	G 3/8-19	16,662	19	100	21	58	12	9	12	6	
	TC410-G1/2-N6-	G 1/2-14	20,955	14	125	24	80	16	12	15	8	
	TC410-G3/4-N6-	G 3/4-14	26,441	14	140	26	77	20	16	19	8	
	TC410-G1-N6-	G 1"-11	33,249	11	160	28	93	25	20	23	8	

Ordering example for the WY80AD grade: TC410-G1/8-N6-WY80AD

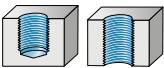




Product range overview – Thread milling cutters Drill/thread mills

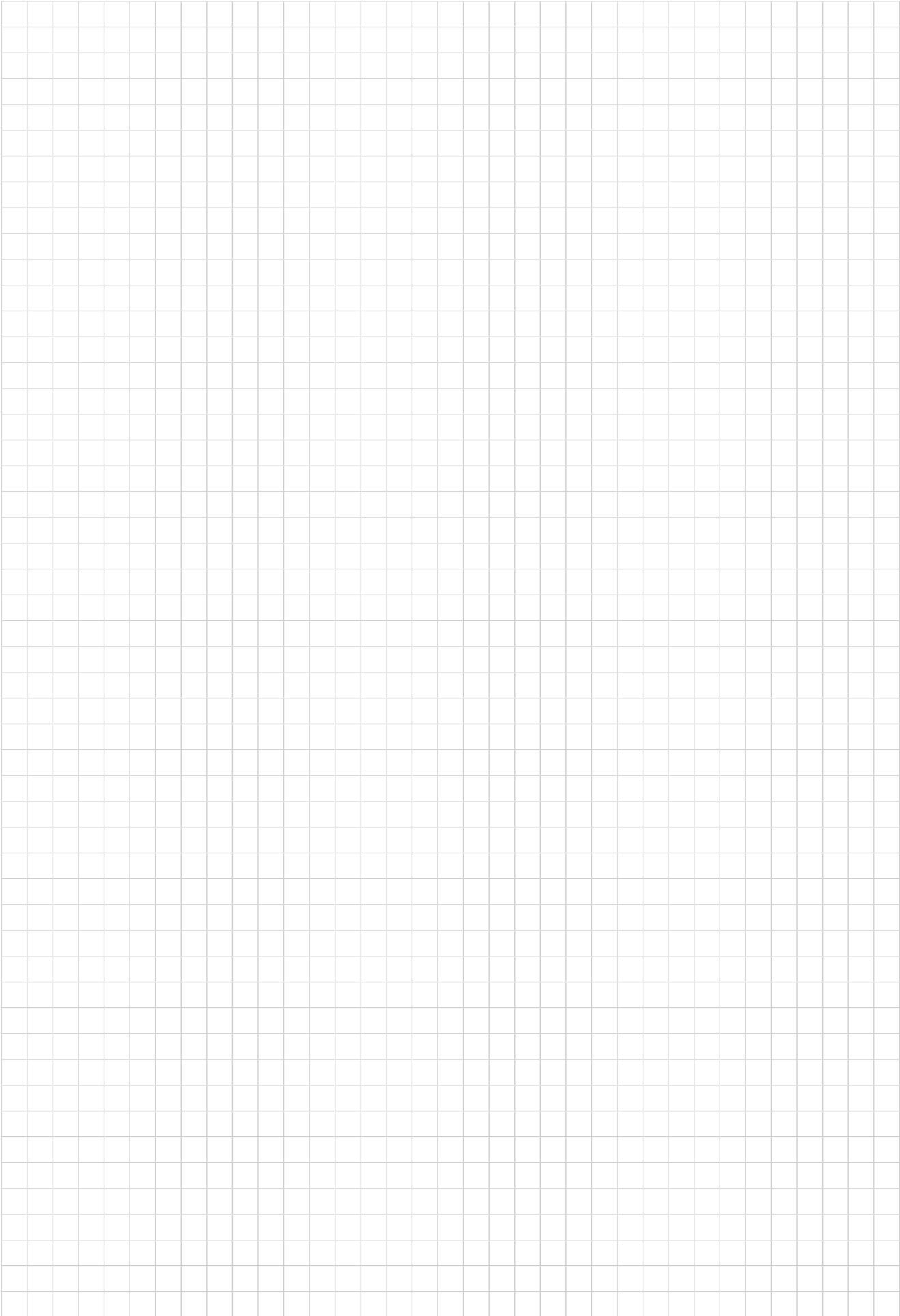
Machining	
Thread depth	
Designation	TC685 Supreme
Coolant supply	Axial/external
Shank	DIN 6535 HA
Helix angle	14°
Thread type	
	

Product range overview – Thread milling cutters Orbital thread milling cutters

Machining	
Thread depth	
Designation	TC630 Supreme
Coolant supply	Axial/external
Shank	DIN 6535 HA
Helix angle	0° / 15°
Thread type	
	

Product range overview – Thread milling cutters Thread milling cutters with indexable insert

Machining				
Designation	T2710	T2711	T2712	T2713
Coolant supply	Radial	Radial	Radial	Radial
Shank	DIN 1835 B	DIN 1835 B	DIN 1835 B	DIN 1835 B Walter Capto™ in acc. with ISO 26623
				



Walter Select thread milling cutters

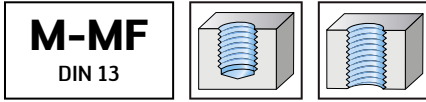
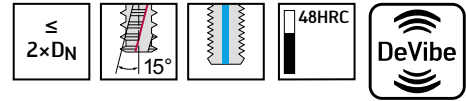
Material group	<p>Overview of the main material groups and code letters</p>			Machining								
				Thread depth								
				Designation			TC685 Supreme		TC630 Supreme			
				Description			Supreme		Supreme			
				Coolant supply			Axial/external		Axial/external			
				Coating/grade			WB10RC		WB10RA / WB10TJ			
				Shank			DIN 6535 HA		DIN 6535 HA			
				Helix angle			14°		0° / 15°			
				Thread type Page								
							Birrell hardness HB	Tensile strength R _m (N/mm ²)	Machining size			
P	Non-alloyed steel	C ≤ 0,25%	Annealed	125	62	P1						
		C > 0,25... ≤ 0,55%	Annealed	190	93	P2						
		C > 0,25... ≤ 0,55%	Heat-treated	210	103	P3						
		C > 0,55%	Annealed	190	93	P4						
		C > 0,55%	Heat-treated	300	146	P5						
		Free-machining steel (short-chipping)	Annealed	220	109	P6						
	Low-alloy steel	Annealed		175	86	P7						
		Heat-treated		285	139	P8						
		Heat-treated		380	186	P9						
		Heat-treated		430	215	P10						
High-alloy steel and high-alloy tool steel	Annealed		200	99	P11							
	Hardened and tempered		300	146	P12							
	Hardened and tempered		380	186	P13							
Stainless steel	Ferritic/martensitic, annealed		200	99	P14							
	Martensitic, heat-treated		330	161	P15							
M	Stainless steel	Austenitic, quench hardened		200	99	M1						
		Austenitic, precipitation hardened (PH)		300	146	M2						
		Austenitic/ferritic, duplex		230	113	M3						
K	Malleable cast iron	Ferritic		200	58	K1						
		Pearlitic		260	102	K2						
	Grey cast iron	Low strength		180	29	K3						
		High strength/austenitic		245	51	K4						
	Cast iron with spheroidal graphite	Ferritic		155	58	K5						
		Pearlitic		265	102	K6						
	GGV (CGI)		230	58	K7							
N	Wrought aluminium alloys	Not hardenable		30	-	N1						
		Hardenable, hardened		100	49	N2						
	Cast aluminium alloys	≤ 12% Si, not hardenable		75	38	N3						
		≤ 12% Si, hardenable, hardened		90	45	N4						
		> 12% Si, not hardenable		130	65	N5						
	Magnesium-based alloys		70	36	N6							
	Copper and copper alloys (bronze/brass)	Unalloyed, electrolytic copper		100	49	N7						
Brass, bronze, red brass			90	45	N8							
Cu alloys, short-chipping			110	55	N9							
High-tensile, Ampco			300	146	N10							
S	Heat-resistant alloys	Fe-based	Annealed	200	99	S1						
			Hardened	280	136	S2						
		Ni- or Co-based	Annealed	250	122	S3						
			Hardened	350	171	S4						
			Cast	320	157	S5						
	Titanium alloys	Pure titanium		200	99	S6						
		α and β alloys, hardened		375	183	S7						
		β alloys		410	203	S8						
Tungsten alloys		300	146	S9								
Molybdenum alloys		300	146	S10								
H	Hardened steel		<63 HRC	-	H1-H4							
O	Plastics, graphite				01-06							

Multi-row thread milling cutters

TC620 Supreme



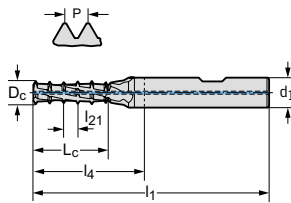
- Universal multi-row thread milling cutter
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool

Shank DIN 6535 HB



Designation	D _N	P mm	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ mm	Z	WB10TJ
TC620-M8-W5D-	M 8	1,25	6,3	2,5	16,3	27	63	8	4	●
TC620-M10-W5D-	M 10	1,5	7,9	3	21	32	68	8	4	●
TC620-M12-W5D-	M 12	1,75	9,6	3,5	24,5	38	78	10	4	●
TC620-M14-W5D-	M 14	2	11,2	4	28	45	90	12	4	●
TC620-M16-W5D-	M 16	2	13,1	4	32	44	92	16	5	●
TC620-M18-W5D-	M 18	2,5	14,5	5	37,5	52	100	16	5	●
TC620-M20-W5D-	M 20	2,5	16,4	5	40	57	105	18	5	●

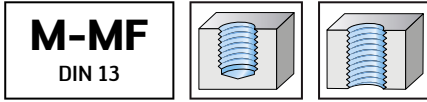
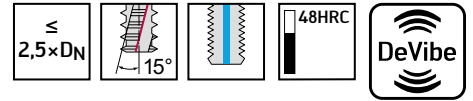
Ordering example for the WB10TJ grade: TC620-M8-W5D-WB10TJ

Multi-row thread milling cutters

TC620 Supreme



- Universal multi-row thread milling cutter
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool	Designation	D _N	P mm	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ mm	Z	WB10TJ
Shank DIN 6535 HB 	TC620-M8-W5E-	M 8	1,25	6,3	3,75	20	32	68	8	4	●
	TC620-M10-W5E-	M 10	1,5	7,9	4,5	27	39	75	8	4	●
	TC620-M12-W5E-	M 12	1,75	9,6	5,25	31,5	45	85	10	4	●
	TC620-M14-W5E-	M 14	2	11,2	6	36	55	100	12	4	●
	TC620-M16-W5E-	M 16	2	13,1	6	42	58	106	16	5	●
	TC620-M18-W5E-	M 18	2,5	14,5	7,5	45	60	108	16	5	●
	TC620-M20-W5E-	M 20	2,5	16,4	7,5	52,5	67	115	18	5	●

Ordering example for the WB10TJ grade: TC620-M8-W5E-WB10TJ

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

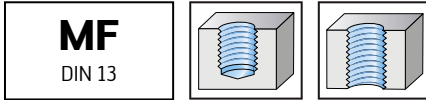
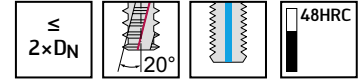
● Other application

Multi-row thread milling cutters

TC620 Supreme



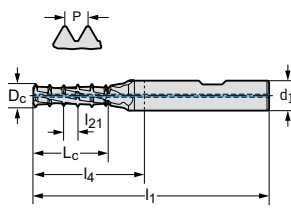
- Universal multi-row thread milling cutter
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool

	Designation	D_N	P mm	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
Shank DIN 6535 HB	TC620-M4X0.5-W1D-	MF 4X0.5	0,5	3,2	1	8	21	57	6	4	●
	TC620-M6X0.75-W1D-	MF 6X0.75	0,75	4,9	1,5	12	21	57	6	4	●



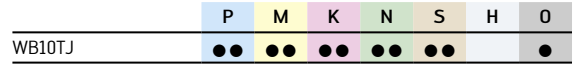
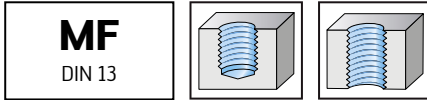
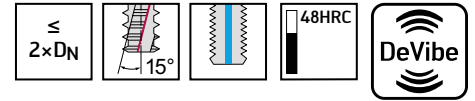
Ordering example for the WB10TJ grade: TC620-M4X0.5-W1D-WB10TJ

Multi-row thread milling cutters

TC620 Supreme

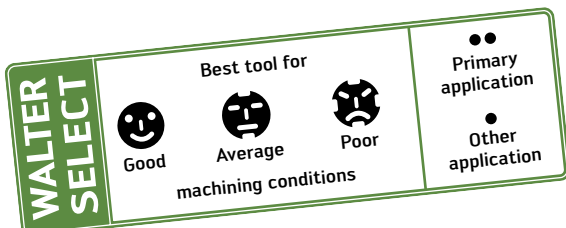


- Universal multi-row thread milling cutter
- For high cutting speeds and high feeds per tooth



Tool		Designation	D _N	P mm	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ mm	Z	WB10TJ
Shank DIN 6535 HB 		TC620-M8X1-W5D-	MF 8X1	1	6,5	2	16	27	63	8	4	
		TC620-M10X1.25W5D-	M10X1.25	1,25	8,2	2,5	20	32	72	10	5	
		TC620-M10X1-W5D-	MF 10X1	1	8,4	2	20	32	72	10	5	
		TC620-M12X1.5-W5D-	MF 12X1.5	1,5	9,8	3	24	38	78	10	5	
		TC620-M12X1.25W5D-	MF 12X1.25	1,25	10	2,5	25	38	78	10	5	
		TC620-M12X1-W5D-	MF 12X1	1	10,3	2	24	38	83	12	6	
		TC620-M14X1.5-W5D-	MF 14X1.5	1,5	11,7	3	28,5	44	89	12	5	
		TC620-M16X1.5-W5D-	MF 16X1.5	1,5	13,6	3	33	44	92	16	6	
		TC620-M18X1.5-W5D-	MF 18X1.5	1,5	15,5	3	36	52	100	16	6	
		TC620-M20X1.5-W5D-	MF 20X1.5	1,5	17,3	3	40,5	57	105	18	7	

Ordering example for the WB10TJ grade: TC620-M8X1-W5D-WB10TJ

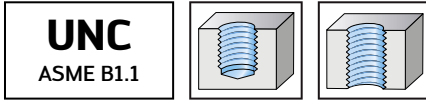
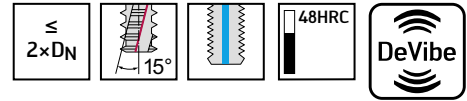


Multi-row thread milling cutters

TC620 Supreme



- Universal multi-row thread milling cutter
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool	Designation	D _N	P Threads								Z	WB10TJ
			per inch	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ mm			
Shank DIN 6535 HB 	TC620-UNC5/16-W5D-	UNC 5/16-18	18	6,1	2,82	16,9	27	63	8	4		
	TC620-UNC3/8-W5D-	UNC 3/8-16	16	7,4	3,18	19,1	32	68	8	4		
	TC620-UNC1/2-W5D-	UNC 1/2-13	13	10,1	3,91	25,4	38	83	12	4		
	TC620-UNC5/8-W5D-	UNC 5/8-11	11	12,7	4,62	32,3	52	100	16	4		
	TC620-UNC3/4-W5D-	UNC 3/4-10	10	15,5	5,08	38,1	52	100	16	5		

Ordering example for the WB10TJ grade: TC620-UNC5/16-W5D-WB10TJ

Multi-row thread milling cutters

TC620 Supreme

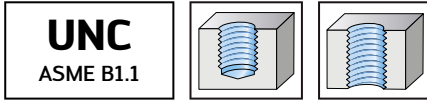


- Universal multi-row thread milling cutter
- For high cutting speeds and high feeds per tooth

≤
2,5×DN

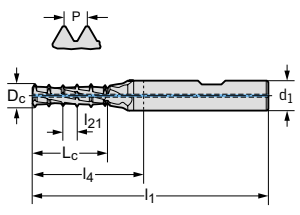
20°

48HRC



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●	●	●

Tool	Designation	D _N	P Threads								Z	WB10TJ
			per inch	D _c mm	l _{z1} mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ mm			
Shank DIN 6535 HB	TC620-UNC8-W1E-	UNC #8-32	32	3,1	2,38	10,3	21	57	6	3	●	
	TC620-UNC10-W1E-	UNC #10-24	24	3,5	3,18	12,7	21	57	6	3	●	
	TC620-UNC1/4-W1E-	UNC 1/4-20	20	4,7	3,81	16,5	29	65	6	3	●	



Ordering example for the WB10TJ grade: TC620-UNC8-W1E-WB10TJ

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

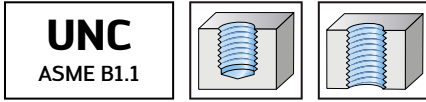
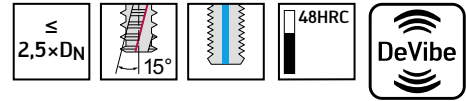
● Other application

Multi-row thread milling cutters

TC620 Supreme



- Universal multi-row thread milling cutter
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool	Designation	D _N	P Threads								Z	WB10TJ
			per inch	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ mm			
Shank DIN 6535 HB 	TC620-UNC5/16-W5E-	UNC 5/16-18	18	6,1	4,23	21,2	34	70	8	4	●	
	TC620-UNC3/8-W5E-	UNC 3/8-16	16	7,4	4,76	23,8	36	72	8	4	●	
	TC620-UNC1/2-W5E-	UNC 1/2-13	13	10,1	5,86	31,3	47	92	12	4	●	
	TC620-UNC5/8-W5E-	UNC 5/8-11	11	12,7	6,93	41,6	60	108	16	4	●	
	TC620-UNC3/4-W5E-	UNC 3/4-10	10	15,5	7,62	48,3	62	110	16	5	●	

Ordering example for the WB10TJ grade: TC620-UNC5/16-W5E-WB10TJ

Multi-row thread milling cutters

TC620 Supreme



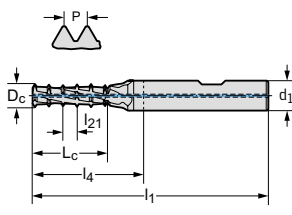
- Universal multi-row thread milling cutter
- For high cutting speeds and high feeds per tooth

$\leq 2 \times D_N$

UNF
ASME B1.1

	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●	●	●

Tool	Designation	D _N	P								WB10TJ
			Threads per inch	D _c mm	l _{z1} mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ mm	Z	
Shank DIN 6535 HB	TC620-UNF10-W1D-	UNF #10-32	32	3,7	1,59	10,3	21	57	6	3	
	TC620-UNF1/4-W1D-	UNF 1/4-28	28	5,1	1,81	12,7	21	57	6	4	



Ordering example for the WB10TJ grade: TC620-UNF10-W1D-WB10TJ

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

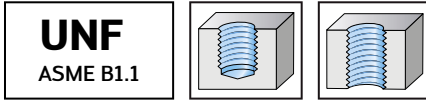
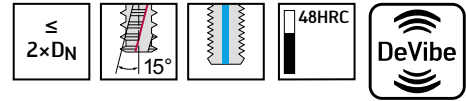
● Other application

Multi-row thread milling cutters

TC620 Supreme



- Universal multi-row thread milling cutter
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

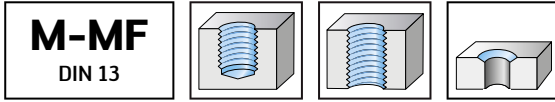
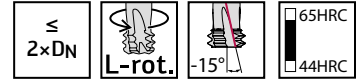
Tool	Designation	D _N	P		D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ mm	Z	WB10TJ
			Threads per inch	mm								
Shank DIN 6535 HB 	TC620-UNF5/16-W5D-	UNF 5/16-24	24	6,4	2,12	15,9	27	63	8	4		
	TC620-UNF3/8-W5D-	UNF 3/8-24	24	7,9	2,12	19,1	31	67	8	5		
	TC620-UNF7/16-W5D-	UNF 7/16-20	20	9,2	2,54	22,9	32	72	10	5		
	TC620-UNF1/2-W5D-	UNF 1/2-20	20	10,7	2,54	25,4	38	83	12	5		
	TC620-UNF9/16-W5D-	UNF 9/16-18	18	12	2,82	29,6	45	90	12	5		
	TC620-UNF5/8-W5D-	UNF 5/8-18	18	13,5	2,82	32,5	48	96	16	6		
	TC620-UNF3/4-W5D-	UNF 3/4-16	16	16,4	3,18	38,1	56	104	18	6		

Ordering example for the WB10TJ grade: TC620-UNF5/16-W5D-WB10TJ

Orbital drill/thread mills TC685 Supreme



- Orbital drill/thread mill for hardened materials
- Chamfer, core hole and thread in one operation



P	M	K	N	S	H	O
●	●	●	●	●	●	●

Tool

	Designation	D _N	P mm	D _c mm	L _{c2} mm	l ₃ mm	l ₄ mm	l ₁ mm	d ₁ mm	Z	WB10RC
Shank DIN 6535 HA 	TC685-M3-A0D-	M 3	0,5	2,35	0,55	6,8	14	50	6	4	●
	TC685-M4-A0D-	M 4	0,7	3,1	0,77	9,1	14	50	6	4	●
	TC685-M5-A0D-	M 5	0,8	3,9	0,89	11,2	21	57	6	4	●
Shank DIN 6535 HA 	TC685-M6-A1D-	M 6	1	4,6	1,11	13,5	21	57	6	4	●
	TC685-M8-A1D-	M 8	1,25	6,2	1,39	17,9	27	63	8	4	●
	TC685-M10-A1D-	M 10	1,5	7,8	1,68	22,3	27	63	8	4	●
	TC685-M12-A1D-	M 12	1,75	9	1,96	26,6	32	72	10	4	●
	TC685-M14-A1D-	M 14	2	10,5	2,25	31	38	83	12	4	●
	TC685-M16-A1D-	M 16	2	12,5	2,28	35	44	92	16	4	●

Maximum thread nominal diameter for fine-pitch threads: $D_c \times 1.94$
 Example: TC685-M8../6.2 mm x 1.94 = 12.03 mm/MF 12 x 1.25 possible
 Ordering example for the WB10RC grade: TC685-M3-A0D-WB10RC

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

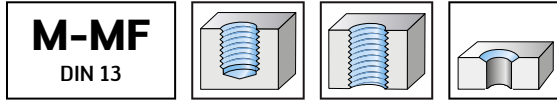
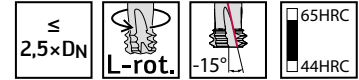
●● Primary application

● Other application

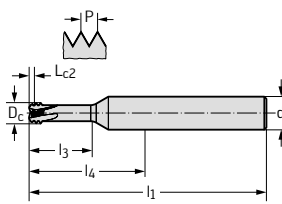
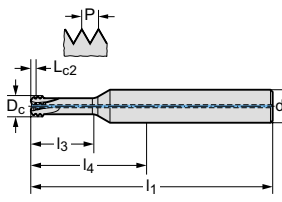
Orbital drill/thread mills TC685 Supreme



- Orbital drill/thread mill for hardened materials
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10RC	●	●	●	●	●	●	●

Tool	Designation	D _N	P mm	D _c mm	L _{c2} mm	l ₃ mm	l ₄ mm	l ₁ mm	d ₁ mm	Z	WB10RC
Shank DIN 6535 HA 	TC685-M3-A0E-	M 3	0,5	2,35	0,55	8,3	14	50	6	4	●
	TC685-M4-A0E-	M 4	0,7	3,1	0,77	11,1	21	57	6	4	●
	TC685-M5-A0E-	M 5	0,8	3,9	0,89	13,7	21	57	6	4	●
Shank DIN 6535 HA 	TC685-M6-A1E-	M 6	1	4,6	1,11	16,5	21	57	6	4	●
	TC685-M8-A1E-	M 8	1,25	6,2	1,39	21,9	27	63	8	4	●
	TC685-M10-A1E-	M 10	1,5	7,8	1,68	27,3	27	63	8	4	●
	TC685-M12-A1E-	M 12	1,75	9	1,96	32,6	32	72	10	4	●
	TC685-M14-A1E-	M 14	2	10,5	2,25	38	38	83	12	4	●
	TC685-M16-A1E-	M 16	2	12,5	2,28	43	44	92	16	4	●

Maximum thread nominal diameter for fine-pitch threads: D_c x 1.94
 Example: TC685-M8../6.2 mm x 1.94 = 12.03 mm/MF 12 x 1.25 possible
 Ordering example for the WB10RC grade: TC685-M3-A0E-WB10RC

Orbital drill/thread mills TC685 Supreme



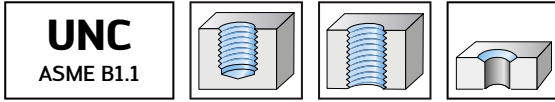
- Orbital drill/thread mill for hardened materials
- Chamfer, core hole and thread in one operation

≤ 2×DN

L-rot.

-15°

65HRC
44HRC



	P	M	K	N	S	H	O
WB10RC	●	●	●	●	●	●	●

Tool	Designation	DN	P Threads								WB10RC
			per inch	D _c mm	L _{c2} mm	l ₃ mm	l ₄ mm	l ₁ mm	d ₁ mm	Z	
Shank DIN 6535 HA 	TC685-UNC10-A0D-	UNC #10-24	24	3,55	1,15	11,3	21	57	6	4	●
Shank DIN 6535 HA 	TC685-UNC1/4-A1D-	UNC 1/4-20	20	4,75	1,39	14,7	21	57	6	4	●
	TC685-UNC5/16-A1D-	UNC 5/16-18	18	6,05	1,56	18	27	63	8	4	●
	TC685-UNC3/8-A1D-	UNC 3/8-16	16	7,3	1,76	21,5	27	63	8	4	●
	TC685-UNC1/2-A1D-	UNC 1/2-13	13	9,3	2,18	28,4	32	72	10	4	●
	TC685-UNC5/8-A1D-	UNC 5/8-11	11	11,6	2,59	35,3	38	83	12	4	●
	TC685-UNC3/4-A1D-	UNC 3/4-10	10	13,9	2,87	42	45	93	16	4	●

Ordering example for the WB10RC grade: TC685-UNC10-A0D-WB10RC

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

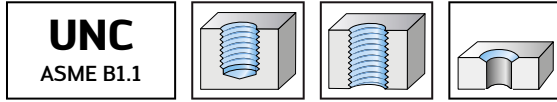
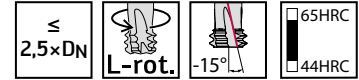
●● Primary application

● Other application

Orbital drill/thread mills TC685 Supreme



- Orbital drill/thread mill for hardened materials
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10RC	●	●	●	●	●	●	●

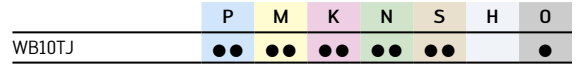
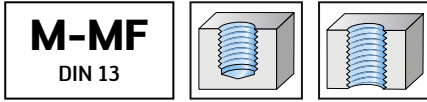
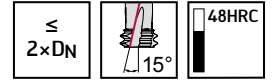
Tool	Designation	D _N	P Threads								Z	WB10RC
			per inch	D _c mm	L _{c2} mm	l ₃ mm	l ₄ mm	l ₁ mm	d ₁ mm			
Shank DIN 6535 HA	TC685-UNC10-A0E-	UNC #10-24	24	3,55	1,15	13,7	21	57	6	4	●	
	TC685-UNC1/4-A1E-	UNC 1/4-20	20	4,75	1,39	17,8	21	57	6	4	●	
	TC685-UNC5/16-A1E-	UNC 5/16-18	18	6,05	1,56	22	27	63	8	4	●	
	TC685-UNC3/8-A1E-	UNC 3/8-16	16	7,3	1,76	26,2	27	63	8	4	●	
	TC685-UNC1/2-A1E-	UNC 1/2-13	13	9,3	2,18	34,7	38	78	10	4	●	
	TC685-UNC5/8-A1E-	UNC 5/8-11	11	11,6	2,59	43,2	55	100	12	4	●	
	TC685-UNC3/4-A1E-	UNC 3/4-10	10	13,9	2,87	51,5	68	116	16	4	●	

Ordering example for the WB10RC grade: TC685-UNC10-A0E-WB10RC

Solid carbide orbital thread milling cutters TC630 Supreme



– Universal orbital thread milling cutter

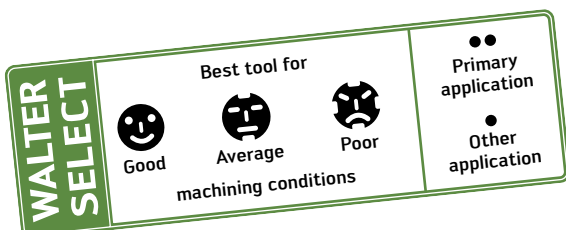


Tool		Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
Shank DIN 6535 HA		TC630-M1.2-A0D-	M 1.2	0,25	0,9	0,25	2,53	0,57	38	10	3	4	☼
		TC630-M1.4-A0D-	M 1.4	0,3	1,05	0,3	2,95	0,66	38	10	3	4	☼
		TC630-M1.6-A0D-	M 1.6	0,35	1,2	0,7	3,73	0,75	38	10	3	4	☼
		TC630-M1.8-A0D-	M 1.8	0,35	1,35	0,7	3,78	0,9	38	10	3	4	☼
		TC630-M2-A0D-	M 2	0,4	1,55	1,2	4,6	1,04	57	21	6	4	☼
		TC630-M2.2-A0D-	M 2.2	0,45	1,65	1,35	4,63	1,08	57	21	6	4	☼
		TC630-M2.5-A0D-	M 2.5	0,45	1,95	1,35	5,68	1,37	57	21	6	4	☼
		TC630-M3-A0D-	M 3	0,5	2,3	1,5	6,75	1,66	57	21	6	4	☼
		TC630-M3.5-A0D-	M 3.5	0,6	2,7	1,8	7,3	1,94	57	21	6	4	☼
		TC630-M4-A0D-	M 4	0,7	3,1	2,1	9,05	2,21	57	21	6	4	☼
		TC630-M4.5-A0D-	M 4.5	0,75	3,5	2,25	9,38	2,55	57	21	6	4	☼
		TC630-M5-A0D-	M 5	0,8	4	2,4	11,2	2,99	57	21	6	4	☼
		TC630-M6-A0D-	M 6	1	4,8	3	13,5	3,54	57	21	6	4	☼
		TC630-M8-A0D-	M 8	1,25	6,4	3,75	17,9	4,82	63	27	8	4	☼
		TC630-M10-A0D-	M 10	1,5	8,2	4,5	22,3	6,31	72	32	10	5	☼
		TC630-M12-A0D-	M 12	1,75	9,75	5,25	26,7	7,55	72	32	10	5	☼

Ordering example for the WB10TJ grade: TC630-M1.2-A0D-WB10TJ

Tool		Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
Shank DIN 6535 HA		TC630-M5-A1D-	M 5	0,8	4	2,4	11,2	2,99	57	21	6	4	☼
		TC630-M6-A1D-	M 6	1	4,8	3	13,5	3,54	57	21	6	4	☼
		TC630-M8-A1D-	M 8	1,25	6,4	3,75	17,9	4,82	63	27	8	4	☼
		TC630-M10-A1D-	M 10	1,5	8,2	4,5	22,3	6,31	72	32	10	5	☼
		TC630-M12-A1D-	M 12	1,75	9,75	5,25	26,7	7,55	72	32	10	5	☼

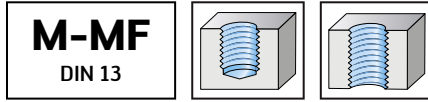
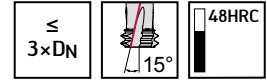
Ordering example for the WB10TJ grade: TC630-M5-A1D-WB10TJ



Solid carbide orbital thread milling cutters TC630 Supreme



– Universal orbital thread milling cutter



Tool		Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
Shank DIN 6535 HA		TC630-M1.2-A0F-	M 1.2	0,25	0,9	0,25	3,73	0,57	38	10	3	4	☞
		TC630-M1.4-A0F-	M 1.4	0,3	1,05	0,3	4,35	0,66	38	10	3	4	☞
		TC630-M1.6-A0F-	M 1.6	0,35	1,2	0,7	5,33	0,75	38	10	3	4	☞
		TC630-M1.8-A0F-	M 1.8	0,35	1,35	0,7	5,58	0,9	38	10	3	4	☞
		TC630-M2-A0F-	M 2	0,4	1,55	1,2	6,6	1,04	57	21	6	4	☞
		TC630-M2.2-A0F-	M 2.2	0,45	1,65	1,35	6,83	1,08	57	21	6	4	☞
		TC630-M2.5-A0F-	M 2.5	0,45	1,95	1,35	8,18	1,37	57	21	6	4	☞
		TC630-M3-A0F-	M 3	0,5	2,3	1,5	9,75	1,66	57	21	6	4	☞
		TC630-M3.5-A0F-	M 3.5	0,6	2,7	1,8	10,8	1,94	57	21	6	4	☞
		TC630-M4-A0F-	M 4	0,7	3,1	2,1	13,05	2,21	57	21	6	4	☞
		TC630-M4.5-A0F-	M 4.5	0,75	3,5	2,25	13,88	2,55	57	21	6	4	☞
		TC630-M5-A0F-	M 5	0,8	4	2,4	16,2	2,99	57	21	6	4	☞
		TC630-M6-A0F-	M 6	1	4,8	3	19,5	3,54	57	22	6	4	☞
		TC630-M8-A0F-	M 8	1,25	6,4	3,75	25,88	4,82	63	29	8	4	☞

Ordering example for the WB10TJ grade: TC630-M1.2-A0F-WB10TJ

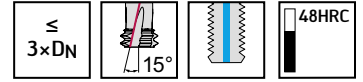
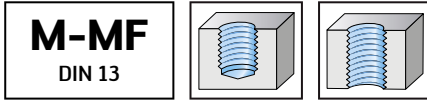
Tool		Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
Shank DIN 6535 HA		TC630-M5-A1F-	M 5	0,8	4	2,4	16,2	2,99	57	21	6	4	☞
		TC630-M6-A1F-	M 6	1	4,8	3	19,5	3,54	57	22	6	4	☞
		TC630-M8-A1F-	M 8	1,25	6,4	3,75	25,88	4,82	63	29	8	4	☞

Ordering example for the WB10TJ grade: TC630-M5-A1F-WB10TJ

Solid carbide orbital thread milling cutters TC630 Supreme



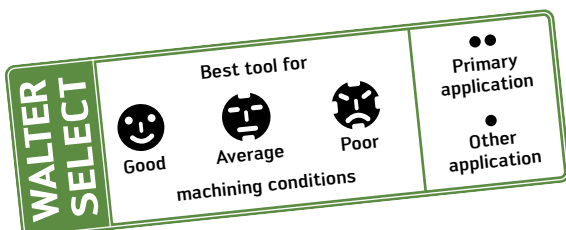
– Universal orbital thread milling cutter



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool		Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
Shank DIN 6535 HA 		TC630-M8-A5F-	M 8	1,25	6,4	3,75	25,88	4,82	63	29	8	4	●
		TC630-M10-A5F-	M 10	1,5	8,2	4,5	30,75	6,31	72	34	10	5	●
		TC630-M12-A5F-	M 12	1,75	9,75	5,25	36,88	7,55	80	40	10	5	●
		TC630-M14-A5F-	M 14	2	11,4	6	43	8,88	92	47	12	5	●
		TC630-M16-A5F-	M 16	2	13,3	6	49	10,76	102	54	16	6	●
		TC630-M18-A5F-	M 18	2,5	14,75	7,5	55,25	11,6	108	60	16	6	●

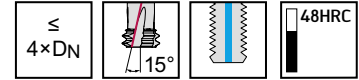
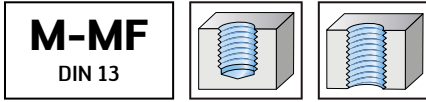
Ordering example for the WB10TJ grade: TC630-M8-A5F-WB10TJ



Solid carbide orbital thread milling cutters TC630 Supreme



– Universal orbital thread milling cutter

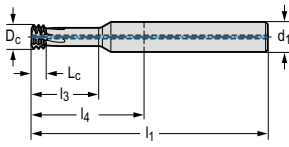


	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool

Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	d_2 mm	l_1 mm	l_4 mm	d_1 h8 mm	Z	WB10TJ
TC630-M8-A5H-	M 8	1,25	6,4	3,75	32,63	4,82	72	36	8	4	●
TC630-M10-A5H-	M 10	1,5	8,2	4,5	40,75	6,31	85	45	10	5	●
TC630-M12-A5H-	M 12	1,75	9,75	5,25	48,88	7,55	92	52	10	5	●
TC630-M16-A5H-	M 16	2	13,3	6	65	10,76	115	70	16	6	●

Shank DIN 6535 HA

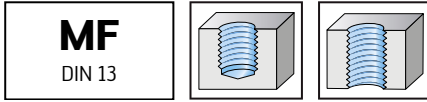
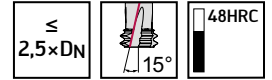


Ordering example for the WB10TJ grade: TC630-M8-A5H-WB10TJ

Solid carbide orbital thread milling cutters TC630 Supreme



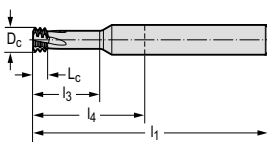
– Universal orbital thread milling cutter



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool		Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	d_2 mm	l_1 mm	l_4 mm	d_1 h8 mm	Z	WB10TJ
Shank DIN 6535 HA		TC630-M5X0.5-A0E-	M5X0.5	0,5	4,3	1,5	12,75	3,63	57	21	6	4	●
		TC630-M6X0.75-A0E-	M 6X0.75	0,75	5	2,25	15,38	4,03	57	21	6	4	●
		TC630-M10X1.25A0E-	M 10X1.2	1,25	8,35	3,75	25,63	6,75	72	32	10	5	●
		TC630-M10X1-A0E-	M 10X1	1	8,55	3	25,5	7,24	72	32	10	5	●
		TC630-M14X1.5-A0E-	M 14X1.5	1,5	11,9	4,5	35,75	9,96	83	38	12	5	●
		TC630-M14X1-A0E-	M 14X1	1	12	3	35,5	10,65	83	38	12	5	●

Ordering example for the WB10TJ grade: TC630-M5X0.5-A0E-WB10TJ



WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

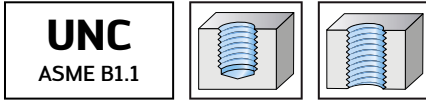
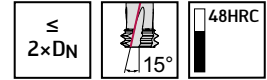
●● Primary application

● Other application

Solid carbide orbital thread milling cutters TC630 Supreme



– Universal orbital thread milling cutter



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool	Designation	D _N	Threads										WB10TJ
			per inch	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z		
Shank DIN 6535 HA	TC630-UNC1-A0D-	UNC #1-64	64	1,4	0,79	3,91	0,89	38	10	3	4	●	
	TC630-UNC2-A0D-	UNC #2-56	56	1,6	1,36	4,59	1,02	57	21	6	4		
	TC630-UNC4-A0D-	UNC #4-40	40	2,1	1,91	6,7	1,31	57	21	6	4		
	TC630-UNC6-A0D-	UNC #6-32	32	2,6	2,38	8,3	1,61	57	21	6	4		
	TC630-UNC8-A0D-	UNC #8-32	32	3,25	2,38	8,73	2,25	57	21	6	4		
	TC630-UNC10-A0D-	UNC #10-24	24	3,55	3,18	11,3	2,24	57	21	6	4		

Ordering example for the WB10TJ grade: TC630-UNC1-A0D-WB10TJ

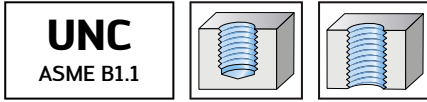
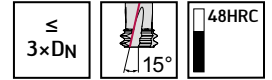
Tool	Designation	D _N	Threads										WB10TJ
			per inch	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z		
Shank DIN 6535 HA	TC630-UNC1/4-A1D-	UNC 1/4-20	20	4,85	3,81	14,7	3,27	57	21	6	4	●	
	TC630-UNC5/16-A1D-	UNC 5/16-18	18	6,2	4,23	18,1	4,44	63	27	8	4		

Ordering example for the WB10TJ grade: TC630-UNC1/4-A1D-WB10TJ

Solid carbide orbital thread milling cutters TC630 Supreme



– Universal orbital thread milling cutter



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool	Designation	D _N	Threads per inch	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
<p>Shank DIN 6535 HA</p>	TC630-UNC1-A0F-	UNC #1-64	64	1,4	0,79	5,76	0,89	38	10	3	4	●
	TC630-UNC2-A0F-	UNC #2-56	56	1,6	1,36	7,25	1,02	57	21	6	4	●
	TC630-UNC3-A0F-	UNC #3-48	48	1,85	1,59	7,81	1,18	57	21	6	4	●
	TC630-UNC4-A0F-	UNC #4-40	40	2,1	1,91	9,5	1,31	57	21	6	4	●
	TC630-UNC6-A0F-	UNC #6-32	32	2,6	2,38	11,75	1,61	57	21	6	4	●
	TC630-UNC8-A0F-	UNC #8-32	32	3,25	2,38	13,7	2,25	57	21	6	4	●
	TC630-UNC10-A0F-	UNC #10-24	24	3,55	3,18	16,1	2,24	57	21	6	4	●
	TC630-UNC1/4-A0F-	UNC 1/4-20	20	4,85	3,81	21	3,27	57	24	6	4	●
	TC630-UNC5/16-A0F-	UNC 5/16-18	18	6,2	4,23	25,95	4,44	63	29	8	4	●

Ordering example for the WB10TJ grade: TC630-UNC1-A0F-WB10TJ

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

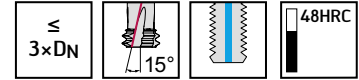
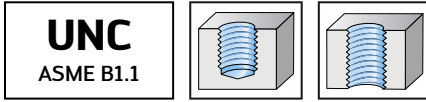
●● Primary application

● Other application

Solid carbide orbital thread milling cutters TC630 Supreme



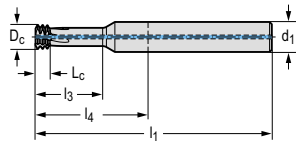
– Universal orbital thread milling cutter



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool	Designation	D_N	Threads per inch	Threads								Z	WB10TJ
				D_c mm	L_c mm	l_3 mm	d_2 mm	l_1 mm	l_4 mm	d_1 h6 mm			
Shank DIN 6535 HA	TC630-UNC5/16-A5F-	UNC 5/16-18	18	6,2	4,23	25,95	4,44	63	29	8	4	●	
	TC630-UNC3/8-A5F-	UNC 3/8-16	16	7,55	4,76	29,37	5,56	68	32	8	5	●	
	TC630-UNC1/2-A5F-	UNC 1/2-13	13	10,25	5,86	39,08	7,8	89	44	12	5	●	
	TC630-UNC5/8-A5F-	UNC 5/8-11	11	12,9	6,93	48,78	10	103	55	16	5	●	
	TC630-UNC3/4-A5F-	UNC 3/4-10	10	15,7	7,62	58,42	12,5	110	62	16	6	●	

Ordering example for the WB10TJ grade: TC630-UNC5/16-A5F-WB10TJ



Solid carbide orbital thread milling cutters TC630 Supreme

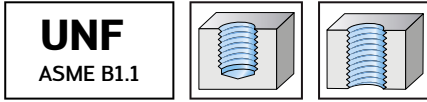


– Universal orbital thread milling cutter

≤
2×DN

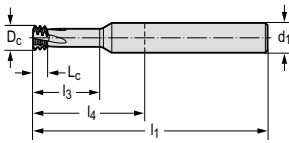
15°

48HRC



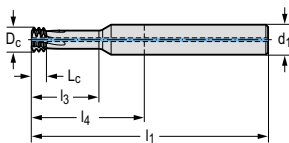
	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●	●	●

Tool	Designation	D _N	Threads										WB10TJ
			per inch	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z		
Shank DIN 6535 HA	TC630-UNF10-A0D-	UNF #10-32	32	3,85	2,38	10,9	2,84	57	21	6	4	●	



Ordering example for the WB10TJ grade: TC630-UNF10-A0D-WB10TJ

Tool	Designation	D _N	Threads										WB10TJ
			per inch	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z		
Shank DIN 6535 HA	TC630-UNF1/4-A1D-	UNF 1/4-28	28	5,25	2,72	14,1	4,1	57	21	6	4	●	
	TC630-UNF5/16-A1D-	UNF 5/16-24	24	6,55	3,18	17,5	5,2	63	27	8	4	●	
	TC630-UNF3/8-A1D-	UNF 3/8-24	24	8	3,18	20,7	6,63	63	27	8	5	●	



Ordering example for the WB10TJ grade: TC630-UNF1/4-A1D-WB10TJ

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

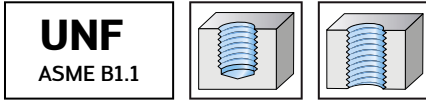
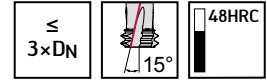
●● Primary application

● Other application

Solid carbide orbital thread milling cutters TC630 Supreme



– Universal orbital thread milling cutter



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●	●	●

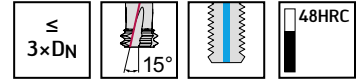
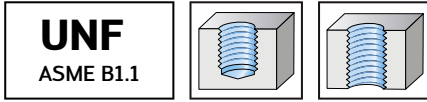
Tool	Designation	D _N	Threads per inch	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
Shank DIN 6535 HA 	TC630-UNF0-A0F-	UNF #0-80	80	1,15	0,32	4,74	0,74	38	10	3	4	
	TC630-UNF1-A0F-	UNF #1-72	72	1,4	0,71	5,74	0,94	38	10	3	4	
	TC630-UNF5-A0F-	UNF #5-44	44	2,45	1,73	9,82	1,72	57	21	6	4	
	TC630-UNF6-A0F-	UNF #6-40	40	2,75	1,91	11,5	1,95	57	21	6	4	
	TC630-UNF8-A0F-	UNF #8-36	36	3,25	2,12	12,85	2,35	57	21	6	4	
	TC630-UNF10-A0F-	UNF #10-32	32	3,85	2,38	15,7	2,84	57	21	6	4	
	TC630-UNF1/4-A0F-	UNF 1/4-28	28	5,25	2,72	20,45	4,1	57	22	6	4	
	TC630-UNF5/16-A0F-	UNF 5/16-24	24	6,55	3,18	25,4	5,2	63	28	8	4	

Ordering example for the WB10TJ grade: TC630-UNF0-A0F-WB10TJ

Solid carbide orbital thread milling cutters TC630 Supreme



- Universal orbital thread milling cutter



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool	Designation	D_N	Threads per inch	D_c mm	L_c mm	l_3 mm	d_2 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
	TC630-UNF7/16-A5F-	UNF 7/16-20	20	9,4	3,81	33,98	7,77	77	37	10	5	●
	TC630-UNF9/16-A5F-	UNF 9/16-18	18	12	4,23	43,57	10,17	91	46	12	5	●
	TC630-UNF3/4-A5F-	UNF 3/4-16	16	16,6	4,76	57,95	14,51	110	62	18	6	●
Shank DIN 6535 HA												

Ordering example for the WB10TJ grade: TC630-UNF7/16-A5F-WB10TJ

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

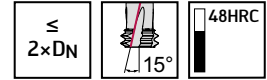
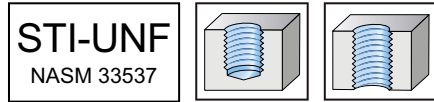
●● Primary application

● Other application

Solid carbide orbital thread milling cutters TC630 Supreme



– Universal orbital thread milling cutter



	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Tool	Designation	D _N	Threads per inch	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10RA
	TC630-SUNF10-A0D-	STIUNF #10-32	32	4,85	2,38	12,12	3,83	57	21	6	4	●●
	TC630-SUNF1/4-A0D-	STIUNF 1/4-28	28	6,3	2,72	15,52	5,13	63	27	8	4	●●
	TC630-SUNF5/16A0D-	STIUNF 5/16-24	24	7,85	3,17	19,16	6,48	63	27	8	5	●●
	TC630-SUNF3/8-A0D-	STIUNF 3/8-24	24	9,35	3,17	22,33	7,97	72	32	10	5	●●

Ordering example for the WB10RA grade: TC630-SUNF10-A0D-WB10RA

WALTER SELECT

Best tool for

Good

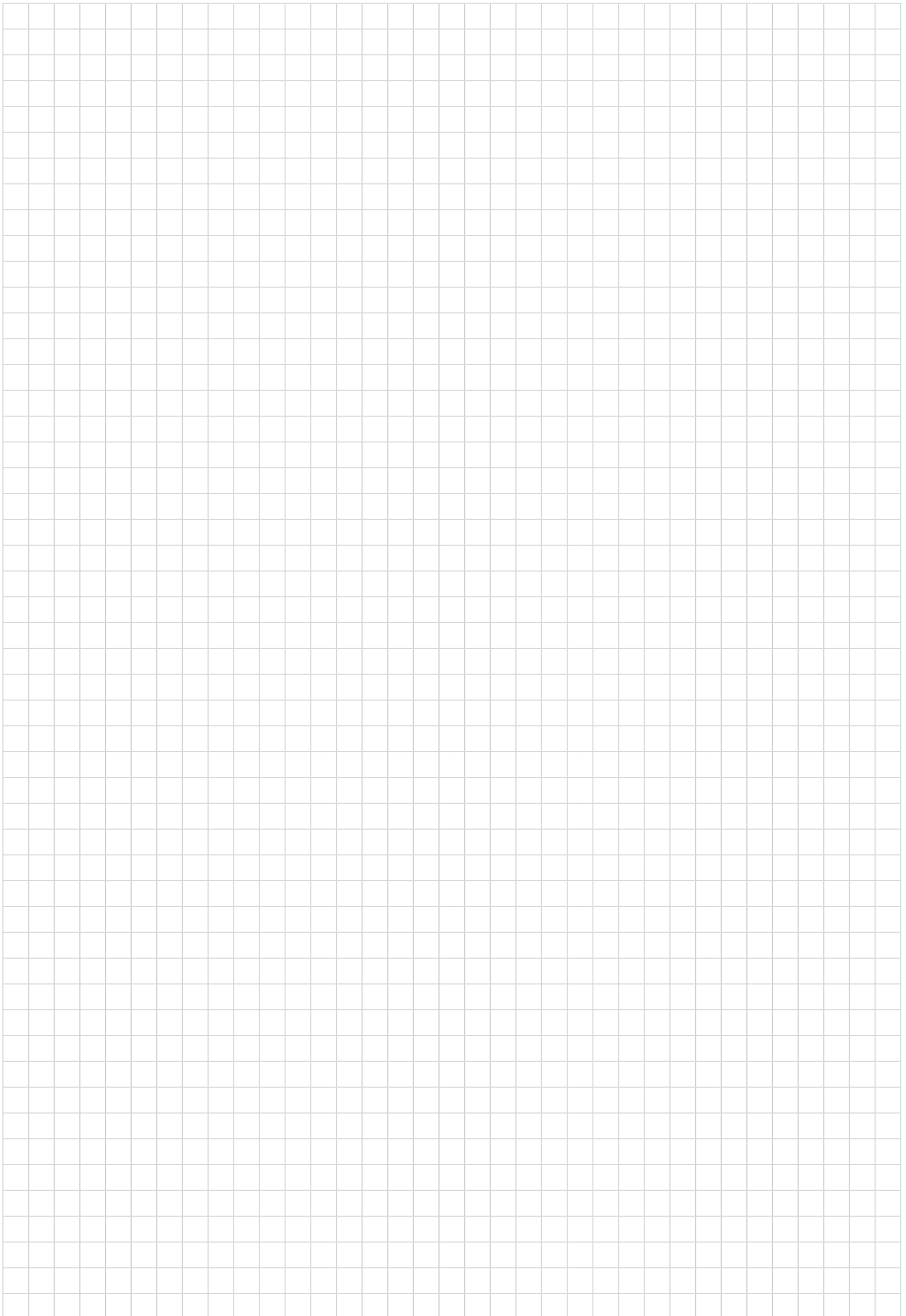
Average

Poor

machining conditions

●● Primary application

● Other application

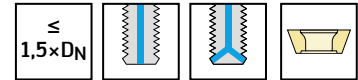
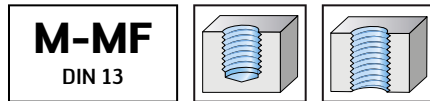


Indexable insert thread milling cutters

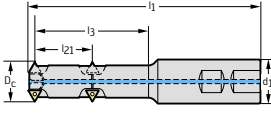
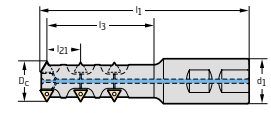
T2710





- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information


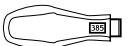

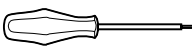


	P	M	K	N	S	H	O
T2710	●	●	●	●	●	●	●

Tool	Designation	D _N	P _{max} mm	D _c mm	l ₂₁ mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	No. of indexable inserts	Type
Shank DIN 1835 B 	T2710-17-W16-3-06-2-15	M 20	2,50	16,5	15	33	88	16	3	6	
Shank DIN 1835 B 	T2710-19-W20-3-06-3-12	M 24	3,00	19	12	39,1	98	20	3	9	
	T2710-24-W25-3-09-3-14	M 30	3,50	24	14	49,5	117	25	3	9	
	T2710-29-W32-3-09-3-16	M 36	4,00	29	16	58,5	131	32	3	9	
	T2710-35-W32-3-11-3-18	M 42	4,50	35	18	68,5	139	32	3	9	
	T2710-40-W40-3-14-3-20	M 48	5,00	40	20	79	163	40	3	9	
	T2710-44-W40-3-14-3-22	M 56	5,50	44	22	91	174	40	3	9	
	T2710-52-W40-4-14-3-24	M 64	6,00	52	24	103	185	40	4	12	

Variable coolant supply: Remove the front axial coolant screw for blind-hole machining
Bodies and assembly parts are included in the scope of delivery

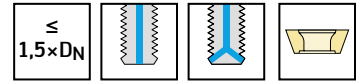
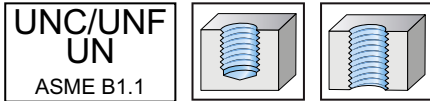
Assembly parts	D _c [mm]	16,5–19	24–29	35	40–52
	Clamping screw for indexable insert	FS2147 (Torx 6IP)	FS2111 (Torx 7IP)	FS2061 (Torx 7IP)	FS1457 (Torx 9IP)
	Tightening torque	0,6 Nm	0,9 Nm	0,9 Nm	2,0 Nm
	Coolant screw	FS2147 (Torx 6IP)	FS2111 (Torx 7IP)	FS2061 (Torx 7IP)	FS1457 (Torx 9IP)
	Tightening torque	0,6 Nm	0,9 Nm	0,9 Nm	2,0 Nm

Accessories	D _c [mm]	16,5–19	24–35	40–52
	Torque screwdriver, analogue	FS2001	FS2001	FS2003
	Tightening torque	0,4–1,2 Nm	0,4–1,2 Nm	1,5–5,0 Nm
	Torque screwdriver, digital			FS2248
	Tightening torque			1,0–6,0 Nm
	Interchangeable blade	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2013 (Torx 9IP)
	Screwdriver	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1484 (Torx 9IP)

Indexable insert thread milling cutters T2710



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2710	●	●	●	●	●	●	●

Tool	Designation	D_N	P_{max} TPI	D_c mm	l_{21} mm	l_3 mm	l_1 mm	d_1 mm	Z	No. of indexable inserts	Type
Shank DIN 1835 B 	T2710-18-W16-3-06-2-11.3	UNC 7/8-9	9	18	11,29	36,5	92	16	3	6	
Shank DIN 1835 B 	T2710-20-W20-3-06-3-12.7	UNC 1-8	8	20	12,7	41,1	100	20	3	9	
	T2710-26-W25-3-09-3-12.7	UN 1.1/4-8	8	26	12,7	52,2	119	25	3	9	
	T2710-31-W32-3-09-3-19.1	UN 1.1/2-8	8	31	19,05	63,7	135	32	3	9	
	T2710-43-W40-4-09-3-25.4	UN 2-6	6	43	25,4	80,7	160	40	4	12	

Variable coolant supply: Remove the front axial coolant screw for blind-hole machining
Bodies and assembly parts are included in the scope of delivery

Assembly parts	D_c [mm]	18-20	26-43
		Clamping screw for indexable insert Tightening torque	FS2147 (Torx 6IP) 0,6 Nm
	Coolant screw Tightening torque	FS2147 (Torx 6IP) 0,6 Nm	FS2111 (Torx 7IP) 0,9 Nm

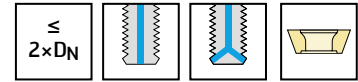
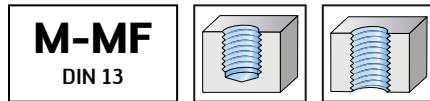
Accessories	D_c [mm]	18-20	26-43
		Torque screwdriver, analogue Tightening torque	FS2001 0,4-1,2 Nm
	Interchangeable blade	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)
	Screwdriver	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)

Indexable insert thread milling cutters

T2711



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2711	●	●	●	●	●	●	●

Tool	Designation	D_N	P_{max} mm	D_c mm	l_{21} mm	l_3 mm	l_1 mm	d_1 mm	Z	No. of indexable inserts	Type
Shank DIN 1835 B 	T2711-17-W16-3-06-2-20	M 20	2,50	16,5	20	43	98	16	3	6	
	T2711-19-W20-3-06-2-24	M 24	3,00	19	24	51	110	20	3	6	
	T2711-24-W25-3-09-2-31.5	M 30	3,50	24	31,5	64,5	132	25	3	6	
	T2711-52-W40-4-14-2-60	M 64	6,00	52	60	135	217	40	4	8	
Shank DIN 1835 B 	T2711-29-W32-3-09-3-24	M 36	4,00	29	24	72,1	149	32	3	9	
	T2711-35-W32-3-11-3-27	M 42	4,50	35	27	89,5	160	32	3	9	
	T2711-40-W40-3-14-3-30	M 48	5,00	40	30	103	187	40	3	9	
	T2711-44-W40-3-14-3-33	M 56	5,50	44	33	119	202	40	3	9	

Variable coolant supply: Remove the front axial coolant screw for blind-hole machining
Bodies and assembly parts are included in the scope of delivery

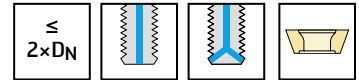
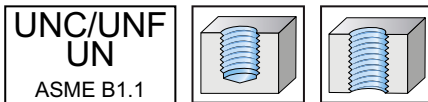
Assembly parts	D_c [mm]	16,5–19	24–29	35	40–52
	Clamping screw for indexable insert	FS2147 (Torx 6IP)	FS2111 (Torx 7IP)	FS2061 (Torx 7IP)	FS1457 (Torx 9IP)
	Tightening torque	0,6 Nm	0,9 Nm	0,9 Nm	2,0 Nm
	Coolant screw	FS2147 (Torx 6IP)	FS2111 (Torx 7IP)	FS2061 (Torx 7IP)	FS1457 (Torx 9IP)
	Tightening torque	0,6 Nm	0,9 Nm	0,9 Nm	2,0 Nm

Accessories	D_c [mm]	16,5–19	24–35	40–52
	Torque screwdriver, analogue	FS2001	FS2001	FS2003
	Tightening torque	0,4–1,2 Nm	0,4–1,2 Nm	1,5–5,0 Nm
	Torque screwdriver, digital			FS2248
	Tightening torque			1,0–6,0 Nm
	Interchangeable blade	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2013 (Torx 9IP)
	Screwdriver	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1484 (Torx 9IP)

Indexable insert thread milling cutters T2711



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2711	●●	●●	●●	●	●●	●	●

Tool	Designation	D_N	P_{max} TPI	D_c mm	l_{z1} mm	l_3 mm	l_1 mm	d_1 mm	Z	No. of indexable inserts	Type
Shank DIN 1835 B 	T2711-18-W16-3-06-2-25.4	UNC 7/8-9	9	18	25,4	47,5	103	16	3	6	
	T2711-20-W20-3-06-2-25.4	UNC 1-8	8	20	25,4	53,9	113	20	3	6	
	T2711-26-W25-3-09-2-32.7	UNC 1.1/4-7	7	26	32,66	68	135	25	3	6	
Shank DIN 1835 B 	T2711-31-W32-3-09-3-25.4	UNC 1.1/2-6	6	31	25,4	80,7	153	32	3	9	

Variable coolant supply: Remove the front axial coolant screw for blind-hole machining
Bodies and assembly parts are included in the scope of delivery

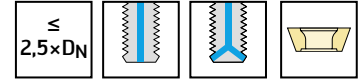
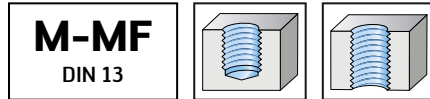
Assembly parts		D_c [mm]	18-20	26-31
	Clamping screw for indexable insert		FS2147 (Torx 6IP)	FS2111 (Torx 7IP)
	Tightening torque		0,6 Nm	0,9 Nm
	Coolant screw		FS2147 (Torx 6IP)	FS2111 (Torx 7IP)
	Tightening torque		0,6 Nm	0,9 Nm

Accessories		D_c [mm]	18-20	26-31
	Torque screwdriver, analogue		FS2001	FS2001
	Tightening torque		0,4-1,2 Nm	0,4-1,2 Nm
	Interchangeable blade		FS2085 (Torx 6IP)	FS2011 (Torx 7IP)
	Screwdriver		FS2086 (Torx 6IP)	FS2088 (Torx 7IP)

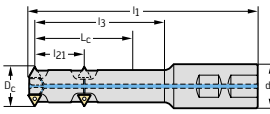
Indexable insert thread milling cutters T2712



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information




	P	M	K	N	S	H	O
T2712	●	●	●	●	●	●	●




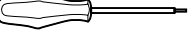
Tool	Designation	D_N	P_{max} mm	D_c mm	l_{21} mm	L_c mm	l_3 mm	l_1 mm	d_1	Z	No. of indexable inserts	Type
Shank DIN 1835 B 	T2712-24-W25-3-09-2-31.5	M 30	3,50	24	31,5	63	79,5	147	25	3	6	
	T2712-29-W32-3-09-2-36	M 36	4,00	29	36	72	94,5	167	32	3	6	
	T2712-35-W32-3-11-2-40.5	M 42	4,50	35	40,5	81	110,5	180	32	3	6	
	T2712-40-W40-3-14-2-50	M 48	5,00	40	50	100	127	211	40	3	6	

Variable coolant supply: Remove the front axial coolant screw for blind-hole machining
Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		24–29	35	40
	Clamping screw for indexable insert	FS2111 (Torx 7IP)	FS2061 (Torx 7IP)	FS1457 (Torx 9IP)
	Tightening torque	0,9 Nm	0,9 Nm	2,0 Nm
	Coolant screw	FS2111 (Torx 7IP)	FS2061 (Torx 7IP)	FS1457 (Torx 9IP)
	Tightening torque	0,9 Nm	0,9 Nm	2,0 Nm

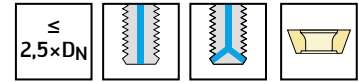
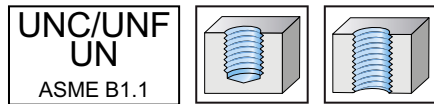
Accessories

D _c [mm]		24–35	40
	Torque screwdriver, analogue	FS2001	FS2003
	Tightening torque	0,4–1,2 Nm	1,5–5,0 Nm
	Torque screwdriver, digital		FS2248
	Tightening torque		1,0–6,0 Nm
	Interchangeable blade	FS2011 (Torx 7IP)	FS2013 (Torx 9IP)
	Screwdriver	FS2088 (Torx 7IP)	FS1484 (Torx 9IP)

Indexable insert thread milling cutters T2712

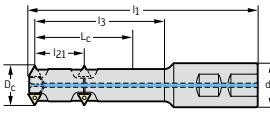


- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information




	P	M	K	N	S	H	O
T2712	●	●	●	●	●	●	●

Tool	Designation	D _N	P _{max} TPI	D _c mm	l ₂₁ mm	L _c mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	No. of indexable inserts	Type
Shank DIN 1835 B	T2712-26-W25-3-09-2-32.7	UNC 1 1/4-7	7	26	32,66	65,32	84	151	25	3	6	
	T2712-31-W32-3-09-2-38.1	UNC 1 1/2-6	6	31	38,1	76,2	99,8	172	32	3	6	



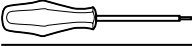


Variable coolant supply: Remove the front axial coolant screw for blind-hole machining
Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	26–31
	Clamping screw for indexable insert	FS2111 (Torx 7IP)
	Tightening torque	0,9 Nm
	Coolant screw	FS2111 (Torx 7IP)
	Tightening torque	0,9 Nm

Accessories

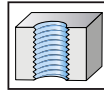
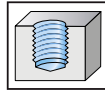
	D _c [mm]	26–31
	Torque screwdriver, analogue	FS2001
	Tightening torque	0,4–1,2 Nm
	Interchangeable blade	FS2011 (Torx 7IP)
	Screwdriver	FS2088 (Torx 7IP)

Indexable insert thread milling cutters

T2712



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



T2712	P	M	K	N	S	H	O
	●	●	●	●	●	●	●



Tool	Designation	D _N [mm]	D _N [inches]	P _{max} mm	P _{max} TPI	D _c mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	No. of indexable inserts	Type
Shank DIN 1835 B 	T2712-13-W16-1-06	M 16	0.75"	2,00	12	13	43	100	16	1	1	
	T2712-17-W16-3-06	M 20	0.87"	2,50	10	16,5	53	108	16	3	3	
	T2712-19-W20-3-06	M 24	1.00"	3,00	8	19	63	123	20	3	3	
	T2712-24-W25-3-09	M 30	1.25"	3,50	7	24	79,5	148	25	3	3	
	T2712-29-W32-3-09	M 36	1.50"	4,00	6	29	94,5	167	32	3	3	
	T2712-35-W32-3-11	M 42	1.75"	4,50	6	35	110,5	181	32	3	3	
	T2712-40-W40-3-14	M 48	2.00"	5,00	5	40	127	211	40	3	3	
	T2712-44-W40-3-14	M 56	2.25"	5,50	4,5	44	147	230	40	3	3	
	T2712-52-W40-4-14	M 64	2.75"	6,00	4	52	167	249	40	4	4	

Variable coolant supply: Remove the front axial coolant screw for blind-hole machining




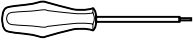
G (BSP) threads are presented on a separate double page.

Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]		13	16,5–19	24–29	35	40–52
	Clamping screw for indexable insert Tightening torque	FS2147 (Torx 6IP) 0,6 Nm	FS2147 (Torx 6IP) 0,6 Nm	FS2111 (Torx 7IP) 0,9 Nm	FS2061 (Torx 7IP) 0,9 Nm	FS1457 (Torx 9IP) 2,0 Nm
	Coolant screw Tightening torque	FS2082 (Torx 6IP)	FS2147 (Torx 6IP) 0,6 Nm	FS2111 (Torx 7IP) 0,9 Nm	FS2061 (Torx 7IP) 0,9 Nm	FS1457 (Torx 9IP) 2,0 Nm

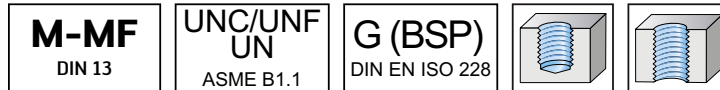
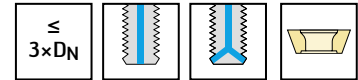
Accessories

D _c [mm]		13–19	24–35	40–52
	Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm
	Torque screwdriver, digital Tightening torque			FS2248 1,0–6,0 Nm
	Interchangeable blade	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2013 (Torx 9IP)
	Screwdriver	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1484 (Torx 9IP)

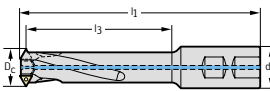
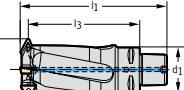
Indexable insert thread milling cutters T2713



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information





T2713	P	M	K	N	S	H	O
	●	●	●	●	●	●	●


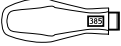

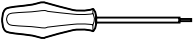
Tool	Designation	D _N [mm]	D _N [inches]	P _{max} mm	P _{max} TPI	D _c mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	No. of indexable inserts	Type
Shank DIN 1835 B 	T2713-13-W16-1-06	M 16	0.75"	2,00	12	13	51	108	16	1	1	
	T2713-17-W16-3-06	M 20	0,87"	2,50	10	16,5	63	118	16	3	3	
	T2713-19-W20-3-06	M 24	1.00"	3,00	8	19	75	135	20	3	3	
	T2713-24-W25-3-09	M 30	1.25"	3,50	7	24	94,5	163	25	3	3	
	T2713-29-W32-3-09	M 36	1.50"	4,00	6	29	112,5	185	32	3	3	
	T2713-35-W32-3-11	M 42	1.75"	4,50	6	35	131,5	202	32	3	3	
	T2713-40-W40-3-14	M 48	2.00"	5,00	5	40	151	235	40	3	3	
	T2713-44-W40-3-14	M 56	2.25"	5,50	4,5	44	175	258	40	3	3	
	T2713-52-W40-4-14	M 64	2.75"	6,00	4	52	199	281	40	4	4	
	Walter Capto™ in acc. with ISO 26623 	T2713-60-C5-4-14	M 72	3.00"	6,00	4	60	115	152	50	4	4
T2713-73-C6-5-14		M 85	3.50"	6,00	4	73	125	170	63	5	5	
T2713-94-C8-5-22		M 125	5.00"	10,00	3	94	140	199	80	5	5	

Variable coolant supply: Remove the front axial coolant for blind-hole machining
G (BSP) threads are presented on a separate double page.
Bodies and assembly parts are included in the scope of delivery

Assembly parts

D _c [mm]	13	16,5–19	24–29	35	40–73	94
 Clamping screw for indexable insert Tightening torque	FS2147 (Torx 6IP) 0,6 Nm	FS2147 (Torx 6IP) 0,6 Nm	FS2111 (Torx 7IP) 0,9 Nm	FS2061 (Torx 7IP) 0,9 Nm	FS1457 (Torx 9IP) 2,0 Nm	FS1495 (Torx 20IP) 5,0 Nm
 Coolant screw Tightening torque	FS2082 (Torx 6IP)	FS2147 (Torx 6IP) 0,6 Nm	FS2111 (Torx 7IP) 0,9 Nm	FS2061 (Torx 7IP) 0,9 Nm	FS1457 (Torx 9IP) 2,0 Nm	FS1495 (Torx 20IP) 5,0 Nm

Accessories

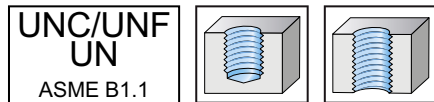
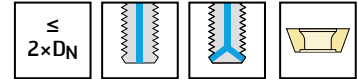
D _c [mm]	13–19	24–35	40–73	94
 Torque screwdriver, analogue Tightening torque	FS2001 0,4–1,2 Nm	FS2001 0,4–1,2 Nm	FS2003 1,5–5,0 Nm	FS2003 1,5–5,0 Nm
 Torque screwdriver, digital Tightening torque			FS2248 1,0–6,0 Nm	
 Interchangeable blade	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)	FS2013 (Torx 9IP)	FS2015 (Torx 20IP)
 Screwdriver	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)	FS1484 (Torx 9IP)	FS1486 (Torx 20IP)

Indexable insert thread milling cutters

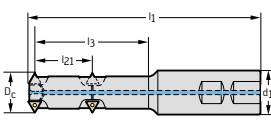
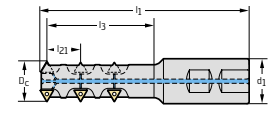
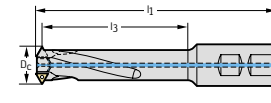
T2711 / T2712



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information




	P	M	K	N	S	H	O
T2711	●	●	●	●	●	●	●
T2712	●	●	●	●	●	●	●



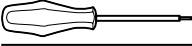
Tool	Designation	D _N	P _{max} TPI	P _{max} mm	D _c inch	l ₂₁ inch	l ₃ inch	l ₁ inch	d ₁ inch	Z	No. of indexable inserts	Type
Weldon inch 	T2711.20-W19-3-06-2-25.4	UNC 1	8		0,787	1,000	2,122	4,461	0,750	3	6	
	T2711.26-W26-3-09-2-32.7	UNC 1.1/4-7	7		1,024	1,286	2,677	5,299	1,000	3	6	
Weldon inch 	T2711.31-W31-3-09-3-25.4	UNC 1.1/2-6	6		1,220	1,000	3,177	5,892	1,250	3	9	
Shank DIN 1835 B 	T2712.20-W19-3-06	UNC 1	8	3,00	0,787		2,618	4,953	0,750	3	3	
	T2712.23-W26-3-09	UNC 1 1/8	7	3,50	0,886		2,992	5,675	1,000	3	3	
	T2712.28-W31-3-09	UNC 1 3/8	6	4,00	1,083		3,622	6,482	1,250	3	3	

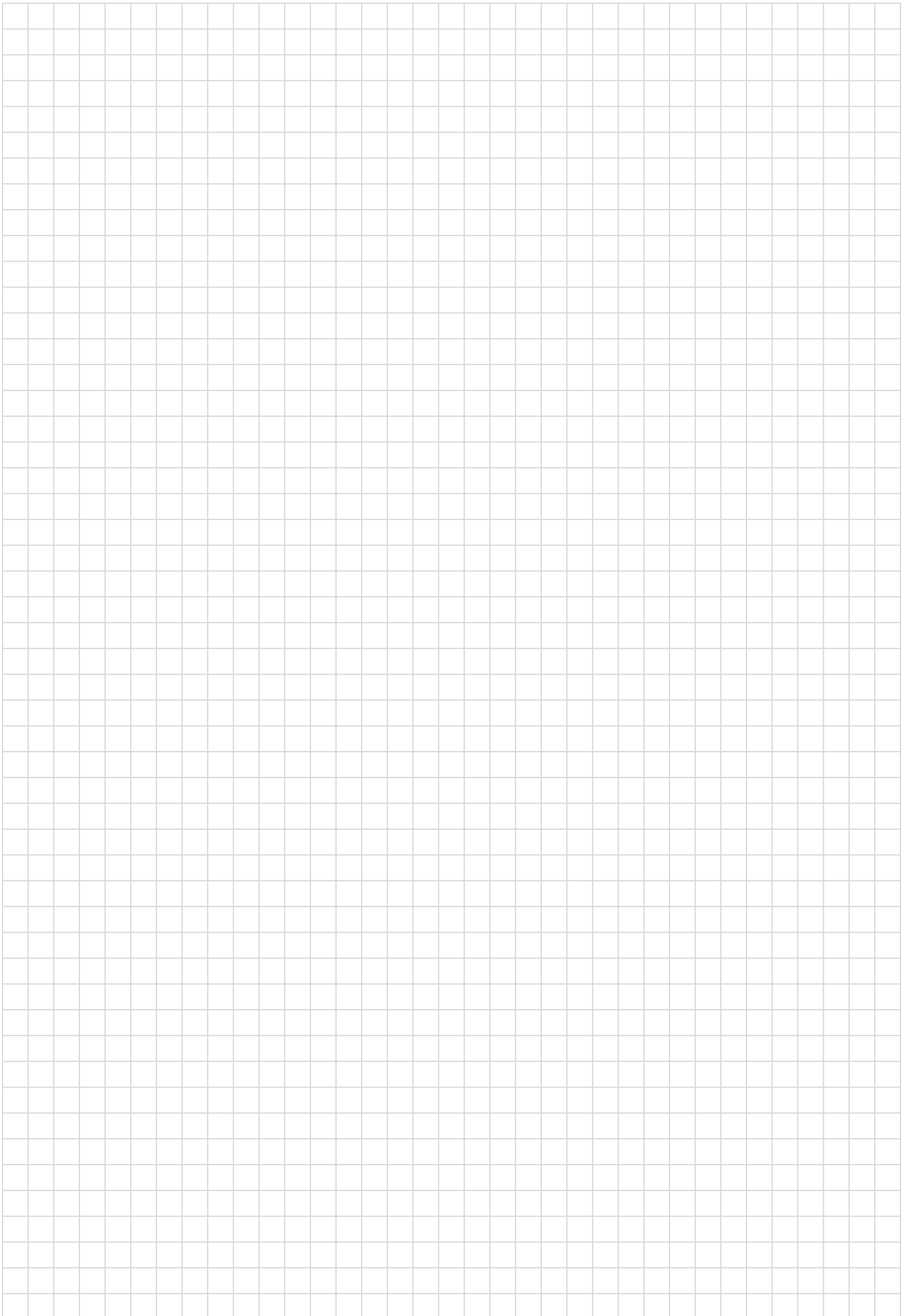
Variable coolant supply: Remove the front axial coolant screw for blind-hole machining
Bodies and assembly parts are included in the scope of delivery

Assembly parts

		0,787	0,886–1,220
	Clamping screw for indexable insert	FS2147 (Torx 6IP)	FS2111 (Torx 7IP)
	Tightening torque	0.6 Nm	0.9 Nm
	Coolant screw	FS2147 (Torx 6IP)	FS2111 (Torx 7IP)
	Tightening torque	0.6 Nm	0.9 Nm

Accessories

		0,787	0,886–1,220
	Torque screwdriver, analogue	FS2002	FS2002
	Tightening torque	0.4–1.2 Nm	0.4–1.2 Nm
	Interchangeable blade	FS2085 (Torx 6IP)	FS2011 (Torx 7IP)
	Screwdriver	FS2086 (Torx 6IP)	FS2088 (Torx 7IP)



How to find and order your standard tools:



Personal – worldwide

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



The Walter General Catalogue

contains the entire standard range of our competence brands Walter, Walter Titex and Walter Prototyp. It is supplemented regularly with the latest Product Innovations catalogues.

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

Walter online catalogue



Tool-specific search

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

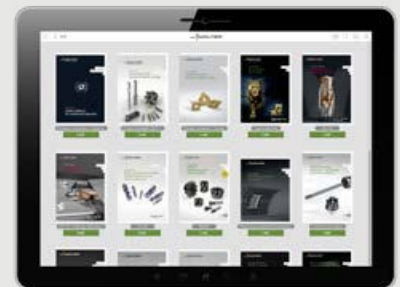
Walter GPS



Application-based search

With Walter GPS, it takes just a few steps for you to find the best machining solution for your component, online and offline – and the solution can be transferred directly to the Walter TOOLSHOP if required! This also applies to Walter Xpress tools for holemaking.

Walter e-Library



Document-based search

The Walter e-Library app provides you with all the information you need on your mobile devices within a matter of seconds: E.g. brochures and catalogues – online and offline, in 17 languages.

Digital ordering methods



TOOLSHOP



EDI B2B

Walter TOOLSHOP and EDI

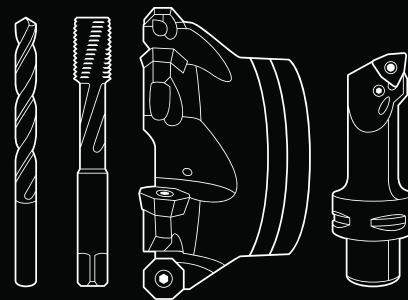
The Walter TOOLSHOP offers customers opportunities to find information and place orders quickly.

EDI (electronic data interchange) also makes it possible to exchange documents (e.g. orders) – even special tools can be ordered.

Walter AG

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

walter-tools.com



Europe

Walter Austria GmbH

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

Walter Benelux N.V./S.A.

Zaventem, Belgique
(B) +32 (02) 7258500
(NL) +31 (0) 900 26585-22
service.benelux@walter-tools.com

Walter (Schweiz) AG

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

Walter CZ s.r.o

Kurim, Czech Republic
+420 (0) 541 423352, service.cz@walter-tools.com

Walter Deutschland GmbH

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

Walter France

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

Walter Hungária Kft.

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

Walter Tools Ibérica S.A.U.

El Prat de Llobregat, España
+34 934 796760, service.iberica@walter-tools.com

Walter Italia s.r.l.

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

Walter Norden AB

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

Walter Polska Sp. z o.o.

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

Walter Tools SRL

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

Walter Tools d.o.o.

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

Walter Slovakia, s.r.o.

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

Walter Kesici Takımlar Sanayi ve Ticaret Ltd. Şti.

Bursa, Türkiye
+90 (0) 224 909 5000 Pbx, service.tr@walter-tools.com

Walter GB Ltd.

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

Asia

Walter Wuxi Co. Ltd.

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

Walter Wuxi Co. Ltd.

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

Walter Tools India Pvt. Ltd.

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

Walter Japan K.K.

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

ワルタージャパン株式会社

名古屋市中村区名駅二丁目 45 番 7 号
+81 (0) 52 533 6135, service.jp@walter-tools.com

Walter Korea Ltd.

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

한국발터(주)

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

Walter Malaysia Sdn. Bhd.

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

Walter AG Singapore Pte. Ltd.

+65 6773 6180, service.sg@walter-tools.com

Walter (Thailand) Co., Ltd.

Bangkok, 10120, Thailand
+66 2 687 0388, service.th@walter-tools.com

America

Walter do Brasil Ltda.

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

Walter Canada

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

Walter Tools S.A. de C.V.

El Marqués, Querétaro, México
+52 (442) 478-3500, service.mx@walter-tools.com

Walter USA, LLC

Greer, SC, USA
+1 800-945-5554, service.us@walter-tools.com



Avenida Ricardo Mella 119
36330- Vigo - Pontevedra
Teléfono: +34 - 986.21.35.35
Mail: ventas@enriel.com
www.enriel.com