

_ INNOVATIONS THAT LEAD THE WAY.

Walter Program and Innovations 2025



How to find and order your tool solution:



Personal – worldwide

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



The Walter Hybrid catalogs and brochures

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

At walter-tools.com, you can access and order your Walter products quickly and conveniently online – via smartphone, tablet or PC.

The benefit for you: Direct access from any device, displayed in an optimised form, at any time.

Walter online catalog



Tool-specific search

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

Walter GPS



Application-based search

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

Walter Innotime®



Component-based search

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

Digital ordering methods



TOOLSHOP



EDI B2B

Walter TOOLSHOP & EDI

The Walter TOOLSHOP offers customers opportunities to find information and place orders quickly.

EDI (electronic data interchange) also makes it possible to exchange documents (e.g. orders) – even special tools can be ordered.

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Technologies at Walter

(((Accure-tec®

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

Drion-tec®

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

Groov-tec™

Groov-tec™ is the latest generation of Walter high-performance cutting tools. These are characterised by maximum stability, which enables high process parameters (feeds/speeds/depth of cut) and leads to maximum toolholder and indexable insert service life. At the same time, the systems maximise process reliability by means of controlled chip breaking.

Krato-tec®

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

Tiger-tec® Gold

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

Tiger-tec® Silver

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

Thread-tec™

Thread-tec™ refers to selected Walter threading tools with high performance and process reliability. Combining the most recent technical developments and proven properties in tool geometries and coatings, Thread-tec™ is a comprehensive product range featuring a variety of lengths and dimensions. This makes the assortment suitable for any application – whether for thread milling, forming, or tapping.

Thrill-tec™

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

Walter BLAXX

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

Walter Xpress

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

Walter Precision XT

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

Walter Boring XT

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

XD Technology

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

Xill-tec®

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

Xtra-tec®

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

Xtra-tec® XT

Xtra-tec® XT is the latest generation of Walter milling tools. As the "Xtended" Xtra-tec® technology, it offers a completely new perspective on productivity and process reliability. It can cover nearly all milling operations in every common material group: More reliable, productive, cost-efficient than ever before – all while compensating for the CO₂ emissions through Walter Green.

X-treme Evo

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

Technologies at Walter (continued)



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



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



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



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



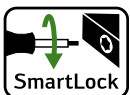
In turning and grooving operations, the Walter precision cooling system provides cooling at the centre of the chip formation. Its dual coolant jets are directed precisely onto the flank and rake faces. In drilling operations, the coolant jets exit close to the cutting edge. This system provides significantly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



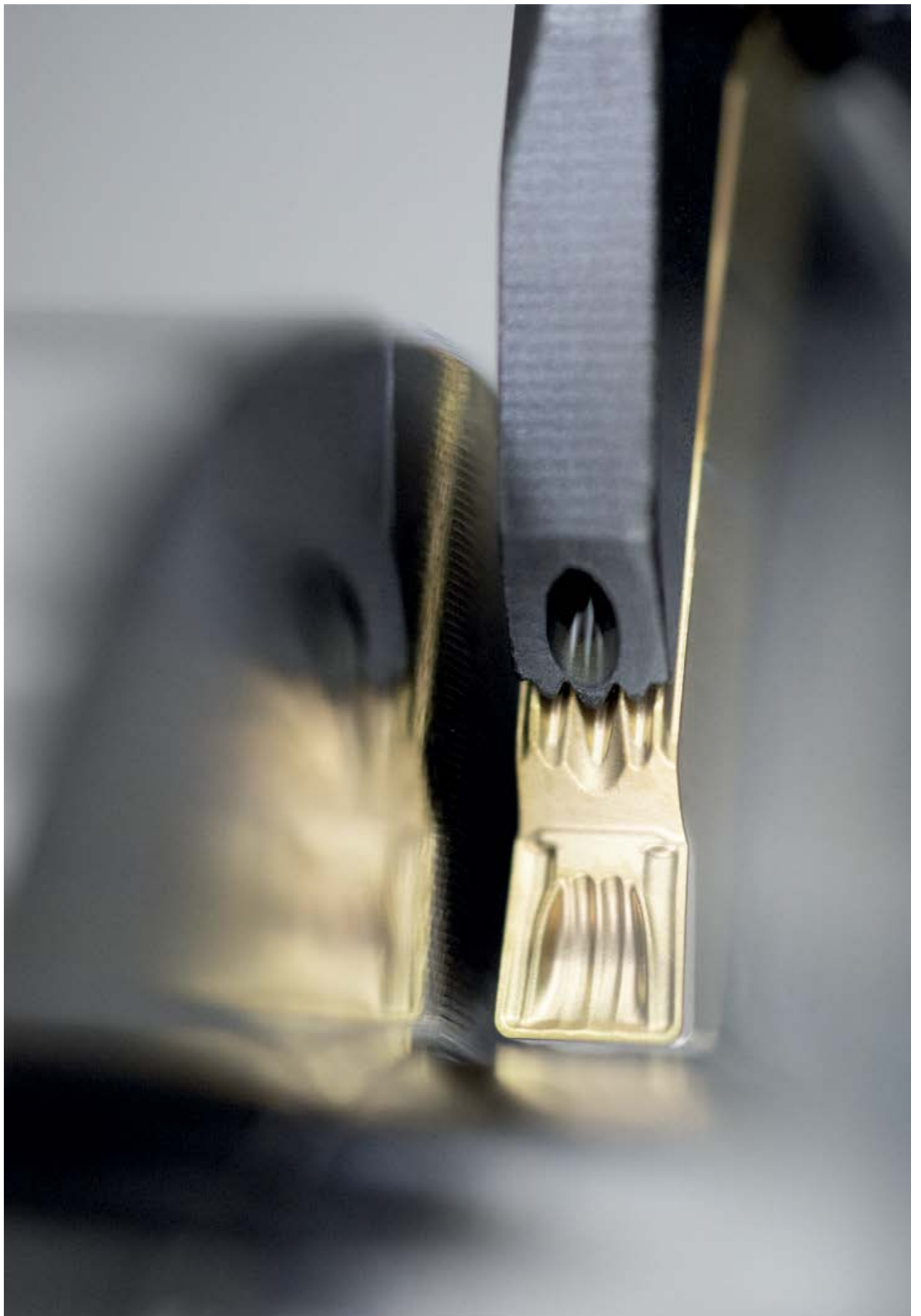
Walter DeVibe is an anti-vibration technology for thread milling cutters. At its core, it consists of a »calming chamfer« that reduces the clearance angle on the flank face. This supports the tool; vibrations are minimised. DeVibe enables higher surface qualities and cutting data, particularly for metric fine threads – regardless of clamping conditions, changing cutting data or the milling strategy.



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



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


















The structure of the new Walter General Catalog

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

Milling tools with indexable inserts WALTER

Face milling cutters




| | | | |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| |  |  |  |
| Machining |  |  |  |
| Lead angle k | 45° | 45° | 45° |
| |  |  |  |
| Designation | M5009 Xtra-tec® XT | M4003 | M3024 Walter BLAXX |
| Diameter range [mm] [inch] | 40-160 1,500-6,000 | 20-160 0,750-6,000 | 40-160 2,000-6,000 |
| Boring bar/adaptor type | | | |
| DIN 1835 B | | | |
| Shell mill mount DIN 138 | ✓ | ✓ | ✓ |
| ScrewFit | ✓ | | |
| Cylindrical shank | | ✓ | ✓ |
| Cylindrical modular | | | |
| Steep taper | | | |
| HSK | | | |
| NCT | | | |
| P Steel | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● |
| H Hard materials | ● | ● | ● |
| O Other | ● | ● | ● |
| Indexable inserts |  |  |  |
| Number of cutting edges | 8 / 2 | 4 / 1 | 14 / 2 |
| Max. depth of cut [mm] | 5 - 6 | 4,5 - 6,5 | 4 - 6 |
| Page in catalogue | 390 | 394 | 388 |
| QR code |  |  |  |
| www.walter-tools.com/woc/ | M5009 | M4003 | M3024 |
| WALTER SELECT | ●● | ●● | ●● |
| | | | ●● |

Face milling cutters 329

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

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

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

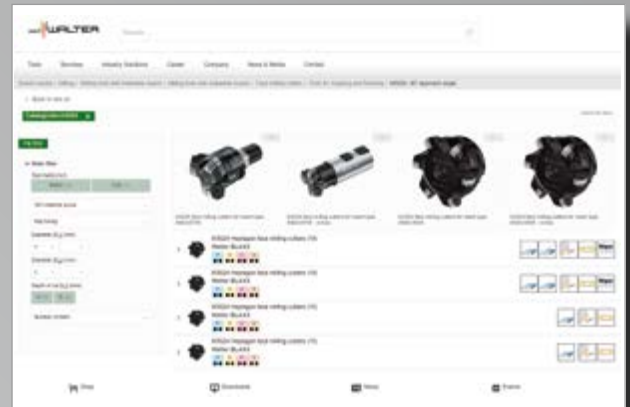
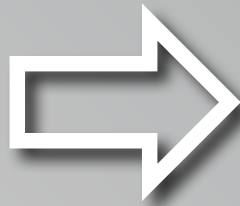
   Indexable inserts and tools with these red icons are new to the range and are labelled in this way on the ordering page.
★

Scan the QR code

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



M3024



Direct link

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

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

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



Detailed overview of product data

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

Heptagon face milling cutters
M3024
Walter BLAXX

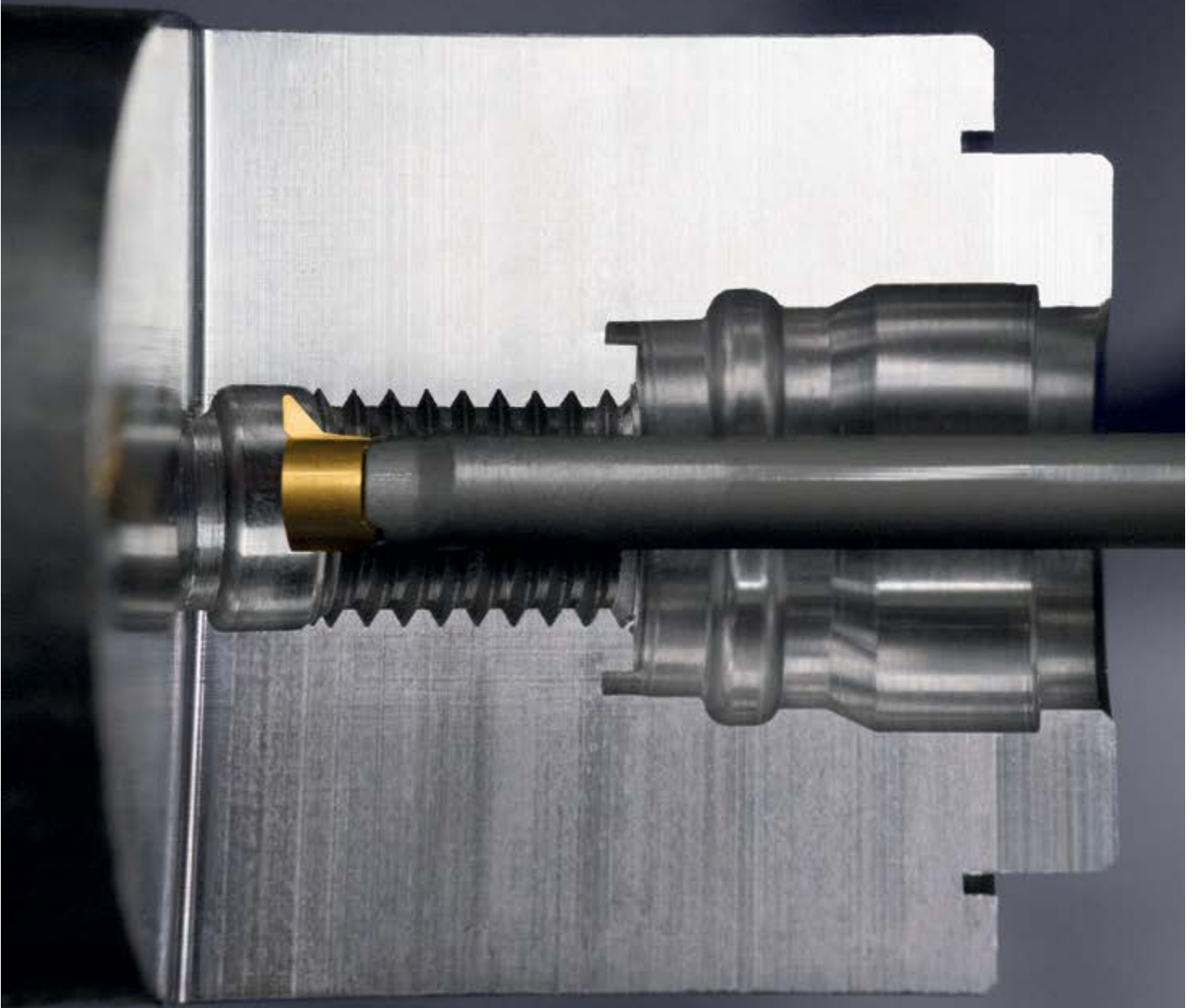
14 cutting edges per indexable insert

W024

Key (explanation of symbols)

Switch to inch values

| Designation | D _h mm | D _h mm | d _h mm | L _h mm | L _h mm | |
|-------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------|
| Parallel tool DIN 138 transverse keyway - H45° - metric (K) | 63 | 125 | 75.06 | 137.96 | 22 | 40-40 D 40-63 6 |
| M3024-053-B27-05-08 Assembly | 63 | 75.06 | 22 | 40 | 6 | |
| M3024-085-B27-06-05 Assembly | 80 | 92.06 | 27 | 50 | 6 | |
| M3024-100-B32-07-08 Assembly | 100 | 112.88 | 32 | 50 | 6 | |
| M3024-125-M40-08-08 Assembly | 125 | 137.96 | 40-40 D | 63 | 6 | |
| Parallel tool DIN 138 transverse keyway - H45° - metric (T) | 150 | 172.06 | 40-40 D | 63 | 6 | |



A - Turning

A1 - ISO turning

| Indexable inserts | Program | Order pages |
|----------------------------------------------|---------|-------------|
| ISO indexable inserts – Negative basic shape | 14 | 24 |
| ISO indexable inserts – Positive basic shape | 17 | 25 |
| Inserts copy turning system – WL | 20 | 26 |
| ISO indexable inserts – CBN/PCD/ceramic | 21 | |

| Walter Turn turning tools – External machining | Program | Order pages |
|-----------------------------------------------------------------|---------|-------------|
| Shank tools – Negative basic shape | 27 | |
| Shank tools – Positive basic shape | 33 | |
| Shank tool – WL copy turning system | 37 | 48 |
| Shank tool – Ceramic indexable inserts | 39 | |
| Walter Capto™ turning toolholders | 40 | |
| Walter Capto™ – WL copy turning system | 45 | 51 |
| Walter Capto™ – Negative basic shape, ceramic | 46 | |
| Walter Capto™ turning toolholders – Turning and milling centers | 47 | |

| Walter Turn turning tools – Internal machining | Program | Order pages |
|-------------------------------------------------------|---------|-------------|
| Boring bars – Negative basic shape | 52 | |
| Boring bars – Positive basic shape | 54 | |
| Boring bars – WL copy turning system | 58 | 68 |
| Boring bar adaptor | 59 | |
| Boring bars – Walter Capto™ | 60 | |
| Vibration-damped boring bar adaptor – Accure-tec | 62 | |
| Boring bars – QuadFit exchangeable head | 63 | |

A2 - Grooving

| Cutting inserts | Program | Order pages |
|--------------------------------------------------|---------|-------------|
| Single-, double- and multi-edged cutting inserts | 70 | 80 |
| Single-edged interchangeable heads | 78 | |

| Shank tools | Program | Order pages |
|--------------------------------------|---------|-------------|
| Shank tools/parting blades | 90 | 106 |
| Walter Capto™ groove turning holders | 100 | |
| Boring bars | 102 | |
| QuadFit exchangeable head | 105 | |

A3 - Thread turning

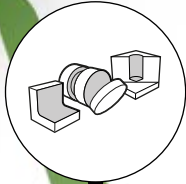
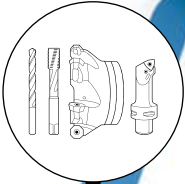
| Indexable inserts | Program | Order pages |
|--------------------------|---------|-------------|
| Indexable inserts | 124 | 127 |

| Walter TS threading tools | Program | Order pages |
|----------------------------------|---------|-------------|
| Walter TS threading tools | 142 | 144 |

How to use Walter GPS

As the market's leading software solution for finding tools and calculating cutting data, Walter GPS offers you many functions that will help you in your day-to-day work: For production on the machine, as good starting values for programming, for process and component planning and much more – the journey from component to production couldn't be quicker. The reason?

➤ **With the GPS cutting data, you can start production immediately!**

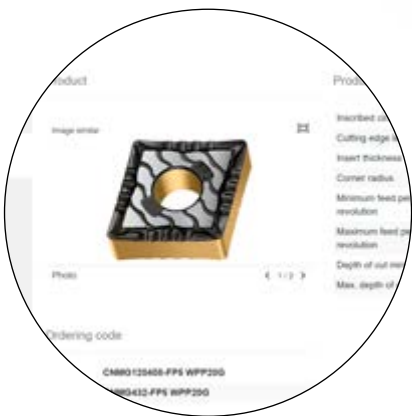


SEARCH PRODUCT-RELATED

A

Would you like to use a specific tool or an existing tool? Do you know the application and material, but don't know what cutting data you should work with? Or do you want to know whether your tool can do this?

Walter GPS gives you the answer in just a few clicks: In the form of cutting data, data models and much more.



Enter specific **tool**

SEARCH APPLICATION-RELATED

B

Do you know your application and your material, but don't know which tool solution is best for it?

Walter GPS suggests one or more solutions – and you choose the best one for you. And that's not all – this also works for indexable insert tools; Walter GPS even puts together different combinations of body and inserts for these!



Select **material** and ...



... **application**

Select **material** and ...

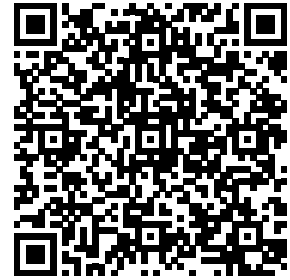
... **application**

HOW WALTER GPS BENEFITS YOU

- Find the right tool solution for your machining task – quickly and based on your machining objective (e.g. maximum cost-efficiency).
- Get reliable cutting data for your tool – calculated according to your specifications: For your tool, your application and your material.
- Ideal for calculating profitability – this allows you to determine the estimated costs in the shortest possible time.
- Benefit from helpful additional information – e.g. in the form of 2D and 3D models which you can use directly for your machine programming.
- CO₂ values for your application – divided according to machining operation and machine basic load.

Launch Walter GPS now

Your navigation system for the best machining solution



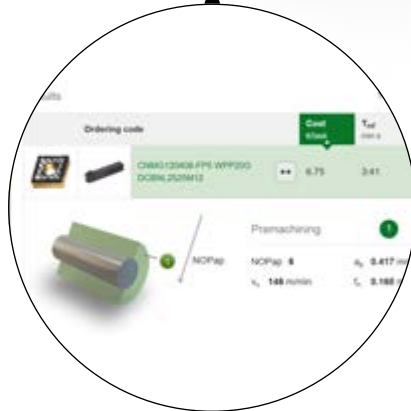
www.walter-tools.com/gps

RESULT



Enter application parameters

Tool selection













Enter application parameters




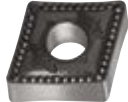






Tool selection

Walter offers you one or more possible tool solutions to choose from. In the default settings, the most cost-efficient solution is displayed. If you have a different priority (e.g. the most productive solution, the best surface quality, etc.), you can define it in advance and the tool selection will be adapted accordingly!

Walter offers you the ideal cutting data for your tool, your application and your material! So precise that you can use it immediately for your application or programming! And, of course, you can find out whether your tool is suitable for the application. If it isn't, use the "Application-related search" to immediately find a suitable alternative – in no time at all and with the option to order it directly!

ISO indexable inserts – Negative basic shape

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

| Machining | Medium machining | | | | | |
|-----------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| |  NEW |  |  |  | |  |
| Geometry | MN3 | NMS | MS3 | NMT | MP3 | |
| STI / Eg / thread insert | C, D, V, W | C, D, S, T, V, W | C, D, T, V, W | C, D, W | C, D, S, T, V, W | |
| P Steel | ● | | ● | ●● | ●● | |
| M Stainless steel | ● | ● | ● | | | |
| K Cast iron | | | | | ● | |
| N NF metals | ●● | | ● | | | |
| S Materials with difficult cutting properties | ● | ●● | ●● | ●● | | |
| H Hard materials | | | | | | |
| O Other | | | | | | |
| a_p in [mm] | 0.020-0.157 [0.5-4.0] | 0.020-0.138 [0.5-3.5] | 0.008-0.197 [0.2-5.0] | 0.016-0.157 [0.4-4.0] | 0.012-0.138 [0.3-3.5] | |
| f in [mm] | 0.002-0.016 [0.05-0.40] | 0.003-0.018 [0.08-0.45] | 0.001-0.020 [0.02-0.50] | 0.003-0.013 [0.08-0.32] | 0.002-0.016 [0.06-0.40] | |
| Page in catalog | 24 | | | | | |
| QR code |  |  |  |  |  | |
| | www.walter-tools.com/woc/ | MN3 | NMS | MS3 | NMT | MP3 |

WALTER SELECT

●● Primary application ● Other application


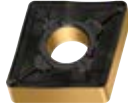
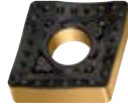
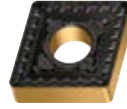




ISO indexable inserts – Negative basic shape

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


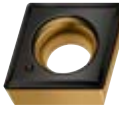

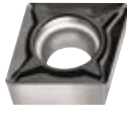






| Machining | Roughing | | | | |
|--------------------------------------------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | | | |
| Geometry | NRT | RM5 | RP5 | RP7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











WALTER SELECT ●● Primary application ● Other application

ISO indexable inserts – Negative basic shape











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











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

| Machining | Finishing operation | | | | |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| |  Wiper |  |  |  |  |
| Geometry | FW4 | FL2 | FN2 | FM2 | FP2 |
| STI / Eg / thread insert | C, D, T | C, D, V | C, D, S, T, V, W | C, D, S, T, V, W | C, D, T, V |
| P Steel | ●● | ●● | ● | ●● | ●● |
| M Stainless steel | ●● | ●● | ● | ●● | ●● |
| K Cast iron | ●● | ●● | ● | ● | ●● |
| N NF metals | | | ●● | ●● | ● |
| S Materials with difficult cutting properties | ● | ● | ● | ●● | ● |
| H Hard materials | | | | | |
| O Other | | | ● | | |
| a_p in [mm] | 0.004-0.098 [0.1–2.5] | 0.004-0.059 [0.1–1.5] | 0.005-0.138 [0.12–3.5] | 0.004-0.138 [0.1–3.5] | 0.004-0.118 [0.1–3.0] |
| f in [mm] | 0.001-0.020 [0.03–0.50] | 0.002-0.008 [0.04–0.20] | 0.001-0.012 [0.02–0.30] | 0.001-0.012 [0.02–0.30] | 0.0004-0.012 [0.01–0.30] |
| Page in catalog | | | | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | FW4 | FL2 | FN2 | FM2 | FP2 |

| Machining | Finishing operation | | | | |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| |  |  |  NEW |  |  |
| Geometry | FX4 | FM4 | FP4 | FM6 | FP6 |
| STI / Eg / thread insert | C, D, T, V | C, D, R, S, T, V, W | C, D, R, S, T, V, W | C, D, S, T, V | C, D, S, T, V, W |
| P Steel | ●● | ● | ●● | ● | ●● |
| M Stainless steel | ● | ●● | ● | ●● | ● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | | | | | |
| S Materials with difficult cutting properties | | ●● | ● | ●● | ● |
| H Hard materials | | | | | |
| O Other | | | | | |
| a_p in [mm] | 0.002-0.098 [0.05–2.5] | 0.004-0.197 [0.1–5.0] | 0.004-0.197 [0.1–5.0] | 0.012-0.098 [0.3–2.5] | 0.012-0.098 [0.3–2.5] |
| f in [mm] | 0.001-0.010 [0.02–0.25] | 0.001-0.016 [0.02–0.40] | 0.001-0.016 [0.02–0.40] | 0.003-0.013 [0.08–0.32] | 0.002-0.013 [0.06–0.32] |
| Page in catalog | | | 25 | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | FX4 | FM4 | FP4 | FM6 | FP6 |

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

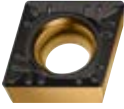







| Machining | Finishing operation | Medium machining | | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| |  |  Wiper |  |  NEW |  NEW |
| Geometry | FK6 | MW4 | MN2 | MM4 | MP4 |
| STI / Eg / thread insert | C, D, S, T, V | C, D, T | C, D, R, S, T, V, W | C, D, S, T, V, W | C, D, S, T, V, W |
| P Steel | ● | ●● | ● | ● | ●● |
| M Stainless steel | ● | ●● | ● | ●● | ● |
| K Cast iron | ●● | ●● | ● | ● | ● |
| N NF metals | | | ●● | | |
| S Materials with difficult cutting properties | ● | ● | ● | ●● | ● |
| H Hard materials | | | | | |
| O Other | | | ● | | |
| a_p in [mm] | 0.012-0.098 [0.3-2.5] | 0.020-0.177 [0.5-4.5] | 0.020-0.236 [0.5-6.0] | 0.004-0.138 [0.1-3.5] | 0.012-0.138 [0.3-3.5] |
| f in [mm] | 0.002-0.013 [0.06-0.32] | 0.005-0.022 [0.12-0.55] | 0.001-0.031 [0.02-0.80] | 0.002-0.014 [0.04-0.35] | 0.002-0.014 [0.06-0.35] |
| Page in catalog | | | | 25 | 25 |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | FK6 | MW4 | MN2 | MM4 | MP4 |

| Machining | Medium machining | | | | Roughing |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| |  |  NEW |  |  |  |
| Geometry | MK4 | MP6 | ..GN | ..MR | RM4 |
| STI / Eg / thread insert | C, D, S, T, V | C, D, T, V | T | T | C, D, R, S, T, V, W |
| P Steel | ● | ●● | ●● | ●● | ● |
| M Stainless steel | ● | ● | ● | ● | ●● |
| K Cast iron | ●● | ● | ● | ●● | ● |
| N NF metals | | | | | |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ●● |
| H Hard materials | | | | | |
| O Other | | | | | |
| a_p in [mm] | 0.016-0.138 [0.4-3.5] | 0.016-0.157 [0.4-4.0] | 0.016-0.118 [0.4-3.0] | 0.016-0.157 [0.4-4.0] | 0.008-0.276 [0.2-7.0] |
| f in [mm] | 0.003-0.014 [0.08-0.35] | 0.003-0.016 [0.08-0.40] | 0.004-0.012 [0.10-0.30] | 0.005-0.012 [0.12-0.30] | 0.003-0.047 [0.08-1.20] |
| Page in catalog | | 25 | | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | MK4 | MP6 | GN | MR | RM4 |











WALTER SELECT

●● Primary application ● Other application











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











| Machining | Roughing | | | Heavy machining |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| |  |  |  |  |
| Geometry | RP4 | RK4 | RK6 | HU6 |
| STI / Eg / thread insert | C, D, R, S, T, V, W | C, D, R, S, T, V, W | C, D, S, T, V | R |
| P Steel | ●● | ● | | ●● |
| M Stainless steel | ● | ● | | |
| K Cast iron | ● | ●● | ●● | ●● |
| N NF metals | | | | |
| S Materials with difficult cutting properties | ● | ● | | |
| H Hard materials | | | ● | |
| O Other | | | | |
| a_p in [mm] | 0.008-0.276 [0.2-7.0] | 0.016-0.276 [0.4-7.0] | 0.008-0.197 [0.2-5.0] | 0.039-0.591 [1.0-15.0] |
| f in [mm] | 0.003-0.047 [0.08-1.20] | 0.003-0.047 [0.08-1.20] | 0.003-0.020 [0.08-0.50] | 0.005-0.067 [0.12-1.70] |
| Page in catalog | | | | |
| QR code |  |  |  |  |
| www.walter-tools.com/woc/ | RP4 | RK4 | RK6 | HU6 |

Inserts copy turning system – WL

| Machining | Finishing operation | | Medium machining | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| |  | NEW  | NEW  | NEW  |  |
| Geometry | FM4 | FP4 | MM4 | MP4 | MU6 |
| STI / Eg / thread insert | WL | WL | WL | WL | WL |
| P Steel | ● | ●● | ● | ●● | ●● |
| M Stainless steel | ●● | ● | ●● | ● | ●● |
| K Cast iron | | ● | ● | ● | ●● |
| N NF metals | | | | | |
| S Materials with difficult cutting properties | ●● | ● | ●● | ● | ●● |
| H Hard materials | | | | | ● |
| O Other | | | | | |
| a_p in [mm] | 0.004-0.079 [0.1–2.0] | 0.004-0.079 [0.1–2.0] | 0.004-0.098 [0.1–2.5] | 0.004-0.098 [0.1–2.5] | 0.020-0.098 [0.5–2.5] |
| f in [mm] | 0.002-0.010 [0.04–0.25] | 0.002-0.010 [0.04–0.25] | 0.002-0.016 [0.05–0.40] | 0.002-0.016 [0.05–0.40] | 0.005-0.018 [0.12–0.45] |
| Page in catalog | | 26 | 26 | 26 | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | FM4 | FP4 | MM4 | MP4 | MU6 |

ISO indexable inserts – CBN/PCD/ceramic




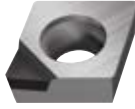
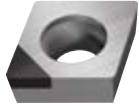





| Cutting tool material | CBN | | | | |
|-----------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| |  |  |  |  |  |
| Geometry | EM | TS | TS-MW | TM | TM-M |
| STI / Eg / thread insert | C, D, V | C, D, S, T, V, W | C | C, D, S, T, V, W | C, D |
| P Steel | | | | | |
| M Stainless steel | | | | | |
| K Cast iron | | ●● | | | |
| N NF metals | | | | | |
| S Materials with difficult cutting properties | ●● | | | | |
| H Hard materials | | ●● | ●● | ●● | ●● |
| O Other | | | | | |
| a_p in [mm] | 0.004-0.039 [0.1-1.0] | 0.002-0.079 [0.05-2.0] | 0.004-0.020 [0.1-0.5] | 0.004-0.039 [0.1-1.0] | 0.004-0.039 [0.1-1.0] |
| f in [mm] | 0.002-0.010 [0.05-0.25] | 0.001-0.012 [0.02-0.30] | 0.002-0.008 [0.05-0.20] | 0.002-0.012 [0.05-0.30] | 0.002-0.012 [0.05-0.30] |
| Page in catalog | | | | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | EM | TS | TS-MW | TM | TM-M |





| Cutting tool material | CBN | | | Ceramic | |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| |  |  |  |  |  |
| Geometry | TM-MW | TS-0 | TM-S | E | T01020 |
| STI / Eg / thread insert | C, D | R | C, R, S | R | C, R, S |
| P Steel | | | | | |
| M Stainless steel | | | | | |
| K Cast iron | | ●● | ●● | | |
| N NF metals | | | | | |
| S Materials with difficult cutting properties | | | | ●● | ●● |
| H Hard materials | ●● | | ● | | ● |
| O Other | | | | | |
| a_p in [mm] | 0.004-0.039 [0.1-1.0] | 0.004-0.197 [0.1-5.0] | 0.004-0.197 [0.1-5.0] | 0.004-0.142 [0.1-3.6] | 0.004-0.177 [0.1-4.5] |
| f in [mm] | 0.002-0.020 [0.05-0.50] | 0.002-0.016 [0.05-0.40] | 0.002-0.020 [0.05-0.50] | 0.004-0.126 [0.10-0.32] | 0.004-0.017 [0.10-0.42] |
| Page in catalog | | | | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | TM-MW | TS-0 | TM-S | E | T01020 |

WALTER SELECT



●● Primary application ● Other application

ISO indexable inserts – CBN/PCD/ceramic

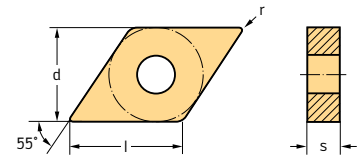
| Cutting tool material | Ceramic | | | PCD | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| |  |  |  |  |  |
| Geometry | T02020 | SM | SM-MWS | T-FS | W-FS |
| STI / Eg / thread insert | C, D, S, T, W | C, D, S, T, V, W | C | C, D, V | C, D, S, T, V |
| P Steel | | | | | |
| M Stainless steel | | | | | |
| K Cast iron | ●● | | | | |
| N NF metals | | | | ●● | ●● |
| S Materials with difficult cutting properties | | | | ● | ● |
| H Hard materials | | ●● | ●● | | |
| O Other | | | | ●● | ●● |
| a_p in [mm] | 0.004-0.236 [0.1-6.0] | 0.004-0.039 [0.1-1.0] | 0.004-0.039 [0.1-1.0] | 0.002-0.157 [0.05-4.0] | 0.002-0.157 [0.05-4.0] |
| f in [mm] | 0.004-0.031 [0.10-0.80] | 0.002-0.012 [0.05-0.30] | 0.002-0.014 [0.05-0.35] | 0.001-0.015 [0.03-0.38] | 0.001-0.015 [0.03-0.38] |
| Page in catalog | | | | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | T02020 | SM | SM-MWS | T-FS | W-FS |

| Cutting tool material | PCD | |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| |  |  |
| Geometry | FS-M | FS-9 |
| STI / Eg / thread insert | C, D | C, S, T |
| P Steel | | |
| M Stainless steel | | |
| K Cast iron | | |
| N NF metals | ●● | ●● |
| S Materials with difficult cutting properties | ● | ● |
| H Hard materials | | |
| O Other | ●● | ●● |
| a_p in [mm] | 0.004-0.079 [0.1-2.0] | 0.002-0.602 [0.05-15.3] |
| f in [mm] | 0.003-0.008 [0.08-0.20] | 0.001-0.015 [0.03-0.38] |
| Page in catalog | | |
| QR code |  |  |
| www.walter-tools.com/woc/ | FS-M | FS-9 |

Indexable inserts for copy turning system – WL CBN inserts

| | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|
| Machining | Medium machining | |
| |  | |
| Geometry | TM | |
| STI / Eg / thread insert | WL | |
| P Steel | | |
| M Stainless steel | | |
| K Cast iron | | |
| N NF metals | | |
| S Materials with difficult cutting properties | | |
| H Hard materials | ● ● | |
| O Other | | |
| a_p in [mm] | 0.004-0.098 [0.1–2.5] | |
| f in [mm] | 0.001-0.020 [0.02–0.50] | |
| Page in catalog | | |
| QR code |  | |
| www.walter-tools.com/woc/ | TM | |

Turning Insert – Negative rhombic 55° DNGG



Indexable inserts

| | ANSI Designation | Designation | l in | r in | f in | a _p in | N | |
|--|------------------|-----------------|---------|---------|-------------|----------------------|------|------|
| | | | | | | | HC | HW |
| | | | | | | | WN10 | WN10 |
| | DNGG3(3)0.5M-MN3 | DNGG110402M-MN3 | 0.458 | 0.007 | 0.002-0.005 | 0.020-0.079 | | |
| | DNGG331M-MN3 | DNGG110404M-MN3 | 0.458 | 0.015 | 0.003-0.012 | 0.024-0.118 | | |
| | DNGG431M-MN3 | DNGG150404M-MN3 | 0.610 | 0.016 | 0.003-0.019 | 0.024-0.138 | | |
| | DNGG432M-MN3 | DNGG150408M-MN3 | 0.610 | 0.032 | 0.005-0.014 | 0.032-0.138 | | |
| | DNGG441M-MN3 | DNGG150604M-MN3 | 0.610 | 0.016 | 0.003-0.019 | 0.024-0.138 | | |
| | DNGG442M-MN3 | DNGG150608M-MN3 | 0.610 | 0.032 | 0.005-0.014 | 0.032-0.138 | | |

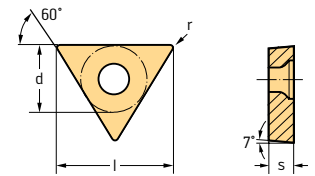
Ordering example for the grade WN10: DNGG110402M-MN3 WN10

HC = Coated carbide
HW = Uncoated carbide

Turning Insert – Positive triangular 60°

TCMT

Tiger-tec® Gold



Indexable inserts

| ANSI Designation | Designation | l in | r in | f in | a _p in | P | | | M | | | K | | S | | |
|------------------|---------------------|----------------|---------|---------|----------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | HC | | | HE | | | HC | | HC | | |
| | | | | | | WKP01G | WPP10G | WPP20G | WMP20S | WEP10C | WSM10S | WMP20S | WSM20S | WKP01G | WSM10S | WSM20S |
| | TCMT1.2(1.2)0.5-FM4 | TCMT06T102-FM4 | 0.271 | 0.008 | 0.001-0.004 | 0.004-0.039 | | | ☺ | | | | | | | |
| | TCMT1.2(1.2)01-FM4 | TCMT06T104-FM4 | 0.271 | 0.016 | 0.002-0.007 | 0.004-0.039 | | | ☺ | | | | | | | |
| | TCMT1.8(1.5)0.5-FM4 | TCMT090202-FM4 | 0.379 | 0.008 | 0.002-0.005 | 0.004-0.039 | | | ☺ | | | | | | | |
| | TCMT1.8(1.5)1-FM4 | TCMT090204-FM4 | 0.379 | 0.016 | 0.002-0.006 | 0.004-0.059 | ☺ | ☺ | ☺ | ☺ | | | ☺ | | | |
| | TCMT1.8(1.5)2-FM4 | TCMT090208-FM4 | 0.379 | 0.032 | 0.003-0.008 | 0.004-0.059 | | | ☺ | | | | | | | |
| | TCMT2(1.5)0.5-FM4 | TCMT110202-FM4 | 0.433 | 0.008 | 0.002-0.005 | 0.004-0.039 | | ☺ | ☺ | | | | | | | |
| | TCMT2(1.5)1-FM4 | TCMT110204-FM4 | 0.433 | 0.016 | 0.002-0.006 | 0.004-0.059 | ☺ | ☺ | ☺ | ☺ | | | ☺ | | | |
| | TCMT2(1.5)2-FM4 | TCMT110208-FM4 | 0.433 | 0.032 | 0.003-0.008 | 0.004-0.059 | | ☺ | ☺ | | | | | | | |
| | TCMT221-FP4 | TCMT110304-FP4 | 0.433 | 0.016 | 0.002-0.006 | 0.004-0.059 | | ☺ | ☺ | | | | | | | |
| | TCMT222-FP4 | TCMT110308-FP4 | 0.433 | 0.032 | 0.003-0.008 | 0.004-0.059 | | ☺ | ☺ | | | | | | | |
| | TCMT3(2.5)0.5-FM4 | TCMT16T302-FM4 | 0.650 | 0.008 | 0.002-0.005 | 0.004-0.039 | | | ☺ | | | | | | | |
| | TCMT3(2.5)1-FM4 | TCMT16T304-FM4 | 0.650 | 0.016 | 0.002-0.006 | 0.004-0.059 | | | ☺ | | | | ☺ | | | |
| | TCMT3(2.5)2-FM4 | TCMT16T308-FM4 | 0.650 | 0.032 | 0.003-0.008 | 0.004-0.059 | | | ☺ | | | | | | | |
| | TCMT1.8(1.5)1-MM4 | TCMT090204-MM4 | 0.379 | 0.016 | 0.003-0.008 | 0.016-0.079 | | | | ☺ | | ☺ | | ☺ | ☺ | |
| | TCMT1.8(1.5)2-MM4 | TCMT090208-MM4 | 0.379 | 0.032 | 0.005-0.010 | 0.020-0.079 | | | | | | ☺ | | ☺ | ☺ | |
| | TCMT2(1.5)1-MM4 | TCMT110204-MM4 | 0.433 | 0.016 | 0.003-0.008 | 0.016-0.079 | | | | | | ☺ | | ☺ | ☺ | |
| | TCMT2(1.5)2-MM4 | TCMT110208-MM4 | 0.433 | 0.032 | 0.005-0.012 | 0.020-0.079 | | | | | | ☺ | | ☺ | ☺ | |
| | TCMT3(2.5)1-MM4 | TCMT16T304-MM4 | 0.650 | 0.016 | 0.003-0.010 | 0.016-0.118 | | | ☺ | | ☺ | ☺ | ☺ | ☺ | ☺ | |
| | TCMT3(2.5)2-MM4 | TCMT16T308-MM4 | 0.650 | 0.032 | 0.005-0.013 | 0.020-0.118 | | | ☺ | | ☺ | ☺ | ☺ | ☺ | ☺ | |
| | TCMT432-MM4 | TCMT220408-MM4 | 0.866 | 0.032 | 0.005-0.013 | 0.020-0.138 | | | | | | ☺ | | ☺ | ☺ | |
| | TCMT1.8(1.5)1-MP4 | TCMT090204-MP4 | 0.379 | 0.016 | 0.003-0.008 | 0.016-0.079 | | | ☺ | | | | | | | |
| | TCMT1.8(1.5)2-MP4 | TCMT090208-MP4 | 0.379 | 0.032 | 0.005-0.010 | 0.020-0.079 | | | ☺ | | | | | | | |
| | TCMT2(1.5)1-MP4 | TCMT110204-MP4 | 0.433 | 0.016 | 0.003-0.008 | 0.016-0.079 | | ☺ | ☺ | | | | | | | |
| | TCMT2(1.5)2-MP4 | TCMT110208-MP4 | 0.433 | 0.032 | 0.005-0.012 | 0.020-0.079 | | ☺ | ☺ | | | | | | | |
| | TCMT221-MP4 | TCMT110304-MP4 | 0.433 | 0.016 | 0.003-0.008 | 0.016-0.079 | | ☺ | ☺ | | | | | | | |
| | TCMT222-MP4 | TCMT110308-MP4 | 0.433 | 0.032 | 0.005-0.012 | 0.020-0.079 | | ☺ | ☺ | | | | | | | |
| | TCMT3(2.5)1-MP4 | TCMT16T304-MP4 | 0.650 | 0.016 | 0.003-0.010 | 0.016-0.118 | | | ☺ | | | | | | | |
| | TCMT3(2.5)2-MP4 | TCMT16T308-MP4 | 0.650 | 0.032 | 0.005-0.013 | 0.020-0.118 | | | ☺ | | | | | | | |
| | TCMT432-MP4 | TCMT220408-MP4 | 0.866 | 0.032 | 0.005-0.013 | 0.020-0.138 | | | | | | | | | | |
| | TCMT2(1.5)1-MP6 | TCMT110204-MP6 | 0.433 | 0.016 | 0.004-0.008 | 0.016-0.098 | | ☺ | ☺ | | | | | | | |
| | TCMT221-MP6 | TCMT110304-MP6 | 0.433 | 0.016 | 0.005-0.010 | 0.016-0.118 | | | ☺ | | | | | | | |
| | TCMT222-MP6 | TCMT110308-MP6 | 0.433 | 0.032 | 0.006-0.012 | 0.024-0.118 | | | ☺ | | | | | | | |
| | TCMT3(2.5)1-MP6 | TCMT16T304-MP6 | 0.650 | 0.016 | 0.004-0.010 | 0.016-0.138 | | ☺ | ☺ | | | | | | | |
| | TCMT3(2.5)2-MP6 | TCMT16T308-MP6 | 0.650 | 0.032 | 0.006-0.013 | 0.024-0.138 | | ☺ | ☺ | | | | | | | |

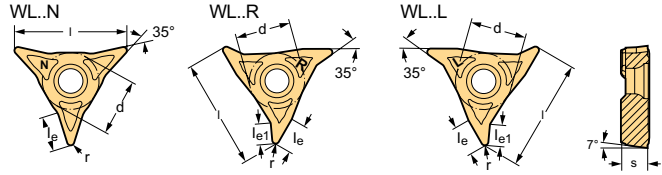
See the ISO 1832 designation key for dimensions
 Ordering example for the grade WPP20G: TCMT06T102-FP4 WPP20G

HC = Coated carbide
 HE = Coated cermet

Indexable inserts copy turning system

WL...-VC...

Tiger-tec® Gold



Indexable inserts

| Designation | r mm | l mm | le mm | le1 mm | f mm | ap mm | P | | | | M | | K | S |
|-------------|------------------|---------|----------|-----------|---------|-------------|-------------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | | | | HC | | HC | HC |
| | | | | | | | WKPD1G | WPP10G | WPP20G | WMP20S | WMP20S | WSM20S | WKPD1G | WSM20S |
| | WL17-VC0502R-FP4 | 0.008 | 0.669 | 0.169 | 0.098 | 0.002-0.006 | 0.004-0.047 | | | | | | | |
| | WL17-VC0504R-FP4 | 0.016 | 0.669 | 0.181 | 0.122 | 0.002-0.008 | 0.004-0.071 | | | | | | | |
| | WL17-VC0508R-FP4 | 0.031 | 0.669 | 0.197 | 0.142 | 0.003-0.010 | 0.008-0.071 | | | | | | | |
| | WL25-VC0704R-FP4 | 0.016 | 0.984 | 0.244 | 0.154 | 0.002-0.008 | 0.004-0.079 | ☺ | ☺ | ☺ | | | ☺ | |
| | WL25-VC0708R-FP4 | 0.031 | 0.984 | 0.260 | 0.181 | 0.003-0.010 | 0.008-0.079 | ☺ | ☺ | ☺ | | | ☺ | |
| | WL17-VC0502L-FP4 | 0.008 | 0.669 | 0.169 | 0.098 | 0.002-0.006 | 0.004-0.047 | | | | | | | |
| | WL17-VC0504L-FP4 | 0.016 | 0.669 | 0.181 | 0.122 | 0.002-0.008 | 0.004-0.071 | | | | | | | |
| | WL17-VC0508L-FP4 | 0.031 | 0.669 | 0.197 | 0.142 | 0.003-0.010 | 0.008-0.071 | | | | | | | |
| | WL25-VC0704L-FP4 | 0.016 | 0.984 | 0.244 | 0.154 | 0.002-0.008 | 0.004-0.079 | ☺ | ☺ | ☺ | | | ☺ | |
| | WL25-VC0708L-FP4 | 0.031 | 0.984 | 0.260 | 0.181 | 0.003-0.010 | 0.008-0.079 | ☺ | ☺ | ☺ | | | ☺ | |
| | WL17-VC0504R-MM4 | 0.016 | 0.669 | 0.181 | 0.122 | 0.002-0.008 | 0.004-0.071 | | | | | ☺ | ☺ | ☺ |
| | WL17-VC0508R-MM4 | 0.031 | 0.669 | 0.197 | 0.142 | 0.003-0.010 | 0.008-0.071 | | | | | ☺ | ☺ | ☺ |
| | WL25-VC0704R-MM4 | 0.016 | 0.984 | 0.244 | 0.154 | 0.003-0.010 | 0.016-0.098 | | | ☺ | ☺ | ☺ | ☺ | ☺ |
| | WL25-VC0708R-MM4 | 0.031 | 0.984 | 0.260 | 0.181 | 0.005-0.013 | 0.020-0.098 | | | ☺ | ☺ | ☺ | ☺ | ☺ |
| | WL17-VC0504L-MM4 | 0.016 | 0.669 | 0.181 | 0.122 | 0.002-0.008 | 0.004-0.071 | | | | | ☺ | ☺ | ☺ |
| | WL17-VC0508L-MM4 | 0.031 | 0.669 | 0.197 | 0.142 | 0.003-0.010 | 0.008-0.071 | | | | | ☺ | ☺ | ☺ |
| | WL25-VC0704L-MM4 | 0.016 | 0.984 | 0.244 | 0.154 | 0.003-0.010 | 0.016-0.098 | | | ☺ | ☺ | ☺ | ☺ | ☺ |
| | WL25-VC0708L-MM4 | 0.031 | 0.984 | 0.260 | 0.181 | 0.005-0.013 | 0.020-0.098 | | | ☺ | ☺ | ☺ | ☺ | ☺ |
| | WL17-VC0504R-MP4 | 0.016 | 0.669 | 0.181 | 0.122 | 0.002-0.008 | 0.004-0.071 | | ☺ | | | | | |
| | WL17-VC0508R-MP4 | 0.031 | 0.669 | 0.197 | 0.142 | 0.003-0.010 | 0.008-0.071 | | ☺ | | | | | |
| | WL25-VC0704R-MP4 | 0.016 | 0.984 | 0.244 | 0.154 | 0.003-0.010 | 0.016-0.098 | ☺ | ☺ | | | | | |
| | WL25-VC0708R-MP4 | 0.031 | 0.984 | 0.260 | 0.181 | 0.005-0.013 | 0.020-0.098 | ☺ | ☺ | | | | | |
| | WL17-VC0504L-MP4 | 0.016 | 0.669 | 0.181 | 0.122 | 0.002-0.008 | 0.004-0.071 | | ☺ | | | | | |
| | WL17-VC0508L-MP4 | 0.031 | 0.669 | 0.197 | 0.142 | 0.003-0.010 | 0.008-0.071 | | ☺ | | | | | |
| | WL25-VC0704L-MP4 | 0.016 | 0.984 | 0.244 | 0.154 | 0.003-0.010 | 0.016-0.098 | ☺ | ☺ | | | | | |
| | WL25-VC0708L-MP4 | 0.031 | 0.984 | 0.260 | 0.181 | 0.005-0.013 | 0.020-0.098 | ☺ | ☺ | | | | | |

Ordering example for the grade WPP20G: WL17-VC0502R-FP4 WPP20G

HC = Coated carbide

Square-shank turning toolholders – Negative basic shape

| | | | | |
|--------------------------|--------------------------------------------------------------------------|-------------------|------------|----------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | DCLN | DCLN...-P | PCLN | DCBN |
| Approach angle | 95° | 95° | 95° | 75° |
| Clamping system | Claw | Claw | Lever-type | Claw |
| Coolant supply | External | Precision cooling | External | External |
| Shank size h [mm] | 16–32 | 20–32 | 16–50 | 25–32 |
| Shank size h [Inch] | 0.625–1.500 | 0.750–1.000 | | |
| Insert size l [mm] | 9–19 | 12–16 | 9–25 | 12–19 |
| Insert size l [1/8 inch] | 3–6 | 4–5 | 3–8 | 4–6 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/ | DCLN | DCLN-P | PCLN |
| | | | | DCBN |

| | | | | |
|--------------------------|--------------------------------------------------------------------------|-------------|------------|------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | DCKN | DCRN | PCBN | PCKN |
| Approach angle | 75° | 75° | 75° | 75° |
| Clamping system | Claw | Claw | Lever-type | Lever-type |
| Coolant supply | External | External | External | External |
| Shank size h [mm] | 25–32 | | 25–32 | 25 |
| Shank size h [Inch] | 1.000–1.250 | 1.000–1.250 | | |
| Insert size l [mm] | 12–16 | 12–19 | 12–19 | 12 |
| Insert size l [1/8 inch] | 4–5 | 4–6 | 4–6 | 4 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/ | DCKN | DCRN | PCBN |
| | | | | PCKN |

Square-shank turning toolholders – Negative basic shape

| Type | | | | | |
|--------------------------|--------------------------------------------------------------------------|----------|-------------|-------------|------|
| Machining | | | | | |
| | | | | | |
| Designation | PCSN | DDHN | DDQN | DDJN | |
| Approach angle | 45° | 107.5° | 107.5° | 93° | |
| Clamping system | Lever-type | Claw | Claw | Claw | |
| Coolant supply | External | External | External | External | |
| Shank size h [mm] | 25 | 20–25 | | 20–32 | |
| Shank size h [Inch] | | | 1.000–1.250 | 0.625–1.500 | |
| Insert size l [mm] | 12 | 15 | 15 | 11–15 | |
| Insert size l [1/8 inch] | 4 | 4 | 4 | 3–4 | |
| Page in catalog | | | | | |
| QR code | | | | | |
| | www.walter-tools.com/woc/ | PCSN | DDHN | DDQN | DDJN |



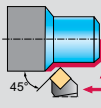
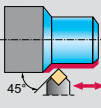
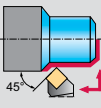
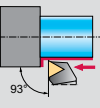








| Type | | | | | |
|--------------------------|--------------------------------------------------------------------------|------------|----------|-------------|------|
| Machining | | | | | |
| | | | | | |
| Designation | DDJN...-P | PDJN | DDNN | DDPN | |
| Approach angle | 93° | 93° | 62.5° | 62.5° | |
| Clamping system | Claw | Lever-type | Claw | Claw | |
| Coolant supply | Precision cooling | External | External | External | |
| Shank size h [mm] | 20–25 | 16–32 | 20–32 | | |
| Shank size h [Inch] | 0.750–1.000 | | | 0.750–1.250 | |
| Insert size l [mm] | 11–15 | 11–15 | 11–15 | 15 | |
| Insert size l [1/8 inch] | 3–4 | 3–4 | 3–4 | 4 | |
| Page in catalog | | | | | |
| QR code | | | | | |
| | www.walter-tools.com/woc/ | DDJN-P | PDJN | DDNN | DDPN |

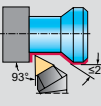
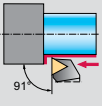




Square-shank turning toolholders – Negative basic shape

| Type | | | | |
|--------------------------|--------------------------------------------------------------------------|----------|-------------|-------------------|
| Machining | | | | |
| | | | | |
| Designation | DSBN | DSKN | DSRN | DSBN...-P |
| Approach angle | 75° | 75° | 75° | 75° |
| Clamping system | Claw | Claw | Claw | Claw |
| Coolant supply | External | External | External | Precision cooling |
| Shank size h [mm] | 25–40 | 25–32 | | 25 |
| Shank size h [Inch] | | | 0.750–1.500 | |
| Insert size l [mm] | 12–19 | 12–15 | 12–25 | 12 |
| Insert size l [1/8 inch] | 4–6 | 4–5 | 4–8 | 4 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/ | | | |
| | DSBN | DSKN | DSRN | DSBN-P |

| Type | | | | |
|--------------------------|--------------------------------------------------------------------------|------------|-------------|----------|
| Machining | | | | |
| | | | | |
| Designation | PSBN | PSKN | DSDN | DSSN |
| Approach angle | 75° | 75° | 45° | 45° |
| Clamping system | Lever-type | Lever-type | Claw | Claw |
| Coolant supply | External | External | External | External |
| Shank size h [mm] | 20–50 | 20–32 | 20–32 | 20–32 |
| Shank size h [Inch] | | | 0.625–1.500 | 1.000 |
| Insert size l [mm] | 12–25 | 12–19 | 9–25 | 12–19 |
| Insert size l [1/8 inch] | 4–8 | 4–6 | 3–8 | 4–6 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/ | | | |
| | PSBN | PSKN | DSDN | DSSN |

Square-shank turning toolholders – Negative basic shape

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

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

Square-shank turning toolholders – Negative basic shape

| | | | | |
|--------------------------|--------------------------------------------------------------------------|------------|----------|-------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | PTFN | PTGN | DVPN | DVTN |
| Approach angle | 91° | 91° | 117.5° | 117.5° |
| Clamping system | Lever-type | Lever-type | Claw | Claw |
| Coolant supply | External | External | External | External |
| Shank size h [mm] | 16–25 | 16–40 | 25–32 | |
| Shank size h [Inch] | | | | 0.750–1.250 |
| Insert size l [mm] | 16 | 11–27 | 16 | 16 |
| Insert size l [1/8 inch] | 3 | 2–5 | 3 | 3 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/ | | | |

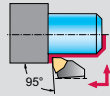
| | | | | |
|--------------------------|--------------------------------------------------------------------------|-------------------|-------------|-------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | DVJN | DVJN...-P | DVVN | DWLN |
| Approach angle | 93° | 93° | 72.5°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

Square-shank turning toolholders – Negative basic shape

Type



Machining



| Designation | DWLN...-P | PWLN | |
|--------------------------|-------------------|------------|--|
| Approach angle | 95° | 95° | |
| Clamping system | Claw | Lever-type | |
| Coolant supply | Precision cooling | External | |
| Shank size h [mm] | 20–25 | 16–32 | |
| Shank size h [Inch] | 0.750–1.000 | | |
| Insert size l [mm] | 8 | 6–10 | |
| Insert size l [1/8 inch] | 4 | 3–5 | |
| Page in catalog | | | |

QR code


www.walter-tools.com/woc/

DWLN-P

PWLN

Square-shank turning toolholders – Positive basic shape

| | | | | |
|--------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| | | | | |
| Designation | SCLC | SCLC...-P | SCLC...-S-P | SDHC |
| Approach angle | 95° | 95° | 95° | 107.5° |
| Clamping system | Screw | Screw | Screw | Screw |
| Coolant supply | External | Precision cooling | Precision cooling | External |
| Shank size h [mm] | 10–25 | 20–25 | 10–16 | 12–25 |
| Shank size h [Inch] | 0.375–1.250 | 0.750–1.000 | | |
| Insert size l [mm] | 6–12 | 9 | 6–9 | 7–11 |
| Insert size l [1/8 inch] | 2–4 | 3 | 2–3 | 2–3 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/ SCLC | www.walter-tools.com/woc/ SCLC-P | www.walter-tools.com/woc/ SCLC-S-P | www.walter-tools.com/woc/ SDHC |

| | | | | |
|--------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Designation | SDJC | SDJC...-P | SDJC...-S-P | DDJC...-P |
| Approach angle | 93° | 93° | 93° | 93° |
| Clamping system | Screw | Screw | Screw | Claw |
| Coolant supply | External | Precision cooling | Precision cooling | Precision cooling |
| Shank size h [mm] | 10–25 | 20–25 | 10–16 | 20–25 |
| Shank size h [Inch] | 0.375–1.000 | 0.750–1.000 | | |
| Insert size l [mm] | 7–11 | 11 | 7–11 | 11 |
| Insert size l [1/8 inch] | 2–3 | 3 | 2–3 | 3 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/ SDJC | www.walter-tools.com/woc/ SDJC-P | www.walter-tools.com/woc/ SDJC-S-P | www.walter-tools.com/woc/ DDJC-P |

Square-shank turning toolholders – Positive basic shape

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

| | | | | |
|--------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | SRGC | SRSC | PRDC | PRGC |
| Approach angle | 0° | 0° | 0° | 0° |
| Clamping system | Screw | Screw | Lever-type | Lever-type |
| Coolant supply | External | External | External | External |
| Shank size h [mm] | | 20–32 | 20–50 | 20–40 |
| Shank size h [Inch] | 1.000 | 1.000 | | |
| Insert size l [mm] | 12 | 6–16 | 10–32 | 10–25 |
| Insert size l [1/8 inch] | 4 | 2–5 | | |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/ SRGC | www.walter-tools.com/woc/ SRSC | www.walter-tools.com/woc/ PRDC | www.walter-tools.com/woc/ PRGC |

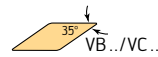
Square-shank turning toolholders – Positive basic shape

| Type | | | |
|--------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Machining | | | |
| | | | |
| Designation | SSDC | SSDCN | STGC |
| Approach angle | 45° | 45° | 91° |
| Clamping system | Screw | Screw | Screw |
| Coolant supply | External | External | External |
| Shank size h [mm] | 16–25 | 12–25 | 12–25 |
| Shank size h [Inch] | | 0.375–0.750 | 0.375–1.000 |
| Insert size l [mm] | 9–12 | 6–12 | 11–16 |
| Insert size l [1/8 inch] | 3–4 | 2–4 | 2–3 |
| Page in catalog | | | |
| QR code | | | |
| | www.walter-tools.com/woc/SSDC | www.walter-tools.com/woc/SSDCN | www.walter-tools.com/woc/STGC |

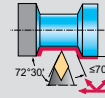
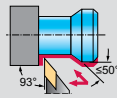
| Type | | | | |
|--------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Machining | | | | |
| | | | | |
| Designation | PVHB | SVJB | SVJB...-P | SVJB...-S-P |
| Approach angle | 107.5° | 93° | 93° | 93° |
| Clamping system | Lever-type | Screw | Screw | Screw |
| Coolant supply | External | External | Precision cooling | Precision cooling |
| Shank size h [mm] | 16–32 | 12–32 | 20–25 | 10–16 |
| Shank size h [Inch] | | 0.500–1.000 | | |
| Insert size l [mm] | 11–16 | 11–16 | 16 | 11 |
| Insert size l [1/8 inch] | 2–3 | 2–3 | 3 | 2 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/PVHB | www.walter-tools.com/woc/SVJB | www.walter-tools.com/woc/SVJB-P | www.walter-tools.com/woc/SVJB-S-P |

Square-shank turning toolholders – Positive basic shape

Type



Machining



| Designation | DVJB...-P | PVJB | SVVB | PVVB |
|--------------------------|-------------------|------------|-------------|------------|
| Approach angle | 93° | 93° | 72.5° | 72.5° |
| Clamping system | Claw | Lever-type | Screw | Lever-type |
| Coolant supply | Precision cooling | External | External | External |
| Shank size h [mm] | 20–25 | 16–32 | 12–32 | 20–32 |
| Shank size h [Inch] | | | 0.750–1.000 | |
| Insert size l [mm] | 16 | 11–16 | 11–16 | 11–16 |
| Insert size l [1/8 inch] | 3 | 2–3 | 2–3 | 2–3 |
| Page in catalog | | | | |

QR code


www.walter-tools.com/woc/

DVJB-P

PVJB

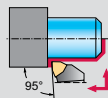
SVVB

PVVB

Type



Machining



| Designation | SWLC |
|--------------------------|----------|
| Approach angle | 95° |
| Clamping system | Screw |
| Coolant supply | External |
| Shank size h [mm] | 12–25 |
| Shank size h [Inch] | |
| Insert size l [mm] | 4–8 |
| Insert size l [1/8 inch] | 2–4 |
| Page in catalog | |

QR code


www.walter-tools.com/woc/

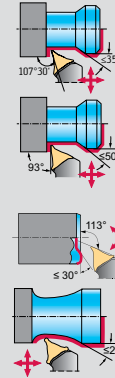
SWLC

Shank tool – WL Copy turning system

Type



Machining



| | | | |
|---------------------|----------|-------------------|-------------------|
| Designation | W1011 | W1011...-P | W1011...-S-P |
| Approach angle | 107.5° | 107.5° | 107.5° |
| Clamping system | | | |
| Coolant supply | External | Precision cooling | Precision cooling |
| Shank size h [mm] | 16–32 | 16–32 | 12–16 |
| Shank size h [Inch] | | 0.750–1.000 | 0.500–0.625 |
| Insert size l [mm] | | | |
| Page in catalog | 48 | 49 | |

QR code



www.walter-tools.com/woc/

W1011

W1011-P

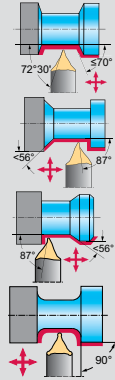
W1011-S-P

Shank tool – WL Copy turning system

Type



Machining





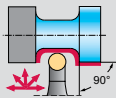
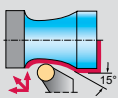
| | | |
|---------------------|-------------------|--|
| Designation | W1010...-P | |
| Approach angle | 72.5° | |
| Clamping system | | |
| Coolant supply | Precision cooling | |
| Shank size h [mm] | 16–25 | |
| Shank size h [Inch] | 0.750–1.000 | |
| Insert size l [mm] | | |
| Page in catalog | | |

QR code


www.walter-tools.com/woc/

W1010-P

Square-shank turning toolholders – Ceramic indexable inserts

| | | |
|-----------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Type |  RC../RP.. |  RN.. |
| Machining |  |  |


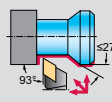
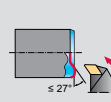
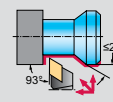
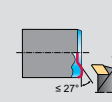










| Designation | CRDC | CRDN | CRSN | CRSN...-P |
|--------------------------|----------|----------|----------|-------------------|
| Approach angle | 0° | 0° | 0° | 0° |
| Clamping system | Claw | Claw | Claw | Claw |
| Coolant supply | External | External | External | Precision cooling |
| Shank size h [mm] | 32 | 25–32 | 25–32 | 25 |
| Shank size h [Inch] | | | | |
| Insert size l [mm] | 9–12 | 12 | 12–15 | 12 |
| Insert size l [1/8 inch] | 3–4 | 4 | 4–5 | 4 |
| Page in catalog | | | | |

| | | | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| QR code |  |  |  |  |
| www.walter-tools.com/woc/ | CRDC | CRDN | CRSN | CRSN-P |

Walter Capto™ turning toolholders – Negative basic shape

| Type |  | |  | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Machining |  | |  | |
| |  |  |  |  |
| Designation | C...-DCLN | C...-DCLN...-P | C...-PCLN | C...-DDHN...-P |
| Approach angle | 95° | 95° | 95° | 107,5° |
| Clamping system | Claw | Claw | Lever-type | Claw |
| Coolant supply | Internal | Precision cooling | Internal | Precision cooling |
| Walter Capto™ size | C4–C8 | C4–C8 | C3–C8 | C6 |
| Insert size l [mm] | 12–19 | 12–16 | 12–25 | 15 |
| Insert size l [1/8 inch] | 4–6 | 4–5 | 4–8 | 4 |
| Page in catalog | | | | |
| QR code |  |  |  |  |
| www.walter-tools.com/woc/ | C-DCLN | C-DCLN-P | C-PCLN | C-DDHN-P |

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

Walter Capto™ turning toolholders – Negative basic shape

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

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

Walter Capto™ turning toolholders – Negative basic shape

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

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

Walter Capto™ turning toolholders – Positive basic shape

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

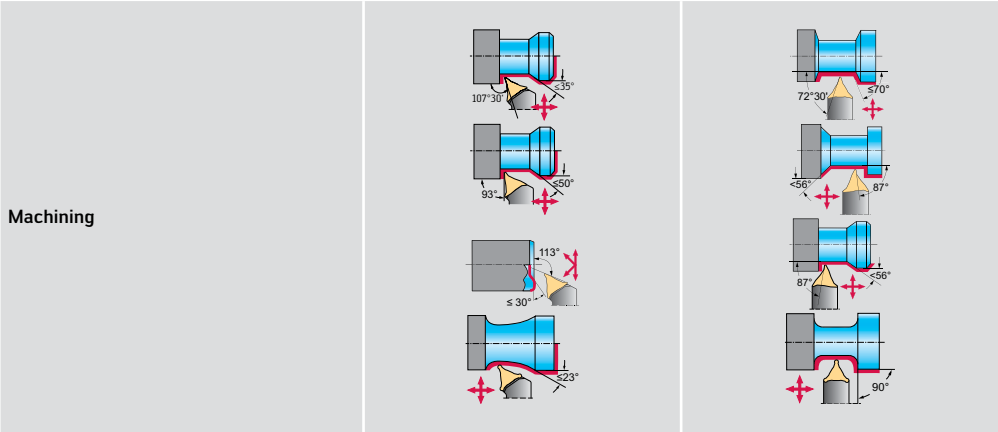
| Type | | | | | |
|--------------------------------------------------------------------------|-----------|-----------|------------|-----------|--|
| Machining | | | | | |
| | | | | | |
| Designation | C...-SRDC | C...-SRSC | C...-PRSC | C...-STGC | |
| Approach angle | 0° | 0° | 0° | 91° | |
| Clamping system | Screw | Screw | Lever-type | Screw | |
| Coolant supply | Internal | Internal | Internal | Internal | |
| Walter Capto™ size | C3–C6 | C4–C6 | C5–C8 | C4–C5 | |
| Insert size l [mm] | 6–16 | 6–16 | 16–25 | 11–16 | |
| Insert size l [1/8 inch] | | | | | |
| Page in catalog | | | | | |
| QR code | | | | | |
| www.walter-tools.com/woc/ | C-SRDC | C-SRSC | C-PRSC | C-STGC | |

Walter Capto™ turning toolholders – Positive basic shape

| Type |  | | | |
|---------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Machining |  |  |  |  |
| |  |  |  |  |
| Designation | C...-SVHB | C...-SVJB | C...-DVJB...-P | C...-SVVB |
| Approach angle | 107,5° | 93° | 93° | 72,5° |
| Clamping system | Screw | Screw | Claw | Screw |
| Coolant supply | Internal | Internal | Precision cooling | Internal |
| Walter Capto™ size | C3–C6 | C3–C6 | C4–C8 | C4–C6 |
| Insert size l [mm] | 11–16 | 11–16 | 16 | 11–16 |
| Insert size l [1/8 inch] | | 2–3 | 3 | 2–3 |
| Page in catalog | | | | |
| QR code |  |  |  |  |
| www.walter-tools.com/woc/ | C-SVHB | C-SVJB | C-DVJB-P | C-SVVB |

Walter Capto™ – WL copy turn system

Type



NEW



| | | |
|--------------------|-------------------|-------------------|
| Designation | W1011-C...-P | W1010-C...-P |
| Approach angle | 107.5° | 72.5° |
| Clamping system | | |
| Coolant supply | Precision cooling | Precision cooling |
| Walter Capto™ size | C3-C6 | C4-C6 |

Insert size l [mm]

Page in catalog

QR code



www.walter-tools.com/woc/

W1011-C-P

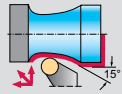
W1010-C-P

Square-shank turning toolholders – Ceramic indexable inserts

Type



Machining



Designation

C...-CRSN...-P

Approach angle

0°

Clamping system

Claw

Coolant supply

Precision cooling

Walter Capto™ size

C6

Insert size l [mm]

12

Insert size l [1/8 inch]

4

Page in catalog

QR code


www.walter-tools.com/woc/

C-CRSN-P

Walter Capto™ turning toolholders – Turning and milling centers

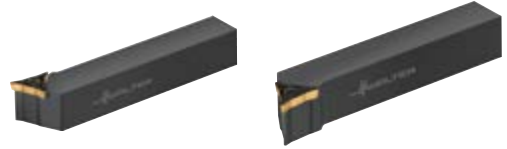
| | | | | |
|--------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------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

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

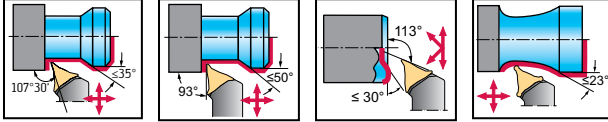
Shank tool – Copy turning system

W1011

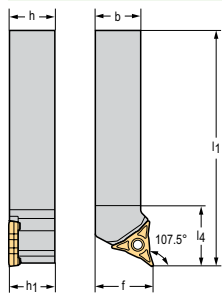
Walter Turn



– With WL form-fit system



Tool



Square shank

| Designation | | h = h ₁ mm | b mm | f mm | l ₁ mm | l ₄ mm | γ | λ _s | Type |
|--------------------|--|--------------------------|---------|---------|----------------------|----------------------|----|----------------|--------|
| W1011-1616R-WL25 | | 25 | 16 | 20 | 100 | 33.5 | 0° | 0° | WL25.. |
| W1011-2020R-WL25 | | 25 | 20 | 25 | 125 | 33.5 | 0° | 0° | |
| W1011-2525R-WL25 | | 25 | 25 | 32 | 150 | 33.5 | 0° | 0° | |
| ★ W1011-3232R-WL25 | | 25 | 32 | 40 | 170 | 30.2 | 0° | 0° | WL25.. |
| W1011-1616L-WL25 | | 25 | 16 | 20 | 100 | 33.5 | 0° | 0° | |
| W1011-2020L-WL25 | | 25 | 20 | 25 | 125 | 33.5 | 0° | 0° | |
| W1011-2525L-WL25 | | 25 | 25 | 32 | 150 | 33.5 | 0° | 0° | |
| ★ W1011-3232L-WL25 | | 25 | 32 | 40 | 170 | 30.2 | 0° | 0° | |

Assembly parts

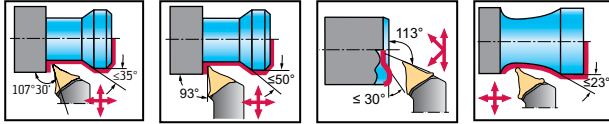
| | Type | WL25.. |
|--|----------------------------------------------------------|------------------------|
| | Clamping screw for indexable insert Tightening torque | FS1495 (T20IP) 5 Nm |
| | Allen key | FS1464 (T20IP) |

Shank tool – Copy turning system

W1011...-P mm

Walter Turn

- Precision cooling
- With WL form-fit system



| Tool | Designation | | h = h ₁ mm | b mm | f mm | l ₁ mm | l ₄ mm | γ | λ _s | Type |
|---------------------|----------------------|--|--------------------------|---------|---------|----------------------|----------------------|----|----------------|--------|
| | | | | | | | | | | |
| <p>Square shank</p> | W1011-2020R-WL17-P | | 17 | 20 | 25 | 125 | 25 | 0° | 0° | WL17.. |
| | ★ W1011-2525R-WL17-P | | 17 | 25 | 32 | 125 | 25 | 0° | 0° | WL25.. |
| | W1011-1616R-WL25-P | | 25 | 16 | 20 | 115 | 30 | 0° | 0° | |
| | W1011-2020R-WL25-P | | 25 | 20 | 25 | 115 | 33.5 | 0° | 0° | |
| | W1011-2525R-WL25-P | | 25 | 25 | 32 | 130 | 33.5 | 0° | 0° | |
| | W1011-3225R-WL25-P | | 25 | 32 | 32 | 140 | 36.5 | 0° | 0° | WL17.. |
| | W1011-2020L-WL17-P | | 17 | 20 | 25 | 125 | 25 | 0° | 0° | |
| | ★ W1011-2525L-WL17-P | | 17 | 25 | 32 | 125 | 25 | 0° | 0° | WL25.. |
| | W1011-1616L-WL25-P | | 25 | 16 | 20 | 115 | 30 | 0° | 0° | |
| | W1011-2020L-WL25-P | | 25 | 20 | 25 | 115 | 33.5 | 0° | 0° | |
| | W1011-2525L-WL25-P | | 25 | 25 | 32 | 130 | 33.5 | 0° | 0° | |
| | W1011-3225L-WL25-P | | 25 | 32 | 32 | 140 | 36.5 | 0° | 0° | |

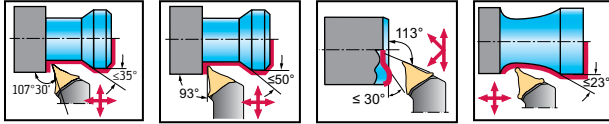
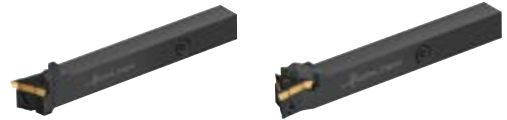
| Assembly parts | | WL17.. | WL25.. |
|----------------|----------------------------------------------------------|-----------------------|------------------------|
| | Clamping screw for indexable insert Tightening torque | FS1457 (T9IP) 2 Nm | FS1495 (T20IP) 5 Nm |
| | G 1/8" threaded plug | FS2258 (SW 2) | FS2258 (SW 2) |
| | M6 threaded plug | FS2288 (SW 3) | FS2288 (SW 3) |
| | Allen key | | FS1464 (T20IP) |
| | Torx key | FS1466 (T9IP) | |

Shank tool – Copy turning system

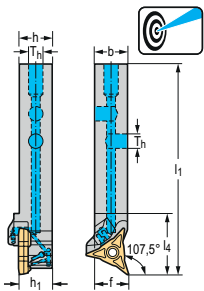
W1011...-S-P inch

Walter Turn

- Precision cooling
- For Swiss Machining



Tool



Square shank

| Designation | | h = h ₁ inch | b inch | f inch | h ₁ inch | l ₄ inch | γ | λ _s | T _h | Type |
|----------------------|--|----------------------------|-----------|-----------|------------------------|------------------------|----|----------------|----------------|--------|
| ★ W1011.08R-WL17-S-P | | 17 | 0.500 | 0.500 | 4.331 | 0.866 | 0° | 0° | UNF 5/16"-24 | WL17.. |
| ★ W1011.10R-WL17-S-P | | 17 | 0.625 | 0.625 | 4.724 | 0.866 | 0° | 0° | G1/8" | |
| ★ W1011.08L-WL17-S-P | | 17 | 0.500 | 0.500 | 4.331 | 0.866 | 0° | 0° | UNF 5/16"-24 | WL17.. |
| ★ W1011.10L-WL17-S-P | | 17 | 0.625 | 0.625 | 4.724 | 0.866 | 0° | 0° | G1/8" | |

Assembly parts

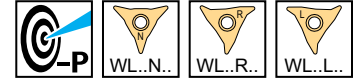
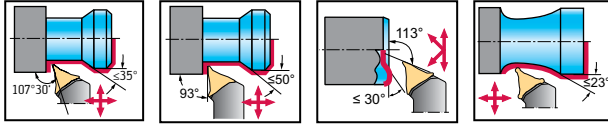
| Type | WL17.. |
|--------------------------------------------------------------|----------------------------|
| Clamping screw for indexable insert Tightening torque | FS1457 (T9IP) 1.475 lbs |
| G 1/8" threaded plug | FS2258 (SW 2) |
| UNF 5/16-24 threaded plug | FS2593 (SW 4) |
| Torx key | FS1466 (T9IP) |

Turning tools – Copy turning system

W1011-C...-P

Walter Turn

- Precision cooling
- Walter Capto™



| Tool | Designation | | d ₁ | D _{min} mm | f mm | l ₄ mm | D _{min2} mm | γ | λ _s | Type |
|----------------------------------------------|--------------------|----|----------------|------------------------|---------|----------------------|-------------------------|----|----------------|--------|
| | | | | | | | | | | |
| Walter Capto™ in acc. with ISO 26623 | ★ W1011-C3R-WL17-P | 17 | C3 | 120 | 22 | 40 | 120 | 0° | 0° | WL17.. |
| | ★ W1011-C4R-WL17-P | 17 | C4 | 200 | 27 | 50 | 200 | 0° | 0° | WL25.. |
| | W1011-C4R-WL25-P | 25 | C4 | 200 | 27 | 50 | 200 | 0° | 0° | |
| | W1011-C5R-WL25-P | 25 | C5 | 200 | 35 | 60 | 200 | 0° | 0° | |
| | W1011-C6R-WL25-P | 25 | C6 | 200 | 45 | 65 | 200 | 0° | 0° | WL17.. |
| | ★ W1011-C3L-WL17-P | 17 | C3 | 120 | 22 | 40 | 120 | 0° | 0° | |
| | ★ W1011-C4L-WL17-P | 17 | C4 | 200 | 27 | 50 | 200 | 0° | 0° | |
| | W1011-C4L-WL25-P | 25 | C4 | 200 | 27 | 50 | 200 | 0° | 0° | WL25.. |
| | W1011-C5L-WL25-P | 25 | C5 | 200 | 35 | 60 | 200 | 0° | 0° | |
| | W1011-C6L-WL25-P | 25 | C6 | 200 | 45 | 65 | 200 | 0° | 0° | |

| Assembly parts | | WL17.. | WL25.. |
|----------------|----------------------------------------------------------|-----------------------|------------------------|
| | Clamping screw for indexable insert Tightening torque | FS1457 (T9IP) 2 Nm | FS1495 (T20IP) 5 Nm |
| | Allen key | | FS1464 (T20IP) |
| | Torx key | FS1466 (T9IP) | |

Boring bars – Negative basic shape

| | | |
|-----------|--|--|
| Type | | |
| Machining | | |



| Designation | A...-DCLN | A...-PCLN | A...-DDUN | A...-PDUN |
|------------------------------------|-------------|------------|-------------|------------|
| Approach angle | 95° | 95° | 93° | 93° |
| Clamping system | Claw | Lever-type | Claw | Lever-type |
| Coolant supply | axial | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | 25–50 | 16–40 | 25–50 | 25–40 |
| Boring bar Ø d ₁ [inch] | 0.750–2.000 | | 0.750–2.000 | |
| Insert size l [mm] | 9–16 | 9–16 | 11–15 | 11–15 |
| Insert size l [1/8 inch] | 3–5 | 3–5 | 3–4 | 3–4 |
| Page in catalog | | | | |

| | | | | |
|--------------------------------------------------------------------------|--------|--------|--------|--------|
| QR code | | | | |
| www.walter-tools.com/woc/ | A-DCLN | A-PCLN | A-DDUN | A-PDUN |


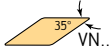

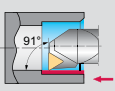
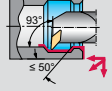
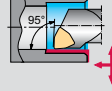



| | | | |
|-----------|--|--|--|
| Type | | | |
| Machining | | | |



| Designation | A...-DDXN | A...-DSKN | A...-PSKN | A...-DTFN |
|------------------------------------|-----------|-----------|------------|-------------|
| Approach angle | 62.5° | 75° | 75° | 91° |
| Clamping system | Claw | Claw | Lever-type | Claw |
| Coolant supply | axial | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | 32–40 | 25–40 | 25–32 | |
| Boring bar Ø d ₁ [inch] | | | | 0.750–2.000 |
| Insert size l [mm] | 11–15 | 12–15 | 12 | 16–22 |
| Insert size l [1/8 inch] | 3–4 | 3–4 | 4 | 3–4 |
| Page in catalog | | | | |

| | | | | |
|--------------------------------------------------------------------------|--------|--------|--------|--------|
| QR code | | | | |
| www.walter-tools.com/woc/ | A-DDXN | A-DSKN | A-PSKN | A-DTFN |

Boring bars – Negative basic shape

| | | | |
|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Type |  |  |  |
| Machining |  |  |  |
| |  |  |  |

| Designation | A...-PTFN | A...-DVUN | A...-DWN | A...-PWN |
|------------------------------------|------------|-------------|-------------|------------|
| Approach angle | 91° | 93° | 95° | 95° |
| Clamping system | Lever-type | Claw | Claw | Lever-type |
| Coolant supply | axial | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | 16–32 | 40 | 25–50 | 20–32 |
| Boring bar Ø d ₁ [inch] | | 1.250–1.500 | 1.000–2.000 | |
| Insert size l [mm] | 11–16 | 16 | 6–10 | 6–8 |
| Insert size l [1/8 inch] | 2–3 | 3 | 3–5 | 3–4 |
| Page in catalog | | | | |

| | | | | |
|---------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| QR code |  |  |  |  |
| | www.walter-tools.com/woc/A-PTFN | www.walter-tools.com/woc/A-DVUN | www.walter-tools.com/woc/A-DWN | www.walter-tools.com/woc/A-PWN |

Boring bars – Positive basic shape

| | | | | |
|------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | A...-SCLC | A...-SCLC...-R | E...-SCLC | E...-SCLC...-R |
| Approach angle | 95° | 95° | 95° | 95° |
| Clamping system | Screw | Screw | Screw | Screw |
| Coolant supply | axial | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | 8–32 | 8–20 | | 8–25 |
| Boring bar Ø d ₁ [inch] | 0.375–1.250 | | 0.375–1.000 | |
| Insert size l [mm] | 6–12 | 6–9 | 6–9 | 6–9 |
| Insert size l [1/8 inch] | 2–4 | 2–3 | 2–3 | 2–3 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/A-SCLC | www.walter-tools.com/woc/A-SCLC-R | www.walter-tools.com/woc/E-SCLC | www.walter-tools.com/woc/E-SCLC-R |

| | | | | |
|------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | A...-SCLP | E...-SCLP | A...-SDQC | A...-SDQC...-R |
| Approach angle | 95° | 95° | 107.5° | 107.5° |
| Clamping system | Screw | Screw | Screw | Screw |
| Coolant supply | axial | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | | | 12–25 | 12–20 |
| Boring bar Ø d ₁ [inch] | 0.312–1.000 | 0.375–0.500 | | |
| Insert size l [mm] | 6–9 | 6 | 7–11 | 7–11 |
| Insert size l [1/8 inch] | 2–3 | 3 | 2–3 | 2–3 |
| Page in catalog | A 296 | A 296 | A 298 | A 298 |
| QR code | | | | |
| | www.walter-tools.com/woc/A-SCLP-E-SCLP | www.walter-tools.com/woc/E-SCLP | www.walter-tools.com/woc/A-SDQC | www.walter-tools.com/woc/A-SDQC-R |

Boring bars – Positive basic shape

| | | | | |
|------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | A...-SDUC...-R | A...-SDJC | A...-SDUC | A...-SDUC...-X |
| Approach angle | 93° | 93° | 93° | 93° |
| Clamping system | Screw | Screw | Screw | Screw |
| Coolant supply | axial | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | 10–20 | 16–25 | 10–32 | 16–32 |
| Boring bar Ø d ₁ [inch] | | | 0.375–1.000 | 1.000–1.250 |
| Insert size l [mm] | 7–11 | 7–11 | 7–11 | 7–11 |
| Insert size l [1/8 inch] | 2–3 | 2–3 | 2–3 | 2–3 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/A-SDUC-R | www.walter-tools.com/woc/A-SDJC | www.walter-tools.com/woc/A-SDUC | www.walter-tools.com/woc/A-SDUC-X |

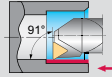
| | | | | |
|------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | E...-SDUC | E...-SDUC...-R | A...-SDXC... | A...-SSKC |
| Approach angle | 93° | 93° | 62.5° | 75° |
| Clamping system | Screw | Screw | Screw | Screw |
| Coolant supply | axial | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | | 10–25 | 12–25 | 16–25 |
| Boring bar Ø d ₁ [inch] | 0.375–1.000 | | | |
| Insert size l [mm] | 7–11 | 7–11 | 7–11 | 9–12 |
| Insert size l [1/8 inch] | 2–3 | 2–3 | 2–3 | 3–4 |
| Page in catalog | | | | |
| QR code | | | | |
| | www.walter-tools.com/woc/E-SDUC | www.walter-tools.com/woc/E-SDUC-R | www.walter-tools.com/woc/A-SDXC | www.walter-tools.com/woc/A-SSKC |

Boring bars – Positive basic shape

Type



Machining



| Designation | A...-STFC | A...-STFC...-R | E...-STFC | E...-STFC...-R |
|------------------------------------|-------------|----------------|-------------|----------------|
| Approach angle | 91° | 91° | 91° | 91° |
| Clamping system | Screw | Screw | Screw | Screw |
| Coolant supply | axial | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | 6–32 | 6–16 | | 6–25 |
| Boring bar Ø d ₁ [inch] | 0.375–1.250 | | 0.375–1.000 | |
| Insert size l [mm] | 6–16 | 6–11 | 9–16 | 6–16 |
| Insert size l [1/8 inch] | 2–5 | 2–3 | 3–5 | 2–5 |
| Page in catalog | | | | |

QR code


www.walter-tools.com/woc/

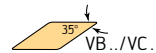
A-STFC

A-STFC-R

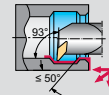
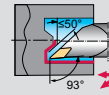
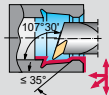
E-STFC

E-STFC-R

Type



Machining



| Designation | A...-SVQB | A...-SVQB...-R | A...-SVJB | A...-SVUB |
|------------------------------------|-----------|----------------|-----------|-------------|
| Approach angle | 107.5° | 107.5° | 93° | 93° |
| Clamping system | Screw | Screw | Screw | Screw |
| Coolant supply | axial | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | 16–40 | 16–20 | 16–20 | 16–40 |
| Boring bar Ø d ₁ [inch] | | | | 0.625–1.500 |
| Insert size l [mm] | 11–16 | 11 | 11 | 11–16 |
| Insert size l [1/8 inch] | 3–5 | 3 | 3 | 3–5 |
| Page in catalog | | | | |

QR code


www.walter-tools.com/woc/

A-SVQB

A-SVQB-R

A-SVJB

A-SVUB

Boring bars – Positive basic shape

| | | |
|-----------|--|--|
| Type | | |
| Machining | | |



| | | | |
|------------------------------------|----------------|-------------|-------------|
| Designation | A...-SVUB...-R | E...-SWLC | A...-SWLC |
| Approach angle | 93° | 95° | 95° |
| Clamping system | Screw | Screw | Screw |
| Coolant supply | axial | axial | axial |
| Boring bar Ø d ₁ [mm] | 16–20 | | 10–25 |
| Boring bar Ø d ₁ [inch] | | 0.375–0.500 | 0.375–1.000 |
| Insert size l [mm] | 11 | 4 | 4–8 |
| Insert size l [1/8 inch] | 3 | 2 | 2–4 |
| Page in catalog | | | |

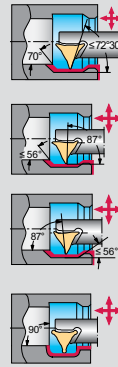
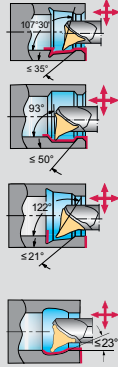
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| QR code | | | |
| | www.walter-tools.com/woc/A-SVUB-R | www.walter-tools.com/woc/E-SWLC | www.walter-tools.com/woc/A-SWLC |

Boring bars – WL Copy turning system

Type



Machining



NEW



| Designation | W1211 | W1210 |
|-------------------------------------|-------------|----------|
| Approach angle | 107.5° | 72.5° |
| Clamping system | Screw | Screw |
| Coolant supply | Internal | Internal |
| Boring bar $\varnothing d_1$ [mm] | 12–40 | 12–40 |
| Boring bar $\varnothing d_1$ [inch] | 0.500–1.250 | |
| Insert size l [mm] | 17–25 | 17–25 |
| Page in catalog | 68 | |

QR code


www.walter-tools.com/woc/

W1211

W1210

Boring bar adaptor

| | |
|-----------|--|
| Type | |
| Machining | |


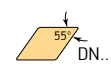
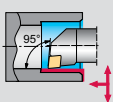
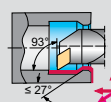


| | |
|--------------------------|-----------|
| Designation | A2140-W |
| Approach angle | |
| Clamping system | null _x_ |
| Coolant supply | axial |
| Shank size h [mm] | 14.2-38.5 |
| Shank size h [Inch] | |
| Insert size l [mm] | |
| Insert size l [1/8 inch] | |
| Page in catalog | |

QR code

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| www.walter-tools.com/woc/ | A2140-W |
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


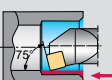
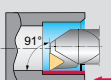
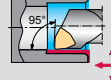
Walter Capto™ boring bars – Negative basic shape

| | | |
|-----------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Type |  |  |
| Machining |  |  |



| Designation | C...-DCLN | C...-PCLN | C...-DDUN | C...-PDUN |
|----------------------------------|-----------|------------|-----------|------------|
| Approach angle | 95° | 95° | 93° | 93° |
| Clamping system | Claw | Lever-type | Claw | Lever-type |
| Coolant supply | Internal | axial | Internal | axial |
| Walter Capto™ size | C4–C6 | C3–C6 | C4–C6 | C3–C6 |
| Boring bar Ø d ₂ [mm] | 25–40 | 25–50 | 25–40 | 25–50 |
| Insert size l [mm] | 12–16 | 12–16 | 11–15 | 11–15 |
| Insert size l [1/8 inch] | 4–5 | 4–5 | 3–4 | 3–4 |
| Page in catalog | | | | |

| | | | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| QR code |  |  |  |  |
| www.walter-tools.com/woc/ | C-DCLN | C-PCLN | C-DDUN | C-PDUN |

| | | | |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Type |  |  |  |
| Machining |  |  |  |



| Designation | C...-PSKN | C...-PTFN | C...-DWLN | C...-PWLN |
|----------------------------------|------------|------------|-----------|------------|
| Approach angle | 75° | 91° | 95° | 95° |
| Clamping system | Lever-type | Lever-type | Claw | Lever-type |
| Coolant supply | axial | axial | Internal | Internal |
| Walter Capto™ size | C5–C6 | C4–C6 | C4–C6 | C3–C6 |
| Boring bar Ø d ₂ [mm] | 40–50 | 25–50 | 20–40 | 20–50 |
| Insert size l [mm] | 12–15 | 16–22 | 6–10 | 6–8 |
| Insert size l [1/8 inch] | 4–5 | 3–4 | 3–5 | 3–4 |
| Page in catalog | | | | |

| | | | | |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| QR code |  |  |  |  |
| www.walter-tools.com/woc/ | C-PSKN | C-PTFN | C-DWLN | C-PWLN |

Walter Capto™ boring bars – Positive basic shape

| | | | | |
|-----------|--|--|--|--|
| Type | | | | |
| Machining | | | | |



| Designation | C...-SCLC | C...-SDUC | C...-STFC | C...-SVQB |
|-----------------------------------|-----------|-----------|-----------|-----------|
| Approach angle | 95° | 93° | 91° | 107.5° |
| Clamping system | Screw | Screw | Screw | Screw |
| Coolant supply | axial | axial | axial | axial |
| Walter Capto™ size | C3–C5 | C3–C5 | C4–C5 | C3–C6 |
| Boring bar $\varnothing d_2$ [mm] | 16–40 | 16–40 | 16–32 | 16–50 |
| Insert size l [mm] | 9–12 | 7–11 | 11–16 | 11–16 |
| Insert size l [1/8 inch] | 3–4 | 2–3 | 2–3 | 2–3 |
| Page in catalog | | | | |

| | | | | |
|--------------------------------------------------------------------------|--------|--------|--------|--------|
| QR code | | | | |
| www.walter-tools.com/woc/ | C-SCLC | C-SDUC | C-STFC | C-SVQB |

Vibration-damped boring bar adaptor



Cylinder shaft adaptor –
vibration damped



Cylinder shaft adaptor –
vibration damped



Walter Capto™ Adaptor –
vibration damped



Walter Capto™ Adaptor –
vibration damped

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

Page in catalog

QR code



A3000



A3001



A3000-C



A3001-C

www.walter-tools.com/woc/



HSK-T adaptor – vibration
damped



HSK-T adaptor – vibration
damped

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

Page in catalog

QR code



A3000-HSK-T



A3001-HSK-T

www.walter-tools.com/woc/

Boring bar adaptor – QuadFit



Cylindrical shank - QuadFit

| | | |
|---------------------|--------------------------------------|--|
| Designation | A2100 | |
| Machine-side | Parallel shank with clamping surface | |
| Tool-side | Q40 - QL60 | |

Page in catalog

QR code



www.walter-tools.com/woc/

A2100

Intermediate adaptors – QuadFit Large

| | | |
|-----------|--|--|
| Type | | |
| Machining | | |



| | | |
|---------------------|------------|--|
| Designation | A2201 | |
| Approach angle | | |
| Clamping system | | |
| Coolant supply | Internal | |
| Shank size h [mm] | QL100–QL80 | |
| Shank size h [Inch] | QL64–QL76 | |
| Insert size l [mm] | | |
| Page in catalog | | |

QR code



www.walter-tools.com/woc/

A2201

QuadFit exchangeable head – Negative basic shape

| | | | |
|-----------|--|--|--|
| Type | | | |
| Machining | | | |



| | | | |
|--------------------------|-----------|-----------|-----------|
| Designation | Q...-DCLN | Q...-DDUN | Q...-DWLN |
| Approach angle | 95° | 93° | 95° |
| Clamping system | Claw | Claw | Claw |
| Coolant supply | axial | axial | axial |
| QuadFit size | Q32-Q50 | Q32-Q50 | Q32-Q50 |
| Insert size l [mm] | 12-16 | 11-15 | 6-8 |
| Insert size l [1/8 inch] | 4-5 | 3-4 | 3-4 |
| Page in catalog | A 356 | A 357 | A 358 |

| | | | |
|--------------------------------------------------------------------------|--------|--------|--------|
| QR code | | | |
| www.walter-tools.com/woc/ | Q-DCLN | Q-DDUN | Q-DWLN |

QuadFit exchangeable head – Positive basic shape

| | | | | |
|--------------------------------------------------------------------------|-----------|-----------|-----------|----------------|
| Type | | | | |
| Machining | | | | |
| | | | | |
| Designation | Q...-SCLC | Q...-SDUC | Q...-SDXC | Q...-SDUC...-X |
| Approach angle | 95° | 93° | 62,5° | 32° |
| Clamping system | Screw | Screw | Screw | Screw |
| Coolant supply | axial | axial | axial | axial |
| QuadFit size | Q25–Q50 | Q25–Q50 | Q25–Q50 | Q25–Q50 |
| Insert size l [mm] | 9–12 | 11 | 11 | 11 |
| Insert size l [1/8 inch] | 3–4 | 3 | 3 | 3 |
| Page in catalog | | | | |
| QR code | | | | |
| www.walter-tools.com/woc/ | Q-SCLC | Q-SDUC | Q-SDXC | Q-SDUC-X |

| | | |
|--------------------------------------------------------------------------|-----------|-----------|
| Type | | |
| Machining | | |
| | | |
| Designation | Q...-STFC | Q...-SVUB |
| Approach angle | 91° | 93° |
| Clamping system | Screw | Screw |
| Coolant supply | axial | axial |
| QuadFit size | Q25–Q50 | Q25–Q50 |
| Insert size l [mm] | 11–16 | 11–16 |
| Insert size l [1/8 inch] | 2–3 | 2–3 |
| Page in catalog | | |
| QR code | | |
| www.walter-tools.com/woc/ | Q-STFC | Q-SVUB |

QuadFit exchangeable head – WL copy turning system

Type



Machining



| | |
|---------------------|-------------------|
| Designation | W1211-Q... |
| Approach angle | 107.5° |
| Clamping system | Screw |
| Coolant supply | Precision cooling |
| Shank size h [mm] | Q32-Q50 |
| Shank size h [Inch] | |
| Insert size l [mm] | 25 |
| Page in catalog | |

QR code



www.walter-tools.com/woc/

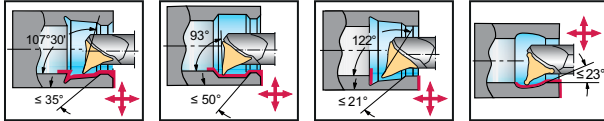
W1211-Q

Boring bar – Copy turning system

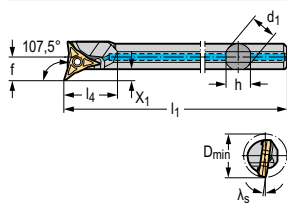
W1211 inch



- Double internal coolant supply
- With WL form-fit system



Tool



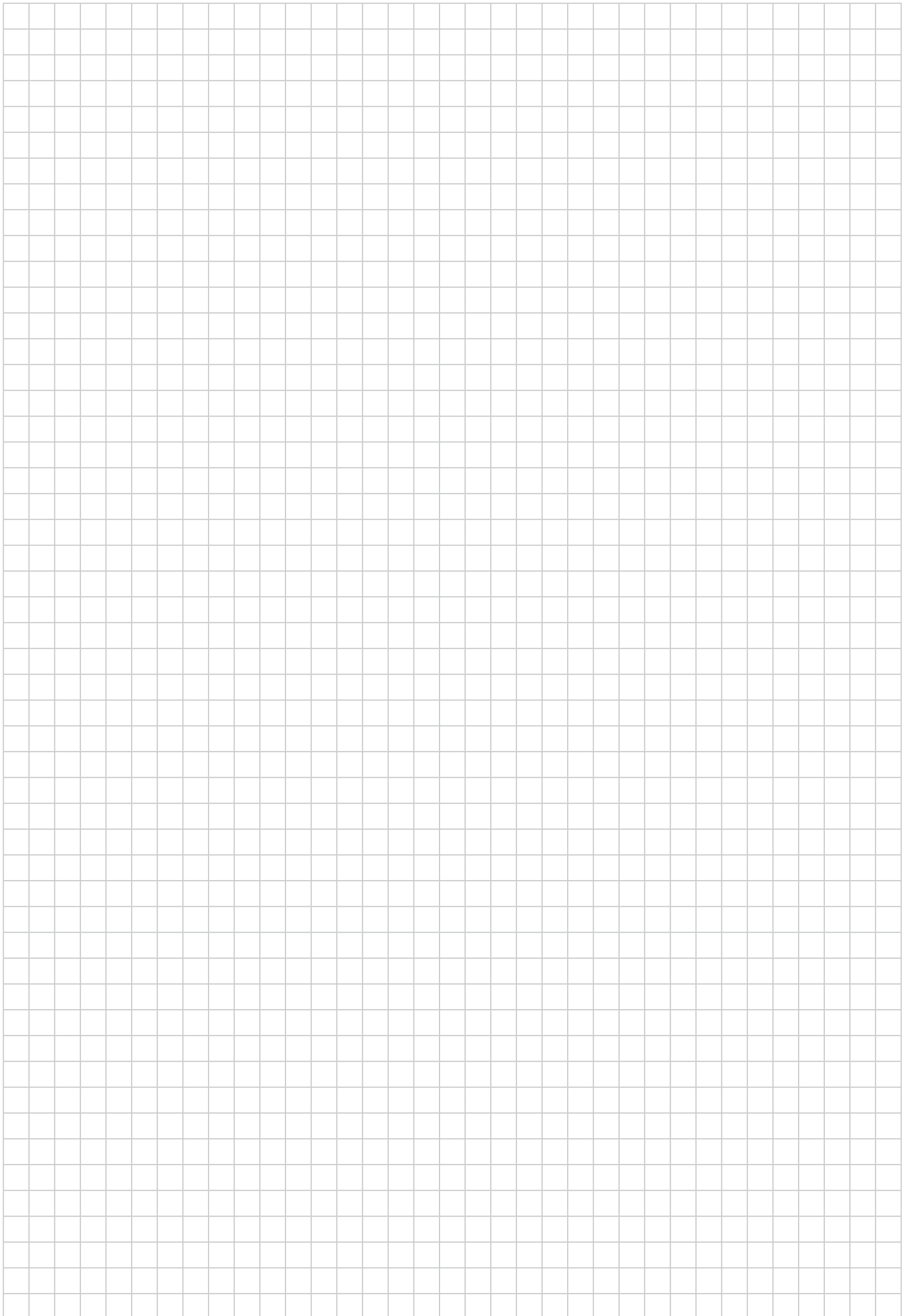
| Designation | | d ₁ inch | D _{min} inch | f inch | h inch | l ₁ inch | l ₄ inch | X ₁ inch | γ | λ _s | Type | |
|-------------------|--|------------------------|--------------------------|-----------|-----------|------------------------|------------------------|------------------------|-------|----------------|------|--------|
| ★ W1211.08MR-WL17 | | 17 | 0.500 | 0.709 | 0.394 | 0.480 | 6.000 | 0.906 | 0.144 | -3.2° | 7.5° | WL17.. |
| ★ W1211.10RR-WL17 | | 17 | 0.625 | 0.787 | 0.433 | 0.593 | 8.000 | 0.906 | 0.12 | -3.2° | 7.5° | WL17.. |
| ★ W1211.12SR-WL17 | | 17 | 0.750 | 0.984 | 0.551 | 0.729 | 10.000 | 1.083 | 0.176 | -3.2° | 7.5° | WL17.. |
| ★ W1211.08ML-WL17 | | 17 | 0.500 | 0.709 | 0.394 | 0.480 | 6.000 | 0.906 | 0.144 | -3.2° | 7.5° | WL17.. |
| ★ W1211.10RL-WL17 | | 17 | 0.625 | 0.787 | 0.433 | 0.593 | 8.000 | 0.906 | 0.12 | -3.2° | 7.5° | WL17.. |
| ★ W1211.12SL-WL17 | | 17 | 0.750 | 0.984 | 0.551 | 0.729 | 10.000 | 1.083 | 0.176 | -3.2° | 7.5° | WL17.. |

Parallel shank with clamping surface











Dimensional drawing shows right-hand version. | Measured with master insert: WL17-VC050804N-FM4 | The maximum recommended coolant pressure is 80 bar (1160 psi) | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery











Assembly parts

| | Type d ₁ [inch] | WL17.. 0.5–0.75 |
|--|----------------------------------------------------------|----------------------------|
| | Clamping screw for indexable insert Tightening torque | FS1457 (T9IP) 1.475 lbs |
| | Torx key | FS1466 (T9IP) |























Cutting inserts

| System | MX | | | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Machining | Low feed | | Medium feed | | |
| Geometry |  |  |  |  |  |
| | GD8 | VG8 | CF5 | RF5 | A60 |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ●● | ●● | ●● | ● | ● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | | | | | |
| O Other | | | ● | | |
| Insert width s in [mm] | 0.020–0.128 [0.5–3.25] | 0.110 [2.8] | 0.032–0.197 [0.8–5.0] | 0.062–0.197 [1.57–5.0] | |
| a _p in [mm] | | | | | |
| f in [mm] | 0.001–0.006 [0.02–0.15] | 0.002–0.005 [0.05–0.12] | 0.001–0.010 [0.02–0.25] | 0.002–0.01 [0.04–0.25] | |
| Page in catalog | | | | | 86 |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | GD8 | VG8 | CF5 | RF5 | A60 |

| System | MX | | | DX | |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Machining | Low feed | | | | |
| Geometry |  |  |  |  |  |
| | AG60 | ISO | .X.-N | CK8 | CF6 |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ● | ●● |
| K Cast iron | ● | ● | ●● | ● | ●● |
| N NF metals | ● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ● | ●● |
| H Hard materials | | | ●● | | |
| O Other | | | ● | | ● |
| Insert width s in [mm] | | | 0.132–0.222 [3.35–5.65] | 0.059–0.158 [1.5–4.0] | 0.039–0.118 [1.0–3.0] |
| a _p in [mm] | | | | | |
| f in [mm] | | | | 0.002–0.009 [0.04–0.22] | 0.001–0.009 [0.03–0.23] |
| Page in catalog | 86 | | | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | AG60 | ISO | -X.-N | CK8 | CF6 |

Cutting inserts






| System | DX | | | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Machining | Low feed | | | | Medium feed |
| Geometry |  |  |  |  |  |
| | GD8 | GD3 | UF8 | UF7 | CF5 |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ●● | ● | ●● | ● | ●● |
| S Materials with difficult cutting properties | ●● | ● | ●● | ●● | ●● |
| H Hard materials | | | | | |
| O Other | | ● | | | ● |
| Insert width s in [mm] | 0.039–0.055 [1.0–1.4] | 0.079–0.158 [2.0–4.0] | 0.063–0.167 [1.6–4.25] | 0.079–0.158 [2.0–4.0] | 0.039–0.118 [1.0–3.0] |
| a _p in [mm] | | | 0.012–0.087 [0.3–2.2] | 0.012–0.087 [0.3–2.2] | |
| f in [mm] | 0.002–0.004 [0.05–0.10] | 0.002–0.009 [0.04–0.23] | 0.002–0.012 [0.05–0.30] | 0.002–0.012 [0.05–0.30] | 0.001–0.010 [0.03–0.25] |
| Page in catalog | | 85 | | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | GD8 | GD3 | UF8 | UF7 | CF5 |

| System | DX | | | | |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Machining | Medium feed | | | | High feed |
| Geometry |  |  |  |  |  |
| | GD6 | UF4 | RF8 | RF7 | CE4 |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ● |
| K Cast iron | ● | ●● | ● | ● | ●● |
| N NF metals | ● | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ●● | ● | ●● | ●● | ● |
| H Hard materials | | | | | ● |
| O Other | | | | | |
| Insert width s in [mm] | 0.079–0.158 [2.0–4.0] | 0.079–0.158 [2.0–4.0] | 0.118 [3.0] | 0.079–0.158 [2.0–4.0] | 0.047–0.118 [1.2–3.0] |
| a _p in [mm] | | 0.012–0.110 [0.3–2.8] | 0.004–0.039 [0.1–1.0] | 0.004–0.079 [0.1–2.0] | |
| f in [mm] | 0.002–0.011 [0.04–0.27] | 0.004–0.011 [0.10–0.27] | 0.003–0.010 [0.08–0.26] | 0.003–0.019 [0.08–0.48] | 0.001–0.011 [0.03–0.27] |
| Page in catalog | | 87 | | | 85 |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | GD6 | UF4 | RF8 | RF7 | CE4 |

WALTER SELECT

●● Primary application ● Other application

Cutting inserts

| System | DX | | | GD | |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Machining | High feed | | | Low feed | |
| Geometry |  |  |  |  |  |
| | UD4 | UA4 | RD4 | CF6 | GD3 |
| P Steel | ●● | | ●● | ●● | ●● |
| M Stainless steel | ● | | ● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | | ● |
| N NF metals | | | | ●● | ● |
| S Materials with difficult cutting properties | | | ● | ●● | ● |
| H Hard materials | | ● | | | |
| O Other | | | | ● | ● |
| Insert width s in [mm] | 0.079–0.158 [2.0–4.0] | 0.079–0.158 [2.0–4.0] | 0.079–0.118 [2.0–3.0] | 0.118 [3.0] | 0.118–0.236 [3.0–6.0] |
| a _p in [mm] | 0.012–0.110 [0.3–2.8] | 0.012–0.110 [0.3–2.8] | 0.008–0.059 [0.2–1.5] | | |
| f in [mm] | 0.004–0.011 [0.09–0.27] | 0.003–0.015 [0.08–0.38] | 0.003–0.015 [0.08–0.38] | 0.002–0.010 [0.06–0.26] | 0.002–0.015 [0.06–0.38] |
| Page in catalog | | | | 80 | 81 |

QR code


www.walter-tools.com/woc/






UD4

UA4

RD4

CF6

GD3

| System | GD | | | | |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Machining | Low feed | Medium feed | | | |
| | NEW  | NEW  |  | NEW  | NEW  |
| Geometry | UF8 | CF5 | GD6 | UE6 | UF4 |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ●● |
| N NF metals | ●● | ●● | ● | ● | ● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ● |
| H Hard materials | | | | | |
| O Other | | ● | | ● | |
| Insert width s [mm] | 0.118–0.236 [3.0–6.0] | 0.098–0.236 [2.5–6.0] | 0.118–0.236 [3.0–6.0] | 0.118–0.236 [3.0–6.0] | 0.118–0.250 [3.0–6.35] |
| a _p [mm] | 0.004 [0.1] | | 0.012–0.138 [0.3–3.5] | 0.008 [0.2] | 0.004–0.138 [0.1–3.5] |
| f [mm] | 0.003–0.014 [0.08–0.36] | 0.002–0.015 [0.06–0.38] | 0.004–0.016 [0.10–0.40] | 0.004–0.015 [0.09–0.38] | 0.004–0.016 [0.09–0.40] |
| Page in catalog | 81 | 80 | 81 | 82 | 82 |

QR code


www.walter-tools.com/woc/

UF8

CF5

GD6






UE6

UF4


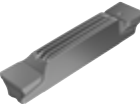



WALTER SELECT

●● Primary application ● Other application

Cutting inserts

| System | GD | | | | |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Machining | Medium feed | | High feed | | |
| | NEW  | NEW  | NEW  |  |  |
| Geometry | RF8 | RE6 | CE4 | UD4 | UA4 |
| P Steel | ●● | ●● | ●● | ●● | |
| M Stainless steel | ●● | ●● | ● | ● | |
| K Cast iron | ● | ●● | ●● | ●● | ●● |
| N NF metals | ● | ● | ● | | |
| S Materials with difficult cutting properties | ●● | ●● | ● | | |
| H Hard materials | | ● | ● | | ● |
| O Other | | ● | | | |
| Insert width s [mm] | 0.118–0.236 [3.0–6.0] | 0.118–0.236 [3.0–6.0] | 0.098–0.236 [2.5–6.0] | 0.118–0.236 [3.0–6.0] | 0.118–0.236 [3.0–6.0] |
| a _p [mm] | 0.004–0.118 [0.1–3.0] | 0.004 [0.1] | | 0.016–0.138 [0.4–3.5] | 0.016–0.138 [0.4–3.5] |
| f [mm] | 0.003–0.026 [0.08–0.65] | 0.003–0.027 [0.08–0.68] | 0.003–0.016 [0.07–0.40] | 0.004–0.016 [0.10–0.40] | 0.004–0.016 [0.10–0.40] |
| Page in catalog | 83 | 83 | 80 | 82 | 83 |






| QR code |  |  |  |  |  |
|---------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| www.walter-tools.com/woc/ | RF8 | RE6 | CE4 | UD4 | UA4 |

| System | GD | | GX | | |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Machining | High feed | | Low feed | | |
| | NEW  | NEW  |  |  |  |
| Geometry | RD4 | .X..N | CK8 | CF6 | GD8 |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ● | ●● | ● | ●● | ●● |
| K Cast iron | ●● | ●● | | | ● |
| N NF metals | | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ● | ●● | ● | ●● | ●● |
| H Hard materials | | ●● | | | |
| O Other | | ● | | ● | |
| Insert width s [mm] | 0.118–0.250 [3.0–6.35] | 0.169–0.315 [4.3–8.0] | 0.079–0.158 [2.0–4.0] | 0.059–0.118 [1.5–3.0] | 0.039–0.055 [1.0–1.4] |
| a _p [mm] | 0.020–0.126 [0.5–3.2] | | | | |
| f [mm] | 0.004–0.028 [0.10–0.70] | | 0.002–0.009 [0.04–0.22] | 0.001–0.009 [0.03–0.23] | 0.002–0.004 [0.05–0.10] |
| Page in catalog | 83 | 84 | | | |






| QR code |  |  |  |  |  |
|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| www.walter-tools.com/woc/ | RD4 | -X-N | CK8 | CF6 | GD8 |

WALTER SELECT ●● Primary application ● Other application

Cutting inserts




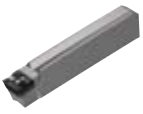

| System | GX | | | | |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Machining | Low feed | | | | |
| |  |  |  |  |  |
| Geometry | GD3 | UF8 | VG7 | RK8 | TM-1 |
| P Steel | ●● | ●● | ●● | | |
| M Stainless steel | ●● | ●● | ●● | | |
| K Cast iron | ● | ● | ● | | |
| N NF metals | ● | ●● | ●● | ●● | |
| S Materials with difficult cutting properties | ● | ●● | ●● | | |
| H Hard materials | | | | | ●● |
| O Other | ● | | | ● | |
| Insert width s [mm] | 0.079–0.236 [2.0–6.0] | 0.063–0.236 [1.6–6.0] | 0.110 [2.8] | 0.236 [6.0] | 0.118–0.236 [3.0–6.0] |
| a _p [mm] | | 0.012–0.126 [0.3–3.2] | 0.008–0.098 [0.2–2.5] | 0.004–0.158 [0.1–4.0] | 0.002–0.118 [0.05–3.0] |
| f [mm] | 0.002–0.011 [0.04–0.28] | 0.002–0.014 [0.05–0.35] | 0.002–0.010 [0.05–0.25] | 0.004–0.024 [0.10–0.60] | 0.001–0.006 [0.02–0.15] |
| Page in catalog | 85 | | | | |

| | | | | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | GD3 | UF8 | VG7 | RK8 | TM-1 |

| System | GX | | | | |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Machining | Low feed | Medium feed | | | |
| |  |  |  |  |  |
| Geometry | EM-1 | CF5 | GD6 | UD6 | UF4 |
| P Steel | | ●● | ●● | ● | ●● |
| M Stainless steel | | ●● | ●● | ●● | ●● |
| K Cast iron | | ● | ● | | ●● |
| N NF metals | | ●● | ● | ● | ● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | | ● |
| H Hard materials | | | | | |
| O Other | | ● | | | |
| Insert width s [mm] | 0.118–0.236 [3.0–6.0] | 0.079–0.197 [2.0–5.0] | 0.079–0.236 [2.0–6.0] | 0.079–0.236 [2.0–6.0] | 0.079–0.315 [2.0–8.0] |
| a _p [mm] | 0.002–0.118 [0.05–3.0] | | | 0.012–0.138 [0.3–3.5] | 0.012–0.158 [0.3–4.0] |
| f [mm] | 0.004–0.012 [0.10–0.30] | 0.001–0.010 [0.03–0.25] | 0.002–0.012 [0.04–0.30] | 0.002–0.014 [0.06–0.35] | 0.004–0.022 [0.10–0.55] |
| Page in catalog | | | | | 87 |

| | | | | | |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | EM-1 | CF5 | GD6 | UD6 | UF4 |

Cutting inserts

| System | GX | | | | |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Machining | Medium feed | | | | |
| |  |  |  |  |  |
| Geometry | RF8 | RF7 | FS-M1 | FS-F1 | AF5 |
| P Steel | ●● | ●● | | | ●● |
| M Stainless steel | ●● | ●● | | | ●● |
| K Cast iron | ● | ● | | | ● |
| N NF metals | ● | ● | ●● | ●● | ● |
| S Materials with difficult cutting properties | ●● | ●● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | | | ●● | ●● | |
| Insert width s [mm] | 0.079–0.315 [2.0–8.0] | 0.118–0.197 [3.0–5.0] | 0.079–0.236 [2.0–6.0] | 0.079–0.236 [2.0–6.0] | 0.197 [5.0] |
| a _p [mm] | 0.004–0.158 [0.1–4.0] | 0.004–0.098 [0.1–2.5] | 0.004–0.118 [0.1–3.0] | | 0.020 [0.5] |
| f [mm] | 0.002–0.024 [0.05–0.60] | 0.004–0.021 [0.10–0.53] | 0.002–0.020 [0.05–0.50] | 0.002–0.011 [0.04–0.28] | 0.006–0.012 [0.15–0.30] |
| Page in catalog | | | | | |

QR code



www.walter-tools.com/woc/





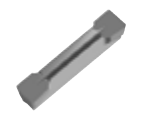
RF8

RF7

FS-M1

FS-F1

AF5

| System | GX | | | | |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Machining | High feed | | | | |
| |  |  |  |  |  |
| Geometry | CE4 | UD4 | UA4 | RD4 | .X..N |
| P Steel | ●● | ●● | | ●● | ●● |
| M Stainless steel | ● | ● | | ● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ● | | | | ●● |
| S Materials with difficult cutting properties | ● | | | ● | ●● |
| H Hard materials | ● | | ● | | ●● |
| O Other | | | | | ● |
| Insert width s [mm] | 0.079–0.236 [2.0–6.0] | 0.079–0.315 [2.0–8.0] | 0.079–0.236 [2.0–6.0] | 0.079–0.315 [2.0–8.0] | 0.189–0.406 [4.8–10.3] |
| a _p [mm] | | 0.012–0.158 [0.3–4.0] | 0.012–0.138 [0.3–3.5] | 0.008–0.158 [0.2–4.0] | |
| f [mm] | 0.002–0.016 [0.04–0.40] | 0.004–0.016 [0.10–0.40] | 0.003–0.016 [0.08–0.40] | 0.003–0.032 [0.08–0.80] | |
| Page in catalog | 85 | | | | |

QR code



www.walter-tools.com/woc/

CE4

UD4

UA4






RD4

-X-N

WALTER SELECT

●● Primary application ● Other application

Cutting inserts

| System | SX | | | | |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Machining | Low feed | | | Medium feed | |
| Geometry |  |  |  |  |  NEW |
| CK8 | CF6 | SK8 | CF5 | UF4 | |
| P Steel | •• | •• | •• | •• | •• |
| M Stainless steel | • | •• | •• | •• | •• |
| K Cast iron | •• | •• | •• | • | •• |
| N NF metals | •• | •• | •• | •• | • |
| S Materials with difficult cutting properties | • | •• | • | •• | • |
| H Hard materials | | | | | |
| O Other | | • | | • | |
| Insert width s [mm] | 0.079–0.197 [2.0–5.0] | 0.079–0.118 [2.0–3.0] | 0.059–0.158 [1.5–4.0] | 0.059–0.236 [1.5–6.0] | 0.315 [8.0] |
| a _p [mm] | | | | | 0.035–0.158 [0.9–4.0] |
| f [mm] | 0.002–0.010 [0.04–0.25] | 0.001–0.009 [0.03–0.23] | 0.001–0.008 [0.03–0.20] | 0.001–0.012 [0.03–0.30] | 0.007–0.022 [0.18–0.55] |
| Page in catalog | | | | | 87 |

QR code


www.walter-tools.com/woc/






CK8

CF6

SK8

CF5

UF4

| System | SX | | UX | WT | |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Machining | Medium feed | | High feed | Low feed | |
| Geometry |  |  |  NEW |  NEW |  |
| SF5 | SE6 | CE4 | GD2 | CD8 | |
| P Steel | •• | •• | •• | •• | •• |
| M Stainless steel | •• | • | • | •• | •• |
| K Cast iron | • | •• | •• | •• | • |
| N NF metals | •• | • | • | •• | •• |
| S Materials with difficult cutting properties | •• | • | • | •• | •• |
| H Hard materials | | • | • | | |
| O Other | • | | | | |
| Insert width s [mm] | 0.059–0.197 [1.5–5.0] | 0.197 [5.0] | 0.059–0.394 [1.5–10.0] | 0.472–0.748 [12.0–19.0] | 0.028–0.079 [0.7–2.0] |
| a _p [mm] | | | | | |
| f [mm] | 0.001–0.010 [0.03–0.25] | 0.004–0.010 [0.10–0.25] | 0.001–0.024 [0.03–0.60] | 0.008–0.024 [0.20–0.60] | 0.001–0.006 [0.02–0.14] |
| Page in catalog | | | 85 | 88 | |

QR code


www.walter-tools.com/woc/

SF5

SE6

CE4

GD2

CD8

WALTER SELECT

•• Primary application • Other application






Cutting inserts

| System | WT | | | | |
|------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Machining | Low feed | | | | |
| | | | | | |
| Geometry | GD8 | DG8 | UA8 | VG8 | RA8 |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | | | | | |
| O Other | | | | | |
| Insert width s [mm] | 0.020–0.098 [0.5–2.5] | 0.118 [3.0] | 0.039–0.098 [1.0–2.5] | 0.118 [3.0] | 0.049–0.063 [1.25–1.6] |
| a_p [mm] | | 0.004–0.158 [0.1–4.0] | 0.004–0.118 [0.1–3.0] | 0.004–0.158 [0.1–4.0] | 0.002–0.032 [0.05–0.8] |
| f [mm] | 0.001–0.006 [0.02–0.16] | 0.001–0.006 [0.02–0.16] | 0.001–0.006 [0.02–0.16] | 0.001–0.006 [0.02–0.16] | 0.001–0.006 [0.02–0.14] |
| Page in catalog | | | | | |
| QR code | | | | | |
| | www.walter-tools.com/woc/GD8 | www.walter-tools.com/woc/DG8 | www.walter-tools.com/woc/UA8 | www.walter-tools.com/woc/VG8 | www.walter-tools.com/woc/RA8 |

| System | WT | | |
|------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Machining | | | |
| | | | |
| Geometry | AG60 | ISO | .X..N |
| P Steel | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● |
| K Cast iron | ● | ● | ●● |
| N NF metals | ● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● |
| H Hard materials | | | ●● |
| O Other | | | ● |
| Insert width s [mm] | | | 0.118 [3.0] |
| a_p [mm] | | | |
| f [mm] | | | |
| Page in catalog | | | |
| QR code | | | |
| | www.walter-tools.com/woc/AG60 | www.walter-tools.com/woc/ISO | www.walter-tools.com/woc/.X..N |

WALTER SELECT ●● Primary application ● Other application

Cutting inserts

| System | WE..-G | WE..-GR | WE..-GP | WE..-T | WE..-T..X |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Machining | | | | | |
| |  |  |  |  |  |
| Geometry | G | GR | GP | T | T-X |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ●● | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | ● | ● | ● | ● | ● |
| O Other | ● | ● | ● | ● | ● |
| Insert width s [mm] | 0.028–0.125 [0.7–3.18] | 0.032–0.118 [0.8–3.0] | 0.039 [1.0] | | |
| a _p [mm] | | | | 0.002–0.012 [0.05–0.3] | 0.002–0.012 [0.05–0.3] |
| f [mm] | 0.0004–0.002 [0.01–0.04] | 0.0004–0.002 [0.01–0.04] | 0.0004–0.002 [0.01–0.04] | 0.001–0.004 [0.02–0.10] | 0.001–0.004 [0.02–0.10] |
| Page in catalog | | | | | |

QR code


www.walter-tools.com/woc/






G

GR

GP

T

T-X

| System | WE..-C | WE..-B | WE..-A | WE..-AR | WE..-AC |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Machining | | | | | |
| |  |  |  |  |  |
| Geometry | C | B | A | AR | AC |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ● | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | ● | ● | ● | ● | ● |
| O Other | ● | ● | ● | ● | ● |
| Insert width s [mm] | | | 0.039–0.118 [1.0–3.0] | 0.059–0.118 [1.5–3.0] | 0.039–0.118 [1.0–3.0] |
| a _p [mm] | 0.002 [0.05] | 0.002 [0.05] | | | |
| f [mm] | 0.001–0.004 [0.02–0.10] | 0.001–0.004 [0.02–0.10] | 0.0004–0.002 [0.01–0.04] | 0.0004–0.002 [0.01–0.04] | 0.0004–0.002 [0.01–0.04] |
| Page in catalog | | | | | |

QR code


www.walter-tools.com/woc/

C

B





A

AR

AC

WALTER SELECT

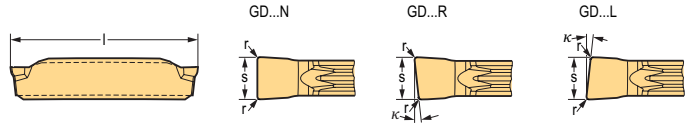
●● Primary application ● Other application

| Cutting inserts | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| System | WE..-AD | WE..-I |
| Machining | | |
| |  |  |
| Geometry | AD | I |
| P Steel | ●● | ●● |
| M Stainless steel | ●● | ●● |
| K Cast iron | ● | ● |
| N NF metals | ● | ● |
| S Materials with difficult cutting properties | ●● | ●● |
| H Hard materials | ● | |
| O Other | ● | |
| Insert width s [mm] | 0.059–0.118 [1.5–3.0] | |
| a_p [mm] | | |
| f [mm] | 0.0004–0.002 [0.01–0.04] | |
| Page in catalog | | |
| QR code |  |  |
| | AD | I |
| www.walter-tools.com/woc/ | | |

Grooving and parting off – cutting inserts

GD

Tiger-tec® Gold



Cutting inserts

| Designation | s mm | s in | r in | k | l in | f in | S _{Tol} in | h _{Tol} in | P | | | | M | | | | K | | S | | | |
|-------------------|---------|---------|---------|-------|---------|-------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | | WSM13G | WKP23G | WSM23G | WSM33G | WSM43G | WSM13G | WSM23G | WSM33G | WSM43G | WKP23G | WSM13G | WSM23G | WSM33G | WSM43G |
| GD26-3E300N02-CF6 | 3 | 0.118 | 0.008 | | 1.043 | 0.002-0.010 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-3E300R6-CF6 | 3 | 0.118 | 0.008 | 0.236 | 1.043 | 0.002-0.009 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-3E300L6-CF6 | 3 | 0.118 | 0.008 | 0.236 | 1.043 | 0.002-0.009 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-3F300N02-CF6 | 3 | 0.118 | 0.008 | | 1.043 | 0.002-0.010 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-2E250N02-CF5 | 2.5 | 0.098 | 0.008 | | 1.043 | 0.002-0.009 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-3E300N00-CF5 | 3 | 0.118 | 0.000 | | 1.043 | 0.003-0.010 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-3E300N02-CF5 | 3 | 0.118 | 0.008 | | 1.043 | 0.002-0.011 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-4E400N02-CF5 | 4 | 0.157 | 0.008 | | 1.043 | 0.003-0.012 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-5E500N03-CF5 | 5 | 0.197 | 0.012 | | 1.043 | 0.004-0.014 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-6E600N03-CF5 | 6 | 0.236 | 0.012 | | 1.043 | 0.004-0.015 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-3E300R6-CF5 | 3 | 0.118 | 0.008 | 0.236 | 1.043 | 0.002-0.010 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-4E400R6-CF5 | 4 | 0.157 | 0.008 | 0.236 | 1.043 | 0.003-0.011 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-3E300L6-CF5 | 3 | 0.118 | 0.008 | 0.236 | 1.043 | 0.002-0.010 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-4E400L6-CF5 | 4 | 0.157 | 0.008 | 0.236 | 1.043 | 0.003-0.011 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-3F300N02-CF5 | 3 | 0.118 | 0.008 | | 1.043 | 0.002-0.011 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-4F400N02-CF5 | 4 | 0.157 | 0.008 | | 1.043 | 0.003-0.012 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-5F500N03-CF5 | 5 | 0.197 | 0.012 | | 1.043 | 0.004-0.014 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-2E250N02-CE4 | 2.5 | 0.098 | 0.008 | | 1.043 | 0.003-0.010 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-3E300N02-CE4 | 3 | 0.118 | 0.008 | | 1.043 | 0.003-0.012 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-4E400N03-CE4 | 4 | 0.157 | 0.012 | | 1.043 | 0.004-0.013 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-5E500N03-CE4 | 5 | 0.197 | 0.012 | | 1.043 | 0.005-0.015 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-6E600N03-CE4 | 6 | 0.236 | 0.012 | | 1.043 | 0.005-0.016 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-3E300R6-CE4 | 3 | 0.118 | 0.008 | 0.236 | 1.043 | 0.003-0.010 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-4E400R6-CE4 | 4 | 0.157 | 0.008 | 0.236 | 1.043 | 0.004-0.012 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-3E300L6-CE4 | 3 | 0.118 | 0.008 | 0.236 | 1.043 | 0.003-0.010 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-4E400L6-CE4 | 4 | 0.157 | 0.008 | 0.236 | 1.043 | 0.004-0.012 | ±0.0020 | ±0.006 | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ | ☉ |
| GD26-3F300N02-CE4 | 3 | 0.118 | 0.008 | | 1.043 | 0.003-0.012 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |
| GD26-4F400N03-CE4 | 4 | 0.157 | 0.012 | | 1.043 | 0.004-0.013 | ±0.0020 | ±0.006 | | | | ☉ | ☉ | | | | | | | | ☉ | ☉ |

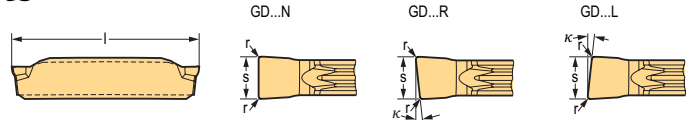
h_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Ordering example for the grade WSM33G: GD26-3E300N02-CF6 WSM33G

HC = Coated carbide

Grooving and parting off – cutting inserts

GD

Tiger-tec® Gold



Cutting inserts

| Designation | s mm | s in | r in | k | l in | f in | S _{Tol} in | l _{Tol} in | P | | | | M | | | | K | | S | | | | |
|-------------------|---------|---------|---------|---|---------|-------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | | | | | | | | HC | | | | HC | | | | HC | | HC | | | | |
| | | | | | | | | | WSM13G | WKP23G | WSM23G | WSM33G | WSM43G | WSM13G | WSM23G | WSM33G | WSM43G | WKP23G | WSM13G | WSM23G | WSM33G | WSM43G | |
| GD26-3E300N03-GD3 | 3 | 0.118 | 0.012 | | 1.043 | 0.002-0.009 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | | | | | |
| GD26-4E400N04-GD3 | 4 | 0.157 | 0.016 | | 1.043 | 0.003-0.011 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | | | | | |
| GD26-5E500N04-GD3 | 5 | 0.197 | 0.016 | | 1.043 | 0.004-0.013 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | | | | | |
| GD26-6E600N05-GD3 | 6 | 0.236 | 0.020 | | 1.043 | 0.004-0.015 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | | | | | |
| GD26-3E300N03-GD6 | 3 | 0.118 | 0.012 | | 1.043 | 0.003-0.01 | ±0.0020 | ±0.006 | | ☺ | ☺ | ☺ | ☺ | | | | | | | | | | |
| GD26-4E400N04-GD6 | 4 | 0.157 | 0.016 | | 1.043 | 0.004-0.012 | ±0.0020 | ±0.006 | | ☺ | ☺ | ☺ | ☺ | | | | | | | | | | |
| GD26-5E500N04-GD6 | 5 | 0.197 | 0.016 | | 1.043 | 0.004-0.014 | ±0.0020 | ±0.006 | | ☺ | ☺ | ☺ | ☺ | | | | | | | | | | |
| GD26-6E600N05-GD6 | 6 | 0.236 | 0.020 | | 1.043 | 0.005-0.016 | ±0.0020 | ±0.006 | | ☺ | ☺ | ☺ | ☺ | | | | | | | | | | |

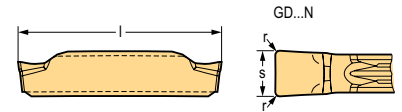
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Ordering example for the grade WSM33G: GD26-3E300N02-CF6 WSM33G

HC = Coated carbide

Grooving and recessing – cutting inserts

GD

Tiger-tec® Gold



Cutting inserts

| Designation | s mm | s in | r in | l in | f in | a _p in | S _{Tol} in | l _{Tol} in | P | | | | M | | | | K | | | S | | | H | | | | |
|-------------------|---------|---------|---------|---------|-------------|----------------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | | | | | | | | HC | | | | HC | | | | HC | | | HC | | | HC | | | | |
| | | | | | | | | | WKP13G | WKP23G | WSM23G | WKP33G | WSM33G | WSM43G | WSM13G | WSM23G | WSM33G | WSM43G | WKP13G | WKP23G | WKP33G | WSM13G | WSM23G | WSM33G | WSM43G | WKP13G | |
| GD26-3E300N02-UF8 | 3 | 0.118 | 0.008 | 1.043 | 0.003-0.010 | 0.004-0.059 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-3E300N04-UF8 | 3 | 0.118 | 0.016 | 1.043 | 0.003-0.010 | 0.008-0.059 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-3E318N02-UF8 | 3.18 | 0.125 | 0.008 | 1.043 | 0.003-0.010 | 0.004-0.071 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-4E400N02-UF8 | 4 | 0.157 | 0.008 | 1.043 | 0.004-0.010 | 0.004-0.079 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-4E400N04-UF8 | 4 | 0.157 | 0.016 | 1.043 | 0.004-0.010 | 0.008-0.079 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-5E500N02-UF8 | 5 | 0.197 | 0.008 | 1.043 | 0.004-0.013 | 0.012-0.098 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-5E500N04-UF8 | 5 | 0.197 | 0.016 | 1.043 | 0.004-0.012 | 0.008-0.098 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-5E500N08-UF8 | 5 | 0.197 | 0.0011 | 1.043 | 0.004-0.012 | 0.016-0.098 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-5E556N05-UF8 | 5.56 | 0.219 | 0.020 | 1.043 | 0.004-0.014 | 0.008-0.098 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-6E600N02-UF8 | 6 | 0.236 | 0.008 | 1.043 | 0.004-0.014 | 0.004-0.118 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-6E600N04-UF8 | 6 | 0.236 | 0.016 | 1.043 | 0.004-0.014 | 0.008-0.118 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |
| GD26-6E600N08-UF8 | 6 | 0.236 | 0.0011 | 1.043 | 0.005-0.014 | 0.016-0.118 | ±0.0020 | ±0.001 | | ☺ | ☺ | | | ☺ | | | | | | | | ☺ | ☺ | | | | |

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Ordering example for the grade WSM13G: GD26-3E300N02-UF8 WSM13G

HC = Coated carbide

WALTER SELECT

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

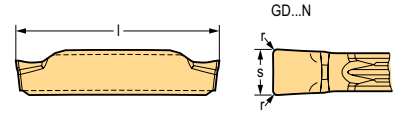
☺ ☹ ☹ / * = New addition to the product range

Single-, double- and multi-edged cutting inserts

Grooving and recessing – cutting inserts

GD

Tiger-tec® Gold



Cutting inserts

| Designation | s mm | s in | r in | l in | f in | a _p in | S _{Tol} in | l _{Tol} in | P | | | M | | | K | | | S | | | H |
|-------------------|---------|---------|---------|---------|-------------|----------------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | | HC | | | HC | | | HC | | | HC | | | HC |
| | | | | | | | | | WKP13G | WKP23G | WSM23G | WKP33G | WSM33G | WSM43G | WSM13G | WSM23G | WSM33G | WSM43G | WKP13G | WKP23G | WKP33G |
| GD26-3E300N03-UE6 | 3 | 0.118 | 0.012 | 1.043 | 0.004-0.010 | 0.008-0.079 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | |
| GD26-4E400N04-UE6 | 4 | 0.157 | 0.016 | 1.043 | 0.004-0.011 | 0.008-0.110 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | |
| GD26-5E500N04-UE6 | 5 | 0.197 | 0.016 | 1.043 | 0.004-0.013 | 0.008-0.118 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | |
| GD26-5E500N08-UE6 | 5 | 0.197 | 0.031 | 1.043 | 0.004-0.013 | 0.016-0.118 | ±0.0020 | ±0.006 | ☺ | | | | | | ☺ | | | | | | |
| GD26-6E600N04-UE6 | 6 | 0.236 | 0.016 | 1.043 | 0.004-0.015 | 0.008-0.126 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | |
| GD26-6E600N08-UE6 | 6 | 0.236 | 0.031 | 1.043 | 0.005-0.015 | 0.016-0.126 | ±0.0020 | ±0.006 | ☺ | | | | | | | | | | | | |
| GD26-3E300N02-UF4 | 3 | 0.118 | 0.008 | 1.043 | 0.004-0.010 | 0.004-0.059 | ±0.0020 | ±0.006 | | | | | | | | | | | | | ☺ |
| GD26-3E300N03-UF4 | 3 | 0.118 | 0.012 | 1.043 | 0.004-0.010 | 0.008-0.079 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |
| GD26-3E318N03-UF4 | 3.18 | 0.125 | 0.012 | 1.043 | 0.004-0.010 | 0.008-0.079 | ±0.0020 | ±0.006 | ☺ | | | | | | | | | | | | ☺ |
| GD26-4E400N02-UF4 | 4 | 0.157 | 0.008 | 1.043 | 0.004-0.012 | 0.004-0.110 | ±0.0020 | ±0.006 | | | | | | | | | | | | | ☺ |
| GD26-4E400N04-UF4 | 4 | 0.157 | 0.016 | 1.043 | 0.004-0.012 | 0.008-0.110 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |
| GD26-4E400N08-UF4 | 4 | 0.157 | 0.031 | 1.043 | 0.004-0.012 | 0.016-0.110 | ±0.0020 | ±0.006 | ☺ | | | | | | | | | | | | ☺ |
| GD26-5E500N04-UF4 | 5 | 0.197 | 0.016 | 1.043 | 0.004-0.014 | 0.008-0.118 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |
| GD26-5E500N08-UF4 | 5 | 0.197 | 0.031 | 1.043 | 0.004-0.014 | 0.016-0.118 | ±0.0020 | ±0.006 | ☺ | | | | | | | | | | | | ☺ |
| GD26-6E600N05-UF4 | 6 | 0.236 | 0.020 | 1.043 | 0.005-0.016 | 0.012-0.138 | ±0.0020 | ±0.006 | ☺ | | | | | | | | | | | | ☺ |
| GD26-6E600N08-UF4 | 6 | 0.236 | 0.031 | 1.043 | 0.005-0.016 | 0.016-0.138 | ±0.0020 | ±0.006 | ☺ | | | | | | | | | | | | ☺ |
| GD26-6E635N05-UF4 | 6.35 | 0.250 | 0.020 | 1.043 | 0.005-0.016 | 0.012-0.138 | ±0.0020 | ±0.006 | | | | | | | | | | | | | ☺ |
| GD26-3F300N03-UF4 | 3 | 0.118 | 0.012 | 1.043 | 0.004-0.010 | 0.008-0.079 | ±0.0020 | ±0.006 | | | | | | | | | | | | | ☺ |
| GD26-4F400N04-UF4 | 4 | 0.157 | 0.016 | 1.043 | 0.004-0.012 | 0.008-0.110 | ±0.0020 | ±0.006 | | | | | | | | | | | | | ☺ |
| GD26-5F500N04-UF4 | 5 | 0.197 | 0.016 | 1.043 | 0.004-0.014 | 0.008-0.118 | ±0.0020 | ±0.006 | | | | | | | | | | | | | ☺ |
| GD26-6F600N05-UF4 | 6 | 0.236 | 0.020 | 1.043 | 0.005-0.016 | 0.012-0.138 | ±0.0020 | ±0.006 | | | | | | | | | | | | | ☺ |
| GD26-3E300N03-UD4 | 3 | 0.118 | 0.012 | 1.043 | 0.004-0.01 | 0.016-0.079 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |
| GD26-3E318N03-UD4 | 3.18 | 0.125 | 0.012 | 1.043 | 0.004-0.010 | 0.016-0.079 | ±0.0020 | ±0.006 | ☺ | | | | | | | | | | | | ☺ |
| GD26-4E400N04-UD4 | 4 | 0.157 | 0.016 | 1.043 | 0.004-0.012 | 0.02-0.110 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |
| GD26-4E400N08-UD4 | 4 | 0.157 | 0.031 | 1.043 | 0.004-0.012 | 0.035-0.110 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |
| GD26-5E500N04-UD4 | 5 | 0.197 | 0.016 | 1.043 | 0.005-0.014 | 0.02-0.118 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |
| GD26-5E500N08-UD4 | 5 | 0.197 | 0.031 | 1.043 | 0.005-0.014 | 0.035-0.118 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |
| GD26-6E600N05-UD4 | 6 | 0.236 | 0.020 | 1.043 | 0.006-0.016 | 0.024-0.138 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |
| GD26-6E600N08-UD4 | 6 | 0.236 | 0.031 | 1.043 | 0.006-0.016 | 0.035-0.138 | ±0.0020 | ±0.006 | ☺ | ☺ | | | | | | | | | | | ☺ |

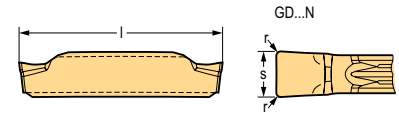
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Ordering example for the grade WSM13G: GD26-3E300N02-UF8 WSM13G

HC = Coated carbide

Grooving and recessing – cutting inserts

GD

Tiger-tec® Gold



A2

Cutting inserts

| Designation | s mm | s in | r in | l in | f in | a _p in | S _{Tol} in | l _{Tol} in | P | | | | M | | | | K | | | S | | | H |
|-------------------|---------|---------|---------|---------|-------------|----------------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | | HC | | | | HC | | | | HC | | | HC | | | HC |
| | | | | | | | | | WKP13G | WKP23G | WSM23G | WKP33G | WSM33G | WSM43G | WSM13G | WSM23G | WSM33G | WSM43G | WKP13G | WKP23G | WKP33G | WSM13G | WSM23G |
| GD26-3E300N03-UA4 | 3 | 0.118 | 0.012 | 1.043 | 0.004-0.010 | 0.016-0.079 | ±0.0020 | ±0.006 | ☺ | | | ☺ | | | | | | ☺ | ☺ | | | | ☺ |
| GD26-4E400N04-UA4 | 4 | 0.157 | 0.016 | 1.043 | 0.006-0.012 | 0.020-0.110 | ±0.0020 | ±0.006 | ☺ | | | ☺ | | | | | | ☺ | ☺ | | | | ☺ |
| GD26-5E500N04-UA4 | 5 | 0.197 | 0.016 | 1.043 | 0.006-0.014 | 0.020-0.118 | ±0.0020 | ±0.006 | ☺ | | | ☺ | | | | | | ☺ | ☺ | | | | ☺ |
| GD26-6E600N05-UA4 | 6 | 0.236 | 0.020 | 1.043 | 0.006-0.016 | 0.024-0.138 | ±0.0020 | ±0.006 | ☺ | | | ☺ | | | | | | ☺ | ☺ | | | | ☺ |

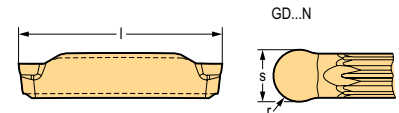
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Ordering example for the grade WSM13G: GD26-3E300N02-UF8 WSM13G

HC = Coated carbide

Grooving and copy turning – cutting inserts

GD

Tiger-tec® Gold



Cutting inserts

| Designation | s mm | s in | r in | l in | f in | a _p in | S _{Tol} in | l _{Tol} in | P | | | | M | | | | K | S | | |
|-------------------|---------|---------|---------|---------|-------------|----------------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | | | | | | | | HC | | | | HC | | | | HC | HC | | |
| | | | | | | | | | WSM13G | WKP23G | WSM23G | WKP33G | WSM13G | WSM23G | WSM33G | WKP23G | WSM13G | WSM23G | WSM33G | |
| GD26-3E300N15-RF8 | 3 | 0.118 | 0.059 | 1.043 | 0.003-0.014 | 0.004-0.059 | ±0.0008 | ±0.006 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | |
| GD26-3E318N16-RF8 | 3.18 | 0.125 | 0.063 | 1.043 | 0.003-0.014 | 0.004-0.059 | ±0.0008 | ±0.006 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | |
| GD26-4E400N20-RF8 | 4 | 0.157 | 0.079 | 1.043 | 0.005-0.018 | 0.004-0.079 | ±0.0008 | ±0.006 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | |
| GD26-5E500N25-RF8 | 5 | 0.197 | 0.098 | 1.043 | 0.006-0.022 | 0.008-0.098 | ±0.0008 | ±0.006 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | |
| GD26-6E600N30-RF8 | 6 | 0.236 | 0.118 | 1.043 | 0.007-0.026 | 0.008-0.118 | ±0.0008 | ±0.006 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | |
| GD26-3E300N15-RE6 | 3 | 0.118 | 0.059 | 1.043 | 0.003-0.014 | 0.004-0.059 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | |
| GD26-4E400N20-RE6 | 4 | 0.157 | 0.079 | 1.043 | 0.005-0.018 | 0.004-0.079 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | |
| GD26-5E500N25-RE6 | 5 | 0.197 | 0.098 | 1.043 | 0.006-0.023 | 0.008-0.098 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | |
| GD26-6E600N30-RE6 | 6 | 0.236 | 0.118 | 1.043 | 0.007-0.027 | 0.008-0.118 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | |
| GD26-3F300N15-RE6 | 3 | 0.118 | 0.059 | 1.043 | 0.003-0.014 | 0.004-0.059 | ±0.0020 | ±0.006 | | | ☺ | ☺ | | | | | | | | |
| GD26-4F400N20-RE6 | 4 | 0.157 | 0.079 | 1.043 | 0.005-0.018 | 0.004-0.079 | ±0.0020 | ±0.006 | | | ☺ | ☺ | | | | | | | | |
| GD26-5F500N25-RE6 | 5 | 0.197 | 0.098 | 1.043 | 0.006-0.023 | 0.008-0.098 | ±0.0020 | ±0.006 | | | ☺ | ☺ | | | | | | | | |
| GD26-6F600N30-RE6 | 6 | 0.236 | 0.118 | 1.043 | 0.007-0.027 | 0.008-0.118 | ±0.0020 | ±0.006 | | | ☺ | ☺ | | | | | | | | |
| GD26-3E300N15-RD4 | 3 | 0.118 | 0.059 | 1.043 | 0.004-0.015 | 0.020-0.059 | ±0.0020 | ±0.006 | ☺ | | ☺ | | | | | | ☺ | ☺ | | |
| GD26-3E318N16-RD4 | 3.18 | 0.125 | 0.063 | 1.043 | 0.004-0.015 | 0.020-0.059 | ±0.0020 | ±0.006 | ☺ | | ☺ | | | | | | ☺ | ☺ | | |
| GD26-4E400N20-RD4 | 4 | 0.157 | 0.079 | 1.043 | 0.006-0.019 | 0.020-0.079 | ±0.0020 | ±0.006 | ☺ | | ☺ | | | | | | ☺ | ☺ | | |
| GD26-5E500N25-RD4 | 5 | 0.197 | 0.098 | 1.043 | 0.007-0.024 | 0.020-0.098 | ±0.0020 | ±0.006 | ☺ | | ☺ | | | | | | ☺ | ☺ | | |
| GD26-6E600N30-RD4 | 6 | 0.236 | 0.118 | 1.043 | 0.008-0.028 | 0.020-0.118 | ±0.0020 | ±0.006 | ☺ | | ☺ | | | | | | ☺ | ☺ | | |
| GD26-6E635N32-RD4 | 6.35 | 0.250 | 0.126 | 1.043 | 0.008-0.028 | 0.020-0.126 | ±0.0020 | ±0.006 | ☺ | | ☺ | | | | | | ☺ | ☺ | | |

l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Ordering example for the grade WSM13G: GD26-3E300N15-RF8 WSM13G

HC = Coated carbide

WALTER SELECT

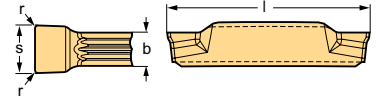
Optimum indexable insert for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

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

Single-, double- and multi-edged cutting inserts


Semi-finished blanks for special shapes

GD



A2

Cutting inserts

| Designation | s mm | s in | b in | r in | l in | S _{Tol} in | h _{Tol} in | P | M | S |
|-------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|------------------------|------------------------|-------|-------|-------|
| | | | | | | | | WMG40 | WMG40 | WMG40 |
|  GD26-3E430N03 | 4.3 | 0.169 | 0.098 | 0.012 | 1.043 | ± 0.0020 | ±0.006 | HW | HW | HW |
| GD26-4E530N04 | 5.3 | 0.209 | 0.138 | 0.016 | 1.043 | ±0.0020 | ±0.006 | HW | HW | HW |
| GD26-5E630N04 | 6.3 | 0.248 | 0.173 | 0.016 | 1.043 | ±0.0020 | ±0.006 | HW | HW | HW |
| GD26-6E800N04 | 8 | 0.315 | 0.213 | 0.016 | 1.043 | ±0.0020 | ±0.006 | HW | HW | HW |

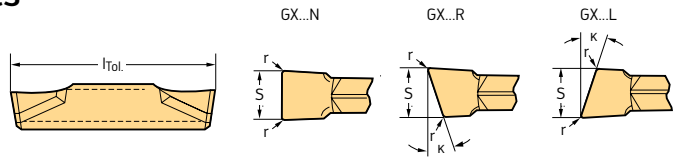
Ordering example for the grade WMG40: GD26-3E430N03 WMG40

HW = Uncoated carbide

Grooving and parting off – cutting inserts




GX

Tiger-tec® Gold



A2

Cutting inserts

| Designation | s mm | s in | r in | k | l in | f in | S _{Tol} in | h _{Tol} in | P | | | M | | K | | S | |
|-----------------------------------------------------------------------------------------------------|---------|---------|---------|-------|---------|-------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | | | | | | | | | WC | HC | WC | HC | WC | HC | WC | HC | |
| | | | | | | | | | WKP23G | WSM33G | WSM43G | WSM33G | WSM43G | WKP23G | WSM33G | WSM43G | |
|  GX34-2E300N03-CE4 | 3 | 0.118 | 0.012 | | 1.339 | 0.004-0.012 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  GX34-2E300L6-CE4 | 3 | 0.118 | 0.012 | 0.236 | 1.339 | 0.004-0.009 | ±0.0020 | ±0.006 | ☺ | ☺ | ☺ | | | ☺ | ☺ | ☺ | |
|  GX09-1E200N02-GD3 | 2 | 0.079 | 0.008 | | 0.354 | 0.002-0.005 | ±0.0008 | ±0.001 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| GX09-1E250N02-GD3 | 2.5 | 0.098 | 0.008 | | 0.354 | 0.002-0.006 | ±0.0008 | ±0.001 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| GX09-2E300N03-GD3 | 3 | 0.118 | 0.012 | | 0.354 | 0.002-0.007 | ±0.0008 | ±0.001 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |

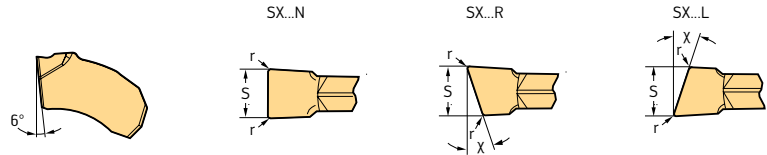
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Parting off with diameters up to 32 mm is possible with GX16 inserts (l = 16.6 mm)
 Ordering example for the grade WKP23G: GX34-2E300N03-CE4 WKP23G
 HC = Coated carbide

Grooving and parting off – cutting inserts

A2

SX

Tiger-tec® Gold



Cutting inserts

| Designation | s mm | s in | r in | κ | f in | S _{Tol} in | l _{Tol} in | P | | | | M | | | K | | S | |
|-------------------|---------|---------|---------|-------|-------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | HC | | | | HC | | | HC | | HC | |
| | | | | | | | | WKP23G | WSM23G | WSM33G | WSM43G | WSM23G | WSM33G | WSM43G | WKP23G | WSM23G | WSM33G | WSM43G |
| SX-1E150N01-CE4 | 1.5 | 0.059 | 0.006 | | 0.001-0.005 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-2E200N02-CE4 | 2 | 0.079 | 0.008 | | 0.002-0.006 | ±0.0020 | ±0.004 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| SX-2E260N03-CE4 | 2.6 | 0.102 | 0.012 | | 0.002-0.007 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-3E300N02-CE4 | 3 | 0.118 | 0.008 | | 0.004-0.012 | ±0.0020 | ±0.004 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| SX-3E310N03-CE4 | 3.1 | 0.122 | 0.012 | | 0.004-0.012 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-4E400N02-CE4 | 4 | 0.157 | 0.008 | | 0.004-0.013 | ±0.0020 | ±0.004 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| SX-4E410N03-CE4 | 4.1 | 0.161 | 0.012 | | 0.004-0.013 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-5E500N04-CE4 | 5 | 0.197 | 0.016 | | 0.005-0.014 | ±0.0020 | ±0.004 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| SX-6E600N04-CE4 | 6 | 0.236 | 0.016 | | 0.005-0.016 | ±0.0020 | ±0.004 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| SX-8E800N08-CE4 | 8 | 0.315 | 0.031 | | 0.008-0.022 | ±0.0020 | ±0.004 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| SX-10E1000N08-CE4 | 10 | 0.394 | 0.031 | | 0.010-0.024 | ±0.0020 | ±0.004 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| SX-4E480N03-CE4 | 4.8 | 0.189 | 0.012 | | 0.005-0.014 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-2E200R6-CE4 | 2 | 0.079 | 0.008 | 0.236 | 0.002-0.004 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-3E300R6-CE4 | 3 | 0.118 | 0.008 | 0.236 | 0.004-0.008 | ±0.0020 | ±0.004 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| SX-4E400R6-CE4 | 4 | 0.157 | 0.008 | 0.236 | 0.004-0.009 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-5E500R6-CE4 | 5 | 0.197 | 0.016 | 0.236 | 0.005-0.010 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-6E600R6-CE4 | 6 | 0.236 | 0.016 | 0.236 | 0.005-0.012 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-3E300L6-CE4 | 3 | 0.118 | 0.008 | 0.236 | 0.004-0.008 | ±0.0020 | ±0.004 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| SX-4E400L6-CE4 | 4 | 0.157 | 0.008 | 0.236 | 0.004-0.009 | ±0.0020 | ±0.004 | | | | | | | | | | | |
| SX-6E600L6-CE4 | 6 | 0.236 | 0.016 | 0.236 | 0.005-0.012 | ±0.0020 | ±0.004 | | | | | | | | | | | |

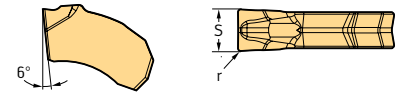
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Ordering example for the grade WKP23G: SX-10E1000N08-CE4 WKP23G

HC = Coated carbide

Grooving and recessing – cutting inserts


SX

Tiger-tec® Gold



A2

Cutting inserts

| Designation | s mm | s in | r in | l in | f in | S _{Tol} in | l _{Tol} in | P | | M | | K | | S | |
|---------------------------------------------------------------------------------------------------|---------|---------|---------|---------|-------------|------------------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | HC | | HC | | HC | | HC | |
| | | | | | | | | WKP23G | WSM33G | WSM43G | WSM33G | WSM43G | WKP23G | WSM33G | WSM43G |
|  SX-8E800N08-UF4 | 8 | 0.315 | 0.031 | 0.685 | 0.007–0.022 | ±0.0020 | ±0.004 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |

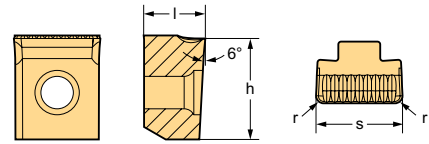
l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Ordering example for the grade WKP23G: SX-8E800N08-UF4 WKP23G

HC = Coated carbide

Grooving and parting off – cutting inserts

UX

Tiger-tec® Gold



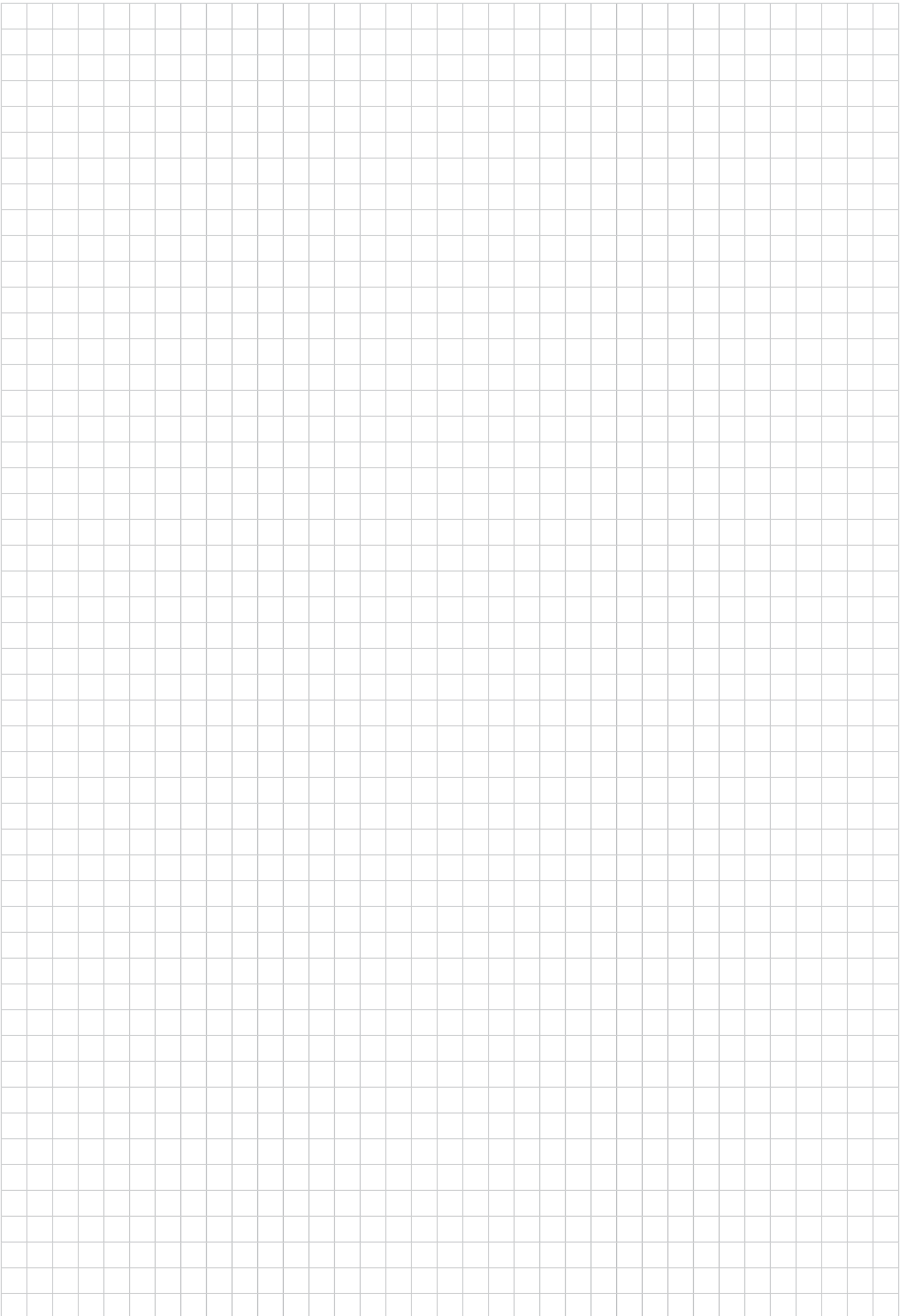
Cutting inserts

| Designation | s mm | s in | r in | l in | f in | S _{Tol} in | l _{Tol} in | P | | K | |
|-------------------|---------|---------|---------|---------|-------------|------------------------|------------------------|----|--------|----|--------|
| | | | | | | | | HC | WKP33G | HC | WKP33S |
| UX-12E1200N10-GD2 | 12 | 0.472 | 0.039 | 0.339 | 0.008–0.016 | ±0.0079 | ±0.004 | ☑ | ☑ | ☑ | ☑ |
| UX-19E1900N15-GD2 | 19 | 0.748 | 0.059 | 0.535 | 0.010–0.024 | ±0.0079 | ±0.004 | ☑ | ☑ | ☑ | ☑ |



l_{Tol} = Repeat accuracy when changing indexable inserts within one insert batch
 Radius tolerance r_{Tol} = ±0.05 mm
 Ordering example for the grade WKP33G: UX-12E1200N10-GD2 WKP33G

HC = Coated carbide

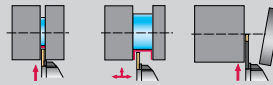


Shank tools/parting blades

System



Machining



G3011



G3011...-P



G3021...-P

Designation

| | | | |
|------------------------------|--------------------------|--------------------------|--------------------------|
| Insert width s [mm] | 0.020 – 0.128 [0.5–3.25] | 0.020 – 0.222 [0.5–5.65] | 0.020 – 0.222 [0.5–5.65] |
| Cutting depth T_{max} [mm] | 0.236 [6] | 0.236 [6] | 0.236 [6] |
| Coolant supply | External | Precision cooling | Precision cooling |
| Shank size h [mm] | 10–25 | 12–25 | 20–25 |
| Shank size h [Inch] | | 0.500–1.000 | 1.000 |

Page in catalog

QR code



G3011



G3011-P



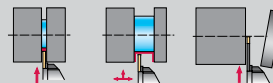
G3021-P

www.walter-tools.com/woc/

System



Machining



G3051...-P



G4014



G4014...-P

Designation

| | | | |
|------------------------------|--------------------------|---------------------|---------------------|
| Insert width s [mm] | 0.020 – 0.128 [0.5–3.25] | 0.039 – 0.118 [1–3] | 0.079 – 0.118 [2–3] |
| Cutting depth T_{max} [mm] | 0.236 [6] | 0.689 [17.5] | 0.689 [17.5] |
| Coolant supply | Precision cooling | External | Precision cooling |
| Shank size h [mm] | 12–25 | 10–20 | 12–20 |
| Shank size h [Inch] | 0.625–1.000 | 0.500–0.625 | 0.500–0.750 |

Page in catalog

QR code



G3051-P



G4014

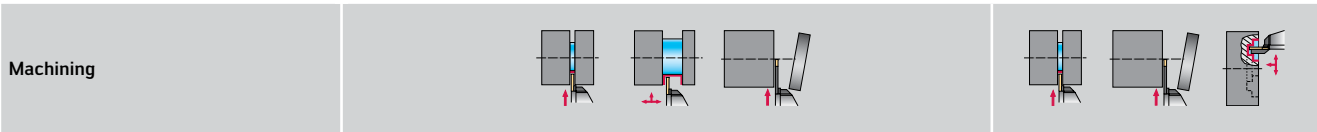


G4014-P

www.walter-tools.com/woc/

Shank tools/parting blades

System



NEW



Designation

G4011

G4011...-P

G4511

| | | | |
|-------------------------------------|---------------------|---------------------|---------------------|
| Insert width s [mm] | 0.079 – 0.158 [2–4] | 0.079 – 0.158 [2–4] | 0.079 – 0.236 [2–6] |
| Cutting depth T _{max} [mm] | 0.669 [17] | 0.669 [17] | 0.197 [5] |
| Coolant supply | External | Precision cooling | External |
| Shank size h [mm] | 16–25 | 20–25 | 12–25 |
| Shank size h [Inch] | 0.750–1.000 | 1.000 | |
| Page in catalog | 106 | | |

QR code



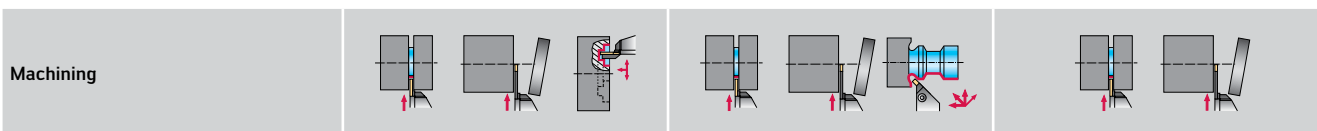
www.walter-tools.com/woc/

G4011

G4011-P

G4511

System



Designation

G4521

G4551

G4041

| | | | |
|-------------------------------------|---------------------|---------------------|-----------------------|
| Insert width s [mm] | 0.079 – 0.236 [2–6] | 0.079 – 0.236 [2–6] | 0.059 – 0.118 [1.5–3] |
| Cutting depth T _{max} [mm] | 0.197 [5] | 0.197 [5] | 0.827 [21] |
| Coolant supply | External | External | External |
| Shank size h [mm] | 20–25 | 20–25 | 26–32 |
| Shank size h [Inch] | | | |
| Page in catalog | | | |

QR code



www.walter-tools.com/woc/

G4521

G4551

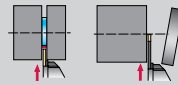
G4041

Shank tools/parting blades

System



Machining


G4041...-P

G4041...C

G4041...C-P

Designation

| | | | |
|-----------------------------------|-------------------|-----------------------|---------------------|
| Insert width s inch [mm] | 0.079 [2] | 0.059 – 0.118 [1.5–3] | 0.079 – 0.118 [2–3] |
| Cutting depth T_{max} inch [mm] | 0.827 [21] | 0.827 [21] | 0.827 [21] |
| Coolant supply | Precision cooling | External | Precision cooling |
| Shank size h [mm] | 26–32 | 26–32 | 26–32 |
| Shank size h [Inch] | | | |

Page in catalog

QR code


www.walter-tools.com/woc/G4041-P

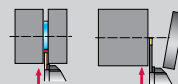
www.walter-tools.com/woc/G4041-C

www.walter-tools.com/woc/G4041-C-P

System



Machining


G4042...N

G4042...N...-P

G4634-P

Designation

| | | | |
|-----------------------------------|-----------------------|-------------------|---------------------|
| Insert width s inch [mm] | 0.059 – 0.158 [1.5–4] | 0.118 [3] | 0.079 – 0.118 [2–3] |
| Cutting depth T_{max} inch [mm] | 1.575 [40] | 1.575 [40] | 0.630 [16] |
| Coolant supply | External | Precision cooling | Precision cooling |
| Shank size h [mm] | 26–32 | 26–32 | E33 |
| Shank size h [Inch] | | | |

Page in catalog

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www.walter-tools.com/woc/G4042-N

www.walter-tools.com/woc/G4042-N-P

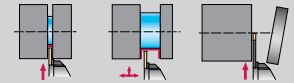
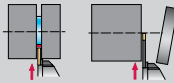
www.walter-tools.com/woc/G4634-P

Shank tools/parting blades

System



Machining



NEW



Designation

G4635

G4635-P

G5011

| | | | |
|------------------------------------------|-----------------------|-----------------------|---------------------|
| Insert width s inch [mm] | 0.059 – 0.118 [1.5–3] | 0.079 – 0.098 [2–2.5] | 0.118 – 0.236 [3–6] |
| Cutting depth T _{max} inch [mm] | 0.669 [17] | 0.630 [16] | 1.299 [33] |
| Coolant supply | External | Precision cooling | External |
| Shank size h [mm] | E30 | E33 | 16–25 |
| Shank size h [Inch] | | | 0.625–1.000 |
| Page in catalog | | | 110 |

QR code



www.walter-tools.com/woc/

G4635

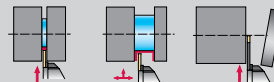
G4635-P

G5011

System



Machining



NEW



Designation

G5011...-P

G1011

G1011...-P

| | | | |
|------------------------------------------|-----------------------|---------------------|---------------------|
| Insert width s inch [mm] | 0.098 – 0.236 [2.5–6] | 0.079 – 0.315 [2–8] | 0.079 – 0.315 [2–8] |
| Cutting depth T _{max} inch [mm] | 1.299 [33] | 1.496 [38] | 1.299 [33] |
| Coolant supply | Precision cooling | External | Precision cooling |
| Shank size h [mm] | 16–25 | 16–32 | 16–32 |
| Shank size h [Inch] | 0.750–1.000 | 0.625–1.500 | 0.750–1.000 |
| Page in catalog | 115 | | |

QR code



www.walter-tools.com/woc/

G5011-P

G1011

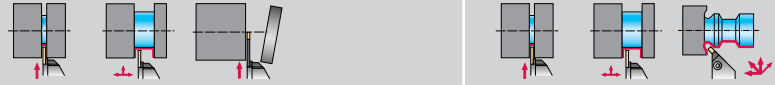
G1011-P

Shank tools/parting blades

System



Machining


G1511

G1521

G1551

Designation

| | | | |
|-----------------------------------|---------------------|---------------------|---------------------|
| Insert width s inch [mm] | 0.079 – 0.236 [2–6] | 0.079 – 0.236 [2–6] | 0.079 – 0.236 [2–6] |
| Cutting depth T_{max} inch [mm] | 0.236 [6] | 0.236 [6] | 0.236 [6] |
| Coolant supply | External | External | External |
| Shank size h [mm] | 20–25 | 20–25 | 20–25 |
| Shank size h [Inch] | 0.750–1.000 | 0.750–1.000 | 0.750–1.000 |

Page in catalog

QR code


www.walter-tools.com/woc/G1511

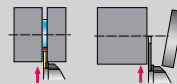
www.walter-tools.com/woc/G1521

www.walter-tools.com/woc/G1551

System



Machining


G1041

G1041...-P

G1041...C

Designation

| | | | |
|-----------------------------------|---------------------|---------------------|---------------------|
| Insert width s inch [mm] | 0.079 – 0.158 [2–4] | 0.118 – 0.158 [3–4] | 0.079 – 0.158 [2–4] |
| Cutting depth T_{max} inch [mm] | 1.260 [32] | 1.299 [33] | 1.260 [32] |
| Coolant supply | External | Precision cooling | External |
| Shank size h [mm] | 26–32 | 26–32 | 26–32 |
| Shank size h [Inch] | | | |

Page in catalog

QR code


www.walter-tools.com/woc/G1041

www.walter-tools.com/woc/G1041-P

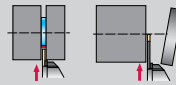
www.walter-tools.com/woc/G1041-C

Shank tools/parting blades

System



Machining



G1041...C-P



G1042



XLCFN

Designation

| | | | |
|-----------------------------------|---------------------|---------------------|---------------------|
| Insert width s inch [mm] | 0.079 – 0.158 [2–4] | 0.079 – 0.236 [2–6] | 0.118 – 0.236 [3–6] |
| Cutting depth T_{max} inch [mm] | 1.299 [33] | 2.362 [60] | 0.827 [21] |
| Coolant supply | Precision cooling | External | External |
| Shank size h [mm] | 26–32 | 26–32 | 32 |
| Shank size h [Inch] | | | |

Page in catalog

QR code



G1041-C-P



G1042



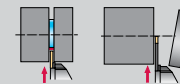
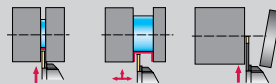
XLCFN

www.walter-tools.com/woc/

System



Machining



MSS...E...



G1332



G1634-P

Designation

| | | | |
|-----------------------------------|-----------------------|------------|---------------------|
| Insert width s inch [mm] | 0.024 – 0.315 [0.6–8] | 0.118 [3] | 0.079 – 0.158 [2–4] |
| Cutting depth T_{max} inch [mm] | 0.827 [21] | 0.591 [15] | 1.299 [33] |
| Coolant supply | External | EXT | Precision cooling |
| Shank size h [mm] | E20–E32 | EXT | E33–E43 |
| Shank size h [Inch] | | | |

Page in catalog

QR code



MSS-E



G1332



G1634-P

www.walter-tools.com/woc/

Shank tools/parting blades

System



Machining



G1111



G1111...-P



MSS...E...A

Designation

| | | | |
|-----------------------------------|---------------------|-------------------|---------------------|
| Insert width s inch [mm] | 0.118 – 0.236 [3–6] | 0.197 [5] | 0.118 – 0.236 [3–6] |
| Cutting depth T_{max} inch [mm] | 0.984 [25] | 1.299 [33] | 0.591 [15] |
| Coolant supply | External | Precision cooling | External |
| Shank size h [mm] | 25 | 25 | E20–E32 |
| Shank size h [Inch] | 1.000 | | |

Page in catalog

QR code


www.walter-tools.com/woc/G1111

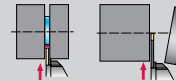
www.walter-tools.com/woc/G1111-P

www.walter-tools.com/woc/MSS-E-A

System



Machining



MSS...E...C



G2012



G2012...-P

Designation

| | | | |
|-----------------------------------|---------------------|-----------------------|---------------------|
| Insert width s inch [mm] | 0.158 – 0.236 [4–6] | 0.059 – 0.118 [1.5–3] | 0.079 – 0.236 [2–6] |
| Cutting depth T_{max} inch [mm] | 0.984 [25] | 1.299 [33] | 1.575 [40] |
| Coolant supply | External | External | Internal |
| Shank size h [mm] | E25 | 20–25 | 12–25 |
| Shank size h [Inch] | | 0.750–1.000 | 0.500–1.000 |

Page in catalog

QR code


www.walter-tools.com/woc/MSS-E-C

www.walter-tools.com/woc/G2012

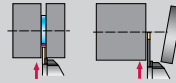
www.walter-tools.com/woc/G2012-P

Shank tools/parting blades

System



Machining



G2042...R/L



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



G2042...R/L...C

Designation

| | | | |
|-----------------------------------|-----------------------|---------------------|------------|
| Insert width s inch [mm] | 0.059 – 0.158 [1.5–4] | 0.079 – 0.158 [2–4] | 0.158 [4] |
| Cutting depth T_{max} inch [mm] | 1.299 [33] | 1.299 [33] | 1.299 [33] |
| Coolant supply | External | Precision cooling | External |
| Shank size h [mm] | 26–32 | 26–32 | 32 |
| Shank size h [Inch] | | | |

Page in catalog

QR code


www.walter-tools.com/woc/

G2042-R-L



G2042-R-L-P

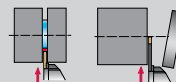


G2042-R-L-C

System



Machining



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



G2042...N



G2042...N...-P

Designation

| | | | |
|-----------------------------------|---------------------|---------------------|----------------------|
| Insert width s inch [mm] | 0.079 – 0.158 [2–4] | 0.079 – 0.236 [2–6] | 0.118 – 0.394 [3–10] |
| Cutting depth T_{max} inch [mm] | 1.299 [33] | 3.150 [80] | 3.937 [100] |
| Coolant supply | Precision cooling | External | Precision cooling |
| Shank size h [mm] | 26–32 | 26–46 | 26–52 |
| Shank size h [Inch] | | | |

Page in catalog

QR code


www.walter-tools.com/woc/

G2042-R-L-C-P



G2042-N



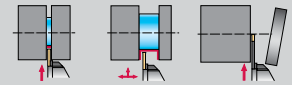
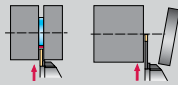
G2042-N-P

Shank tools/parting blades

System



Machining



Designation

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

G2016...-P

MSS-...00

 Insert width s inch [mm]

0.079 – 0.315 [2–8]

0.472 – 0.748 [12–19]

 Cutting depth T_{max} inch [mm]

1.772 [45]

1.614 [41]

Coolant supply

External

Precision cooling

External

 Shank size h [mm]

E20–E32

25–32

20–32

 Shank size h [Inch]

0.750–1.250

Page in catalog

QR code


www.walter-tools.com/woc/

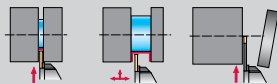
G2632

G2016-P

MSS-00

System

Machining



Designation

MSS-...90

G2661...-P

SBN

 Insert width s inch [mm]

 Cutting depth T_{max} inch [mm]

Coolant supply

External

Internal

External

 Shank size h [mm]

20–32

16–40

20–40

 Shank size h [Inch]

0.750–1.250

0.750–1.500

0.750–1.250

Page in catalog

QR code


www.walter-tools.com/woc/

MSS-90

G2661-P

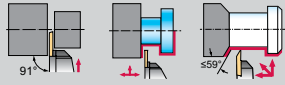
SBN

Shank tools/parting blades

System



Machining



Designation

W2011

| | |
|-----------------------------------|-----------------------|
| Insert width s inch [mm] | 0.020 – 0.118 [0.5–3] |
| Cutting depth T_{max} inch [mm] | 0.335 [8.5] |
| Coolant supply | External |
| Shank size h [mm] | 10–16 |
| Shank size h [Inch] | 0.500–0.625 |

Page in catalog

QR code


www.walter-tools.com/woc/

W2011

Walter Capto™ groove turning holders

| | | | |
|--------------------------------------------------------------------------|--------------------------|-------------------|---------------------|
| System | MX.. | DX.. | GX.. |
| Machining | | | |
| Designation | G3011-C...-P | G4011-C...-P | G1011-C...-P |
| Insert width s inch [mm] | 0.020 – 0.222 [0.5–5.65] | 0.079 [2] | 0.118 – 0.197 [3–5] |
| Cutting depth T_{max} inch [mm] | 0.236 [6] | 0.669 [17] | 0.827 [21] |
| Coolant supply | Precision cooling | Precision cooling | Precision cooling |
| Walter Capto™ size | C3–C6 | C3–C4 | C3–C6 |
| Page in catalog | | | |
| QR code | | | |
| www.walter-tools.com/woc/ | G3011-C-P | G4011-C-P | G1011-C-P |

| | | | |
|--------------------------------------------------------------------------|-----------------------|---------------------|---------------------|
| System | GX.. | | |
| Machining | | | |
| Designation | MSS...E... | MSS...E...A | MSS...E...C |
| Insert width s inch [mm] | 0.024 – 0.315 [0.6–8] | 0.118 – 0.236 [3–6] | 0.158 – 0.236 [4–6] |
| Cutting depth T_{max} inch [mm] | 0.827 [21] | 0.591 [15] | 0.984 [25] |
| Coolant supply | External | External | External |
| Walter Capto™ size | E20–E32 | E20–E32 | E25 |
| Page in catalog | | | |
| QR code | | | |
| www.walter-tools.com/woc/ | MSS-E | MSS-E-A | MSS-E-C |

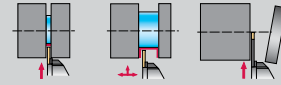
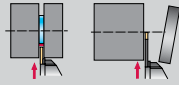
Walter Capto™ groove turning holders

A2

System



Machining



Designation

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

C...-MSS

C...-MSS...90

Insert width s inch [mm]

0.079 – 0.315 [2–8]

Cutting depth T_{max} inch [mm]

1.772 [45]

Coolant supply

External

Internal

Internal

Walter Capto™ size

E20–E32

C3–C6

C4–C6

Page in catalog

QR code



www.walter-tools.com/woc/

G2632

C-MSS

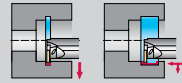
C-MSS-90

Boring bars – Internal grooving

System



Machining



Designation

G3221...-P

G4221...-P

I12

 Insert width s inch [mm]

0.020 – 0.128 [0.5–3.25]

0.079 – 0.158 [2–4]

0.079 – 0.108 [2–2.75]

 Cutting depth T_{max} inch [mm]

0.158 [4]

0.394 [10]

0.118 [3]

Coolant supply

Precision cooling

Precision cooling

External

 Boring bar $\varnothing d_1$ [mm]

32

25–32

16

 Boring bar $\varnothing d_1$ [inch]

0.959–1.250

Page in catalog

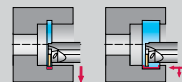
QR code


www.walter-tools.com/woc/
[G3221-P](http://www.walter-tools.com/woc/G3221-P)
[G4221-P](http://www.walter-tools.com/woc/G4221-P)
[I12](http://www.walter-tools.com/woc/I12)

System



Machining



Designation

G1221...-P

MSS...I...

MSS...I...90-1.5

 Insert width s inch [mm]

0.079 – 0.236 [2–6]

0.024 – 0.236 [0.6–6]

 Cutting depth T_{max} inch [mm]

0.472 [12]

0.748 [19]

Coolant supply

Precision cooling

External

Internal

 Boring bar $\varnothing d_1$ [mm]

16–40

I16–I40

20–40

 Boring bar $\varnothing d_1$ [inch]

0.602–1.500

0.039–1.500

Page in catalog

QR code


www.walter-tools.com/woc/
[G1221-P](http://www.walter-tools.com/woc/G1221-P)
[MSS-I](http://www.walter-tools.com/woc/MSS-I)
[MSS-I-1-5](http://www.walter-tools.com/woc/MSS-I-1-5)

Boring bars – Internal grooving

System



Designation **MSS...I...90-2.5**

Insert width s inch [mm]

Cutting depth T_{max} inch [mm]

Coolant supply Internal

Boring bar $\varnothing d_1$ [mm] 20–50

Boring bar $\varnothing d_1$ [inch] 0.039–2.000

Page in catalog

QR code



www.walter-tools.com/woc/

MSS-I-2-5

Boring bars WE – Internal machining



Boring bar for exchangeable head



Boring bar for exchangeable head



Boring bar for exchangeable head – Axial grooving

| | | | |
|---------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Designation | W3270-A | W3270-E | W3271-E |
| Machine-side | Parallel shank with clamping surface | Parallel shank with clamping surface | Parallel shank with clamping surface |
| Tool-side | 05 - 09 | 05 - 09 | 09F(R) |

Page in catalog

QR code



www.walter-tools.com/woc/

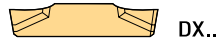
W3270-A

W3270-E

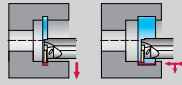
W3271-E

Exchangeable head QuadFit – Internal grooving

System



Machining



Designation

G4221-Q...-P

Insert width s [mm]

0.118 – 0.158 [3–4]

Cutting depth T_{max} [mm]

0.827 [21]

Coolant supply

Precision cooling

QuadFit size

Q32–Q50

Page in catalog

QR code

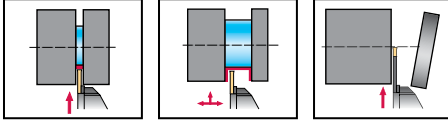

www.walter-tools.com/woc/

G4221-Q-P

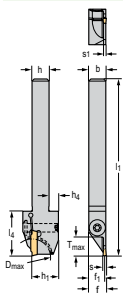
Shank tool – Radial grooving

G4011
Walter Cut


– Screw clamping



Tool



| Designation | s mm | s in | T _{max} mm | D _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | l ₄ mm | h ₄ mm | s ₁ mm | Type |
|------------------------|---------|---------|------------------------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| ★ G4011-1212R-2T12DX18 | 2 | 0.079 | 12 | 25 | 12 | 12 | 14.3 | 125 | 31.5 | 6.5 | 1.6 | DX18-2E2 .. |
| ★ G4011-1616R-2T17DX18 | | | 17 | 35 | 16 | 16 | 15.2 | 125 | 33.5 | 6.5 | 1.6 | |
| ★ G4011-1616R-3T17DX18 | 3 | 0.118 | 17 | 35 | 16 | 16 | 14.8 | 125 | 33.5 | 6.5 | 2.4 | DX18-3E3 .. DX18-3F3 .. |
| ★ G4011-1212L-2T12DX18 | 2 | 0.079 | 12 | 25 | 12 | 12 | 14.3 | 125 | 31.5 | 6.5 | 1.6 | DX18-2E2 .. |
| ★ G4011-1616L-2T17DX18 | | | 17 | 35 | 16 | 16 | 15.2 | 125 | 28 | 6.5 | 1.6 | |
| ★ G4011-1616L-3T17DX18 | 3 | 0.118 | 17 | 35 | 16 | 16 | 14.8 | 125 | 33.5 | 6.5 | 2.4 | DX18-3E3 .. DX18-3F3 .. |

Square shank

Dimensional drawing shows right-hand version. | $f_1 = f - s/2$ | If no D_{max} is specified, there is no diameter limit on the tool. | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] | 2-3 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | Allen key | FS1464 (T20IP) |

Accessories

| | s [mm] | 2-3 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

Shank tool – Radial grooving

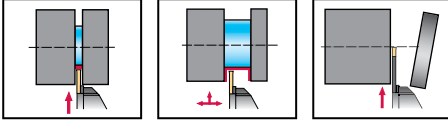
G4011

Walter Cut

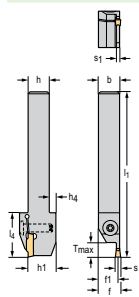


A2

– Screw clamping



Tool


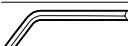


| Designation | s mm | s in | T _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | l ₄ mm | h ₄ mm | s ₁ mm | Type |
|------------------------|---------|---------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|
| ★ G4011-1616R-2T10DX18 | 2 | 0.079 | 10 | 16 | 16 | 14.8 | 125 | 33.5 | 6.5 | 2.4 | DX18-2E2 .. |
| ★ G4011-1616L-2T10DX18 | 2 | 0.079 | 10 | 16 | 16 | 15.2 | 125 | 28 | 6.5 | 1.6 | DX18-2E2 .. |

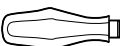


Square shank

Dimensional drawing shows right-hand version. | $f_1 = F - s/2$ | If no D_{max} is specified, there is no diameter limit on the tool. | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

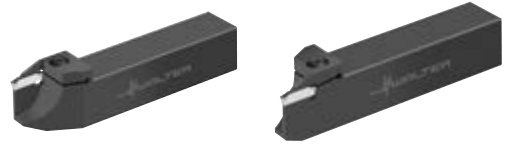
Assembly parts

| | s [mm] | 2 |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------|
|  | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
|  | Allen key | FS1464 (T20IP) |

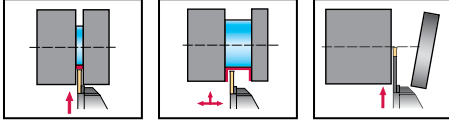
Accessories

| | s [mm] | 2 |
|-------------------------------------------------------------------------------------|-----------------------------|----------------|
|  | Torque screwdriver, analog | FS2003 |
|  | Torque screwdriver, digital | FS2248 |
|  | Interchangeable blade | FS2015 (T20IP) |

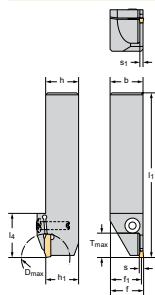
Shank tool – Radial grooving

G4011
Walter Cut


– Screw clamping



Tool



Square shank

| Designation | s mm | s in | T _{max} mm | D _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | l ₄ mm | s ₁ mm | Type |
|------------------------|---------|---------|------------------------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| ★ G4011-2020R-2T17DX18 | 2 | 0.079 | 17 | 120 | 20 | 20 | 19.2 | 125 | 33.5 | 1.6 | DX18-2E2 .. |
| G4011-2525R-2T17DX18 | | | 17 | 120 | 25 | 25 | 24.2 | 125 | 33.5 | 1.6 | |
| G4011-2525R-2.5T17DX18 | 2.5 | 0.098 | 17 | 120 | 25 | 25 | 24 | 125 | 33.5 | 2.1 | DX18-2E2.5 .. |
| ★ G4011-2020R-3T17DX18 | 3 | 0.118 | 17 | 120 | 20 | 20 | 18.8 | 125 | 33.5 | 2.4 | DX18-3E3 .. DX18-3F3 .. |
| G4011-2525R-3T17DX18 | | | 17 | 120 | 25 | 25 | 23.8 | 125 | 33.5 | 2.4 | |
| ★ G4011-2020L-2T17DX18 | 2 | 0.079 | 17 | 120 | 20 | 20 | 19.2 | 125 | 33.5 | 1.6 | DX18-2E2 .. |
| G4011-2525L-2T17DX18 | | | 17 | 120 | 25 | 25 | 24.2 | 125 | 33.5 | 1.6 | |
| G4011-2525L-2.5T17DX18 | 2.5 | 0.098 | 17 | 120 | 25 | 25 | 24 | 125 | 33.5 | 2.1 | DX18-2E2.5 .. |
| ★ G4011-2020L-3T17DX18 | 3 | 0.118 | 17 | 120 | 20 | 20 | 18.8 | 125 | 33.5 | 2.4 | DX18-3E3 .. DX18-3F3 .. |
| G4011-2525L-3T17DX18 | | | 17 | 120 | 25 | 25 | 23.8 | 125 | 33.5 | 2.4 | |

Dimensional drawing shows right-hand version. | $f_1 = f - s/2$ | If no D_{max} is specified, there is no diameter limit on the tool. | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] | 2-3 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | Allen key | FS1464 (T20IP) |

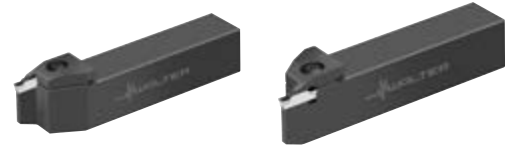
Accessories

| | s [mm] | 2-3 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

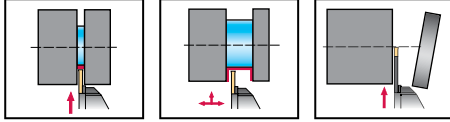
Shank tool – Radial grooving

G4011

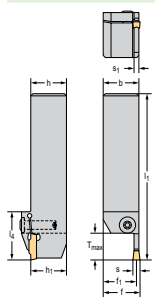
Walter Cut



– Screw clamping



Tool



Square shank

| Designation | s mm | s in | T _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | l ₄ mm | s ₁ mm | Type |
|----------------------|---------|---------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------------|
| G4011-2020R-2T10DX18 | 2 | 0.079 | 10 | 20 | 20 | 19.2 | 125 | 28 | 1.6 | DX18-2E2 .. |
| G4011-2525R-2T10DX18 | | | 10 | 25 | 25 | 24.2 | 125 | 28 | 1.6 | |
| G4011-1616R-3T10DX18 | 3 | 0.118 | 10 | 16 | 16 | 14.3 | 125 | 28 | 2.4 | DX18-3E3 .. DX18-3F3 .. |
| G4011-2020R-3T10DX18 | | | 10 | 20 | 20 | 18.8 | 125 | 28 | 2.4 | |
| G4011-2525R-3T10DX18 | | | 10 | 25 | 25 | 23.8 | 125 | 28 | 2.4 | |
| G4011-1616R-4T10DX18 | 4 | 0.157 | 10 | 16 | 16 | 14.3 | 125 | 28 | 3.4 | DX18-4E4 .. DX18-4F4 .. |
| G4011-2020R-4T10DX18 | | | 10 | 20 | 20 | 18.3 | 125 | 28 | 3.4 | |
| G4011-2020R-4T17DX18 | | | 17 | 20 | 20 | 18.3 | 125 | 33.5 | 3.4 | |
| G4011-2525R-4T10DX18 | | | 10 | 25 | 25 | 23.2 | 125 | 28 | 3.4 | |
| G4011-2525R-4T17DX18 | | | 17 | 25 | 25 | 23.2 | 125 | 33.5 | 3.4 | |
| G4011-2020L-2T10DX18 | 2 | 0.079 | 10 | 20 | 20 | 19.2 | 125 | 28 | 1.6 | DX18-2E2 .. |
| G4011-2525L-2T10DX18 | | | 10 | 25 | 25 | 24.2 | 125 | 28 | 1.6 | |
| G4011-2020L-3T10DX18 | 3 | 0.118 | 10 | 20 | 20 | 18.8 | 125 | 28 | 2.4 | DX18-3E3 .. DX18-3F3 .. |
| G4011-2525L-3T10DX18 | | | 10 | 25 | 25 | 23.8 | 125 | 28 | 2.4 | |
| G4011-2020L-4T10DX18 | 4 | 0.157 | 10 | 20 | 20 | 18.3 | 125 | 28 | 3.4 | DX18-4E4 .. DX18-4F4 .. |
| G4011-2020L-4T17DX18 | | | 17 | 20 | 20 | 18.3 | 125 | 33.5 | 3.4 | |
| G4011-2525L-4T10DX18 | | | 10 | 25 | 25 | 23.2 | 125 | 28 | 3.4 | |
| G4011-2525L-4T17DX18 | | | 17 | 25 | 25 | 23.2 | 125 | 33.5 | 3.4 | |

Dimensional drawing shows right-hand version. | $f_1 = f - s/2$ | $f = f_1 + s/2$ | If no D_{max} is specified, there is no diameter limit on the tool. | If no D_2 or D_{max} is specified, there is no diameter limit on the tool. | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] | 2–4 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | Allen key | FS1464 (T20IP) |

Accessories

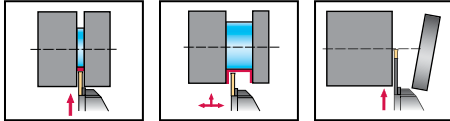
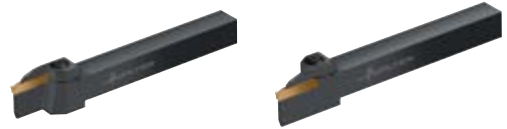
| | s [mm] | 2–4 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

Shank tool – Radial grooving

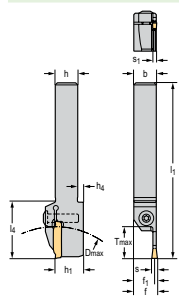
 G5011

Groov-tec™ GD

– Screw clamping



Tool



| Designation | s mm | s in | T _{max} mm | D _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | h ₄ mm | l ₄ mm | s ₁ mm | Type |
|----------------------|---------|---------|------------------------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------|
| G5011-1616R-3T21GD26 | 3 | 0.118 | 21 | 120 | 16 | 16 | 14.8 | 150 | 4 | 40 | 2.4 | GD26-3 .. |
| G5011-1616L-3T21GD26 | 3 | 0.118 | 21 | 120 | 16 | 16 | 14.8 | 150 | 4 | 40 | 2.4 | GD26-3 .. |

Square shank

 Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] | 3 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | Allen key | FS1464 (T20IP) |

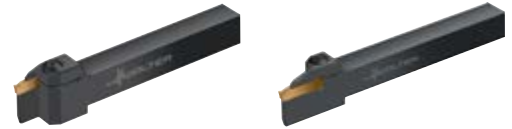
Accessories

| | s [mm] | 3 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

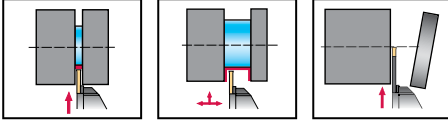
Shank tool – Radial grooving

G5011

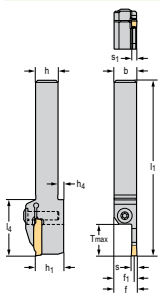
Groov-tec™ GD



– Screw clamping



Tool



| Designation | s mm | s in | T _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | h ₄ mm | l ₄ mm | s ₁ mm | Type |
|------------------------|---------|---------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------|
| ★ G5011-1616R-3T12GD26 | 3 | 0.118 | 12 | 16 | 16 | 14.8 | 135 | 4 | 35 | 2.4 | GD26-3 .. |
| ★ G5011-1616R-4T12GD26 | 4 | 0.157 | 12 | 16 | 16 | 14.3 | 135 | 4 | 35 | 3.4 | GD26-4 .. |
| G5011-1616R-4T21GD26 | | | 21 | 16 | 16 | 14.3 | 150 | 4 | 40 | 3.4 | |
| ★ G5011-1616R-5T12GD26 | 5 | 0.197 | 12 | 16 | 16 | 13.9 | 135 | 4 | 35 | 4.2 | GD26-5 .. |
| ★ G5011-1616L-3T12GD26 | 3 | 0.118 | 12 | 16 | 16 | 14.8 | 135 | 4 | 35 | 2.4 | GD26-3 .. |
| ★ G5011-1616L-4T21GD26 | 4 | 0.157 | 21 | 16 | 16 | 14.3 | 150 | 4 | 40 | 3.4 | GD26-4 .. |
| ★ G5011-1616L-5T12GD26 | 5 | 0.197 | 12 | 16 | 16 | 13.9 | 135 | 4 | 35 | 4.2 | GD26-5 .. |

Square shank

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

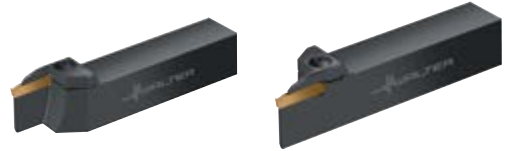
Assembly parts

| | s [mm] | 3–5 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | Allen key | FS1464 (T20IP) |

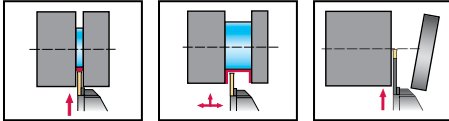
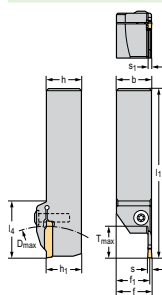
Accessories

| | s [mm] | 3–5 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

Shank tool – Radial grooving

G5011 mm
Groov-tec™ GD


– Screw clamping


Tool


Square shank

| Designation | s mm | s in | T _{max} mm | D _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | l ₄ mm | s ₁ mm | Type |
|------------------------|---------|---------|------------------------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|-----------|
| G5011-2012R-3T21GD26 | 3 | 0.118 | 21 | 120 | 20 | 12 | 10.8 | 145 | 40 | 2.4 | GD26-3 .. |
| G5011-2020R-3T21GD26 | | | 21 | 120 | 20 | 20 | 18.8 | 150 | 40 | 2.4 | |
| ★ G5011-2020R-3T26GD26 | | | 26 | 120 | 20 | 20 | 18.8 | 150 | 45 | 2.4 | |
| G5011-2525R-3T21GD26 | | | 21 | 120 | 25 | 25 | 23.8 | 150 | 40 | 2.4 | |
| ★ G5011-2525R-3T26GD26 | 4 | 0.157 | 26 | 120 | 25 | 25 | 23.8 | 150 | 45 | 2.4 | GD26-4 .. |
| ★ G5011-2525R-4T26GD26 | | | 26 | 120 | 25 | 25 | 23.3 | 150 | 45 | 3.4 | |
| G5011-2012L-3T21GD26 | 3 | 0.118 | 21 | 120 | 20 | 12 | 10.8 | 145 | 40 | 2.4 | GD26-3 .. |
| G5011-2020L-3T21GD26 | | | 21 | 120 | 20 | 20 | 18.8 | 150 | 40 | 2.4 | |
| ★ G5011-2020L-3T26GD26 | | | 26 | 120 | 20 | 20 | 18.8 | 150 | 45 | 2.4 | |
| G5011-2525L-3T21GD26 | | | 21 | 120 | 25 | 25 | 23.8 | 150 | 40 | 2.4 | |
| ★ G5011-2525L-3T26GD26 | 4 | 0.157 | 26 | 120 | 25 | 25 | 23.8 | 150 | 45 | 2.4 | GD26-4 .. |
| ★ G5011-2525L-4T26GD26 | | | 26 | 120 | 25 | 25 | 23.3 | 150 | 45 | 3.4 | |

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] b [mm] | 3 12 | 3-4 20-25 |
|--|---------------------------------------------------------|--------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS1473 (T15IP) 3.9 Nm | FS2118 (T20IP) 5 Nm |
| | Torx key | FS1465 (T15IP) | |
| | Allen key | | FS1464 (T20IP) |

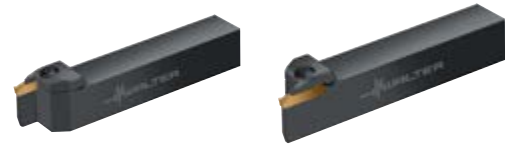
Accessories

| | s [mm] b [mm] | 3 12 | 3-4 20-25 |
|--|-----------------------------|----------------|----------------|
| | Torque screwdriver, analog | FS2003 | FS2003 |
| | Torque screwdriver, digital | FS2248 | FS2248 |
| | Interchangeable blade | FS2014 (T15IP) | FS2015 (T20IP) |

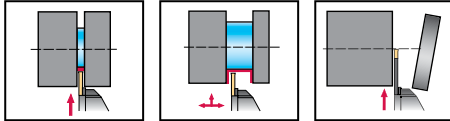
Shank tool – Radial grooving

G5011

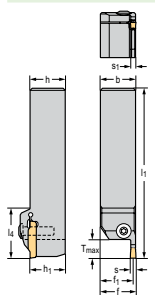
Groov-tec™ GD



– Screw clamping



Tool



Square shank




| Designation | s mm | s in | T _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | l ₄ mm | s ₁ mm | Type |
|------------------------|---------|---------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|-----------|
| G5011-2020R-3T12GD26 | 3 | 0.118 | 12 | 20 | 20 | 18.8 | 145 | 35 | 2.4 | GD26-3 .. |
| G5011-2525R-3T12GD26 | | | 12 | 25 | 25 | 23.8 | 145 | 35 | 2.4 | |
| G5011-2020R-4T12GD26 | 4 | 0.157 | 12 | 20 | 20 | 18.3 | 145 | 35 | 3.4 | GD26-4 .. |
| G5011-2020R-4T21GD26 | | | 21 | 20 | 20 | 18.3 | 150 | 40 | 3.4 | |
| G5011-2525R-4T12GD26 | | | 12 | 25 | 25 | 23.3 | 145 | 35 | 3.4 | |
| G5011-2525R-4T21GD26 | | | 21 | 25 | 25 | 23.3 | 150 | 40 | 3.4 | |
| ★ G5011-2525R-4T33GD26 | 5 | 0.197 | 33 | 25 | 25 | 23.3 | 150 | 55 | 3.4 | GD26-5 .. |
| ★ G5011-2020R-5T12GD26 | | | 12 | 20 | 20 | 17.9 | 145 | 35 | 4.2 | |
| G5011-2020R-5T21GD26 | | | 21 | 20 | 20 | 17.9 | 150 | 40 | 4.2 | |
| G5011-2525R-5T12GD26 | | | 12 | 25 | 25 | 22.9 | 145 | 35 | 4.2 | |
| G5011-2525R-5T21GD26 | | | 21 | 25 | 25 | 22.9 | 150 | 40 | 4.2 | |
| ★ G5011-2525R-5T33GD26 | | | 33 | 25 | 25 | 22.9 | 150 | 55 | 4.2 | |
| ★ G5011-2020R-6T12GD26 | 6 | 0.236 | 12 | 20 | 20 | 17.4 | 145 | 35 | 5.2 | GD26-6 .. |
| G5011-2020R-6T21GD26 | | | 21 | 20 | 20 | 17.4 | 150 | 40 | 5.2 | |
| G5011-2525R-6T12GD26 | | | 12 | 25 | 25 | 22.4 | 145 | 35 | 5.2 | |
| G5011-2525R-6T21GD26 | | | 21 | 25 | 25 | 22.8 | 150 | 40 | 5.2 | |
| ★ G5011-2525R-6T33GD26 | | | 33 | 25 | 25 | 22.4 | 150 | 55 | 5.2 | |
| G5011-2020L-3T12GD26 | 3 | 0.118 | 12 | 20 | 20 | 18.8 | 145 | 35 | 2.4 | GD26-3 .. |
| G5011-2525L-3T12GD26 | | | 12 | 25 | 25 | 23.8 | 145 | 35 | 2.4 | |
| G5011-2020L-4T12GD26 | 4 | 0.157 | 12 | 20 | 20 | 18.3 | 145 | 35 | 3.4 | GD26-4 .. |
| G5011-2020L-4T21GD26 | | | 21 | 20 | 20 | 18.3 | 150 | 40 | 3.4 | |
| G5011-2525L-4T12GD26 | | | 12 | 25 | 25 | 23.3 | 145 | 35 | 3.4 | |
| G5011-2525L-4T21GD26 | | | 21 | 25 | 25 | 23.3 | 150 | 40 | 3.4 | |
| ★ G5011-2525L-4T33GD26 | 5 | 0.197 | 33 | 25 | 25 | 23.3 | 150 | 55 | 3.4 | GD26-5 .. |
| ★ G5011-2020L-5T12GD26 | | | 12 | 20 | 20 | 17.9 | 145 | 35 | 4.2 | |
| G5011-2020L-5T21GD26 | | | 21 | 20 | 20 | 17.9 | 150 | 40 | 4.2 | |
| G5011-2525L-5T12GD26 | | | 12 | 25 | 25 | 22.9 | 145 | 35 | 4.2 | |
| G5011-2525L-5T21GD26 | | | 21 | 25 | 25 | 22.9 | 150 | 40 | 4.2 | |
| ★ G5011-2525L-5T33GD26 | | | 33 | 25 | 25 | 22.9 | 150 | 55 | 4.2 | |
| ★ G5011-2020L-6T12GD26 | 6 | 0.236 | 12 | 20 | 20 | 17.4 | 145 | 35 | 5.2 | GD26-6 .. |
| ★ G5011-2020L-6T21GD26 | | | 21 | 20 | 20 | 17.4 | 150 | 40 | 5.2 | |
| G5011-2525L-6T12GD26 | | | 12 | 25 | 25 | 22.4 | 145 | 35 | 5.2 | |
| G5011-2525L-6T21GD26 | | | 21 | 25 | 25 | 22.4 | 150 | 40 | 5.2 | |
| ★ G5011-2525L-6T33GD26 | | | 33 | 25 | 25 | 22.4 | 150 | 55 | 5.2 | |

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] | 3-6 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | Allen key | FS1464 (T20IP) |

A2

| Accessories | | |
|-----------------------------------------------------------------------------------|-----------------------------|----------------|
| | s [mm] | 3-6 |
|  | Torque screwdriver, analog | FS2003 |
|  | Torque screwdriver, digital | FS2248 |
|  | Interchangeable blade | FS2015 (T20IP) |

Shank tool – Radial grooving

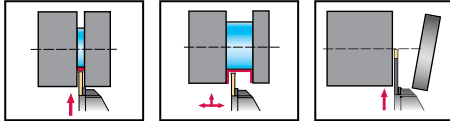
G5011...-P

Groov-tec™ GD

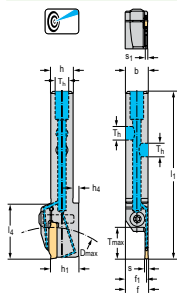
- Screw clamping
- Precision cooling



A2



Tool



| Designation | s mm | s in | T _{max} mm | D _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | h ₄ mm | l ₄ mm | s ₁ mm | T _h | Type |
|--------------------------|---------|---------|------------------------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|-------------|
| G5011-1616R-2.5T21GD26-P | 2.5 | 0.098 | 21 | 120 | 16 | 16 | 15 | 120 | 4 | 40 | 2.1 | G1/8" | GD26-2.5 .. |
| ★ G5011-1616R-3T21GD26-P | 3 | 0.118 | 21 | 120 | 16 | 16 | 14.8 | 120 | 4 | 40 | 2.4 | G 1/8" | GD26-3 .. |
| G5011-1616L-2.5T21GD26-P | 2.5 | 0.098 | 21 | 120 | 16 | 16 | 15 | 120 | 4 | 40 | 2.1 | G1/8" | GD26-2.5 .. |
| ★ G5011-1616L-3T21GD26-P | 3 | 0.118 | 21 | 120 | 16 | 16 | 14.8 | 120 | 4 | 40 | 2.4 | G 1/8" | GD26-3 .. |

Square shank

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] | 2.5-3 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | G 1/8" threaded plug | FS2258 (SW 2) |
| | Allen key | FS1464 (T20IP) |

Accessories

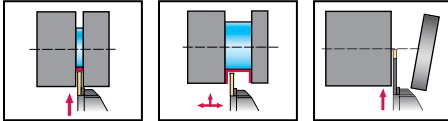
| | s [mm] | 2.5-3 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

Shank tool – Radial grooving

 G5011...-P

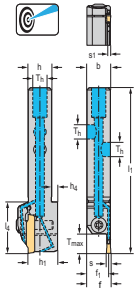
Groov-tec™ GD

- Screw clamping
- Precision cooling



Tool

| Designation | s mm | s in | T _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | h ₄ mm | l ₄ mm | s ₁ mm | T _h | Type |
|--------------------------|---------|---------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|-----------|
| ★ G5011-1616R-3T12GD26-P | 3 | 0.118 | 12 | 16 | 16 | 14.8 | 120 | 4 | 35 | 2.4 | G 1/8" | GD26-3 .. |
| ★ G5011-1616R-4T12GD26-P | 4 | 0.157 | 12 | 16 | 16 | 14.3 | 120 | 4 | 35 | 3.4 | G 1/8" | GD26-4 .. |
| ★ G5011-1616L-3T12GD26-P | 3 | 0.118 | 12 | 16 | 16 | 14.8 | 120 | 4 | 35 | 2.4 | G 1/8" | GD26-3 .. |



Square shank

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] | 3-4 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | G 1/8" threaded plug | FS2258 (SW 2) |
| | Allen key | FS1464 (T20IP) |

Accessories

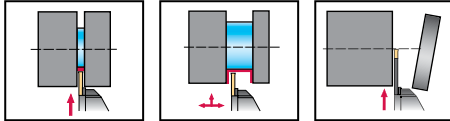
| | s [mm] | 3-4 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

Shank tool – Radial grooving

G5011...-P

Groov-tec™ GD

- Screw clamping
- Precision cooling



Tool

| Designation | s mm | s in | T _{max} mm | D _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | l ₄ mm | s ₁ mm | T _h | Type |
|--------------------------|---------|---------|------------------------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------|-----------|
| G5011-2020R-3T21GD26-P | 3 | 0.118 | 21 | 120 | 20 | 20 | 18.8 | 125 | 40 | 2.4 | G1/8" | GD26-3 .. |
| * G5011-2020R-3T26GD26-P | | | 26 | 120 | 20 | 20 | 18.8 | 130 | 45 | 2.4 | G1/8" | |
| G5011-2525R-3T21GD26-P | | | 21 | 120 | 25 | 25 | 23.8 | 130 | 40 | 2.4 | G1/8" | |
| * G5011-2525R-3T26GD26-P | 4 | 0.157 | 26 | 120 | 25 | 25 | 23.8 | 135 | 45 | 2.4 | G1/8" | GD26-4 .. |
| * G5011-2525R-4T26GD26-P | | | 26 | 120 | 25 | 25 | 23.3 | 135 | 45 | 3.4 | G1/8" | |
| G5011-2020L-3T21GD26-P | | | 21 | 120 | 20 | 20 | 18.8 | 125 | 40 | 2.4 | G1/8" | |
| * G5011-2020L-3T26GD26-P | 3 | 0.118 | 26 | 120 | 20 | 20 | 18.8 | 130 | 45 | 2.4 | G1/8" | GD26-3 .. |
| G5011-2525L-3T21GD26-P | | | 21 | 120 | 25 | 25 | 23.8 | 130 | 40 | 2.4 | G1/8" | |
| * G5011-2525L-3T26GD26-P | | | 26 | 120 | 25 | 25 | 23.8 | 135 | 45 | 2.4 | G1/8" | |
| * G5011-2525L-4T26GD26-P | 4 | 0.157 | 26 | 120 | 25 | 25 | 23.3 | 135 | 45 | 3.4 | G1/8" | GD26-4 .. |

Square shank

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] | 3-4 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | G 1/8" threaded plug | FS2258 (SW 2) |
| | Allen key | FS1464 (T20IP) |

Accessories

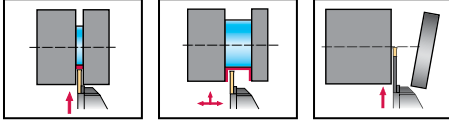
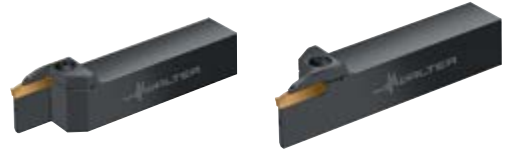
| | s [mm] | 3-4 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

Shank tool – Radial grooving

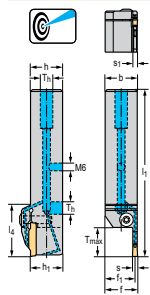
G5011...-P

Groov-tec™ GD

- Screw clamping
- Precision cooling



Tool



Square shank





| Designation | s mm | s in | T _{max} mm | h = h ₁ mm | b mm | f ₁ mm | l ₁ mm | l ₄ mm | s ₁ mm | T _h | Type |
|--------------------------|---------|---------|------------------------|--------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------|-----------|
| ★ G5011-2020R-3T12GD26-P | 3 | 0.118 | 12 | 20 | 20 | 18.8 | 120 | 35 | 2.4 | G1/8" | GD26-3 .. |
| ★ G5011-2525R-3T12GD26-P | | | 12 | 25 | 25 | 23.8 | 125 | 35 | 2.4 | G1/8" | |
| ★ G5011-2020R-4T12GD26-P | 4 | 0.157 | 12 | 20 | 20 | 18.3 | 120 | 35 | 3.4 | G1/8" | GD26-4 .. |
| G5011-2020R-4T21GD26-P | | | 21 | 20 | 20 | 18.3 | 125 | 40 | 3.4 | G1/8" | |
| ★ G5011-2525R-4T12GD26-P | | | 12 | 25 | 25 | 23.3 | 125 | 35 | 3.4 | G1/8" | |
| G5011-2525R-4T21GD26-P | | | 21 | 25 | 25 | 23.3 | 130 | 40 | 3.4 | G1/8" | |
| ★ G5011-2525R-4T33GD26-P | 5 | 0.197 | 33 | 25 | 25 | 23.3 | 145 | 55 | 3.4 | G1/8" | |
| G5011-2020R-5T12GD26-P | | | 12 | 20 | 20 | 17.9 | 120 | 35 | 4.2 | G1/8" | GD26-5 .. |
| ★ G5011-2020R-5T21GD26-P | | | 21 | 20 | 20 | 17.9 | 125 | 40 | 4.2 | G1/8" | |
| ★ G5011-2525R-5T12GD26-P | | | 12 | 25 | 25 | 22.9 | 125 | 35 | 4.2 | G1/8" | |
| G5011-2525R-5T21GD26-P | 6 | 0.236 | 21 | 25 | 25 | 22.9 | 130 | 40 | 4.2 | G1/8" | |
| ★ G5011-2525R-5T33GD26-P | | | 33 | 25 | 25 | 22.9 | 145 | 55 | 4.2 | G1/8" | |
| G5011-2525R-6T12GD26-P | | | 12 | 25 | 25 | 22.4 | 125 | 35 | 5.2 | G1/8" | GD26-6 .. |
| ★ G5011-2525R-6T21GD26-P | | | 21 | 25 | 25 | 22.4 | 130 | 40 | 5.2 | G1/8" | |
| ★ G5011-2525R-6T33GD26-P | 3 | 0.118 | 33 | 25 | 25 | 22.4 | 145 | 55 | 5.2 | G1/8" | |
| G5011-2020L-3T12GD26-P | | | 12 | 20 | 20 | 18.8 | 120 | 35 | 2.4 | G1/8" | GD26-3 .. |
| ★ G5011-2525L-3T12GD26-P | 4 | 0.157 | 12 | 25 | 25 | 23.8 | 125 | 35 | 2.4 | G1/8" | |
| G5011-2020L-4T12GD26-P | | | 12 | 20 | 20 | 18.3 | 120 | 35 | 3.4 | G1/8" | GD26-4 .. |
| ★ G5011-2020L-4T21GD26-P | 5 | 0.197 | 21 | 20 | 20 | 18.3 | 125 | 40 | 3.4 | G1/8" | |
| G5011-2020L-4T33GD26-P | | | 33 | 25 | 25 | 23.3 | 145 | 55 | 3.4 | G1/8" | |
| ★ G5011-2525L-4T12GD26-P | | | 12 | 25 | 25 | 23.3 | 125 | 35 | 3.4 | G1/8" | |
| G5011-2525L-4T21GD26-P | | | 21 | 25 | 25 | 23.3 | 130 | 40 | 3.4 | G1/8" | |
| ★ G5011-2525L-4T33GD26-P | 6 | 0.236 | 33 | 25 | 25 | 23.3 | 145 | 55 | 3.4 | G1/8" | |
| G5011-2020L-5T12GD26-P | | | 12 | 20 | 20 | 17.9 | 120 | 35 | 4.2 | G1/8" | GD26-5 .. |
| ★ G5011-2020L-5T21GD26-P | | | 21 | 20 | 20 | 17.9 | 125 | 40 | 4.2 | G1/8" | |
| ★ G5011-2525L-5T12GD26-P | | | 12 | 25 | 25 | 22.9 | 125 | 35 | 4.2 | G1/8" | |
| G5011-2525L-5T21GD26-P | 6 | 0.236 | 21 | 25 | 25 | 22.9 | 130 | 40 | 4.2 | G1/8" | |
| ★ G5011-2525L-5T33GD26-P | | | 33 | 25 | 25 | 22.9 | 145 | 55 | 4.2 | G1/8" | |
| ★ G5011-2525L-6T12GD26-P | | | 12 | 25 | 25 | 22.4 | 125 | 35 | 5.2 | G1/8" | GD26-6 .. |
| ★ G5011-2525L-6T21GD26-P | | | 21 | 25 | 25 | 22.4 | 130 | 40 | 5.2 | G1/8" | |
| ★ G5011-2525L-6T33GD26-P | | | 33 | 25 | 25 | 22.4 | 145 | 55 | 5.2 | G1/8" | |

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [mm] | 3-6 |
|--|---------------------------------------------------------|------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 5 Nm |
| | G 1/8" threaded plug | FS2258 (SW 2) |
| | Allen key | FS1464 (T20IP) |

Accessories

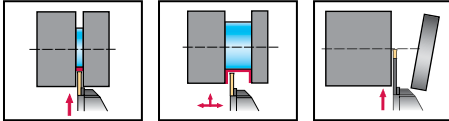
| | s [mm] | 3-6 | 4 |
|-----------------------------------------------------------------------------------|-----------------------------|----------------|----------------|
|  | Allen key | | FS1464 (T20IP) |
|  | Torque screwdriver, analog | FS2003 | FS2003 |
|  | Torque screwdriver, digital | FS2248 | FS2248 |
|  | Interchangeable blade | FS2015 (T20IP) | FS2015 (T20IP) |

A2

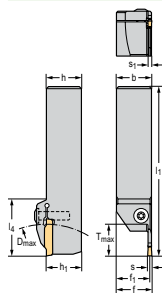
Shank tool – Radial grooving

G5011 inch
Groov-tec™ GD


– Screw clamping



Tool



Square shank

| Designation | s mm | s inch | T _{max} inch | D _{max} inch | h = h ₁ inch | b inch | f ₁ inch | l ₁ inch | l ₄ inch | s ₁ inch | Type |
|----------------------|---------|-----------|--------------------------|--------------------------|----------------------------|-----------|------------------------|------------------------|------------------------|------------------------|-----------|
| G5011.10R-3T21GD26 | 3 | 0.118 | 0.827 | 4.724 | 0.625 | 0.625 | 0.578 | 5.315 | 1.575 | 0.094 | GD26-3 .. |
| G5011.12R-3T21GD26 | | | 0.827 | 4.724 | 0.750 | 0.750 | 0.703 | 5.906 | 1.575 | 0.094 | |
| G5011.16R-3T21GD26 | | | 0.827 | 4.724 | 1.000 | 1.000 | 0.953 | 5.906 | 1.575 | 0.094 | |
| ★ G5011.16R-3T26GD26 | | | 1.024 | 4.724 | 1.000 | 1.000 | 0.953 | 5.906 | 1.772 | 0.094 | |
| ★ G5011.20R-3T21GD26 | | | 0.827 | 4.724 | 1.250 | 1.250 | 1.203 | 5.906 | 1.575 | 0.094 | |
| ★ G5011.16R-4T26GD26 | 4 | 0.157 | 1.024 | 4.724 | 1.000 | 1.000 | 0.933 | 5.906 | 1.772 | 0.134 | GD26-4 .. |
| ★ G5011.16R-4T33GD26 | | | 1.299 | 4.724 | 1.000 | 1.000 | 0.933 | 5.906 | 2.165 | 0.134 | |
| G5011.10L-3T21GD26 | 3 | 0.118 | 0.827 | 4.724 | 0.625 | 0.625 | 0.578 | 5.315 | 1.575 | 0.094 | GD26-3 .. |
| G5011.12L-3T21GD26 | | | 0.827 | 4.724 | 0.750 | 0.750 | 0.703 | 5.906 | 1.575 | 0.094 | |
| G5011.16L-3T21GD26 | | | 0.827 | 4.724 | 1.000 | 1.000 | 0.953 | 5.906 | 1.575 | 0.094 | |
| ★ G5011.16L-3T26GD26 | | | 1.024 | 4.724 | 1.000 | 1.000 | 0.953 | 5.906 | 1.772 | 0.094 | |
| ★ G5011.16L-4T26GD26 | | | 1.024 | 4.724 | 1.000 | 1.000 | 0.933 | 5.906 | 1.772 | 0.134 | |

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [inch] | 0.118–0.157 |
|--|---------------------------------------------------------|--------------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 3.688 ft lbs |
| | Allen key | FS1464 (T20IP) |

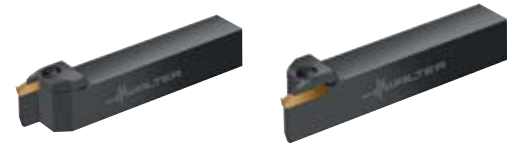
Accessories

| | s [inch] | 0.118 | 0.157 |
|--|-----------------------------|----------------|----------------|
| | Torque screwdriver, analog | FS2004 | FS2004 |
| | Torque screwdriver, digital | FS2248 | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) | FS2015 (T20IP) |

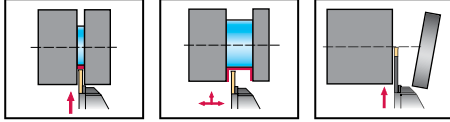
Shank tool – Radial grooving

G5011 inch

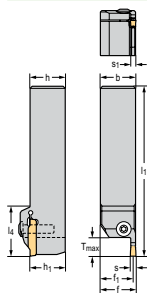
Groov-tec™ GD



– Screw clamping



Tool



Square shank

| Designation | s mm | s inch | T _{max} inch | h = h ₁ inch | b inch | f ₁ inch | l ₁ inch | l ₄ inch | s ₁ inch | Type |
|----------------------|---------|-----------|--------------------------|----------------------------|-----------|------------------------|------------------------|------------------------|------------------------|-----------|
| G5011.12R-3T12GD26 | 3 | 0.118 | 0.472 | 0.750 | 0.750 | 0.703 | 5.709 | 1.378 | 0.094 | GD26-3 .. |
| G5011.16R-3T12GD26 | | | 0.472 | 1.000 | 1.000 | 0.953 | 5.709 | 1.378 | 0.094 | |
| ★ G5011.12R-4T12GD26 | 4 | 0.157 | 0.472 | 0.750 | 0.750 | 0.683 | 5.709 | 1.378 | 0.134 | GD26-4 .. |
| G5011.12R-4T21GD26 | | | 0.827 | 0.750 | 0.750 | 0.683 | 5.906 | 1.575 | 0.134 | |
| G5011.16R-4T12GD26 | | | 0.472 | 1.000 | 1.000 | 0.933 | 5.709 | 1.378 | 0.134 | |
| G5011.16R-4T21GD26 | 5 | 0.197 | 0.827 | 1.000 | 1.000 | 0.933 | 5.906 | 1.575 | 0.134 | GD26-5 .. |
| ★ G5011.12R-5T12GD26 | | | 0.827 | 0.750 | 0.750 | 0.667 | 5.906 | 1.575 | 0.165 | |
| ★ G5011.16R-5T12GD26 | | | 0.827 | 1.000 | 1.000 | 0.917 | 5.906 | 1.575 | 0.165 | |
| ★ G5011.16R-5T33GD26 | 6 | 0.236 | 1.299 | 1.000 | 1.000 | 0.917 | 5.906 | 2.165 | 0.165 | GD26-6 .. |
| ★ G5011.16R-6T12GD26 | | | 0.472 | 1.000 | 1.000 | 0.898 | 5.709 | 1.378 | 0.205 | |
| ★ G5011.16R-6T21GD26 | | | 0.827 | 1.000 | 1.000 | 0.898 | 5.906 | 1.575 | 0.205 | |
| ★ G5011.16R-6T33GD26 | | | 1.299 | 1.000 | 1.000 | 0.898 | 5.906 | 2.165 | 0.205 | |
| ★ G5011.20R-6T33GD26 | 3 | 0.118 | 1.299 | 1.250 | 1.250 | 1.148 | 5.906 | 2.165 | 0.205 | GD26-6 .. |
| ★ G5011.12L-3T12GD26 | | | 0.472 | 0.750 | 0.750 | 0.703 | 5.709 | 1.378 | 0.094 | |
| ★ G5011.16L-3T12GD26 | 4 | 0.157 | 0.472 | 1.000 | 1.000 | 0.953 | 5.709 | 1.378 | 0.094 | GD26-3 .. |
| ★ G5011.12L-4T12GD26 | | | 0.472 | 0.750 | 0.750 | 0.683 | 5.709 | 1.378 | 0.134 | |
| G5011.12L-4T21GD26 | | | 0.827 | 0.750 | 0.750 | 0.683 | 5.906 | 1.575 | 0.134 | |
| G5011.16L-4T21GD26 | 5 | 0.197 | 0.827 | 1.000 | 1.000 | 0.933 | 5.906 | 1.575 | 0.134 | GD26-4 .. |
| ★ G5011.12L-5T12GD26 | | | 0.827 | 0.750 | 0.750 | 0.667 | 5.906 | 1.575 | 0.165 | |
| ★ G5011.16L-5T12GD26 | | | 0.827 | 1.000 | 1.000 | 0.917 | 5.906 | 1.575 | 0.165 | |
| ★ G5011.16L-6T12GD26 | 6 | 0.236 | 0.472 | 1.000 | 1.000 | 0.898 | 5.709 | 1.378 | 0.205 | GD26-5 .. |
| ★ G5011.16L-6T21GD26 | | | 0.827 | 1.000 | 1.000 | 0.898 | 5.906 | 1.575 | 0.205 | |
| ★ G5011.16L-6T33GD26 | 6 | 0.236 | 0.472 | 1.000 | 1.000 | 0.898 | 5.709 | 1.378 | 0.205 | GD26-6 .. |
| ★ G5011.16L-6T21GD26 | | | 0.827 | 1.000 | 1.000 | 0.898 | 5.906 | 1.575 | 0.205 | |

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [inch] | 0.118–0.236 |
|--|---------------------------------------------------------|--------------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 3.688 ft lbs |
| | Allen key | FS1464 (T20IP) |

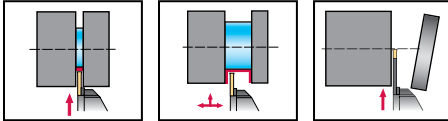
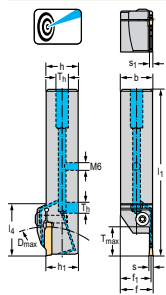
Accessories

| | s [inch] | 0.118 | 0.157 | 0.197–0.236 |
|--|-----------------------------|----------------|----------------|----------------|
| | Torque screwdriver, analog | FS2003 | FS2004 | FS2004 |
| | Torque screwdriver, digital | FS2248 | FS2248 | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) | FS2015 (T20IP) | FS2015 (T20IP) |

Shank tool – Radial grooving

 G5011...-P inch
Groov-tec™ GD

- Screw clamping
- Precision cooling


Tool


| Designation | s mm | s inch | T _{max} inch | D _{max} inch | h = h ₁ inch | b inch | f ₁ inch | l ₁ inch | l ₄ inch | s ₁ inch | T _h | Type |
|------------------------|---------|-----------|--------------------------|--------------------------|----------------------------|-----------|------------------------|------------------------|------------------------|------------------------|----------------|-----------|
| G5011.12R-3T21GD26-P | 3 | 0.118 | 0.827 | 4.724 | 0.750 | 0.750 | 0.703 | 5.118 | 1.575 | 0.094 | G1/8" | GD26-3 .. |
| G5011.16R-3T21GD26-P | | | 0.827 | 4.724 | 1.000 | 1.000 | 0.953 | 5.118 | 1.575 | 0.094 | G1/8" | |
| ★ G5011.16R-3T26GD26-P | | | 1.024 | 4.724 | 1.000 | 1.000 | 0.953 | 5.315 | 1.772 | 0.094 | G1/8" | |
| ★ G5011.16R-4T26GD26-P | 4 | 0.157 | 1.024 | 4.724 | 1.000 | 1.000 | 0.933 | 5.315 | 1.772 | 0.134 | G1/8" | GD26-4 .. |
| ★ G5011.16R-4T33GD26-P | | | 1.299 | 4.724 | 1.000 | 1.000 | 0.933 | 5.709 | 2.165 | 0.134 | G1/8" | |
| G5011.12L-3T21GD26-P | 3 | 0.118 | 0.827 | 4.724 | 0.750 | 0.750 | 0.703 | 5.118 | 1.575 | 0.094 | G1/8" | GD26-3 .. |
| G5011.16L-3T21GD26-P | | | 0.827 | 4.724 | 1.000 | 1.000 | 0.953 | 5.118 | 1.575 | 0.094 | G1/8" | |
| ★ G5011.16L-3T26GD26-P | | | 1.024 | 4.724 | 1.000 | 1.000 | 0.953 | 5.315 | 1.772 | 0.094 | G1/8" | |
| ★ G5011.16L-4T26GD26-P | 4 | 0.157 | 1.024 | 4.724 | 1.000 | 1.000 | 0.933 | 5.315 | 1.772 | 0.134 | G1/8" | GD26-4 .. |

Square shank

 Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | s [inch] | 0.118–0.157 |
|--|---------------------------------------------------------|--------------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 3.688 ft lbs |
| | G 1/8" threaded plug | FS2258 (SW 2) |
| | Allen key | FS1464 (T20IP) |

Accessories

| | s [inch] | 0.118–0.157 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2004 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

Shank tool – Radial grooving

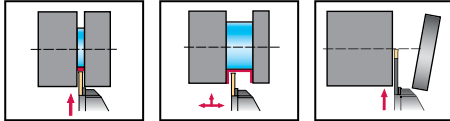
G5011...-P inch

Groov-tec™ GD

- Screw clamping
- Precision cooling



A2



Tool

| Designation | s mm | s inch | T _{max} inch | h = h ₁ inch | b inch | f ₁ inch | l ₁ inch | l ₂ inch | s ₁ inch | T _h | Type |
|----------------------------------------------------------------------------|---------|-----------|--------------------------|----------------------------|-----------|------------------------|------------------------|------------------------|------------------------|----------------|-----------|
| ★ G5011.16R-4T12GD26-P G5011.16R-4T21GD26-P | 3 | 0.157 | 0.472 | 1.000 | 1.000 | 0.933 | 4.921 | 1.378 | 0.134 | G1/8" | GD26-4 .. |
| | | | 0.827 | 1.000 | 1.000 | 0.933 | 5.118 | 1.575 | 0.134 | G1/8" | |
| ★ G5011.12R-5T21GD26-P ★ G5011.16R-5T12GD26-P ★ G5011.16R-5T21GD26-P | 4 | 0.197 | 0.827 | 0.750 | 0.750 | 0.667 | 5.118 | 1.575 | 0.165 | G1/8" | GD26-5 .. |
| | | | 0.472 | 1.000 | 1.000 | 0.917 | 4.921 | 1.378 | 0.165 | G1/8" | |
| | | | 0.827 | 1.000 | 1.000 | 0.917 | 5.118 | 1.575 | 0.165 | G1/8" | |
| ★ G5011.16R-6T21GD26-P | 6 | 0.236 | 0.827 | 1.000 | 1.000 | 0.898 | 5.118 | 1.575 | 0.205 | G1/8" | GD26-6 .. |
| ★ G5011.16L-5T12GD26-P ★ G5011.16L-5T21GD26-P | 4 | 0.197 | 0.472 | 1.000 | 1.000 | 0.917 | 4.921 | 1.378 | 0.165 | G1/8" | GD26-5 .. |
| | | | 0.827 | 1.000 | 1.000 | 0.917 | 5.118 | 1.575 | 0.165 | G1/8" | |

Square shank

Dimensional drawing shows right-hand version. | $f = f_1 + s/2$ | $f_1 = f - s/2$ | The maximum recommended coolant pressure is 150 bar (2175 psi) | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts











| | s [inch] | 0.157–0.236 |
|--|---------------------------------------------------------|--------------------------------|
| | Clamping screw for grooving insert Tightening torque | FS2118 (T20IP) 3.688 ft lbs |
| | G 1/8" threaded plug | FS2258 (SW 2) |
| | Allen key | FS1464 (T20IP) |











Accessories

| | s [inch] | 0.157–0.236 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2004 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2015 (T20IP) |

A3

Indexable inserts











| Machining | External machining | | | | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Indexable inserts |  |  |  |  |  |
| Thread type | 55° partial profile | 60° partial profile | full profile, ACME / STUB ACME 29° | full profile, American NPT 60° | full profile, American NPTF 60° |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ● | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | | | | | |
| Pitch P [mm] | 0.5–3.0 | 0.5–5.0 | | | |
| Pitch in threads per inch [TPI] | 8.0–48.0 | 5.0–48.0 | 5.0–16.0 | 8.0–27.0 | 11.5–18.0 |
| Page in catalog | | | | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | TS | TS | TS | TS | TS |











| Machining | External machining | | | | |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Indexable inserts |  |  |  |  |  |
| Thread type | full profile, American UN 60° | full profile, American UNJ 60° | full profile, BSPT 55° | full profile, BUT 45° | full profile, ISO metric 60° |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ● | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | | | | | |
| Pitch P [mm] | | | | | 0.5–5.0 |
| Pitch in threads per inch [TPI] | 6.0–40.0 | 8.0–32.0 | 11.0–19.0 | 12.0 | |
| Page in catalog | | | | | |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | TS | TS | TS | TS | TS |

WALTER SELECT

●● Primary application ● Other application

Indexable inserts

| Machining | External machining | | | Internal machining | |
|-----------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| |  |  |  |  |  |
| Indexable inserts | | | | NEW | NEW |
| Thread type | full profile, RD 30° | full profile, TR 30° | full profile, Whitworth 55° | 55° partial profile | 60° partial profile |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ● | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | | | | | |
| Pitch P [mm] | | 2.0–5.0 | | 0.5–3.0 | 0.5–5.0 |
| Pitch in threads per inch [TPI] | 6.0–8.0 | | 7.0–28.0 | 14.0–48.0 | 5.0–48.0 |
| Page in catalog | | | | 128 | 127 |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | TS | TS | TS | TS | TS |

| Machining | Internal machining | | | | |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| |  |  |  |  |  |
| Indexable inserts | NEW | NEW | NEW | NEW | NEW |
| Thread type | full profile, ACME / STUB ACME 29° | full profile, American NPT 60° | full profile, American NPTF 60° | full profile, American UN 60° | full profile, BSPT 55° |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ● | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | | | | | |
| Pitch P [mm] | | 1.5 | | 1.75–3.0 | |
| Pitch in threads per inch [TPI] | 5.0–16.0 | 8.0–18.0 | 11.5–14.0 | 5.0–64.0 | 11.0–19.0 |
| Page in catalog | 139 | 136 | 137 | 131 | 135 |
| QR code |  |  |  |  |  |
| www.walter-tools.com/woc/ | TS | TS | TS | TS | TS |

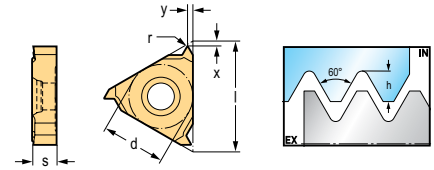
Indexable inserts

| Machining | Internal machining | | | | |
|--------------------------------------------------------------------------|-----------------------|------------------------------|----------------------|----------------------|-----------------------------|
| | NEW | NEW | NEW | NEW | NEW |
| Indexable inserts | | | | | |
| Thread type | full profile, BUT 45° | full profile, ISO metric 60° | full profile, RD 30° | full profile, TR 30° | full profile, Whitworth 55° |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ● | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | | | | | |
| Pitch P [mm] | | 0.5–5.0 | | 2.0–5.0 | |
| Pitch in threads per inch [TPI] | 12.0 | 5.08–50.8 | 6.0–8.0 | | 5.0–28.0 |
| Page in catalog | 140 | 129 | 138 | 138 | 133 |
| QR code | | | | | |
| www.walter-tools.com/woc/ | TS | TS | TS | TS | TS |

Internal thread turning inserts – 60° partial profile

TS

Tiger-tec® Gold



Indexable inserts

| | Designation | TP mm | TPI [Threads/ Inch] | Z | r in | l in | d in | h in | X in | Y in | P | | M | | S | | | |
|--|-----------------|----------|---------------------------|---|---------|---------|---------|---------|---------|---------|----|--------|----|--------|----|--------|----|--------|
| | | | | | | | | | | | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS09-IR-A60 | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.378 | 0.219 | 0.052 | 0.028 | 0.031 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS11-IR-A60 | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.433 | 0.25 | 0.052 | 0.028 | 0.031 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS16-IR-A60 | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.63 | 0.375 | 0.095 | 0.028 | 0.031 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS16-IR-AG60 | 0.5-3 | 8-48 | 1 | 0.003 | 0.63 | 0.375 | 0.092 | 0.043 | 0.059 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS16-IR-G60 | 1.75-3 | 8-14 | 1 | 0.005 | 0.63 | 0.375 | 0.091 | 0.043 | 0.059 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS22-IR-N60 | 3.5-5 | 5-7 | 1 | 0.01 | 0.866 | 0.5 | 0.128 | 0.071 | 0.098 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS11-IL-A60 | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.433 | 0.25 | 0.052 | 0.028 | 0.031 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS16-IL-A60 | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.63 | 0.375 | 0.05 | 0.028 | 0.031 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS16-IL-AG60 | 0.5-3 | 8-48 | 1 | 0.003 | 0.63 | 0.375 | 0.092 | 0.043 | 0.059 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS16-IL-G60 | 1.75-3 | 8-14 | 1 | 0.005 | 0.63 | 0.375 | 0.091 | 0.043 | 0.059 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS22-IL-N60 | 3.5-5 | 5-7 | 1 | 0.01 | 0.866 | 0.5 | 0.131 | 0.071 | 0.098 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS11-IR-A60-F5 | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.433 | 0.25 | 0.052 | 0.028 | 0.031 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS16-IR-AG60-F5 | 0.5-3 | 8-48 | 1 | 0.003 | 0.63 | 0.375 | 0.094 | 0.043 | 0.059 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |
| | TS16-IR-G60-F5 | 1.75-3 | 8-14 | 1 | 0.005 | 0.63 | 0.375 | 0.096 | 0.047 | 0.059 | HC | WMP22G | HC | WMP32G | HC | WMP22G | HC | WMP32G |

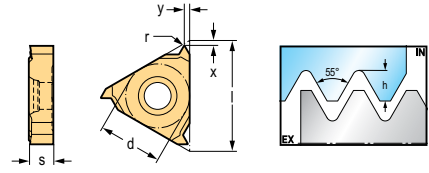
Dimensional drawing shows right-hand version.
Ordering example for the grade WMP32G: TS09-IR-A60 WMP32G

HC = Coated carbide

Internal thread turning inserts – 55° partial profile




TS

Tiger-tec® Gold



A3

Indexable inserts

| Designation | TP mm | TPI [Threads/ Inch] | Z | r in | l in | d in | h in | X in | Y in | P | M | S |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|---|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| | | | | | | | | | | HC | HC | HC |
|  TS09-IR-A55 TS11-IR-A55 TS16-IR-A55 TS16-IR-AG55 TS16-IR-G55 | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.378 | 0.219 | 0.055 | 0.028 | 0.031 | WMP32G | WMP32G | WMP32G |
| | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.433 | 0.25 | 0.055 | 0.024 | 0.031 | HC | HC | HC |
| | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.63 | 0.375 | 0.053 | 0.024 | 0.031 | HC | HC | HC |
| | 0.5-3 | 8-48 | 1 | 0.003 | 0.63 | 0.375 | 0.095 | 0.043 | 0.059 | HC | HC | HC |
| | 1.75-3 | 8-14 | 1 | 0.008 | 0.63 | 0.375 | 0.09 | 0.043 | 0.059 | HC | HC | HC |
|  TS16-IL-A55 TS16-IL-AG55 TS16-IL-G55 | 0.5-1.5 | 16-48 | 1 | 0.003 | 0.63 | 0.375 | 0.053 | 0.024 | 0.031 | HC | HC | HC |
| | 0.5-3 | 8-48 | 1 | 0.003 | 0.63 | 0.375 | 0.095 | 0.043 | 0.059 | HC | HC | HC |
| | 1.75-3 | 8-14 | 1 | 0.008 | 0.63 | 0.375 | 0.09 | 0.043 | 0.059 | HC | HC | HC |
|  TS16-IR-AG55-F5 TS16-IR-G55-F5 | 0.5-3 | 8-48 | 1 | 0.003 | 0.63 | 0.375 | 0.095 | 0.043 | 0.059 | HC | HC | HC |
| | 1.75-3 | 8-14 | 1 | 0.008 | 0.63 | 0.375 | 0.089 | 0.043 | 0.059 | HC | HC | HC |

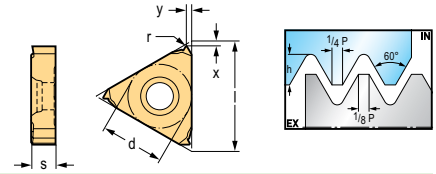
 Dimensional drawing shows right-hand version.
 Ordering example for the grade WMP32G: TS09-IR-A55 WMP32G

HC = Coated carbide

Internal thread turning inserts – full profile, ISO metric 60°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TP mm | Z | r mm | l mm | d mm | X mm | Y mm | P | | M | | S | |
|----------------|----------|---|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | HC | | HC | | HC | |
| | | | | | | | | WMP22G | WMP32G | WMP22G | WMP32G | WMP22G | WMP32G |
| TS09-IR0.5ISO | 0.5 | 1 | 0.04 | 9.6 | 5.56 | 0.7 | 0.6 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS09-IR0.8ISO | 0.8 | 1 | 0.07 | 9.6 | 5.56 | 0.7 | 0.6 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS09-IR1.0ISO | 1 | 1 | 0.07 | 9.6 | 5.56 | 0.7 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS09-IR1.25ISO | 1.25 | 1 | 0.11 | 9.6 | 5.56 | 0.7 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS09-IR1.5ISO | 1.5 | 1 | 0.12 | 9.6 | 5.56 | 0.7 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS09-IR1.75ISO | 1.75 | 1 | 0.12 | 9.6 | 5.56 | 0.7 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS09-IR2.0ISO | 2 | 1 | 0.17 | 9.6 | 5.56 | 0.7 | 0.9 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IR0.5ISO | 0.5 | 1 | 0.03 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IR0.75ISO | 0.75 | 1 | 0.04 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IR1.0ISO | 1 | 1 | 0.08 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IR1.25ISO | 1.25 | 1 | 0.09 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IR1.5ISO | 1.5 | 1 | 0.12 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IR1.75ISO | 1.75 | 1 | 0.12 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IR2.0ISO | 2 | 1 | 0.17 | 11 | 6.35 | 0.8 | 0.9 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IR2.5ISO | 2.5 | 1 | 0.18 | 11 | 6.35 | 0.8 | 1.1 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IR0.5ISO | 0.5 | 1 | 0.03 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IR0.75ISO | 0.75 | 1 | 0.04 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IR1.0ISO | 1 | 1 | 0.08 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IR1.25ISO | 1.25 | 1 | 0.09 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IR1.5ISO | 1.5 | 1 | 0.12 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IR1.75ISO | 1.75 | 1 | 0.12 | 16 | 9.53 | 1.2 | 1.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IR2.0ISO | 2 | 1 | 0.17 | 16 | 9.53 | 1.2 | 1.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IR2.5ISO | 2.5 | 1 | 0.18 | 16 | 9.53 | 1.2 | 1.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IR3.0ISO | 3 | 1 | 0.21 | 16 | 9.53 | 1.2 | 1.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS22-IR3.5ISO | 3.5 | 1 | 0.25 | 22 | 12.7 | 1.9 | 2.3 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS22-IR4.0ISO | 4 | 1 | 0.28 | 22 | 12.7 | 2 | 2.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS22-IR4.5ISO | 4.5 | 1 | 0.32 | 22 | 12.7 | 2.1 | 2.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS22-IR5.0ISO | 5 | 1 | 0.35 | 22 | 12.7 | 1.8 | 2.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IL0.5ISO | 0.5 | 1 | 0.03 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IL0.75ISO | 0.75 | 1 | 0.04 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IL1.0ISO | 1 | 1 | 0.07 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IL1.2ISO | 1.25 | 1 | 0.09 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IL1.5ISO | 1.5 | 1 | 0.12 | 11 | 6.35 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IL2.0ISO | 2 | 1 | 0.17 | 11 | 6.35 | 0.8 | 0.9 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS11-IL2.5ISO | 2.5 | 1 | 0.18 | 11 | 6.35 | 0.8 | 1.1 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IL0.5ISO | 0.5 | 1 | 0.03 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IL0.75ISO | 0.75 | 1 | 0.04 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IL1.0ISO | 1 | 1 | 0.07 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IL1.25ISO | 1.25 | 1 | 0.09 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IL1.5ISO | 1.5 | 1 | 0.12 | 16 | 9.53 | 0.8 | 0.8 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IL1.75ISO | 1.75 | 1 | 0.12 | 16 | 9.53 | 1.2 | 1.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IL2.0ISO | 2 | 1 | 0.17 | 16 | 9.53 | 1.2 | 1.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IL2.5ISO | 2.5 | 1 | 0.18 | 16 | 9.53 | 1.2 | 1.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS16-IL3.0ISO | 3 | 1 | 0.21 | 16 | 9.53 | 1.2 | 1.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS22-IL3.5ISO | 3.5 | 1 | 0.25 | 22 | 12.7 | 1.9 | 2.3 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS22-IL4.0ISO | 4 | 1 | 0.28 | 22 | 12.7 | 2 | 2.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS22-IL4.5ISO | 4.5 | 1 | 0.32 | 22 | 12.7 | 2.1 | 2.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |
| TS22-IL5.0ISO | 5 | 1 | 0.35 | 22 | 12.7 | 1.8 | 2.5 | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | ⊗ |

Dimensional drawing shows right-hand version.
 Ordering example for the grade WMP32G: TS09-IR0.5ISO WMP32G

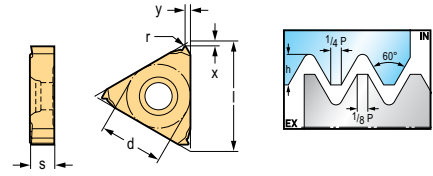
HC = Coated carbide

⊗ ⊗ ⊗ / * = New addition to the product range

Internal thread turning inserts – full profile, ISO metric 60°

TS

Tiger-tec® Gold



A3

Indexable inserts

| Designation | TP mm | Z | r mm | l mm | d mm | X mm | Y mm | P | | M | | S | |
|-------------|------------------|-----|---------|---------|---------|---------|---------|-----|--------|----|--------|----|--------|
| | | | | | | | | HC | WMP32G | HC | WMP32G | HC | WMP32G |
| | TS11-IR1.0ISO-F5 | 1 | 1 | 0.08 | 11 | 6.35 | 0.8 | 0.8 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS11-IR1.5ISO-F5 | 1.5 | 1 | 0.12 | 11 | 6.35 | 0.8 | 0.8 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS11-IR2.0ISO-F5 | 2 | 1 | 0.17 | 11 | 6.35 | 0.8 | 0.9 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR1.0ISO-F5 | 1 | 1 | 0.09 | 16 | 9.53 | 0.8 | 0.8 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR1.5ISO-F5 | 1.5 | 1 | 0.12 | 16 | 9.53 | 0.8 | 0.8 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR2.0ISO-F5 | 2 | 1 | 0.16 | 16 | 9.53 | 1.2 | 1.5 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR2.5ISO-F5 | 2.5 | 1 | 0.18 | 16 | 9.53 | 1.2 | 1.5 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR3.0ISO-F5 | 3 | 1 | 0.21 | 16 | 9.53 | 1.2 | 1.5 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS11-IR1.0ISO-M5 | 1 | 1 | 0.08 | 11 | 6.35 | 0.8 | 0.8 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS11-IR1.5ISO-M5 | 1.5 | 1 | 0.12 | 11 | 6.35 | 0.8 | 0.8 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS11-IR2.0ISO-M5 | 2 | 1 | 0.17 | 11 | 6.35 | 0.8 | 0.9 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR1.0ISO-M5 | 1 | 1 | 0.09 | 16 | 9.53 | 0.8 | 0.8 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR1.5ISO-M5 | 1.5 | 1 | 0.12 | 16 | 9.53 | 0.8 | 0.8 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR2.0ISO-M5 | 2 | 1 | 0.16 | 16 | 9.53 | 1.2 | 1.5 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR2.5ISO-M5 | 2.5 | 1 | 0.18 | 16 | 9.53 | 1.2 | 1.5 | ☹ | ☹ | ☹ | ☹ | ☹ |
| | TS16-IR3.0ISO-M5 | 3 | 1 | 0.21 | 16 | 9.53 | 1.2 | 1.5 | ☹ | ☹ | ☹ | ☹ | ☹ |

Dimensional drawing shows right-hand version.

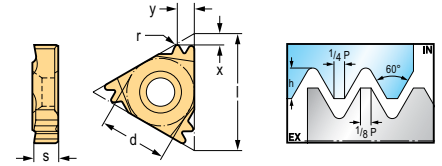
Ordering example for the grade WMP32G: TS09-IR0.5ISO WMP32G

HC = Coated carbide


Internal thread turning inserts – full profile, ISO metric 60°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TP mm | Z | r mm | l mm | d mm | X mm | Y mm | P | M | S |
|---------------------------------------------------------------------------------------------------|----------|---|---------|---------|---------|---------|---------|--------|--------|--------|
| | | | | | | | | HC | HC | HC |
| | | | | | | | | WMP32G | WMP32G | WMP32G |
|  TS16-IR1.5ISO-2 | 1.5 | 2 | 0.12 | 16 | 9.53 | 1.4 | 2.1 | ☹ | ☹ | ☹ |
| TS16-IR2.0ISO-2 | 2 | 2 | 0.18 | 16 | 9.53 | 1.6 | 2.4 | ☹ | ☹ | ☹ |
| TS16-IR1.0ISO-3 | 1 | 3 | 0.08 | 16 | 9.53 | 1.5 | 2.4 | ☹ | ☹ | ☹ |
| TS22-IR2.0ISO-2 | 2 | 2 | 0.17 | 22 | 12.7 | 2 | 2.9 | ☹ | ☹ | ☹ |
| TS22-IR1.5ISO-3 | 1.5 | 3 | 0.12 | 22 | 12.7 | 2.3 | 3.6 | ☹ | ☹ | ☹ |
| TS22-IR2.0ISO-3 | 2 | 3 | 0.17 | 22 | 12.7 | 3 | 4.8 | ☹ | ☹ | ☹ |

Dimensional drawing shows right-hand version.

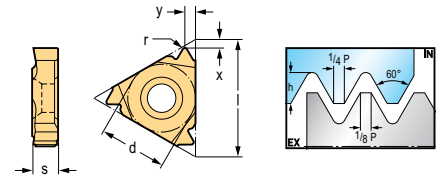
Ordering example for the grade WMP32G: TS16-IR1.0ISO-3 WMP32G

HC = Coated carbide

A3




Internal thread turning inserts – full profile, American UN 60°

TS

Tiger-tec® Gold


A3

Indexable inserts

| Designation | TPI [Threads/ Inch] | Z | r mm | l mm | d mm | X mm | Y mm | P | | M | | S | |
|----------------------------------------------------------------------------------------------------|------------------------|---|---------|---------|---------|---------|---------|----|--------|----|--------|----|--------|
| | | | | | | | | HC | WMP22G | HC | WMP22G | HC | WMP22G |
|  TS09-IR20UN | 20 | 1 | 0.004 | 0.378 | 0.219 | 0.028 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS09-IR18UN | 18 | 1 | 0.004 | 0.378 | 0.219 | 0.028 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS09-IR13UN | 13 | 1 | 0.006 | 0.378 | 0.219 | 0.028 | 0.035 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS11-IR32UN | 32 | 1 | 0.002 | 0.433 | 0.25 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS11-IR28UN | 28 | 1 | 0.002 | 0.433 | 0.25 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS11-IR24UN | 24 | 1 | 0.003 | 0.433 | 0.25 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS11-IR20UN | 20 | 1 | 0.004 | 0.433 | 0.25 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS11-IR18UN | 18 | 1 | 0.004 | 0.433 | 0.25 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS11-IR16UN | 16 | 1 | 0.005 | 0.433 | 0.25 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS11-IR14UN | 14 | 1 | 0.006 | 0.433 | 0.25 | 0.031 | 0.035 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR40UN | 40 | 1 | 0.002 | 0.63 | 0.375 | 0.047 | 0.02 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR32UN | 32 | 1 | 0.002 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR28UN | 28 | 1 | 0.002 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR24UN | 24 | 1 | 0.003 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR20UN | 20 | 1 | 0.004 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR18UN | 18 | 1 | 0.004 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR16UN | 16 | 1 | 0.005 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR14UN | 14 | 1 | 0.006 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR13UN | 13 | 1 | 0.006 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR12UN | 12 | 1 | 0.006 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR11UN | 11 | 1 | 0.006 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR10UN | 10 | 1 | 0.007 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR08UN | 8 | 1 | 0.01 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS22-IR07UN | 7 | 1 | 0.01 | 0.866 | 0.5 | 0.079 | 0.094 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS22-IR06UN | 6 | 1 | 0.012 | 0.866 | 0.5 | 0.087 | 0.098 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS22-IR05UN | 5 | 1 | 0.014 | 0.866 | 0.5 | 0.071 | 0.098 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
|  TS11-IL24UN | 24 | 1 | 0.003 | 0.433 | 0.25 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS11-IL20UN | 20 | 1 | 0.004 | 0.433 | 0.25 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS11-IL18UN | 18 | 1 | 0.004 | 0.433 | 0.25 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IL28UN | 28 | 1 | 0.002 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IL24UN | 24 | 1 | 0.003 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IL20UN | 20 | 1 | 0.004 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IL18UN | 18 | 1 | 0.004 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IL16UN | 16 | 1 | 0.005 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IL14UN | 14 | 1 | 0.006 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IL12UN | 12 | 1 | 0.006 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IL10UN | 10 | 1 | 0.007 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IL08UN | 8 | 1 | 0.01 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
|  TS16-IR20UN-F5 | 20 | 1 | 0.004 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR18UN-F5 | 18 | 1 | 0.004 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR16UN-F5 | 16 | 1 | 0.005 | 0.63 | 0.375 | 0.031 | 0.031 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR14UN-F5 | 14 | 1 | 0.006 | 0.63 | 0.375 | 0.047 | 0.051 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR12UN-F5 | 12 | 1 | 0.006 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| TS16-IR08UN-F5 | 8 | 1 | 0.01 | 0.63 | 0.375 | 0.047 | 0.059 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |

Dimensional drawing shows right-hand version.

Ordering example for the grade WMP32G: TS09-IR13UN WMP32G

HC = Coated carbide

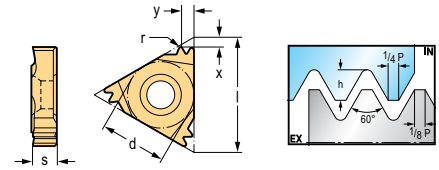
WALTER SELECT

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


Internal thread turning inserts – full profile, American UN 60°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TPI [Threads/ Inch] | Z | r in | l in | d in | X in | Y in | Material | | | |
|-----------------------------------------------------------------------------------|------------------------|----|---------|---------|---------|---------|---------|-------------|-------------|-------------|----|
| | | | | | | | | P WMP32G | M WMP32G | S WMP32G | |
|  | TS16-IR16UN-2 | 16 | 2 | 0.005 | 0.63 | 0.375 | 0.059 | 0.091 | HC | HC | HC |
| | TS22-IR16UN-3 | 16 | 3 | 0.005 | 0.866 | 0.5 | 0.094 | 0.15 | HC | HC | HC |
| | TS22-IR12UN-2 | 12 | 2 | 0.006 | 0.866 | 0.5 | 0.079 | 0.118 | HC | HC | HC |
| | TS22-IR12UN-3 | 12 | 3 | 0.006 | 0.866 | 0.5 | 0.118 | 0.197 | HC | HC | HC |

Dimensional drawing shows right-hand version.
Ordering example for the grade WMP32G: TS16-IR16UN-2 WMP32G

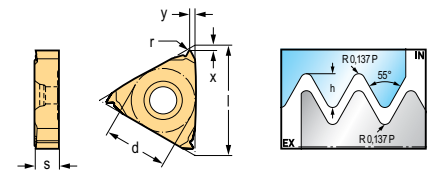
HC = Coated carbide

A3


Internal thread turning inserts – full profile, Whitworth 55°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TPI [Threads/ Inch] | Z | r in | l in | d in | X in | Y in | Material | | | |
|-------------------------------------------------------------------------------------|------------------------|----|---------|---------|---------|---------|---------|-------------|-------------|-------------|----|
| | | | | | | | | P WMP22G | M WMP22G | S WMP22G | |
|  | TS09-IR19W | 19 | 1 | 0.006 | 0.378 | 0.219 | 0.028 | 0.031 | HC | HC | HC |
| | TS09-IR14W | 14 | 1 | 0.009 | 0.378 | 0.219 | 0.028 | 0.035 | HC | HC | HC |
| | TS11-IR19W | 19 | 1 | 0.006 | 0.433 | 0.25 | 0.031 | 0.031 | HC | HC | HC |
| | TS11-IR14W | 14 | 1 | 0.009 | 0.433 | 0.25 | 0.028 | 0.035 | HC | HC | HC |
| | TS16-IR28W | 28 | 1 | 0.004 | 0.63 | 0.375 | 0.031 | 0.031 | HC | HC | HC |
| | TS16-IR20W | 20 | 1 | 0.006 | 0.63 | 0.375 | 0.031 | 0.031 | HC | HC | HC |
| | TS16-IR19W | 19 | 1 | 0.006 | 0.63 | 0.375 | 0.031 | 0.031 | HC | HC | HC |
| | TS16-IR16W | 16 | 1 | 0.008 | 0.63 | 0.375 | 0.031 | 0.031 | HC | HC | HC |
| | TS16-IR14W | 14 | 1 | 0.009 | 0.63 | 0.375 | 0.047 | 0.059 | HC | HC | HC |
| | TS16-IR12W | 12 | 1 | 0.009 | 0.63 | 0.375 | 0.047 | 0.059 | HC | HC | HC |
| | TS16-IR11W | 11 | 1 | 0.012 | 0.63 | 0.375 | 0.047 | 0.059 | HC | HC | HC |
| | TS16-IR10W | 10 | 1 | 0.011 | 0.63 | 0.375 | 0.047 | 0.059 | HC | HC | HC |
| | TS16-IR09W | 9 | 1 | 0.012 | 0.63 | 0.375 | 0.047 | 0.059 | HC | HC | HC |
| | TS16-IR08W | 8 | 1 | 0.017 | 0.63 | 0.375 | 0.047 | 0.059 | HC | HC | HC |
| | TS22-IR07W | 7 | 1 | 0.017 | 0.866 | 0.5 | 0.071 | 0.098 | HC | HC | HC |
| | TS22-IR06W | 6 | 1 | 0.02 | 0.866 | 0.5 | 0.071 | 0.098 | HC | HC | HC |
| | TS22-IR05W | 5 | 1 | 0.025 | 0.866 | 0.5 | 0.067 | 0.098 | HC | HC | HC |

Dimensional drawing shows right-hand version.
Ordering example for the grade WMP32G: TS09-IR14W WMP32G

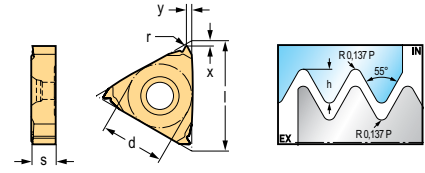
HC = Coated carbide

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

Internal thread turning inserts – full profile, Whitworth 55°



TS

Tiger-tec® Gold



A3

Indexable inserts

| Designation | TPI [Threads/ Inch] | Z | r in | l in | d in | X in | Y in | P | | M | | S | |
|-----------------------------------------------------------------------------------|------------------------|----|---------|---------|---------|---------|---------|-------|--------|----|--------|----|--------|
| | | | | | | | | HC | WMP22G | HC | WMP32G | HC | WMP22G |
|  | TS11-IL19W | 19 | 1 | 0.006 | 0.433 | 0.25 | 0.031 | 0.031 | ☺ | ☺ | ☹ | ☹ | ☹ |
| | TS11-IL14W | 14 | 1 | 0.009 | 0.433 | 0.25 | 0.047 | 0.035 | ☺ | ☺ | ☹ | ☹ | ☹ |
| | TS16-IL28W | 28 | 1 | 0.004 | 0.63 | 0.375 | 0.031 | 0.031 | ☺ | ☺ | ☹ | ☹ | ☹ |
| | TS16-IL19W | 19 | 1 | 0.006 | 0.63 | 0.375 | 0.031 | 0.031 | ☺ | ☺ | ☹ | ☹ | ☹ |
| | TS16-IL14W | 14 | 1 | 0.009 | 0.63 | 0.375 | 0.047 | 0.059 | ☺ | ☺ | ☹ | ☹ | ☹ |
| | TS16-IL11W | 11 | 1 | 0.012 | 0.63 | 0.375 | 0.047 | 0.059 | ☺ | ☺ | ☹ | ☹ | ☹ |
| | TS16-IL08W | 8 | 1 | 0.017 | 0.63 | 0.375 | 0.047 | 0.059 | ☺ | ☺ | ☹ | ☹ | ☹ |
|  | TS11-IR19W-F5 | 19 | 1 | 0.006 | 0.433 | 0.25 | 0.031 | 0.031 | ☺ | ☺ | ☹ | ☹ | ☹ |
| | TS11-IR14W-F5 | 14 | 1 | 0.009 | 0.433 | 0.25 | 0.028 | 0.035 | ☺ | ☺ | ☹ | ☹ | ☹ |
| | TS16-IR14W-F5 | 14 | 1 | 0.009 | 0.63 | 0.375 | 0.047 | 0.043 | ☺ | ☺ | ☹ | ☹ | ☹ |
| | TS16-IR11W-F5 | 11 | 1 | 0.012 | 0.63 | 0.375 | 0.047 | 0.059 | ☺ | ☺ | ☹ | ☹ | ☹ |

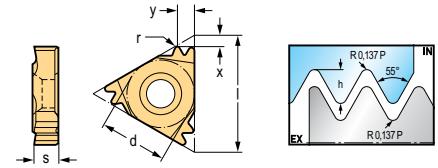
Dimensional drawing shows right-hand version.
Ordering example for the grade WMP32G: TS09-IR14W WMP32G

HC = Coated carbide


Internal thread turning inserts – full profile, Whitworth 55°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TPI [Threads/ Inch] | Z | r in | l in | d in | X in | Y in | P | M | S |
|-------------------------------------------------------------------------------------------------------------------|------------------------|---|---------|---------|---------|---------|---------|--------|--------|--------|
| | | | | | | | | HC | HC | HC |
|  TS16-IR11W-2 TS22-IR11W-2 | 11 | 2 | 0.012 | 0.63 | 0.375 | 0.071 | 0.11 | WMP32G | WMP32G | WMP32G |
| | 11 | 2 | 0.012 | 0.866 | 0.5 | 0.091 | 0.138 | HC | HC | HC |

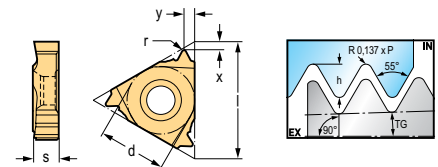
Dimensional drawing shows right-hand version.
Ordering example for the grade WMP32G: TS16-IR11W-2 WMP32G

HC = Coated carbide


Internal thread turning inserts – full profile, BSPT 55°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TPI [Threads/ Inch] | Z | r in | l in | d in | X in | Y in | P | M | S |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|---------|---------|---------|---------|---------|--------|--------|--------|
| | | | | | | | | HC | HC | HC |
|  TS09-IR19BSPT TS16-IR14BSPT TS16-IR11BSPT | 19 | 1 | 0.006 | 0.378 | 0.219 | 0.031 | 0.031 | WMP32G | WMP32G | WMP32G |
| | 14 | 1 | 0.009 | 0.63 | 0.375 | 0.047 | 0.059 | HC | HC | HC |
| | 11 | 1 | 0.012 | 0.63 | 0.375 | 0.047 | 0.059 | HC | HC | HC |

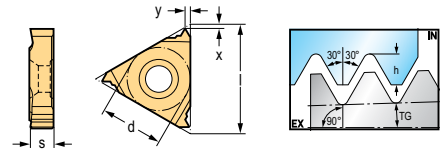
Dimensional drawing shows right-hand version.
Taper ratio TG is equal to 1:16 or 1°47"
Ordering example for the grade WMP32G: TS09-IR19BSPT WMP32G

HC = Coated carbide

Internal thread turning inserts – full profile, American NPT 60°


TS

Tiger-tec® Gold



A3

Indexable inserts

| Designation | TPI (Threads/Inch) | Z | l in | d in | X in | Y in | P | M | S |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---|---------|---------|---------|---------|--------|--------|--------|
| | | | | | | | HC | HC | HC |
| | | | | | | | WMP32G | WMP32G | WMP32G |
|  TS09-IR18NPT TS11-IR18NPT TS11-IR14NPT TS16-IR14NPT TS16-IR11.5NPT TS16-IR08NPT | 18 | 1 | 0.378 | 0.219 | 0.028 | 0.031 | ☺ | ☺ | ☺ |
| | 18 | 1 | 0.433 | 0.25 | 0.028 | 0.031 | ☺ | ☺ | ☺ |
| | 14 | 1 | 0.433 | 0.25 | 0.028 | 0.039 | ☺ | ☺ | ☺ |
| | 14 | 1 | 0.63 | 0.375 | 0.043 | 0.059 | ☺ | ☺ | ☺ |
| | 11.5 | 1 | 0.63 | 0.375 | 0.043 | 0.059 | ☺ | ☺ | ☺ |
| | 8 | 1 | 0.63 | 0.375 | 0.043 | 0.063 | ☺ | ☺ | ☺ |
| TS16-IR11.5NPT-F5 | 11.5 | 1 | 0.63 | 0.375 | 0.043 | 0.059 | ☺ | ☺ | ☺ |

Dimensional drawing shows right-hand version.
Taper ratio TG is equal to 1:16 or 1°47''

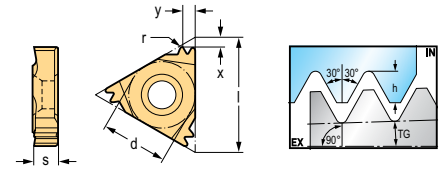
Ordering example for the grade WMP32G: TS09-IR18NPT WMP32G

HC = Coated carbide





Internal thread turning inserts – full profile, American NPT 60°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TPI (Threads/Inch) | Z | l in | d in | X in | Y in | P | M | S |
|----------------------------------------------------------------------------------------------------|--------------------|---|---------|---------|---------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | | | | | | HC | HC | HC |
|  TS22-IR11.5NPT-2 | 11.5 | 2 | 0.866 | 0.5 | 0.083 | 0.13 | WMP32G | WMP32G | WMP32G |
| | | | | | | |  |  |  |

Dimensional drawing shows right-hand version.
Taper ratio TG is equal to 1:16 or 1°47''

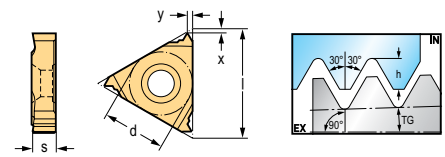
HC = Coated carbide

Ordering example for the grade WMP32G: TS22-IR11.5NPT-2 WMP32G





Internal thread turning inserts – full profile, American NPTF 60°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TPI (Threads/Inch) | Z | l in | d in | X in | Y in | P | M | S |
|----------------------------------------------------------------------------------------------------------------------|--------------------|---|---------|---------|---------|---------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| | | | | | | | HC | HC | HC |
|  TS16-IR14NPTF TS16-IR11.5NPTF | 14 | 1 | 0.63 | 0.375 | 0.043 | 0.059 | WMP32G | WMP32G | WMP32G |
| | 11.5 | 1 | 0.63 | 0.375 | 0.043 | 0.059 |  |  |  |

Dimensional drawing shows right-hand version.
Taper ratio TG is equal to 1:16 or 1°47''

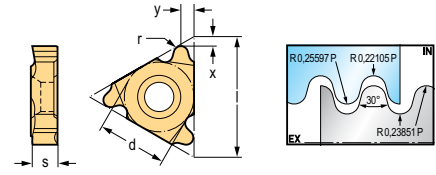
HC = Coated carbide

Ordering example for the grade WMP32G: TS16-IR11.5NPTF WMP32G

Internal thread turning inserts – full profile, RD 30°


TS

Tiger-tec® Gold



A3

Indexable inserts

| Designation | TPI [Threads/ Inch] | Z | r in | l in | d in | X in | Y in | P | M | S |
|-----------------------------------------------------------------------------------------------------------------|------------------------|---|---------|---------|---------|---------|---------|--------|--------|--------|
| | | | | | | | | HC | HC | HC |
|  TS16-IR08RD TS16-IR06RD | 8 | 1 | 0.027 | 0.63 | 0.375 | 0.051 | 0.059 | WMP32G | WMP32G | WMP32G |
| | 6 | 1 | 0.034 | 0.63 | 0.375 | 0.051 | 0.071 | HC | HC | HC |

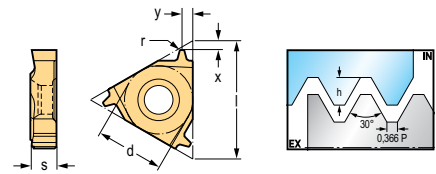
Dimensional drawing shows right-hand version.
Ordering example for the grade WMP32G: TS16-IR06RD WMP32G

HC = Coated carbide


Internal thread turning inserts – full profile, TR 30°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TP mm | Z | r mm | l mm | d mm | X mm | Y mm | P | M | S |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|---------|---------|---------|---------|---------|--------|--------|--------|
| | | | | | | | | HC | HC | HC |
|  TS16-IR2.0TR TS16-IR3.0TR TS22-IR4.0TR TS22-IR5.0TR | 2 | 1 | 0.15 | 16 | 9.53 | 1.3 | 1.5 | WMP32G | WMP32G | WMP32G |
| | 3 | 1 | 0.15 | 16 | 9.53 | 1.3 | 1.6 | HC | HC | HC |
| | 4 | 1 | 0.2 | 22 | 12.7 | 2 | 2.5 | HC | HC | HC |
| | 5 | 1 | 0.2 | 22 | 12.7 | 2 | 2.3 | HC | HC | HC |

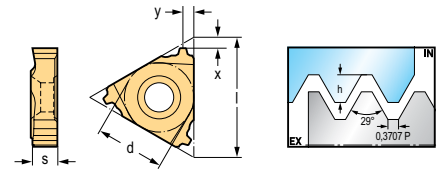
Dimensional drawing shows right-hand version.
Ordering example for the grade WMP32G: TS16-IR2.0TR WMP32G

HC = Coated carbide

Internal thread turning inserts – full profile, ACME / STUB ACME 29°

TS

Tiger-tec® Gold



Indexable inserts

| Designation | TPI [Threads/Inch] | Z | l in | d in | X in | Y in | P | M | S | |
|-------------|--------------------|----|---------|---------|---------|---------|--------|--------|--------|--|
| | | | | | | | HC | HC | HC | |
| | | | | | | | WMP32G | WMP32G | WMP32G | |
| | TS16-IR16ACME | 16 | 1 | 0.63 | 0.375 | 0.035 | 0.031 | | | |
| | TS16-IR14STACME | 14 | 1 | 0.63 | 0.375 | 0.051 | 0.059 | | | |
| | TS16-IR12ACME | 12 | 1 | 0.63 | 0.375 | 0.051 | 0.059 | | | |
| | TS16-IR12STACME | 12 | 1 | 0.63 | 0.375 | 0.059 | 0.059 | | | |
| | TS16-IR10ACME | 10 | 1 | 0.63 | 0.375 | 0.051 | 0.059 | | | |
| | TS16-IR10STACME | 10 | 1 | 0.63 | 0.375 | 0.059 | 0.059 | | | |
| | TS16-IR08ACME | 8 | 1 | 0.63 | 0.375 | 0.051 | 0.059 | | | |
| | TS16-IR08STACME | 8 | 1 | 0.63 | 0.375 | 0.071 | 0.059 | | | |
| | TS22-IR06ACME | 6 | 1 | 0.866 | 0.5 | 0.079 | 0.098 | | | |
| | TS22-IR06STACME | 6 | 1 | 0.866 | 0.5 | 0.094 | 0.098 | | | |
| | TS22-IR05ACME | 5 | 1 | 0.866 | 0.5 | 0.079 | 0.091 | | | |
| | TS22-IR05STACME | 5 | 1 | 0.866 | 0.5 | 0.079 | 0.083 | | | |

Dimensional drawing shows right-hand version.

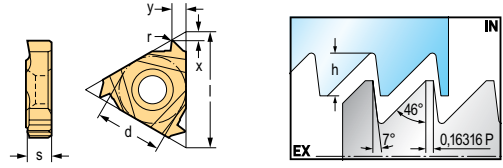
Ordering example for the grade WMP32G: TS16-IR08ACME WMP32G

HC = Coated carbide

Internal thread turning inserts – full profile, BUT 45°


TS

Tiger-tec® Gold



A3

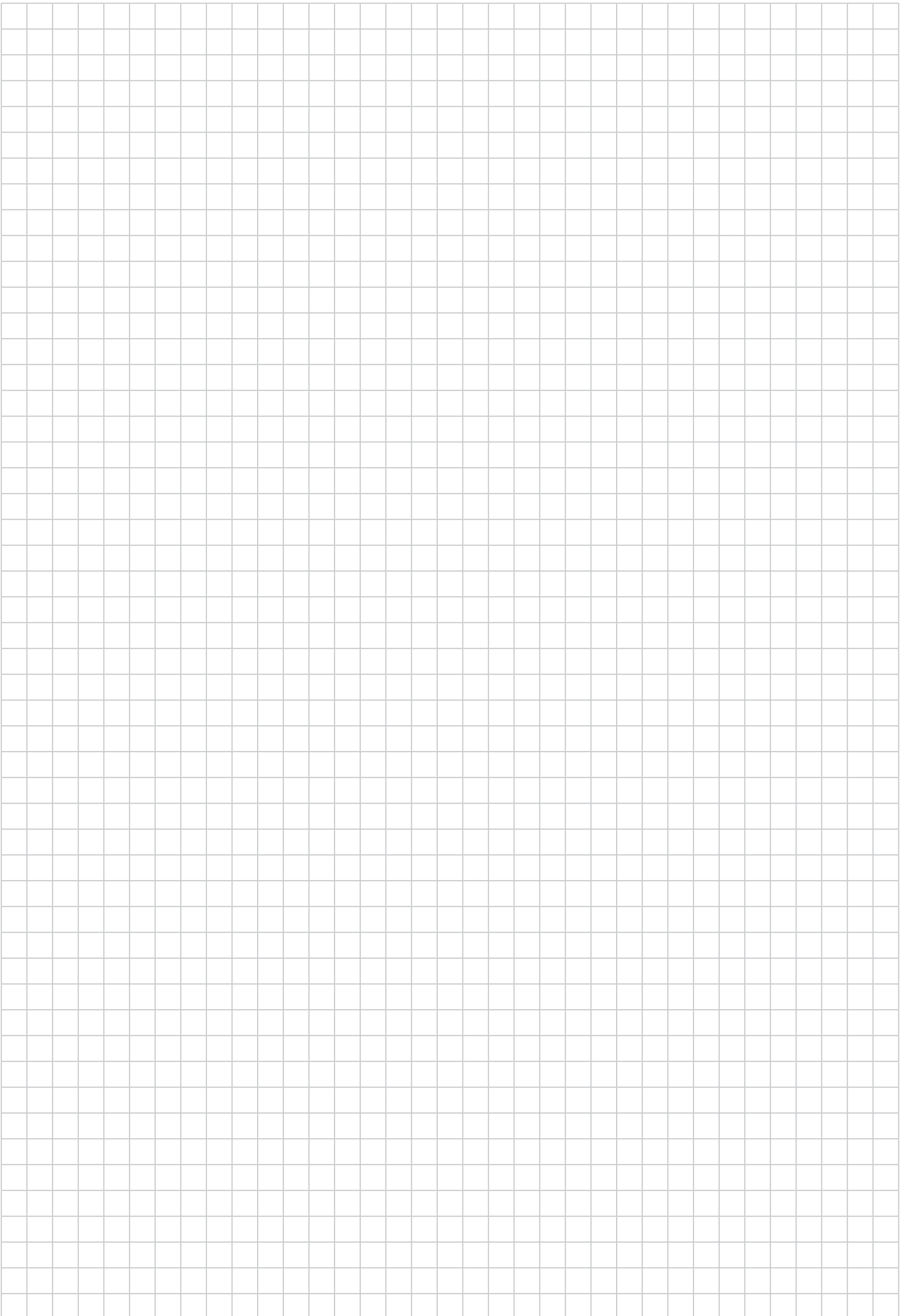
Indexable inserts

| Designation | TPI [Threads/ Inch] | Z | r in | l in | d in | X in | Y in | P | M | S |
|------------------------------------------------------------------------------------------------|------------------------|---|---------|---------|---------|---------|---------|--------------|--------------|--------------|
| | | | | | | | | HC | HC | HC |
|  TS16-IR12BUT | 12 | 1 | | 0.63 | 0.375 | 0.079 | 0.051 | WMP32G HC | WMP32G HC | WMP32G HC |

Dimensional drawing shows right-hand version.

Ordering example for the grade WMP32G: TS16-IR12BUT WMP32G

HC = Coated carbide



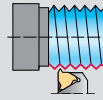
A3

Thread turning tools - external machining

Type



Machining



A3

NEW


| Designation | T1051-C... | T1011 | T1011...-S | T1011-C... |
|----------------------|--------------------------------------|--------------|--------------|--------------------------------------|
| Version | Walter Capto™ in acc. with ISO 26623 | Square shank | Square shank | Walter Capto™ in acc. with ISO 26623 |
| Clamping system | Claw | Claw | Claw | Claw |
| Coolant supply | Internal | External | External | Internal |
| Shank size h [mm] | | | | |
| Shank size h [Inch] | | | | |
| Walter Capto™ size | C6 | | | C3-C6 |
| Insert size l [mm] | 16-22 | 16-22 | 16-22 | 16-22 |
| Insert size l [inch] | 0.630-0.866 | 0.630-0.866 | 0.630-0.866 | 0.630-0.866 |
| Page in catalog | | | | |

QR code


www.walter-tools.com/woc/

T1051-C

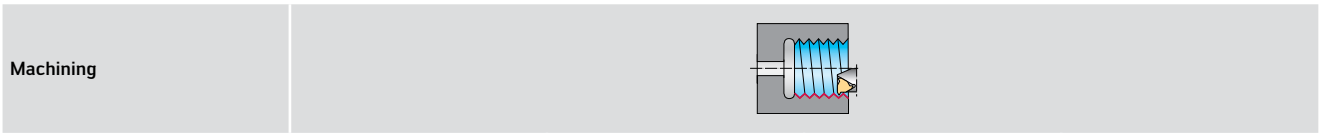
T1011

T1011-S

T1011-C

Threading tools - internal machining

Type



| | | | | |
|---------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------------|
| | NEW | NEW | NEW | |
| | | | | |
| Designation | T1222 | T1221-C... | T1223 | T1820-Q...-P |
| Version | Parallel shank with clamping surface | Walter Capto™ in acc. with ISO 26623 | Parallel shank with clamping surface | QuadFit |
| Clamping system | Screw | Claw | Lever-type | Lever-type |
| Coolant supply | External | Internal | Internal | Precision cooling |
| Walter Capto™ size | | C4-C6 | | |
| Insert size l [mm] | | | | 16-22 |
| Insert size l [inch] | | | | 0.630-0.866 |
| Page in catalog | 144 | 154 | 147 | |
| QR code | | | | |
| www.walter-tools.com/woc/ | T1222 | T1221-C | T1223 | T1820-Q-P |

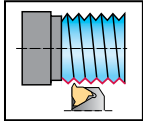
A3

45° Turning tools – External thread

T1051-C...



- Rigid clamping
- Walter Capto™



A3

| Tool | Designation | | d ₁ | f mm | l ₄ mm | Type |
|------|------------------------|----|----------------|---------|----------------------|--------|
| | ★ T1051-C6R-18100-TS16 | 16 | C6 | 16 | 100 | TS16-E |
| | ★ T1051-C6R-16100-TS22 | 22 | C6 | 45 | 100 | TS22-E |




Walter Capto™ in acc. with ISO 26623

The toolholders listed are designed for an inclination angle of 1° | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

| Assembly parts | Type d ₁ | TS16-E C6 | TS22-E C6 |
|----------------|-------------------------------------|--------------------------|--------------------------|
| | Clamp | PK273 | PK274 |
| | Clamping screw Tightening torque | FS2687 (T15IP) 2.5 Nm | FS2688 (T20IP) 3.9 Nm |
| | Shim | GX16-1 | NX22-1 |
| | Screw for shim | FS2590 (T9IP) | FS2686 (T15IP) |
| | Tension spring | FS1470 | SP1000-76-16 |
| | Torx key | FS1465 (T15IP) | |
| | Allen key | | FS1464 (T20IP) |
| | Coolant nozzle | FS1479 | FS1479 |

| Accessories | Type | TS16-E | TS22-E |
|-------------|------|---------|-----------|
| | Shim | MX16-1 | MX22-1 |
| | Shim | GX16-0 | NX22-97.5 |
| | Shim | GX16-2 | NX22-98 |
| | Shim | GX16-3 | NX22-99 |
| | Shim | GX16-4 | NX22-98.5 |
| | Shim | GX16-98 | NX22-99.5 |
| | Shim | GX16-99 | NX22-0.5 |
| | Shim | | NX22-1.5 |
| | Shim | | NX22-0 |

Accessories

| | Type | TS16-E | TS22-E |
|-----------------------------------------------------------------------------------|------|--------|--------|
|  | Shim | | NX22-2 |
|  | Shim | | NX22-3 |
|  | Shim | | NX22-4 |

A3

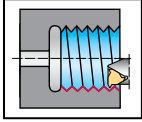
Boring bar – Internal thread

T1222



A3

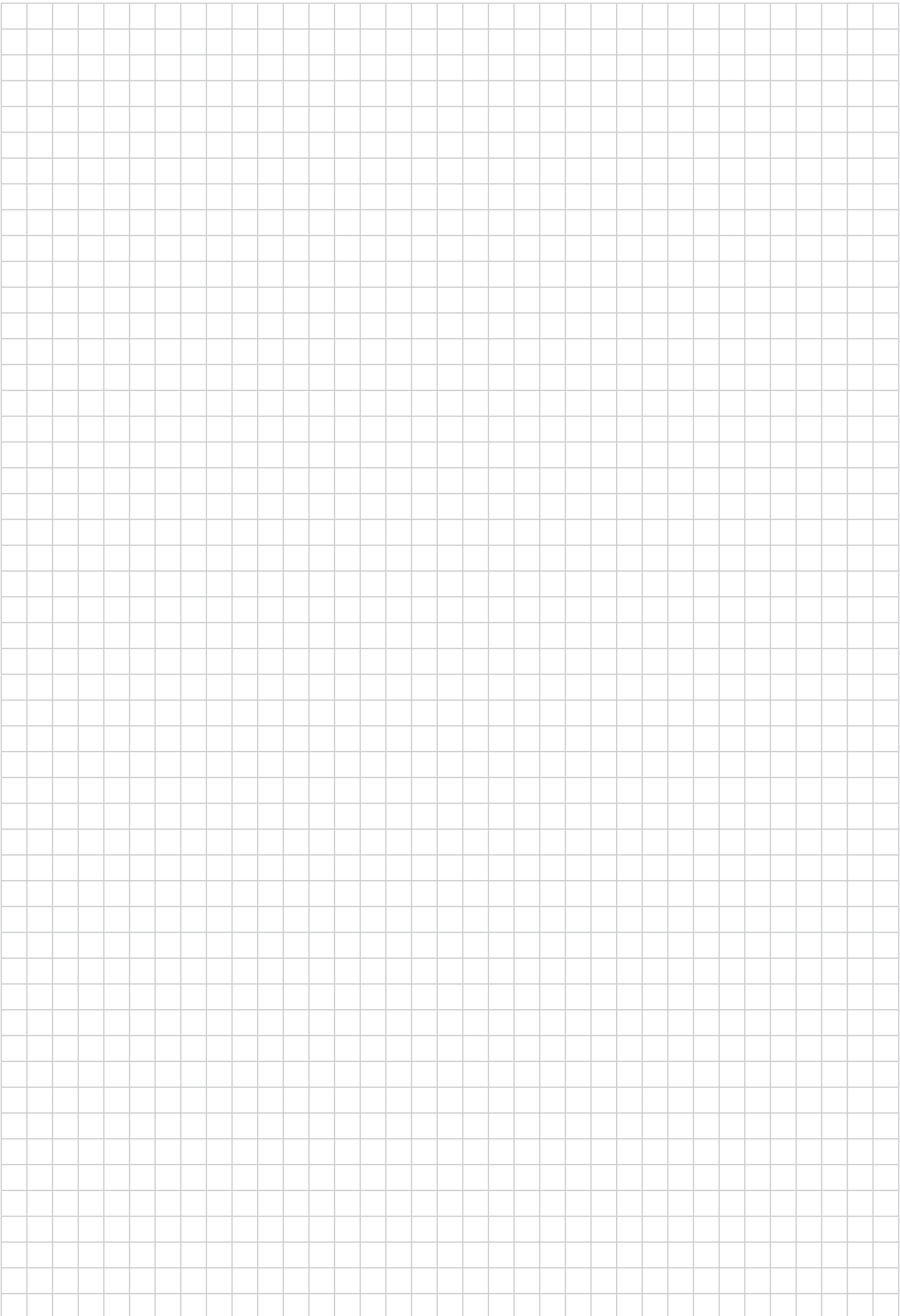
– Screw clamping



| Tool | Designation | | D_{min} mm | d_1 mm | f mm | h mm | l_1 mm | l_4 mm | β | Type |
|------------------------------------------|-----------------------|----|-----------------|-------------|-----------|-----------|-------------|-------------|---------|--------|
| Parallel shank with clamping surface | ★ T1222-A16LR-10-TS09 | 09 | 10.2 | 16 | 5.1 | 15 | 140 | 20 | 15° | TS09-I |
| | ★ T1222-A20LR-10-TS09 | 09 | 10.2 | 20 | 5.1 | 18 | 140 | 20 | 15° | |
| | ★ T1222-A10HR-13-TS11 | 11 | 13 | 10 | 7.5 | 9 | 100 | 25 | 15° | TS11-I |
| | ★ T1222-A16KR-12-TS11 | 11 | 12 | 12 | 6.5 | 14 | 125 | 30 | 15° | |
| | ★ T1222-A16LR-15-TS11 | 11 | 15 | 16 | 8 | 14 | 140 | 32 | 15° | |
| | ★ T1222-A20QR-12-TS11 | 11 | 12 | 20 | 7 | 18 | 180 | 25 | 3° | |
| | ★ T1222-A20QR-13-TS11 | 11 | 13 | 20 | 7.5 | 18 | 180 | 25 | 2° | |
| | ★ T1222-A20QR-16-TS11 | 11 | 16 | 20 | 9 | 18 | 180 | 32 | 2° | |
| | ★ T1222-A16MR-19-TS16 | 16 | 19 | 16 | 10.3 | 14 | 150 | 40 | 15° | TS16-I |
| | ★ T1222-A20QR-16-TS16 | 16 | 16 | 20 | 10.2 | 18 | 180 | 34 | 3° | |
| Parallel shank with clamping surface | ★ T1222-A20QR-17-TS16 | 16 | 17 | 20 | 10.3 | 18 | 180 | 34 | 2° | |
| | ★ T1222-A20QR-20-TS16 | 16 | 20 | 20 | 11.5 | 18 | 180 | 45 | 2° | |
| | ★ T1222-A20QR-24-TS22 | 22 | 24 | 20 | 13 | 18 | 180 | 45 | 15° | TS22-I |
| | ★ T1222-A10HL-13-TS11 | 11 | 13 | 10 | 7.5 | 9 | 100 | 25 | 15° | TS11-I |
| | ★ T1222-A16KL-12-TS11 | 11 | 12 | 12 | 6.5 | 14 | 125 | 30 | 15° | |
| | ★ T1222-A16LL-15-TS11 | 11 | 15 | 16 | 8 | 14 | 140 | 32 | 15° | |
| | ★ T1222-A20QL-12-TS11 | 11 | 12 | 20 | 7 | 18 | 180 | 25 | 3° | |
| | ★ T1222-A20QL-13-TS11 | 11 | 13 | 20 | 7.5 | 18 | 180 | 25 | 2° | |
| | ★ T1222-A16ML-19-TS16 | 16 | 19 | 16 | 10.3 | 14 | 150 | 40 | 15° | TS16-I |
| | ★ T1222-A20QL-16-TS11 | 16 | 16 | 20 | 9 | 18 | 180 | 32 | 2° | |
| Parallel shank with clamping surface | ★ T1222-A20QL-16-TS16 | 16 | 16 | 20 | 10.2 | 18 | 180 | 34 | 3° | |
| | ★ T1222-A20QL-17-TS16 | 16 | 17 | 20 | 10.3 | 18 | 180 | 34 | 2° | |
| | ★ T1222-A20QL-20-TS16 | 16 | 20 | 20 | 11.5 | 18 | 180 | 45 | 2° | |
| | ★ T1222-A20QL-24-TS22 | 22 | 24 | 20 | 13 | 18 | 180 | 45 | 15° | TS22-I |

Dimensional drawing shows right-hand version. | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

| Assembly parts | | TS09-I | TS11-I | TS16-I | TS22-I |
|----------------|----------------------------|----------------|----------------|----------------|----------------|
| | Screw for indexable insert | FS2684 (T07IP) | FS2685 (T07IP) | FS2683 (T15IP) | FS2682 (T15IP) |
| | Torx key | FS1490 (T7IP) | FS1490 (T7IP) | FS1465 (T15IP) | FS1465 (T15IP) |

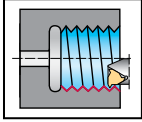


Boring bar – Internal thread

T1221 mm

A3

– Rigid clamping










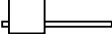
| Tool | Designation | | D_{min} mm | d_1 mm | f mm | h mm | l_1 mm | Type |
|------------------------------------------|-----------------------|----|-----------------|-------------|-----------|-----------|-------------|--------|
| Parallel shank with clamping surface | ★ T1221-A20QR-24-TS16 | 16 | 24 | 20 | 13.8 | 18 | 170 | TS16-I |
| | ★ T1221-A25RR-29-TS16 | 16 | 29 | 25 | 16.3 | 23 | 200 | |
| | ★ T1221-A32SR-36-TS16 | 16 | 36 | 32 | 19.8 | 30 | 250 | |
| | ★ T1221-A40TR-44-TS16 | 16 | 44 | 40 | 23.8 | 37 | 300 | |
| Parallel shank with clamping surface | ★ T1221-A25RR-30-TS22 | 22 | 30 | 25 | 17.8 | 23 | 200 | TS22-I |
| | ★ T1221-A32SR-38-TS22 | 22 | 38 | 32 | 21.3 | 30 | 250 | |
| | ★ T1221-A40TR-46-TS22 | 22 | 46 | 40 | 25.3 | 37 | 300 | |
| | ★ T1221-A20QL-24-TS16 | 16 | 24 | 20 | 11.78 | 18 | 171 | |
| ★ T1221-A25RL-29-TS16 | 16 | 29 | 25 | 11.78 | 23 | 171 | | |
| ★ T1221-A32SL-36-TS16 | 16 | 36 | 32 | 19.8 | 30 | 250 | | |
| ★ T1221-A40TL-44-TS16 | 16 | 44 | 40 | 23.8 | 37 | 300 | | |
| Parallel shank with clamping surface | ★ T1221-A25RL-30-TS22 | 22 | 30 | 25 | 17.8 | 23 | 200 | TS22-I |
| | ★ T1221-A32SL-38-TS22 | 22 | 38 | 32 | 21.3 | 30 | 250 | |
| | ★ T1221-A40TL-46-TS22 | 22 | 46 | 40 | 25.3 | 37 | 300 | |

Dimensional drawing shows right-hand version. | The toolholders listed are designed for an inclination angle of 1° | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

| Assembly parts | Type D_{min} [mm] | TS16-I 24–29 | TS16-I 36–44 | TS22-I 30–38 | TS22-I 46 |
|----------------|------------------------|-----------------|--------------------------|-----------------|--------------------------|
| | Clamp | | PK273 | | PK274 |
| | Clamp set | PK276-SET | | PK277-SET | |
| | Clamping screw | | FS2687 (T15IP) 2.5 Nm | | FS2688 (T20IP) 3.9 Nm |
| | Shim | GX16-1 | GX16-1 | NX22-1 | NX22-1 |
| | Screw for shim | FS2590 (T9IP) | FS2590 (T9IP) | FS2686 (T15IP) | FS2686 (T15IP) |
| | Screw plug | FS2689 (SW 2) | FS2689 (SW 2) | FS2689 (SW 2) | FS2689 (SW 2) |
| | Tension spring | | FS1470 | | SP1000-76-16 |
| | Torx key | FS1465 (T15IP) | FS1465 (T15IP) | FS1465 (T15IP) | |
| | Allen key | | | | FS1464 (T20IP) |

| Accessories | Type | TS16-I | TS22-I |
|-------------|------|--------|-----------|
| | Shim | MX16-1 | MX22-1 |
| | Shim | GX16-0 | NX22-97.5 |
| | Shim | GX16-2 | NX22-98 |
| | Shim | GX16-3 | NX22-99 |
| | Shim | GX16-4 | NX22-98.5 |

Accessories

| | Type | TS16-I | TS22-I |
|-----------------------------------------------------------------------------------|----------|---------------|----------------|
|  | Shim | GX16-98 | NX22-99.5 |
|  | Shim | GX16-99 | NX22-0.5 |
|  | Shim | | NX22-1.5 |
|  | Shim | | NX22-0 |
|  | Shim | | NX22-2 |
|  | Shim | | NX22-3 |
|  | Shim | | NX22-4 |
|  | Torx key | FS1466 (T9IP) | FS1465 (T15IP) |

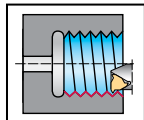
A3

Boring bar – Internal thread

T1223 mm

A3

– Lever clamping








| Tool | Designation | | D _{min} mm | d ₁ mm | f mm | h mm | l ₁ mm | Type | |
|---------------------------------------------|-----------------------|----|------------------------|----------------------|---------|---------|----------------------|--------|--------|
| <p>Parallel shank with clamping surface</p> | ★ T1223-A20QR-24-TS16 | 16 | 24 | 20 | 13.8 | 19 | 171 | TS16-I | |
| | ★ T1223-A25RR-29-TS16 | 16 | 29 | 25 | 16.3 | 24 | 200 | | |
| | ★ T1223-A32SR-36-TS16 | 16 | 36 | 32 | 19.8 | 30 | 250 | | |
| | ★ T1223-A40TR-44-TS16 | 16 | 44 | 40 | 23.8 | 38.5 | 300 | | |
| | ★ T1223-A25RR-30-TS22 | 22 | 30 | 25 | 17.8 | 23 | 200 | | TS22-I |
| | ★ T1223-A32SR-38-TS22 | 22 | 38 | 32 | 21.3 | 30 | 250 | | |
| ★ T1223-A40TR-46-TS22 | 22 | 46 | 40 | 25.3 | 37 | 300 | | | |
| <p>Parallel shank with clamping surface</p> | ★ T1223-A20QL-24-TS16 | 16 | 24 | 20 | 13.8 | 19 | 171 | TS16-I | |
| | ★ T1223-A25RL-29-TS16 | 16 | 29 | 25 | 16.3 | 24 | 200 | | |
| | ★ T1223-A32SL-36-TS16 | 16 | 36 | 32 | 19.8 | 30 | 250 | | |
| | ★ T1223-A25RL-30-TS22 | 22 | 30 | 25 | 17.8 | 23 | 200 | TS22-I | |
| | ★ T1223-A32SL-38-TS22 | 22 | 38 | 32 | 21.3 | 30 | 250 | | |
| | ★ T1223-A40TL-46-TS22 | 22 | 46 | 40 | 25.3 | 37 | 300 | | |

Dimensional drawing shows right-hand version. | The toolholders listed are designed for an inclination angle of 1° | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

| Assembly parts | Type | TS16-I | TS22-I |
|----------------|-------------|----------------|----------------|
| | Lever | KN129 | KN130 |
| | Shim | GXA16-1 | NXA22-1 |
| | Lever screw | FS2615 (T15IP) | FS2616 (T25IP) |
| | Shim pin | RS123 | RS124 |
| | Torx key | FS1465 (T15IP) | |
| | Allen key | | FS1592 (T25IP) |

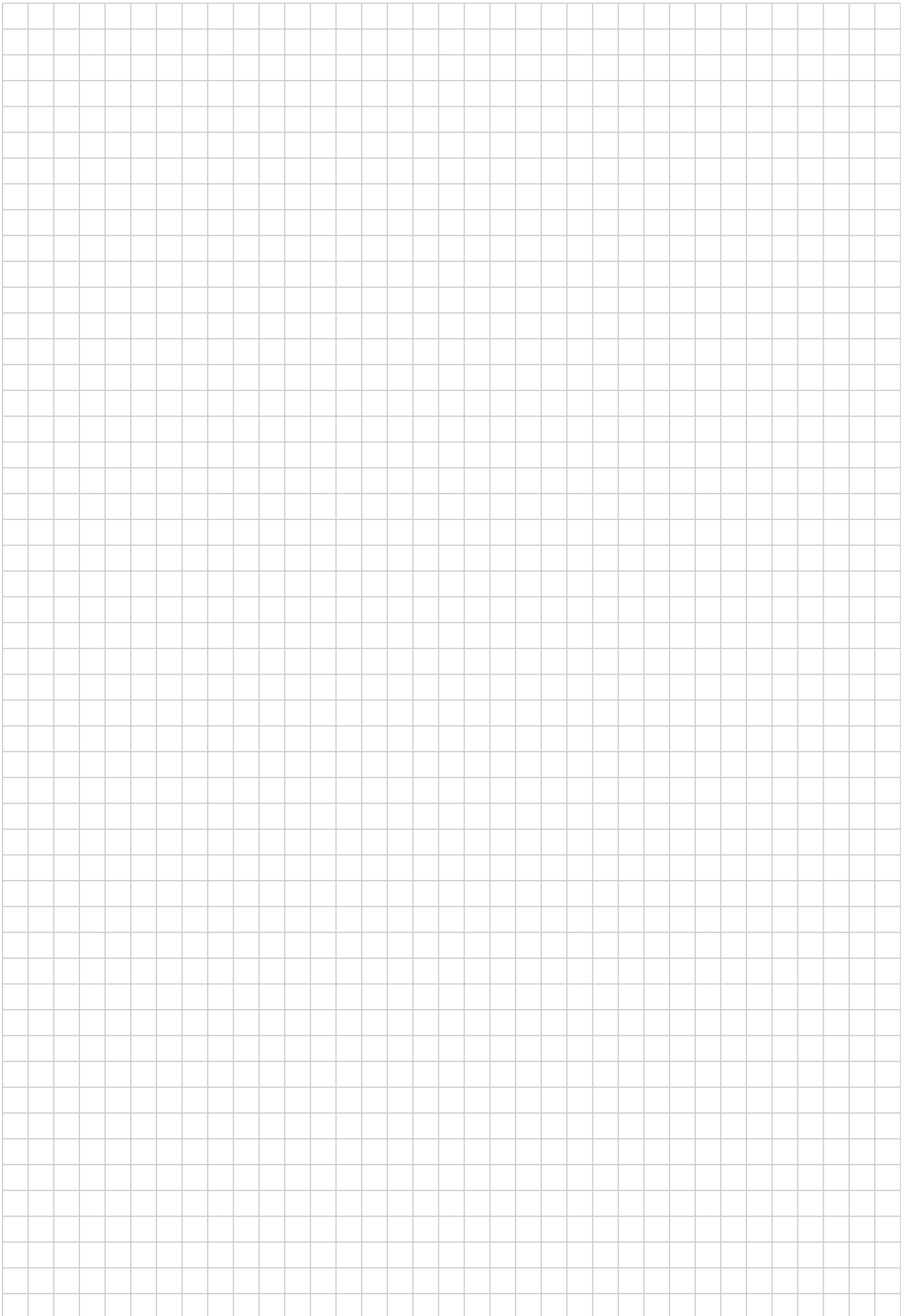
| Accessories | Type | TS16-I | TS22-I |
|-------------|------|----------|------------|
| | Shim | MXA16-1 | MXA22-1 |
| | Shim | GXA16-0 | NXA22-0 |
| | Shim | GXA16-2 | NXA22-98 |
| | Shim | GXA16-3 | NXA22-97.5 |
| | Shim | GXA16-4 | NXA22-0.5 |
| | Shim | GXA16-99 | NXA22-1.5 |
| | Shim | GXA16-98 | NXA22-2 |

Accessories

| | Type | TS16-I | TS22-I |
|-----------------------------------------------------------------------------------|------|--------|------------|
|  | Shim | | NXA22-3 |
|  | Shim | | NXA22-4 |
|  | Shim | | NXA22-99.5 |
|  | Shim | | NXA22-99 |
|  | Shim | | NXA22-98.5 |

A3

A3

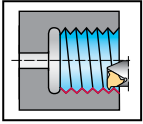


Boring bar – Internal thread

T1222 inch



– Screw clamping



A3

Tool

| | Designation | | D_{min} inch | d_1 inch | f inch | h inch | l_1 inch | l_4 inch | β | Type |
|---------------------------------------------|-----------------------|----|-------------------|---------------|-------------|-------------|---------------|---------------|---------|--------|
| <p>Parallel shank with clamping surface</p> | ★ T1222.A12LR-10-TS09 | 09 | 0.400 | 0.750 | 0.201 | 0.725 | 5.500 | 0.750 | 15° | TS09-I |
| | ★ T1222.A06HR-13-TS11 | 11 | 0.500 | 0.375 | 0.285 | 0.358 | 4.000 | 1.181 | 15° | TS11-I |
| | ★ T1222.A06MR-11-TS11 | 11 | 0.450 | 0.375 | 0.285 | 0.358 | 6.000 | 0.390 | 15° | |
| | ★ T1222.A10LR-15-TS11 | 11 | 0.600 | 0.625 | 0.315 | 0.593 | 5.500 | 1.250 | 15° | TS16-I |
| | ★ T1222.A10MR-19-TS16 | 16 | 0.750 | 0.625 | 0.406 | 0.593 | 6.000 | 1.500 | 15° | |
| | ★ T1222.A12AR-23-TS22 | 22 | 0.900 | 0.750 | 0.492 | 0.725 | 10.000 | 2.000 | 15° | TS22-I |
| <p>Parallel shank with clamping surface</p> | ★ T1222.A12QR-23-TS22 | 22 | 0.900 | 0.750 | 0.492 | 0.725 | 7.000 | 2.000 | 15° | |
| | ★ T1222.A06HL-13-TS11 | 11 | 0.500 | 0.375 | 0.285 | 0.358 | 4.000 | 1.181 | 15° | TS11-I |
| | ★ T1222.A10LL-15-TS11 | 11 | 0.600 | 0.625 | 0.315 | 0.593 | 5.500 | 1.250 | 15° | |
| | ★ T1222.A10ML-19-TS16 | 16 | 0.750 | 0.625 | 0.406 | 0.593 | 6.000 | 1.500 | 15° | TS16-I |
| | ★ T1222.A12QL-23-TS22 | 22 | 0.900 | 0.750 | 0.492 | 0.725 | 7.000 | 2.000 | 15° | TS22-I |

Dimensional drawing shows right-hand version. | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

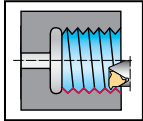
| Type | TS09-I | TS11-I | TS16-I | TS22-I |
|-----------------------------------|----------------|----------------|----------------|----------------|
| <p>Screw for indexable insert</p> | FS2684 (T07IP) | FS2685 (T07IP) | FS2683 (T15IP) | FS2682 (T15IP) |
| <p>Torx key</p> | FS1490 (T7IP) | FS1490 (T7IP) | FS1465 (T15IP) | FS1465 (T15IP) |

Boring bar – Internal thread

T1221 inch


A3

– Rigid clamping










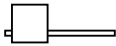
| Tool | Designation | | D_{min} inch | d_1 inch | f inch | h inch | l_1 inch | Type |
|------------------------------------------|-----------------------|-------|-------------------|---------------|-------------|-------------|---------------|--------|
| Parallel shank with clamping surface | ★ T1221.A12PR-24-TS16 | 16 | 0.950 | 0.750 | 0.520 | 0.725 | 6.693 | TS16-I |
| | ★ T1221.A16RR-29-TS16 | 16 | 1.150 | 1.000 | 0.650 | 0.975 | 7.874 | |
| | ★ T1221.A20SR-36-TS16 | 16 | 1.400 | 1.250 | 0.780 | 1.205 | 9.843 | |
| | ★ T1221.A24TR-43-TS16 | 16 | 1.700 | 1.500 | 0.898 | 1.455 | 11.811 | |
| Parallel shank with clamping surface | ★ T1221.A16RR-31-TS22 | 22 | 1.200 | 1.000 | 0.709 | 0.975 | 7.917 | TS22-I |
| | ★ T1221.A20SR-38-TS22 | 22 | 1.500 | 1.250 | 0.839 | 1.205 | 9.843 | |
| | ★ T1221.A24TR-46-TS22 | 22 | 1.800 | 1.500 | 0.969 | 1.455 | 11.811 | |
| | ★ T1221.A12PL-24-TS16 | 16 | 0.950 | 0.750 | 0.520 | 0.725 | 6.693 | |
| ★ T1221.A16RL-29-TS16 | 16 | 1.150 | 1.000 | 0.650 | 0.975 | 7.874 | | |
| ★ T1221.A20SL-36-TS16 | 16 | 1.400 | 1.250 | 0.780 | 1.205 | 9.843 | | |
| ★ T1221.A24TL-43-TS16 | 16 | 1.700 | 1.500 | 0.898 | 1.455 | 11.811 | | |
| Parallel shank with clamping surface | ★ T1221.A16RL-31-TS22 | 22 | 1.200 | 1.000 | 0.709 | 0.975 | 7.917 | TS22-I |
| | ★ T1221.A20SL-38-TS22 | 22 | 1.500 | 1.250 | 0.839 | 1.205 | 9.843 | |
| | ★ T1221.A24TL-46-TS22 | 22 | 1.800 | 1.500 | 1.183 | 1.455 | 11.811 | |

Dimensional drawing shows right-hand version. | The toolholders listed are designed for an inclination angle of 1° | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

| Assembly parts | Type D_{min} [inch] | TS16-I 0,95–1,15 | TS16-I 1,4–1,7 | TS22-I 1,2–1,5 | TS22-I 1,8 |
|----------------|--------------------------|---------------------|-----------------------------|-------------------|-----------------------------|
| | Clamp | | PK273 | | PK274 |
| | Clamp set | PK276-SET | | PK277-SET | |
| | Clamping screw | | FS2687 (T15IP) 1.844 lbs | | FS2688 (T20IP) 2.876 lbs |
| | Shim | GX16-1 | GX16-1 | NX22-1 | NX22-1 |
| | Screw for shim | FS2590 (T9IP) | FS2590 (T9IP) | FS2686 (T15IP) | FS2686 (T15IP) |
| | Screw plug | FS2689 (SW 2) | FS2689 (SW 2) | FS2689 (SW 2) | FS2689 (SW 2) |
| | Tension spring | | FS1470 | | SP1000-76-16 |
| | Torx key | FS1465 (T15IP) | FS1465 (T15IP) | FS1465 (T15IP) | |
| | Allen key | | | | FS1464 (T20IP) |

| Accessories | Type | TS16-I | TS22-I |
|-------------|------|--------|-----------|
| | Shim | MX16-1 | MX22-1 |
| | Shim | GX16-0 | NX22-97.5 |
| | Shim | GX16-2 | NX22-98 |
| | Shim | GX16-3 | NX22-99 |
| | Shim | GX16-4 | NX22-98.5 |

Accessories

| | Type | TS16-I | TS22-I |
|-----------------------------------------------------------------------------------|----------|---------------|----------------|
|  | Shim | GX16-98 | NX22-99.5 |
|  | Shim | GX16-99 | NX22-0.5 |
|  | Shim | | NX22-1.5 |
|  | Shim | | NX22-0 |
|  | Shim | | NX22-2 |
|  | Shim | | NX22-3 |
|  | Shim | | NX22-4 |
|  | Torx key | FS1466 (T9IP) | FS1465 (T15IP) |

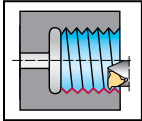
A3

Boring bar – Internal thread

T1223 inch


A3

– Lever clamping








| Tool | Designation | | D_{min} inch | d_1 inch | f inch | h inch | l_1 inch | Type | |
|------------------------------------------|------------------------------------------|-----------------------|-------------------|---------------|-------------|-------------|---------------|--------|--------|
| Parallel shank with clamping surface | ★ T1223.A12QR-24-TS16 | 16 | 0.95 | 0.750 | 0.520 | 0.725 | 7.000 | TS16-I | |
| | ★ T1223.A16RR-29-TS16 | 16 | 1.150 | 1.000 | 0.650 | 0.975 | 8.000 | | |
| | ★ T1223.A20SR-36-TS16 | 16 | 1.404 | 1.250 | 0.780 | 1.205 | 10.000 | | |
| | ★ T1223.A24TR-43-TS16 | 16 | 1.700 | 1.500 | 0.900 | 1.455 | 12.000 | | |
| | Parallel shank with clamping surface | ★ T1223.A16RR-30-TS22 | 22 | 1.181 | 1.000 | 0.710 | 0.975 | 8.000 | TS22-I |
| | | ★ T1223.A20SR-38-TS22 | 22 | 1.500 | 1.250 | 0.840 | 1.205 | 10.000 | |
| Parallel shank with clamping surface | ★ T1223.A12QL-24-TS16 | 16 | 0.95 | 0.750 | 0.520 | 0.725 | 7.000 | TS16-I | |
| | ★ T1223.A16RL-29-TS16 | 16 | 1.150 | 1.000 | 0.650 | 0.975 | 8.000 | | |

Dimensional drawing shows right-hand version. | The toolholders listed are designed for an inclination angle of 1° | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

| Assembly parts | | TS16-I | TS22-I |
|----------------|-------------|----------------|----------------|
| | Lever | KN129 | KN130 |
| | Shim | GXA16-1 | NXA22-1 |
| | Lever screw | FS2690 (T15IP) | FS2616 (T25IP) |
| | Shim pin | RS123 | RS124 |
| | Torx key | FS1465 (T15IP) | |
| | Allen key | | FS1592 (T25IP) |

| Accessories | | TS16-I | TS22-I |
|-------------|------|----------|------------|
| | Shim | MXA16-1 | MXA22-1 |
| | Shim | GXA16-0 | NXA22-0 |
| | Shim | GXA16-2 | NXA22-98 |
| | Shim | GXA16-3 | NXA22-97.5 |
| | Shim | GXA16-4 | NXA22-0.5 |
| | Shim | GXA16-99 | NXA22-1.5 |
| | Shim | GXA16-98 | NXA22-2 |

| Accessories | | | |
|-----------------------------------------------------------------------------------|------|--------|------------|
| | Type | TS16-I | TS22-I |
|  | Shim | | NXA22-3 |
|  | Shim | | NXA22-4 |
|  | Shim | | NXA22-99.5 |
|  | Shim | | NXA22-99 |
|  | Shim | | NXA22-98.5 |

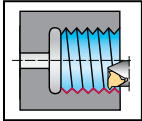
A3

Boring bar – Internal thread

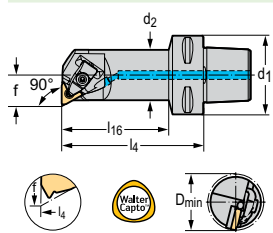
 T1221-C...


A3

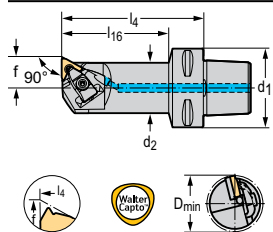
– Rigid clamping



Tool



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

| Designation | | D_{min} mm | d_2 mm | d_1 | f mm | l_4 mm | l_{16} mm | Type |
|------------------------|----|-----------------|-------------|-------|---------|-------------|----------------|--------|
| ★ T1221-C4R-14060-TS16 | 16 | 24 | 20 | C4 | 13.8 | 60 | 36 | TS16-I |
| ★ T1221-C4R-17070-TS16 | 16 | 29 | 25 | C4 | 16.3 | 70 | 48 | |
| ★ T1221-C4R-20090-TS16 | 16 | 36 | 32 | C4 | 19.8 | 90 | 69 | |
| ★ T1221-C5R-14060-TS16 | 16 | 24 | 20 | C5 | 13.8 | 60 | 36 | |
| ★ T1221-C5R-17070-TS16 | 16 | 29 | 25 | C5 | 16.3 | 70 | 47 | |
| ★ T1221-C5R-20090-TS16 | 16 | 36 | 32 | C5 | 19.8 | 90 | 68 | |
| ★ T1221-C5R-27105-TS16 | 16 | 50 | 45 | C5 | 27 | 105 | 53 | TS22-I |
| ★ T1221-C6R-17075-TS16 | 16 | 29 | 25 | C6 | 16.3 | 75 | 53 | |
| ★ T1221-C6R-20090-TS16 | 16 | 36 | 32 | C6 | 19.8 | 90 | 68 | |
| ★ T1221-C6R-24105-TS16 | 16 | 44 | 40 | C6 | 23.8 | 105 | 80 | |
| ★ T1221-C4R-22090-TS22 | 22 | 38 | 32 | C4 | 21.3 | 90 | 69 | |
| ★ T1221-C5R-18070-TS22 | 22 | 30 | 25 | C5 | 17.8 | 70 | 47 | |
| ★ T1221-C5R-22090-TS22 | 22 | 38 | 32 | C5 | 21.3 | 90 | 68 | TS16-I |
| ★ T1221-C6R-18075-TS22 | 22 | 30 | 25 | C6 | 17.8 | 75 | 53 | |
| ★ T1221-C6R-22090-TS22 | 22 | 38 | 32 | C6 | 21.3 | 90 | 68 | |
| ★ T1221-C6R-26105-TS22 | 22 | 46 | 40 | C6 | 25.3 | 105 | 80 | |
| ★ T1221-C4L-14060-TS16 | 16 | 24 | 20 | C4 | 13.8 | 60 | 36 | |
| ★ T1221-C4L-17070-TS16 | 16 | 29 | 25 | C4 | 16.3 | 70 | 48 | |
| ★ T1221-C4L-20090-TS16 | 16 | 36 | 32 | C4 | 19.8 | 90 | 69 | TS22-I |
| ★ T1221-C5L-14060-TS16 | 16 | 24 | 20 | C5 | 13.8 | 60 | 36 | |
| ★ T1221-C5L-17070-TS16 | 16 | 29 | 25 | C5 | 16.3 | 70 | 47 | |
| ★ T1221-C5L-20090-TS16 | 16 | 36 | 32 | C5 | 19.8 | 90 | 68 | |
| ★ T1221-C6L-17075-TS16 | 16 | 29 | 25 | C6 | 16.3 | 75 | 53 | |
| ★ T1221-C6L-20090-TS16 | 16 | 36 | 32 | C6 | 19.8 | 90 | 68 | |
| ★ T1221-C6L-24105-TS16 | 16 | 44 | 40 | C6 | 23.8 | 105 | 80 | TS22-I |
| ★ T1221-C4L-22090-TS22 | 22 | 38 | 32 | C4 | 21.3 | 90 | 69 | |
| ★ T1221-C5L-18070-TS22 | 22 | 30 | 25 | C5 | 17.8 | 70 | 47 | |
| ★ T1221-C5L-22090-TS22 | 22 | 38 | 32 | C5 | 21.3 | 90 | 68 | |
| ★ T1221-C6L-18075-TS22 | 22 | 30 | 25 | C6 | 17.8 | 75 | 53 | |
| ★ T1221-C6L-22090-TS22 | 22 | 38 | 32 | C6 | 21.3 | 90 | 68 | |
| ★ T1221-C6L-26105-TS22 | 22 | 46 | 40 | C6 | 25.3 | 105 | 80 | |

 Dimensional drawing shows right-hand version. | The toolholders listed are designed for an inclination angle of 1° | Refer to the Walter online catalog for more product information: www.walter-tools.com | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| Type | Type D_{min} [mm] | TS16-I 24–29 | TS16-I 36–50 | TS22-I 30–38 | TS22-I 46 |
|------|---------------------|-----------------|--------------------------|-----------------|--------------------------|
| | Clamp | | PK273 | | PK274 |
| | Clamp set | PK276-SET | | PK277-SET | |
| | Clamping screw | | FS2687 (T15IP) 2.5 Nm | | FS2688 (T20IP) 3.9 Nm |
| | Shim | GX16-1 | GX16-1 | NX22-1 | NX22-1 |
| | Screw for shim | FS2590 (T9IP) | FS2590 (T9IP) | FS2686 (T15IP) | FS2686 (T15IP) |
| | Tension spring | | FS1470 | | SP1000-76-16 |

| Assembly parts | | TS16-I 24-29 | TS16-I 36-50 | TS22-I 30-38 | TS22-I 46 |
|-----------------------------------------------------------------------------------|-------------------------------------------|-----------------|-----------------|-----------------|----------------|
|  | Torx key Type D _{min} [mm] | FS1465 (T15IP) | FS1465 (T15IP) | FS1465 (T15IP) | |
|  | Allen key | | | | FS1464 (T20IP) |

| Accessories | | TS16-I | TS22-I |
|-------------------------------------------------------------------------------------|----------|---------------|----------------|
|  | Shim | MX16-1 | MX22-1 |
|  | Shim | GX16-0 | NX22-97.5 |
|  | Shim | GX16-2 | NX22-98 |
|  | Shim | GX16-3 | NX22-99 |
|  | Shim | GX16-4 | NX22-98.5 |
|  | Shim | GX16-98 | NX22-99.5 |
|  | Shim | GX16-99 | NX22-0.5 |
|  | Shim | | NX22-1.5 |
|  | Shim | | NX22-0 |
|  | Shim | | NX22-2 |
|  | Shim | | NX22-3 |
|  | Shim | | NX22-4 |
|  | Torx key | FS1466 (T9IP) | FS1465 (T15IP) |



B - Drilling

B1 - Drilling from solid

| Solid carbide drilling and reaming tools | Program | Order pages |
|-------------------------------------------------|---------|-------------|
| Solid carbide drills – with internal coolant | 162 | 178 |
| Solid carbide drills – without internal coolant | 172 | |
| Drilling/chamfering tools | Program | |
| Drilling/chamfering tools | 190 | |
| Boring tools with indexable inserts | Program | Order pages |
| Indexable insert drills | 194 | 200 |
| HSS drilling and reaming tools | Program | |
| HSS drilling and reaming tools | 208 | |
| Solid carbide and HSS NC centre drills | Program | |
| Solid carbide and HSS NC centre drills | 216 | |
| Solid carbide and HSS centre drills | Program | |
| Solid carbide and HSS centre drills | 218 | |

B2 - Boring and precision boring

| Indexable inserts for boring and precision boring | Order pages |
|----------------------------------------------------------|-------------|
| Indexable inserts for boring and precision boring | 223 |
| Tools for boring and precision boring | Program |
| Precision boring | 226 |
| Boring | 228 |
| Cartridges | Program |
| ISO cartridges | 230 |
| Mini cartridges | 232 |
| Precision boring cartridges | 234 |
| HSS core drills and countersinkers | Program |
| HSS core drills and countersinkers | 235 |

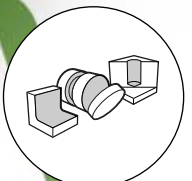
B3 - Reaming

| Solid carbide and HSS reamers | Program |
|--------------------------------------|---------|
| Solid carbide and HSS reamers | 237 |

How to use Walter GPS

As the market's leading software solution for finding tools and calculating cutting data, Walter GPS offers you many functions that will help you in your day-to-day work: For production on the machine, as good starting values for programming, for process and component planning and much more – the journey from component to production couldn't be quicker. The reason?

➤ **With the GPS cutting data, you can start production immediately!**



SEARCH PRODUCT-RELATED

A

Would you like to use a specific tool or an existing tool? Do you know the application and material, but don't know what cutting data you should work with? Or do you want to know whether your tool can do this?

Walter GPS gives you the answer in just a few clicks: In the form of cutting data, data models and much more.

SEARCH APPLICATION-RELATED

B

Do you know your application and your material, but don't know which tool solution is best for it?

Walter GPS suggests one or more solutions – and you choose the best one for you. And that's not all – this also works for indexable insert tools; Walter GPS even puts together different combinations of body and inserts for these!

Select **material** and ...

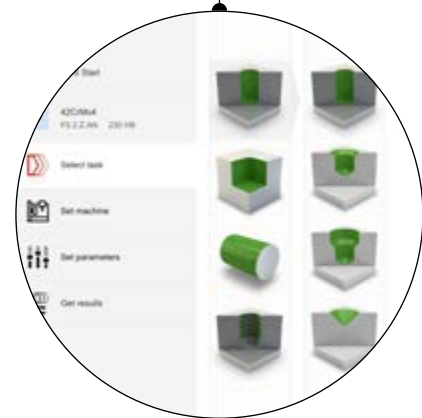
... **application**



Enter specific **tool**



Select **material** and ...



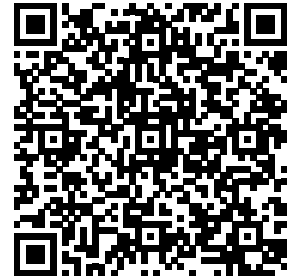
... **application**

HOW WALTER GPS BENEFITS YOU

- > **Find the right tool solution for your machining task** – quickly and based on your machining objective (e.g. maximum cost-efficiency).
- > **Get reliable cutting data for your tool** – calculated according to your specifications: For your tool, your application and your material.
- > **Ideal for calculating profitability** – this allows you to determine the estimated costs in the shortest possible time.
- > **Benefit from helpful additional information** – e.g. in the form of 2D and 3D models which you can use directly for your machine programming.
- > **CO₂ values for your application** – divided according to machining operation and machine basic load.

Launch Walter GPS now

Your navigation system for the best machining solution



www.walter-tools.com/gps

RESULT



Enter **application parameters**

Tool selection



Enter **application parameters**

Tool selection

Walter offers you one or more possible tool solutions to choose from. In the default settings, the most cost-efficient solution is displayed. If you have a different priority (e.g. the most productive solution, the best surface quality, etc.), you can define it in advance and the tool selection will be adapted accordingly!

Walter offers you the ideal cutting data for your tool, your application and your material! So precise that you can use it immediately for your application or programming! And, of course, you can find out whether your tool is suitable for the application. If it isn't, use the "Application-related search" to immediately find a suitable alternative – in no time at all and with the option to order it directly!

Solid carbide drills with internal coolant

B1

| | | | | | |
|----------------|--------------------|--------------------|--------------------|--|--------------------|
| | | | | | |
| Drilling depth | 2 x D _C | 2 x D _C | 2 x D _C | | 3 x D _C |

NEW



| | | | | | |
|-----------------------------------------------|---------------------------------|--------------------|----------------------|----------------------|-------------------------------------|
| Designation | K5191TFT X-treme Pilot 180 C | DC118 Supreme | DB131 Supreme | A6181TFT XD Pilot | DD170 Supreme Drevo-tec™ Ikon |
| Additional services | | | | | |
| Standard | Walter | Walter | Walter | Walter | DIN 6537 K |
| Coating / grade | TFT | WJ30ET | WJ30EL | TFT | WJ30EY |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.157-0.276 [4-7] | 0.118-0.787 [3-20] | 0.079-0.787 [2-2.95] | 0.118-0.63 [3-16] | 0.118-0.787 [3-20] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | ● | ● | ● | ● | ● |
| O Other | ● | ● | ● | ● | ● |

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www.walter-tools.com/woc/

K5191TFT

DC118

DB131

A6181TFT

DD170

WALTER SELECT

●● Primary application ● Other application

Solid carbide drills with internal coolant

| | | | |
|----------------|--------------------|--------------------|--------------------|
| | | | |
| Drilling depth | 3 x D _C | 3 x D _C | 3 x D _C |

B1



| | | | | | |
|-----------------------------------------------|---------------------------|---------------------------|--------------------------------|--------------------|--------------------|
| Designation | DC260 Advance X-treme Evo | DC260 Advance X-treme Evo | DC180 Supreme X-treme Evo Plus | DC175 Supreme | DC170 Supreme |
| Additional services | | | | | |
| Standard | Walter | Walter | DIN 6537 K | DIN 6537 K | DIN 6537 K |
| Coating / grade | WJ30ET | WJ30ET | WJ30EZ | WJ30RZ | WJ30EJ |
| Shank | DIN 6535 HA | DIN 6535 HE | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.13-0.551 [3.3-14] | 0.13-0.551 [3.3-14] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] |
| P Steel | ●● | ●● | ●● | ● | ●● |
| M Stainless steel | ● | ● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | ● | ● | ●● | ● | ● |
| O Other | ● | ● | ● | ● | ● |

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www.walter-tools.com/woc/

DC260

DC260


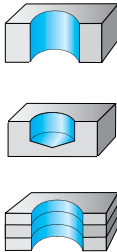

DC180

DC175

DC170






Solid carbide drills with internal coolant

B1

| | | | |
|----------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| |  |  |  |
| Drilling depth | 3 x D _C | 3 x D _C | 5 x D _C |

NEW



| | | | | | |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Designation | DC160 Advance X-treme Evo | DC160 Advance X-treme Evo | DC150 Perform | DC150 Perform | DD170 Supreme Drevotec™ Ikon |
| Additional services |  |  |  |  |  |
| Standard | DIN 6537 K | DIN 6537 K | DIN 6537 K | DIN 6537 K | Walter |
| Coating / grade | WJ30ET | WJ30ET | WJ30RE | WJ30RE | WJ30EY |
| Shank | DIN 6535 HA | DIN 6535 HE | DIN 6535 HA | DIN 6535 HE, turned 180° DIN 6535 HB | DIN 6535 HA |
| Diameter range inch [mm] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ● | ● | ● | ● | ● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | ● | ● | ● | ● | ● |
| O Other | ● | ● | ● | ● | ● |

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www.walter-tools.com/woc/

DC160

DC160

DC150

DC150

DD170

Solid carbide drills with internal coolant

| | | | | | |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | | | | |
| Drilling depth | 5 x D _C | 5 x D _C | 5 x D _C | 5 x D _C | 5 x D _C |



| | | | | | |
|-----------------------------------------------|-----------------------------------|--------------------------------------|--------------------|--------------------|--------------------|
| Designation | DC183 Supreme X-treme Evo 3 | DC180 Supreme X-treme Evo Plus | DC175 Supreme | DC170 Supreme | DC166 Supreme |
| Additional services | | | | | |
| Standard | Walter | Walter | Walter | DIN 6537 L | DIN 6537 L |
| Coating / grade | WJ30EZ | WJ30EZ | WJ30RZ | WJ30EJ | WJ30UU |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.118-0.63 [3-16] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.472 [3-12] |
| P Steel | ●● | ●● | ● | ●● | |
| M Stainless steel | ● | ●● | ●● | | |
| K Cast iron | ●● | ●● | ●● | ●● | |
| N NF metals | ●● | ●● | ● | | ●● |
| S Materials with difficult cutting properties | ● | ●● | ●● | | |
| H Hard materials | | ●● | | ● | |
| O Other | | ● | ● | | |

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www.walter-tools.com/woc/

DC183

DC180

DC175

DC170

DC166

B1

Solid carbide drills with internal coolant

B1

| | | |
|----------------|--------------------|--------------------|
| | | |
| Drilling depth | 5 x D _C | 5 x D _C |



| Designation | DC165 Advance | DC160 Advance X-treme Evo | DC160 Advance X-treme Evo | DC150 Perform | DC150 Perform |
|------------------------------------------------------|-------------------|---------------------------------|---------------------------------|--------------------|-----------------------------------------|
| Additional services | | | | | |
| Standard | Walter | DIN 6537 L | DIN 6537 L | DIN 6537 L | DIN 6537 L |
| Coating / grade | WJ30UU | WJ30ET | WJ30ET | WJ30RE | WJ30RE |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HE | DIN 6535 HA | DIN 6535 HE, turned 180° DIN 6535 HB |
| Diameter range inch [mm] | 0.157-0.63 [4-16] | 0.118-0.984 [3-25] | 0.118-0.984 [3-25] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] |
| P Steel | | ●● | ●● | ●● | ●● |
| M Stainless steel | | ● | ● | ● | ● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | | ●● | ●● | ●● | ●● |
| H Hard materials | | ● | ● | ● | ● |
| O Other | | ● | ● | ● | ● |

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www.walter-tools.com/woc/

DC165

DC160

DC160

DC150

DC150

Solid carbide drills with internal coolant

| | | | | | |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | | | | |
| Drilling depth | 5 x D _C | 8 x D _C | 8 x D _C | 8 x D _C | 8 x D _C |

B1

NEW



| | | | | | |
|-----------------------------------------------|------------------------|------------------------------|-----------------------------|--------------------------------|-------------------|
| Designation | DB133 Supreme | DD170 Supreme Drevotec™ Ikon | DC183 Supreme X-treme Evo 3 | DC180 Supreme X-treme Evo Plus | DC175 Supreme |
| Additional services | | | | | |
| Standard | Walter | Walter | Walter | Walter | Walter |
| Coating / grade | WJ30EL | WJ30EY | WJ30EY | WJ30EY | WJ30RY |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.028-0.116 [0.7-2.95] | 0.118-0.787 [3-20] | 0.118-0.63 [3-16] | 0.118-0.787 [3-20] | 0.118-0.63 [3-16] |
| P Steel | ●● | ●● | ●● | ●● | ● |
| M Stainless steel | ●● | ●● | ● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ● |
| S Materials with difficult cutting properties | ●● | ●● | ● | ●● | ●● |
| H Hard materials | ● | ● | | ●● | |
| O Other | ● | | | ● | ● |

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DB133

DD170

DC183

DC180

DC175

Solid carbide drills with internal coolant

B1

| | | |
|----------------|--------------------|--------------------|
| | | |
| Drilling depth | 8 x D _C | 8 x D _C |



| | | | | | |
|-----------------------------------------------|--------------------|--------------------------|--------------------|------------------------|--------------------|
| Designation | DC170 Supreme | DC160 Advance Xtreme Evo | DC150 Perform | DB133 Supreme | A3486TIP Alpha® 44 |
| Additional services | | | | | |
| Standard | Walter | Walter | Walter | Walter | Walter |
| Coating / grade | WJ30EJ | WJ30ET | WJ30TA | WJ30ER | TIP |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.028-0.116 [0.7-2.95] | 0.197-0.315 [5-8] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | | ● | ● | ●● | ● |
| K Cast iron | ●● | ●● | ●● | ●● | ● |
| N NF metals | | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | | ●● | ●● | ●● | ● |
| H Hard materials | ● | ● | ● | ● | |
| O Other | | ● | ● | ● | ● |

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DC170

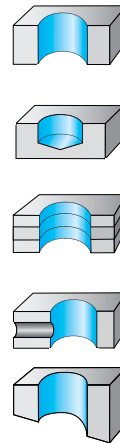
DC160

DC150

DB133

A3486TIP

Solid carbide drills with internal coolant



Drilling depth 12 x D_C

NEW



| Designation | DD170 Supreme Drevo-tec™ Ikon | DC180 Supreme X-treme Evo Plus | DC170 Supreme | DC160 Advance X-treme Evo | DC150 Perform |
|------------------------------------------------------|-------------------------------------|--------------------------------------|--------------------|---------------------------------|--------------------|
| Additional services | | | | | |
| Standard | Walter | Walter | Walter | Walter | Walter |
| Coating / grade | WJ30EY | WJ30EY | WJ30EJ | WJ30EU | WJ30TA |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | | ●● | | ● | ● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | | ●● | | ●● | ●● |
| S Materials with difficult cutting properties | | ●● | | ●● | ●● |
| H Hard materials | ● | ●● | ● | ● | ●● |
| O Other | | ● | | ● | ● |

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DD170

DC180

DC170

DC160

DC150

B1

Solid carbide drills with internal coolant

B1

| | | | | | |
|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | | | | |
| Drilling depth | 12 x D _C | 16 x D _C | 16 x D _C | 16 x D _C | 20 x D _C |



| | | | | | |
|------------------------------------------------------|-----------------------|-------------------|---------------------------|---------------------|-------------------|
| Designation | DB133 Supreme | DC170 Supreme | DC160 Advance X-treme Evo | DB133 Supreme | DC170 Supreme |
| Additional services | | | | | |
| Standard | Walter | Walter | Walter | Walter | Walter |
| Coating / grade | WJ30ER | WJ30EJ | WJ30EU | WJ30ER | WJ30EJ |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.028-0.114 [0.7-2.9] | 0.118-0.63 [3-16] | 0.118-0.63 [3-16] | 0.079-0.114 [2-2.9] | 0.118-0.63 [3-16] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ● | ● |
| H Hard materials | ● | ● | ● | ● | ● |
| O Other | ● | ● | ● | ● | ● |

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www.walter-tools.com/woc/

DB133

DC170

DC160

DB133

DC170

WALTER SELECT

●● Primary application ● Other application

Solid carbide drills with internal coolant

| | | | | | |
|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | | | | |
| Drilling depth | 20 x D _C | 20 x D _C | 20 x D _C | 25 x D _C | 25 x D _C |



| | | | | | |
|-----------------------------------------------|---------------------------|---------------------|-----------------------|--------------------|---------------------------|
| Designation | DC160 Advance X-treme Evo | DB133 Supreme | A6794TFP X-treme DH20 | DC170 Supreme | DC160 Advance X-treme Evo |
| Additional services | | | | | |
| Standard | Walter | Walter | Walter | Walter | Walter |
| Coating / grade | WJ30EU | WJ30ER | TFP | WJ30EJ | WJ30EU |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.118-0.63 [3-16] | 0.079-0.114 [2-2.9] | 0.118-0.394 [3-10] | 0.118-0.472 [3-12] | 0.118-0.472 [3-12] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ● | ●● | ● | ● | ● |
| K Cast iron | ●● | ●● | ● | ●● | ●● |
| N NF metals | ●● | ●● | ● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ● | ● | ● | ●● |
| H Hard materials | ● | ● | ● | ● | ● |
| O Other | ● | ● | | | ● |

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www.walter-tools.com/woc/

DC160

DB133

A6794TFP

DC170

DC160

B1

Solid carbide drills with internal coolant

B1

| | | | | | |
|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | | | | |
| Drilling depth | 25 x D _C | 30 x D _C | 30 x D _C | 30 x D _C | 30 x D _C |



| | | | | | |
|-----------------------------------------------|---------------------|--------------------|---------------------------|---------------------|-----------------------|
| Designation | DB133 Supreme | DC170 Supreme | DC160 Advance X-treme Evo | DB133 Supreme | A6994TFP X-treme DH30 |
| Additional services | | | | | |
| Standard | Walter | Walter | Walter | Walter | Walter |
| Coating / grade | WJ30ER | WJ30EJ | WJ30EU | WJ30ER | TFP |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.079-0.114 [2-2.9] | 0.118-0.472 [3-12] | 0.118-0.472 [3-12] | 0.079-0.114 [2-2.9] | 0.118-0.394 [3-10] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ● | ●● | ● |
| K Cast iron | ●● | ●● | ●● | ●● | ● |
| N NF metals | ●● | ●● | ●● | ●● | ● |
| S Materials with difficult cutting properties | ● | ● | ●● | ● | ● |
| H Hard materials | ● | ● | ● | ● | ● |
| O Other | ● | ● | ● | ● | ● |

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DB133

DC170

DC160

DB133

A6994TFP

Solid carbide drills with internal coolant

| | | |
|----------------|---------------------|---------------------|
| | | |
| Drilling depth | 40 x D _C | 50 x D _C |



| | | |
|------------------------------------------------------|-------------------------|-------------------------|
| Designation | A7495TTP X-treme D40 | A7595TTP X-treme D50 |
| Additional services | | |
| Standard | Walter | Walter |
| Coating / grade | TTP | TTP |
| Shank | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.118-0.433 [3-11] | 0.118-0.354 [3-9] |
| P Steel | ●● | ●● |
| M Stainless steel | ● | ● |
| K Cast iron | ●● | ●● |
| N NF metals | ●● | ●● |
| S Materials with difficult cutting properties | | |
| H Hard materials | | |
| O Other | | |

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www.walter-tools.com/woc/

A7495TTP

A7595TTP

B1

Solid carbide drills without internal coolant

B1

| | | | | | |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | | | | |
| Drilling depth | 2 x D _C | 3 x D _C | 3 x D _C | 3 x D _C | 3 x D _C |



| | | | | | |
|-----------------------------------------------|------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Designation | DB131 Supreme | DC260 Advance X-treme Evo | DC260 Advance X-treme Evo | DC160 Advance X-treme Evo | DC160 Advance X-treme Evo |
| Additional services | | | | | |
| Standard | Walter | Walter | Walter | DIN 6537 K | DIN 6537 K |
| Coating / grade | WJ30EL | WJ30ET | WJ30ET | WJ30ET | WJ30ET |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HE | DIN 6535 HA | DIN 6535 HE |
| Diameter range inch [mm] | 0.02-0.078 [0.5-1.984] | 0.13-0.551 [3.3-14] | 0.13-0.571 [3.3-14.5] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | ● | ● | ● | ● | ● |
| O Other | ● | ● | ● | ● | ● |

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www.walter-tools.com/woc/

DB131

DC260

DC260

DC160

DC160

Solid carbide drills without internal coolant

| | | |
|----------------|--------------------|--------------------|
| | | |
| Drilling depth | 3 x D _C | 3 x D _C |



| | | | | | |
|-----------------------------------------------|--------------------|--------------------------------------|-----------------------|---------------------|--------------------|
| Designation | DC150 Perform | DC150 Perform | DC150 Perform | A1166TIN | A1166 |
| Additional services | | | | | |
| Standard | DIN 6537 K | DIN 6537 K | DIN 6539 | Walter | Walter |
| Coating / grade | WJ30RE | WJ30RE | WJ30RE | TIN | uncoated |
| Shank | DIN 6535 HA | DIN 6535 HE, turned 180° DIN 6535 HB | Cylindrical shank | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.059-0.114 [1.5-2.9] | 0.13-0.551 [3.3-14] | 0.118-0.709 [3-18] |
| P Steel | ●● | ●● | ●● | ● | ● |
| M Stainless steel | ● | ● | ● | | |
| K Cast iron | ●● | ●● | ●● | | |
| N NF metals | ● | ● | ● | | ● |
| S Materials with difficult cutting properties | ● | ● | ● | | ● |
| H Hard materials | ● | ● | ● | ● | ● |
| O Other | ● | ● | ● | | |

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www.walter-tools.com/woc/

DC150

DC150

DC150

A1166TIN

A1166

B1

Solid carbide drills without internal coolant

B1

| | | | |
|----------------|--------------------|--------------------|--------------------|
| | | | |
| Drilling depth | 3 x D _C | 5 x D _C | 5 x D _C |



| | | | | | |
|-----------------------------------------------|--------------------|---------------------------------|---------------------------------|--------------------|-----------------------|
| Designation | A1163 | DC160 Advance X-treme Evo | DC160 Advance X-treme Evo | DC150 Perform | DB133 Supreme |
| Additional services | | | | | |
| Standard | DIN 6539 | DIN 6537 L | DIN 6537 L | DIN 6537 L | Walter |
| Coating / grade | uncoated | WJ30ET | WJ30ET | WJ30TA | WJ30EL |
| Shank | Cylindrical shank | DIN 6535 HA | DIN 6535 HE | DIN 6535 HA | DIN 6535 HA |
| Diameter range inch [mm] | 0.039-0.472 [1-12] | 0.118-0.984 [3-25] | 0.118-0.984 [3-25] | 0.118-0.787 [3-20] | 0.02-0.116 [0.5-2.95] |
| P Steel | | ●● | ●● | ●● | ●● |
| M Stainless steel | | | | ● | |
| K Cast iron | ● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ● | ● | ● | ●● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | ● | ● | ● | ● |
| O Other | ●● | ● | ● | ● | ● |

Page in catalog

QR code



www.walter-tools.com/woc/

A1163

DC160

DC160

DC150

DB133

Solid carbide drills without internal coolant

| | | | | | |
|----------------|--------------------|--------------------|--|--------------------|--|
| | | | | | |
| Drilling depth | 5 x D _C | 5 x D _C | | 8 x D _C | |



| | | | | | |
|-----------------------------------------------|------------------------|-------------------|-----------------------|-----------------------|----------------------|
| Designation | DB130 Advance | A3367 BSX | DB133 Supreme | A1276TFL Alpha® 22 | A1263 |
| Additional services | | | | | |
| Standard | DIN 1899 | DIN 6537 L | Walter | DIN 338 | DIN 338 |
| Coating / grade | WJ30UU | uncoated | WJ30ER | TFL | uncoated |
| Shank | Cylindrical shank | DIN 6535 HA | DIN 6535 HA | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | 0.004-0.057 [0.1-1.45] | 0.118-0.63 [3-16] | 0.02-0.116 [0.5-2.95] | 0.118-0.402 [3-10.2] | 0.024-0.472 [0.6-12] |
| P Steel | ●● | | ●● | ●● | |
| M Stainless steel | ●● | | | | |
| K Cast iron | ●● | ●● | ●● | ●● | ● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ● | ● | ● | ● |
| H Hard materials | | | ● | | |
| O Other | ●● | ● | ● | | ●● |

Page in catalog

QR code



DB130



A3367



DB133



A1276TFL



A1263

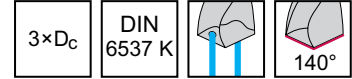
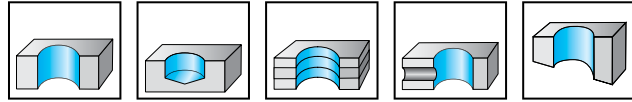
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B1

Solid carbide drills with coolant-through
DD170 Supreme
Drivox-tec™ Ikon
Powered by Krato-tec®



B1



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

| Tool | Designation | D _c m7 mm | D _c m7 in | D _c Inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|----------------------|----------------------|----------------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | ★ DD170-03-03.000A1- | 3 | 0.1181 | | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.100A1- | 3.1 | 0.1220 | | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.175A1- | 3.175 | 0.1250 | 1/8" | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.200A1- | 3.2 | 0.1260 | | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.300A1- | 3.3 | 0.1299 | | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.400A1- | 3.4 | 0.1339 | | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.500A1- | 3.5 | 0.1378 | | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.572A1- | 3.572 | 0.1406 | 9/64" | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.600A1- | 3.6 | 0.1417 | | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.700A1- | 3.7 | 0.1457 | | 14 | 62 | 20 | 36 | 6 | ☹ |
| | ★ DD170-03-03.800A1- | 3.8 | 0.1496 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-03.900A1- | 3.9 | 0.1535 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-03.969A1- | 3.969 | 0.1563 | 5/32" | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.000A1- | 4 | 0.1575 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.100A1- | 4.1 | 0.1614 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.200A1- | 4.2 | 0.1654 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.300A1- | 4.3 | 0.1693 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.366A1- | 4.366 | 0.1719 | 11/64" | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.400A1- | 4.4 | 0.1732 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.500A1- | 4.5 | 0.1772 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.600A1- | 4.6 | 0.1811 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.650A1- | 4.65 | 0.1831 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.700A1- | 4.7 | 0.1850 | | 17 | 66 | 24 | 36 | 6 | ☹ |
| | ★ DD170-03-04.763A1- | 4.763 | 0.1875 | 3/16" | 20 | 66 | 28 | 36 | 6 | ☹ |
| | ★ DD170-03-04.800A1- | 4.8 | 0.1890 | | 20 | 66 | 28 | 36 | 6 | ☹ |
| | ★ DD170-03-04.900A1- | 4.9 | 0.1929 | | 20 | 66 | 28 | 36 | 6 | ☹ |
| | ★ DD170-03-05.000A1- | 5 | 0.1969 | | 20 | 66 | 28 | 36 | 6 | ☹ |
| | ★ DD170-03-05.100A1- | 5.1 | 0.2008 | | 20 | 66 | 28 | 36 | 6 | ☹ |
| | ★ DD170-03-05.159A1- | 5.159 | 0.2031 | 13/64" | 20 | 66 | 28 | 36 | 6 | ☹ |
| | ★ DD170-03-05.200A1- | 5.2 | 0.2047 | | 20 | 66 | 28 | 36 | 6 | ☹ |
| | ★ DD170-03-05.300A1- | 5.3 | 0.2087 | | 20 | 66 | 28 | 36 | 6 | ☹ |
| | ★ DD170-03-05.400A1- | 5.4 | 0.2126 | | 20 | 66 | 28 | 36 | 6 | ☹ |
| | ★ DD170-03-05.500A1- | 5.5 | 0.2165 | | 20 | 66 | 28 | 36 | 6 | ☹ |
| ★ DD170-03-05.550A1- | 5.55 | 0.2185 | | 20 | 66 | 28 | 36 | 6 | ☹ | |
| ★ DD170-03-05.556A1- | 5.556 | 0.2187 | 7/32" | 20 | 66 | 28 | 36 | 6 | ☹ | |
| ★ DD170-03-05.600A1- | 5.6 | 0.2205 | | 20 | 66 | 28 | 36 | 6 | ☹ | |

Ordering example for the grade WJ30EY: DD170-03-03.000A1-WJ30EY

WALTER SELECT

●● Primary application ● Other application

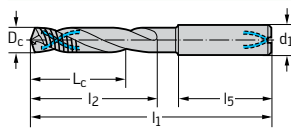
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions

| Tool | Designation | D _c m7 mm | D _c m7 in | D _c Inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|----------------------|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | * DD170-03-05.700A1- | 5.7 | 0.2244 | | 20 | 66 | 28 | 36 | 6 | ☺ |
| | * DD170-03-05.800A1- | 5.8 | 0.2283 | | 20 | 66 | 28 | 36 | 6 | ☺ |
| | * DD170-03-05.900A1- | 5.9 | 0.2323 | | 20 | 66 | 28 | 36 | 6 | ☺ |
| | * DD170-03-06.000A1- | 6 | 0.2362 | | 20 | 66 | 28 | 36 | 6 | ☺ |
| | * DD170-03-06.100A1- | 6.1 | 0.2402 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.200A1- | 6.2 | 0.2441 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.300A1- | 6.3 | 0.2480 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.350A1- | 6.350 | 0.2500 | 1/4" | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.400A1- | 6.4 | 0.2520 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.500A1- | 6.5 | 0.2559 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.600A1- | 6.6 | 0.2598 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.700A1- | 6.7 | 0.2638 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.747A1- | 6.747 | 0.2656 | 17/64" | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.800A1- | 6.8 | 0.2677 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-06.900A1- | 6.9 | 0.2717 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-07.000A1- | 7 | 0.2756 | | 24 | 79 | 34 | 36 | 8 | ☺ |
| | * DD170-03-07.100A1- | 7.1 | 0.2795 | | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-07.144A1- | 7.144 | 0.2813 | 9/32" | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-07.200A1- | 7.2 | 0.2835 | | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-07.300A1- | 7.3 | 0.2874 | | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-07.400A1- | 7.4 | 0.2913 | | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-07.500A1- | 7.5 | 0.2953 | | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-07.541A1- | 7.541 | 0.2969 | 19/64" | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-07.800A1- | 7.8 | 0.3071 | | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-07.938A1- | 7.938 | 0.3125 | 5/16" | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-08.000A1- | 8 | 0.3150 | | 29 | 79 | 41 | 36 | 8 | ☺ |
| | * DD170-03-08.100A1- | 8.1 | 0.3189 | | 35 | 89 | 47 | 40 | 10 | ☺ |
| | * DD170-03-08.200A1- | 8.2 | 0.3228 | | 35 | 89 | 47 | 40 | 10 | ☺ |
| | * DD170-03-08.300A1- | 8.3 | 0.3268 | | 35 | 89 | 47 | 40 | 10 | ☺ |
| | * DD170-03-08.500A1- | 8.5 | 0.3346 | | 35 | 89 | 47 | 40 | 10 | ☺ |
| | * DD170-03-08.600A1- | 8.6 | 0.3386 | | 35 | 89 | 47 | 40 | 10 | ☺ |
| | * DD170-03-08.700A1- | 8.7 | 0.3425 | | 35 | 89 | 47 | 40 | 10 | ☺ |
| | * DD170-03-08.731A1- | 8.731 | 0.3437 | 11/32" | 35 | 89 | 47 | 40 | 10 | ☺ |
| | * DD170-03-08.800A1- | 8.8 | 0.3465 | | 35 | 89 | 47 | 40 | 10 | ☺ |
| | * DD170-03-09.000A1- | 9 | 0.3543 | | 35 | 89 | 47 | 40 | 10 | ☺ |
| * DD170-03-09.128A1- | 9.128 | 0.3594 | 23/64" | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-09.200A1- | 9.2 | 0.3622 | | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-09.300A1- | 9.3 | 0.3661 | | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-09.500A1- | 9.5 | 0.3740 | | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-09.525A1- | 9.525 | 0.3750 | 3/8" | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-09.600A1- | 9.6 | 0.3780 | | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-09.700A1- | 9.7 | 0.3819 | | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-09.800A1- | 9.8 | 0.3858 | | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-09.922A1- | 9.922 | 0.3906 | 25/64" | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-10.000A1- | 10 | 0.3937 | | 35 | 89 | 47 | 40 | 10 | ☺ | |
| * DD170-03-10.100A1- | 10.1 | 0.3976 | | 40 | 102 | 55 | 45 | 12 | ☺ | |

Ordering example for the grade WJ30EY: DD170-03-03.000A1-WJ30EY

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

B1

Tool


| Designation | D _c m7 mm | D _c m7 in | D _c inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| ★ DD170-03-10.200A1- | 10.2 | 0.4016 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-10.300A1- | 10.3 | 0.4055 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-10.319A1- | 10.319 | 0.4063 | 13/32" | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-10.400A1- | 10.4 | 0.4094 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-10.500A1- | 10.5 | 0.4134 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-10.716A1- | 10.716 | 0.4219 | 27/64" | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-10.800A1- | 10.8 | 0.4252 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-11.000A1- | 11 | 0.4331 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-11.100A1- | 11.1 | 0.4370 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-11.113A1- | 11.113 | 0.4375 | 7/16" | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-11.200A1- | 11.2 | 0.4409 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-11.500A1- | 11.5 | 0.4528 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-11.509A1- | 11.509 | 0.4531 | 29/64" | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-11.700A1- | 11.7 | 0.4606 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-11.800A1- | 11.8 | 0.4646 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-12.000A1- | 12 | 0.4724 | | 40 | 102 | 55 | 45 | 12 | ☹ |
| ★ DD170-03-12.100A1- | 12.1 | 0.4764 | | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-12.200A1- | 12.2 | 0.4803 | | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-12.300A1- | 12.3 | 0.4843 | | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-12.500A1- | 12.5 | 0.4921 | | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-12.600A1- | 12.6 | 0.4961 | | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-12.700A1- | 12.700 | 0.5000 | 1/2" | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-13.000A1- | 13 | 0.5118 | | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-13.300A1- | 13.3 | 0.5236 | | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-13.494A1- | 13.494 | 0.5313 | 17/32" | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-13.500A1- | 13.5 | 0.5315 | | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-14.000A1- | 14 | 0.5512 | | 43 | 107 | 60 | 45 | 14 | ☹ |
| ★ DD170-03-14.288A1- | 14.288 | 0.5625 | 9/16" | 45 | 115 | 65 | 48 | 16 | ☹ |
| ★ DD170-03-14.500A1- | 14.5 | 0.5709 | | 45 | 115 | 65 | 48 | 16 | ☹ |
| ★ DD170-03-15.000A1- | 15 | 0.5906 | | 45 | 115 | 65 | 48 | 16 | ☹ |
| ★ DD170-03-15.875A1- | 15.875 | 0.6250 | 5/8" | 45 | 115 | 65 | 48 | 16 | ☹ |
| ★ DD170-03-16.000A1- | 16 | 0.6299 | | 45 | 115 | 65 | 48 | 16 | ☹ |
| ★ DD170-03-16.500A1- | 16.5 | 0.6496 | | 51 | 123 | 73 | 48 | 18 | ☹ |
| ★ DD170-03-17.000A1- | 17 | 0.6693 | | 51 | 123 | 73 | 48 | 18 | ☹ |
| ★ DD170-03-17.500A1- | 17.5 | 0.6890 | | 51 | 123 | 73 | 48 | 18 | ☹ |
| ★ DD170-03-18.000A1- | 18 | 0.7087 | | 51 | 123 | 73 | 48 | 18 | ☹ |
| ★ DD170-03-19.050A1- | 19.050 | 0.7500 | 3/4" | 55 | 131 | 79 | 50 | 20 | ☹ |
| ★ DD170-03-20.000A1- | 20 | 0.7874 | | 55 | 131 | 79 | 50 | 20 | ☹ |

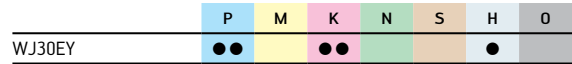
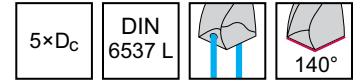
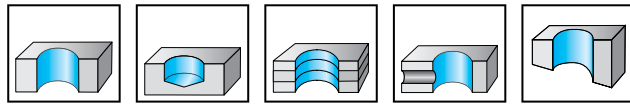
Ordering example for the grade WJ30EY: DD170-03-03.000A1-WJ30EY

Solid carbide drills with coolant-through

DD170 Supreme

Drivox-tec™ Ikon

Powered by Krato-tec®



B1

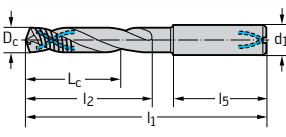
| Tool | Designation | D _c m7 mm | D _c m7 in | D _c Inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|------|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| | ★ DD170-05-03.000A1- | 3 | 0.1181 | | 19 | 66 | 24 | 36 | 6 | ☺ |
| | ★ DD170-05-03.100A1- | 3.1 | 0.1220 | | 19 | 66 | 24 | 36 | 6 | ☺ |
| | ★ DD170-05-03.175A1- | 3.175 | 0.1250 | 1/8" | 19 | 66 | 24 | 36 | 6 | ☺ |
| | ★ DD170-05-03.200A1- | 3.2 | 0.1260 | | 19 | 66 | 24 | 36 | 6 | ☺ |
| | ★ DD170-05-03.300A1- | 3.3 | 0.1299 | | 19 | 66 | 24 | 36 | 6 | ☺ |
| | ★ DD170-05-03.400A1- | 3.4 | 0.1339 | | 19 | 66 | 24 | 36 | 6 | ☺ |
| | ★ DD170-05-03.500A1- | 3.5 | 0.1378 | | 19 | 66 | 24 | 36 | 6 | ☺ |
| | ★ DD170-05-03.600A1- | 3.6 | 0.1417 | | 19 | 66 | 24 | 36 | 6 | ☺ |
| | ★ DD170-05-03.700A1- | 3.7 | 0.1457 | | 19 | 66 | 24 | 36 | 6 | ☺ |
| | ★ DD170-05-03.800A1- | 3.8 | 0.1496 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-03.900A1- | 3.9 | 0.1535 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-03.969A1- | 3.969 | 0.1563 | 5/32" | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.000A1- | 4 | 0.1575 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.100A1- | 4.1 | 0.1614 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.200A1- | 4.2 | 0.1654 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.300A1- | 4.3 | 0.1693 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.366A1- | 4.366 | 0.1719 | 11/64" | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.400A1- | 4.4 | 0.1732 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.500A1- | 4.5 | 0.1772 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.600A1- | 4.6 | 0.1811 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.650A1- | 4.65 | 0.1831 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.700A1- | 4.7 | 0.1850 | | 29 | 74 | 36 | 36 | 6 | ☺ |
| | ★ DD170-05-04.763A1- | 4.763 | 0.1875 | 3/16" | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-04.800A1- | 4.8 | 0.1890 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-04.900A1- | 4.9 | 0.1929 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.000A1- | 5 | 0.1969 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.100A1- | 5.1 | 0.2008 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.159A1- | 5.159 | 0.2031 | 13/64" | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.200A1- | 5.2 | 0.2047 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.300A1- | 5.3 | 0.2087 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.500A1- | 5.5 | 0.2165 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.550A1- | 5.55 | 0.2185 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.556A1- | 5.556 | 0.2187 | 7/32" | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.600A1- | 5.6 | 0.2205 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.700A1- | 5.7 | 0.2244 | | 35 | 82 | 44 | 36 | 6 | ☺ |
| | ★ DD170-05-05.800A1- | 5.8 | 0.2283 | | 35 | 82 | 44 | 36 | 6 | ☺ |

Ordering example for the grade WJ30EY: DD170-05-03.000A1-WJ30EY

WALTER SELECT

●● Primary application ● Other application

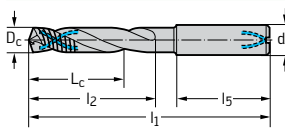
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions

| Tool | Designation | D _c m7 mm | D _c m7 in | D _c inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|------------------------------------------------------------------------------------------------------|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
|  <p>DIN 6535 HA</p> | ★ DD170-05-05.900A1- | 5.9 | 0.2323 | | 35 | 82 | 44 | 36 | 6 | ☹ |
| | ★ DD170-05-05.953A1- | 5.953 | 0.2344 | 15/64" | 35 | 82 | 44 | 36 | 6 | ☹ |
| | ★ DD170-05-06.000A1- | 6 | 0.2362 | | 35 | 82 | 44 | 36 | 6 | ☹ |
| | ★ DD170-05-06.100A1- | 6.1 | 0.2402 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.200A1- | 6.2 | 0.2441 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.300A1- | 6.3 | 0.2480 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.350A1- | 6.350 | 0.2500 | 1/4" | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.400A1- | 6.4 | 0.2520 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.500A1- | 6.5 | 0.2559 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.600A1- | 6.6 | 0.2598 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.700A1- | 6.7 | 0.2638 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.747A1- | 6.747 | 0.2656 | 17/64" | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.800A1- | 6.8 | 0.2677 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-06.900A1- | 6.9 | 0.2717 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.000A1- | 7 | 0.2756 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.100A1- | 7.1 | 0.2795 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.144A1- | 7.144 | 0.2813 | 9/32" | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.200A1- | 7.2 | 0.2835 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.300A1- | 7.3 | 0.2874 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.400A1- | 7.4 | 0.2913 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.500A1- | 7.5 | 0.2953 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.800A1- | 7.8 | 0.3071 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.900A1- | 7.9 | 0.3110 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-07.938A1- | 7.938 | 0.3125 | 5/16" | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-08.000A1- | 8 | 0.3150 | | 43 | 91 | 53 | 36 | 8 | ☹ |
| | ★ DD170-05-08.100A1- | 8.1 | 0.3189 | | 49 | 103 | 61 | 40 | 10 | ☹ |
| | ★ DD170-05-08.200A1- | 8.2 | 0.3228 | | 49 | 103 | 61 | 40 | 10 | ☹ |
| | ★ DD170-05-08.300A1- | 8.3 | 0.3268 | | 49 | 103 | 61 | 40 | 10 | ☹ |
| | ★ DD170-05-08.334A1- | 8.334 | 0.3281 | 21/64" | 49 | 103 | 61 | 40 | 10 | ☹ |
| | ★ DD170-05-08.400A1- | 8.4 | 0.3307 | | 49 | 103 | 61 | 40 | 10 | ☹ |
| | ★ DD170-05-08.500A1- | 8.5 | 0.3346 | | 49 | 103 | 61 | 40 | 10 | ☹ |
| | ★ DD170-05-08.600A1- | 8.6 | 0.3386 | | 49 | 103 | 61 | 40 | 10 | ☹ |
| | ★ DD170-05-08.700A1- | 8.7 | 0.3425 | | 49 | 103 | 61 | 40 | 10 | ☹ |
| | ★ DD170-05-08.731A1- | 8.731 | 0.3437 | 11/32" | 49 | 103 | 61 | 40 | 10 | ☹ |
| | ★ DD170-05-08.800A1- | 8.8 | 0.3465 | | 49 | 103 | 61 | 40 | 10 | ☹ |
| ★ DD170-05-09.000A1- | 9 | 0.3543 | | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-09.128A1- | 9.128 | 0.3594 | 23/64" | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-09.200A1- | 9.2 | 0.3622 | | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-09.300A1- | 9.3 | 0.3661 | | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-09.500A1- | 9.5 | 0.3740 | | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-09.525A1- | 9.525 | 0.3750 | 3/8" | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-09.600A1- | 9.6 | 0.3780 | | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-09.700A1- | 9.7 | 0.3819 | | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-09.800A1- | 9.8 | 0.3858 | | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-09.900A1- | 9.9 | 0.3898 | | 49 | 103 | 61 | 40 | 10 | ☹ | |
| ★ DD170-05-10.000A1- | 10 | 0.3937 | | 49 | 103 | 61 | 40 | 10 | ☹ | |

Ordering example for the grade WJ30EY: DD170-05-03.000A1-WJ30EY

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

Tool



| Designation | D _c m7 mm | D _c m7 in | D _c Inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| ★ DD170-05-10.100A1- | 10.1 | 0.3976 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-10.200A1- | 10.2 | 0.4016 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-10.300A1- | 10.3 | 0.4055 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-10.319A1- | 10.319 | 0.4063 | 13/32" | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-10.400A1- | 10.4 | 0.4094 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-10.500A1- | 10.5 | 0.4134 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-10.716A1- | 10.716 | 0.4219 | 27/64" | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-10.800A1- | 10.8 | 0.4252 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-11.000A1- | 11 | 0.4331 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-11.100A1- | 11.1 | 0.4370 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-11.113A1- | 11.113 | 0.4375 | 7/16" | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-11.200A1- | 11.2 | 0.4409 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-11.500A1- | 11.5 | 0.4528 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-11.509A1- | 11.509 | 0.4531 | 29/64" | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-11.800A1- | 11.8 | 0.4646 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-11.906A1- | 11.906 | 0.4687 | 15/32" | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-12.000A1- | 12 | 0.4724 | | 56 | 118 | 71 | 45 | 12 | ☹ |
| ★ DD170-05-12.100A1- | 12.1 | 0.4764 | | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-12.200A1- | 12.2 | 0.4803 | | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-12.300A1- | 12.3 | 0.4843 | | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-12.303A1- | 12.303 | 0.4844 | 31/64" | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-12.500A1- | 12.5 | 0.4921 | | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-12.700A1- | 12.700 | 0.5000 | 1/2" | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-13.000A1- | 13 | 0.5118 | | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-13.300A1- | 13.3 | 0.5236 | | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-13.494A1- | 13.494 | 0.5313 | 17/32" | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-13.500A1- | 13.5 | 0.5315 | | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-14.000A1- | 14 | 0.5512 | | 60 | 124 | 77 | 45 | 14 | ☹ |
| ★ DD170-05-14.288A1- | 14.288 | 0.5625 | 9/16" | 63 | 133 | 83 | 48 | 16 | ☹ |
| ★ DD170-05-14.500A1- | 14.5 | 0.5709 | | 63 | 133 | 83 | 48 | 16 | ☹ |
| ★ DD170-05-15.000A1- | 15 | 0.5906 | | 63 | 133 | 83 | 48 | 16 | ☹ |
| ★ DD170-05-15.500A1- | 15.5 | 0.6102 | | 63 | 133 | 83 | 48 | 16 | ☹ |
| ★ DD170-05-15.875A1- | 15.875 | 0.6250 | 5/8" | 63 | 133 | 83 | 48 | 16 | ☹ |
| ★ DD170-05-16.000A1- | 16 | 0.6299 | | 63 | 133 | 83 | 48 | 16 | ☹ |
| ★ DD170-05-16.500A1- | 16.5 | 0.6496 | | 71 | 143 | 93 | 48 | 18 | ☹ |
| ★ DD170-05-17.000A1- | 17 | 0.6693 | | 71 | 143 | 93 | 48 | 18 | ☹ |
| ★ DD170-05-17.500A1- | 17.5 | 0.6890 | | 71 | 143 | 93 | 48 | 18 | ☹ |
| ★ DD170-05-18.000A1- | 18 | 0.7087 | | 71 | 143 | 93 | 48 | 18 | ☹ |
| ★ DD170-05-18.500A1- | 18.5 | 0.7283 | | 77 | 153 | 101 | 50 | 20 | ☹ |
| ★ DD170-05-19.000A1- | 19 | 0.7480 | | 77 | 153 | 101 | 50 | 20 | ☹ |
| ★ DD170-05-19.050A1- | 19.050 | 0.7500 | 3/4" | 77 | 153 | 101 | 50 | 20 | ☹ |
| ★ DD170-05-20.000A1- | 20 | 0.7874 | | 77 | 153 | 101 | 50 | 20 | ☹ |

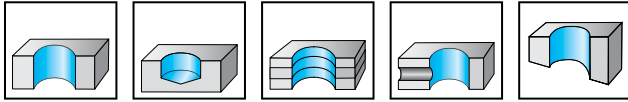
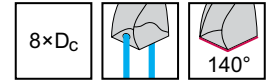
Ordering example for the grade WJ30EY: DD170-05-03.000A1-WJ30EY

Solid carbide drills with coolant-through

DD170 Supreme

Drivox-tec™ Ikon

Powered by Krato-tec®



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

B1

| Tool | Designation | D _c m7 mm | D _c m7 in | D _c Inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|----------------------|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | ★ DD170-08-03.000A1- | 3 | 0.1181 | | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.100A1- | 3.1 | 0.1220 | | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.175A1- | 3.175 | 0.1250 | 1/8" | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.200A1- | 3.2 | 0.1260 | | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.300A1- | 3.3 | 0.1299 | | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.400A1- | 3.4 | 0.1339 | | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.500A1- | 3.5 | 0.1378 | | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.572A1- | 3.572 | 0.1406 | 9/64" | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.600A1- | 3.6 | 0.1417 | | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.700A1- | 3.7 | 0.1457 | | 28 | 74 | 34 | 36 | 6 | ☹ |
| | ★ DD170-08-03.800A1- | 3.8 | 0.1496 | | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-03.900A1- | 3.9 | 0.1535 | | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-03.969A1- | 3.969 | 0.1563 | 5/32" | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-04.000A1- | 4 | 0.1575 | | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-04.100A1- | 4.1 | 0.1614 | | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-04.200A1- | 4.2 | 0.1654 | | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-04.300A1- | 4.3 | 0.1693 | | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-04.366A1- | 4.366 | 0.1719 | 11/64" | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-04.400A1- | 4.4 | 0.1732 | | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-04.500A1- | 4.5 | 0.1772 | | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-04.600A1- | 4.6 | 0.1811 | | 37 | 85 | 45 | 36 | 6 | ☹ |
| | ★ DD170-08-04.763A1- | 4.763 | 0.1875 | 3/16" | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-04.800A1- | 4.8 | 0.1890 | | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-04.900A1- | 4.9 | 0.1929 | | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-05.000A1- | 5 | 0.1969 | | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-05.100A1- | 5.1 | 0.2008 | | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-05.159A1- | 5.159 | 0.2031 | 13/64" | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-05.200A1- | 5.2 | 0.2047 | | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-05.300A1- | 5.3 | 0.2087 | | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-05.400A1- | 5.4 | 0.2126 | | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-05.500A1- | 5.5 | 0.2165 | | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-05.556A1- | 5.556 | 0.2187 | 7/32" | 48 | 97 | 57 | 36 | 6 | ☹ |
| ★ DD170-08-05.600A1- | 5.6 | 0.2205 | | 48 | 97 | 57 | 36 | 6 | ☹ | |
| ★ DD170-08-05.700A1- | 5.7 | 0.2244 | | 48 | 97 | 57 | 36 | 6 | ☹ | |
| ★ DD170-08-05.800A1- | 5.8 | 0.2283 | | 48 | 97 | 57 | 36 | 6 | ☹ | |
| ★ DD170-08-05.900A1- | 5.9 | 0.2323 | | 48 | 97 | 57 | 36 | 6 | ☹ | |

Ordering example for the grade WJ30EY: DD170-08-03.000A1-WJ30EY

WALTER SELECT

●● Primary application ● Other application

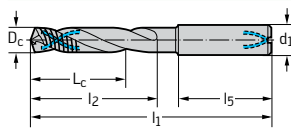
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹☹ machining conditions

| Tool | | D _c m7 mm | D _c m7 in | D _c inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|----------------------|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | ★ DD170-08-06.000A1- | 6 | 0.2362 | | 48 | 97 | 57 | 36 | 6 | ☹ |
| | ★ DD170-08-06.100A1- | 6.1 | 0.2402 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.200A1- | 6.2 | 0.2441 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.300A1- | 6.3 | 0.2480 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.350A1- | 6.350 | 0.2500 | 1/4" | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.400A1- | 6.4 | 0.2520 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.500A1- | 6.5 | 0.2559 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.600A1- | 6.6 | 0.2598 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.700A1- | 6.7 | 0.2638 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.747A1- | 6.747 | 0.2656 | 17/64" | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.800A1- | 6.8 | 0.2677 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-06.900A1- | 6.9 | 0.2717 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-07.000A1- | 7 | 0.2756 | | 55 | 106 | 66 | 36 | 8 | ☹ |
| | ★ DD170-08-07.144A1- | 7.144 | 0.2813 | 9/32" | 64 | 116 | 76 | 36 | 8 | ☹ |
| | ★ DD170-08-07.400A1- | 7.4 | 0.2913 | | 64 | 116 | 76 | 36 | 8 | ☹ |
| | ★ DD170-08-07.500A1- | 7.5 | 0.2953 | | 64 | 116 | 76 | 36 | 8 | ☹ |
| | ★ DD170-08-07.600A1- | 7.6 | 0.2992 | | 64 | 116 | 76 | 36 | 8 | ☹ |
| | ★ DD170-08-07.700A1- | 7.7 | 0.3031 | | 64 | 116 | 76 | 36 | 8 | ☹ |
| | ★ DD170-08-07.800A1- | 7.8 | 0.3071 | | 64 | 116 | 76 | 36 | 8 | ☹ |
| | ★ DD170-08-07.900A1- | 7.9 | 0.3110 | | 64 | 116 | 76 | 36 | 8 | ☹ |
| | ★ DD170-08-07.938A1- | 7.938 | 0.3125 | 5/16" | 64 | 116 | 76 | 36 | 8 | ☹ |
| | ★ DD170-08-08.000A1- | 8 | 0.3150 | | 64 | 116 | 76 | 36 | 8 | ☹ |
| | ★ DD170-08-08.100A1- | 8.1 | 0.3189 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-08.200A1- | 8.2 | 0.3228 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-08.300A1- | 8.3 | 0.3268 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-08.334A1- | 8.334 | 0.3281 | 21/64" | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-08.400A1- | 8.4 | 0.3307 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-08.500A1- | 8.5 | 0.3346 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-08.600A1- | 8.6 | 0.3386 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-08.700A1- | 8.7 | 0.3425 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-08.731A1- | 8.731 | 0.3437 | 11/32" | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-08.800A1- | 8.8 | 0.3465 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-09.000A1- | 9 | 0.3543 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-09.100A1- | 9.1 | 0.3583 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-09.128A1- | 9.128 | 0.3594 | 23/64" | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-09.200A1- | 9.2 | 0.3622 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-09.300A1- | 9.3 | 0.3661 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-09.400A1- | 9.4 | 0.3701 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-09.500A1- | 9.5 | 0.3740 | | 80 | 139 | 95 | 40 | 10 | ☹ |
| | ★ DD170-08-09.525A1- | 9.525 | 0.3750 | 3/8" | 80 | 139 | 95 | 40 | 10 | ☹ |
| ★ DD170-08-09.600A1- | 9.6 | 0.3780 | | 80 | 139 | 95 | 40 | 10 | ☹ | |
| ★ DD170-08-09.700A1- | 9.7 | 0.3819 | | 80 | 139 | 95 | 40 | 10 | ☹ | |
| ★ DD170-08-09.800A1- | 9.8 | 0.3858 | | 80 | 139 | 95 | 40 | 10 | ☹ | |
| ★ DD170-08-09.900A1- | 9.9 | 0.3898 | | 80 | 139 | 95 | 40 | 10 | ☹ | |
| ★ DD170-08-09.922A1- | 9.922 | 0.3906 | 25/64" | 80 | 139 | 95 | 40 | 10 | ☹ | |
| ★ DD170-08-10.000A1- | 10 | 0.3937 | | 80 | 139 | 95 | 40 | 10 | ☹ | |

Ordering example for the grade WJ30EY: DD170-08-03.000A1-WJ30EY

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

Tool



| Designation | D _c m7 mm | D _c m7 in | D _c Inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| ★ DD170-08-10.100A1- | 10.1 | 0.3976 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-10.200A1- | 10.2 | 0.4016 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-10.300A1- | 10.3 | 0.4055 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-10.319A1- | 10.319 | 0.4063 | 13/32" | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-10.500A1- | 10.5 | 0.4134 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-10.716A1- | 10.716 | 0.4219 | 27/64" | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-10.800A1- | 10.8 | 0.4252 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.000A1- | 11 | 0.4331 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.100A1- | 11.1 | 0.4370 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.113A1- | 11.113 | 0.4375 | 7/16" | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.200A1- | 11.2 | 0.4409 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.300A1- | 11.3 | 0.4449 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.400A1- | 11.4 | 0.4488 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.500A1- | 11.5 | 0.4528 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.700A1- | 11.7 | 0.4606 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.800A1- | 11.8 | 0.4646 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-11.900A1- | 11.9 | 0.4685 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-12.000A1- | 12 | 0.4724 | | 96 | 163 | 114 | 45 | 12 | ☹ |
| ★ DD170-08-12.303A1- | 12.303 | 0.4844 | 31/64" | 119 | 182 | 133 | 45 | 14 | ☹ |
| ★ DD170-08-12.500A1- | 12.5 | 0.4921 | | 119 | 182 | 133 | 45 | 14 | ☹ |
| ★ DD170-08-12.700A1- | 12.700 | 0.5000 | 1/2" | 119 | 182 | 133 | 45 | 14 | ☹ |
| ★ DD170-08-13.000A1- | 13 | 0.5118 | | 119 | 182 | 133 | 45 | 14 | ☹ |
| ★ DD170-08-13.494A1- | 13.494 | 0.5313 | 17/32" | 119 | 182 | 133 | 45 | 14 | ☹ |
| ★ DD170-08-13.500A1- | 13.5 | 0.5315 | | 119 | 182 | 133 | 45 | 14 | ☹ |
| ★ DD170-08-14.000A1- | 14 | 0.5512 | | 119 | 182 | 133 | 45 | 14 | ☹ |
| ★ DD170-08-14.288A1- | 14.288 | 0.5625 | 9/16" | 136 | 204 | 152 | 48 | 16 | ☹ |
| ★ DD170-08-14.500A1- | 14.5 | 0.5709 | | 136 | 204 | 152 | 48 | 16 | ☹ |
| ★ DD170-08-15.000A1- | 15 | 0.5906 | | 136 | 204 | 152 | 48 | 16 | ☹ |
| ★ DD170-08-15.500A1- | 15.5 | 0.6102 | | 136 | 204 | 152 | 48 | 16 | ☹ |
| ★ DD170-08-15.875A1- | 15.875 | 0.6250 | 5/8" | 136 | 204 | 152 | 48 | 16 | ☹ |
| ★ DD170-08-16.000A1- | 16 | 0.6299 | | 136 | 204 | 152 | 48 | 16 | ☹ |
| ★ DD170-08-16.500A1- | 16.5 | 0.6496 | | 153 | 223 | 171 | 48 | 18 | ☹ |
| ★ DD170-08-17.000A1- | 17 | 0.6693 | | 153 | 223 | 171 | 48 | 18 | ☹ |
| ★ DD170-08-17.500A1- | 17.5 | 0.6890 | | 153 | 223 | 171 | 48 | 18 | ☹ |
| ★ DD170-08-18.000A1- | 18 | 0.7087 | | 153 | 223 | 171 | 48 | 18 | ☹ |
| ★ DD170-08-20.000A1- | 20 | 0.7874 | | 170 | 244 | 190 | 50 | 20 | ☹ |

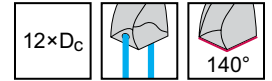
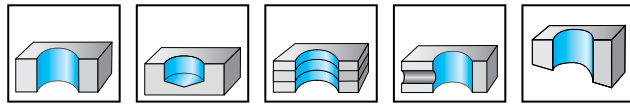
Ordering example for the grade WJ30EY: DD170-08-03.000A1-WJ30EY

Solid carbide drills with coolant-through

DD170 Supreme

Drivox-tec™ Ikon

Powered by Krato-tec®



| | | | | | | |
|----|---|----|---|---|---|---|
| P | M | K | N | S | H | O |
| ●● | | ●● | | | ● | |

B1

| Tool | Designation | D _c m7 mm | D _c m7 in | D _c Inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|------|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| | ★ DD170-12-03.000A1- | 3 | 0.1181 | | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.100A1- | 3.1 | 0.1220 | | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.175A1- | 3.175 | 0.1250 | 1/8" | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.200A1- | 3.2 | 0.1260 | | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.300A1- | 3.3 | 0.1299 | | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.400A1- | 3.4 | 0.1339 | | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.500A1- | 3.5 | 0.1378 | | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.572A1- | 3.572 | 0.1406 | 9/64" | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.600A1- | 3.6 | 0.1417 | | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.700A1- | 3.7 | 0.1457 | | 48 | 92 | 54 | 36 | 6 | ☺ |
| | ★ DD170-12-03.800A1- | 3.8 | 0.1496 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-03.900A1- | 3.9 | 0.1535 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-03.969A1- | 3.969 | 0.1563 | 5/32" | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.000A1- | 4 | 0.1575 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.100A1- | 4.1 | 0.1614 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.200A1- | 4.2 | 0.1654 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.300A1- | 4.3 | 0.1693 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.366A1- | 4.366 | 0.1719 | 11/64" | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.400A1- | 4.4 | 0.1732 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.500A1- | 4.5 | 0.1772 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.600A1- | 4.6 | 0.1811 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.700A1- | 4.7 | 0.1850 | | 56 | 102 | 64 | 36 | 6 | ☺ |
| | ★ DD170-12-04.763A1- | 4.763 | 0.1875 | 3/16" | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-04.800A1- | 4.8 | 0.1890 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-04.900A1- | 4.9 | 0.1929 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.000A1- | 5 | 0.1969 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.100A1- | 5.1 | 0.2008 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.159A1- | 5.159 | 0.2031 | 13/64" | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.200A1- | 5.2 | 0.2047 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.300A1- | 5.3 | 0.2087 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.400A1- | 5.4 | 0.2126 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.500A1- | 5.5 | 0.2165 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.550A1- | 5.55 | 0.2185 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.556A1- | 5.556 | 0.2187 | 7/32" | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.600A1- | 5.6 | 0.2205 | | 74 | 121 | 83 | 36 | 6 | ☺ |
| | ★ DD170-12-05.700A1- | 5.7 | 0.2244 | | 74 | 121 | 83 | 36 | 6 | ☺ |

Ordering example for the grade WJ30EY: DD170-12-03.000A1-WJ30EY

WALTER SELECT

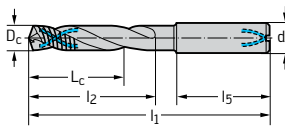
●● Primary application ● Other application

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

| Tool | Designation | D _c m7 mm | D _c m7 in | D _c inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|----------------------|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>DIN 6535 HA</p> | ★ DD170-12-05.800A1- | 5.8 | 0.2283 | | 74 | 121 | 83 | 36 | 6 | ☹ |
| | ★ DD170-12-05.900A1- | 5.9 | 0.2323 | | 74 | 121 | 83 | 36 | 6 | ☹ |
| | ★ DD170-12-06.000A1- | 6 | 0.2362 | | 74 | 121 | 83 | 36 | 6 | ☹ |
| | ★ DD170-12-06.100A1- | 6.1 | 0.2402 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-06.200A1- | 6.2 | 0.2441 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-06.300A1- | 6.3 | 0.2480 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-06.350A1- | 6.350 | 0.2500 | 1/4" | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-06.400A1- | 6.4 | 0.2520 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-06.500A1- | 6.5 | 0.2559 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-06.600A1- | 6.6 | 0.2598 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-06.747A1- | 6.747 | 0.2656 | 17/64" | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-06.800A1- | 6.8 | 0.2677 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-06.900A1- | 6.9 | 0.2717 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.000A1- | 7 | 0.2756 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.100A1- | 7.1 | 0.2795 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.144A1- | 7.144 | 0.2813 | 9/32" | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.300A1- | 7.3 | 0.2874 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.400A1- | 7.4 | 0.2913 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.500A1- | 7.5 | 0.2953 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.541A1- | 7.541 | 0.2969 | 19/64" | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.800A1- | 7.8 | 0.3071 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.900A1- | 7.9 | 0.3110 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-07.938A1- | 7.938 | 0.3125 | 5/16" | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-08.000A1- | 8 | 0.3150 | | 98 | 148 | 110 | 36 | 8 | ☹ |
| | ★ DD170-12-08.100A1- | 8.1 | 0.3189 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-08.200A1- | 8.2 | 0.3228 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-08.300A1- | 8.3 | 0.3268 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-08.400A1- | 8.4 | 0.3307 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-08.500A1- | 8.5 | 0.3346 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-08.600A1- | 8.6 | 0.3386 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-08.700A1- | 8.7 | 0.3425 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-08.731A1- | 8.731 | 0.3437 | 11/32" | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-08.800A1- | 8.8 | 0.3465 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-09.000A1- | 9 | 0.3543 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-09.128A1- | 9.128 | 0.3594 | 23/64" | 123 | 180 | 138 | 40 | 10 | ☹ |
| | ★ DD170-12-09.300A1- | 9.3 | 0.3661 | | 123 | 180 | 138 | 40 | 10 | ☹ |
| ★ DD170-12-09.500A1- | 9.5 | 0.3740 | | 123 | 180 | 138 | 40 | 10 | ☹ | |
| ★ DD170-12-09.525A1- | 9.525 | 0.3750 | 3/8" | 123 | 180 | 138 | 40 | 10 | ☹ | |
| ★ DD170-12-09.600A1- | 9.6 | 0.3780 | | 123 | 180 | 138 | 40 | 10 | ☹ | |
| ★ DD170-12-09.700A1- | 9.7 | 0.3819 | | 123 | 180 | 138 | 40 | 10 | ☹ | |
| ★ DD170-12-09.800A1- | 9.8 | 0.3858 | | 123 | 180 | 138 | 40 | 10 | ☹ | |
| ★ DD170-12-09.922A1- | 9.922 | 0.3906 | 25/64" | 123 | 180 | 138 | 40 | 10 | ☹ | |
| ★ DD170-12-10.000A1- | 10 | 0.3937 | | 123 | 180 | 138 | 40 | 10 | ☹ | |
| ★ DD170-12-10.100A1- | 10.1 | 0.3976 | | 140 | 206 | 158 | 45 | 12 | ☹ | |
| ★ DD170-12-10.200A1- | 10.2 | 0.4016 | | 140 | 206 | 158 | 45 | 12 | ☹ | |
| ★ DD170-12-10.300A1- | 10.3 | 0.4055 | | 140 | 206 | 158 | 45 | 12 | ☹ | |

Ordering example for the grade WJ30EY: DD170-12-03.000A1-WJ30EY

Tool



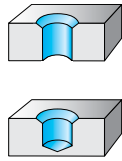
| Designation | D _c m7 mm | D _c m7 in | D _c Inch/Nr | L _c mm | l ₁ mm | l ₂ mm | l ₅ mm | d ₁ h6 mm | WJ30EY |
|----------------------|----------------------------|----------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| * DD170-12-10.319A1- | 10.319 | 0.4063 | 13/32" | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-10.400A1- | 10.4 | 0.4094 | | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-10.500A1- | 10.5 | 0.4134 | | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-11.000A1- | 11 | 0.4331 | | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-11.100A1- | 11.1 | 0.4370 | | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-11.113A1- | 11.113 | 0.4375 | 7/16" | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-11.200A1- | 11.2 | 0.4409 | | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-11.500A1- | 11.5 | 0.4528 | | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-11.509A1- | 11.509 | 0.4531 | 29/64" | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-11.700A1- | 11.7 | 0.4606 | | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-11.800A1- | 11.8 | 0.4646 | | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-11.906A1- | 11.906 | 0.4687 | 15/32" | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-12.000A1- | 12 | 0.4724 | | 140 | 206 | 158 | 45 | 12 | ☺☺ |
| * DD170-12-12.200A1- | 12.2 | 0.4803 | | 168 | 230 | 182 | 45 | 14 | ☺☺ |
| * DD170-12-12.303A1- | 12.303 | 0.4844 | 31/64" | 168 | 230 | 182 | 45 | 14 | ☺☺ |
| * DD170-12-12.500A1- | 12.5 | 0.4921 | | 168 | 230 | 182 | 45 | 14 | ☺☺ |
| * DD170-12-12.600A1- | 12.6 | 0.4961 | | 168 | 230 | 182 | 45 | 14 | ☺☺ |
| * DD170-12-12.700A1- | 12.700 | 0.5000 | 1/2" | 168 | 230 | 182 | 45 | 14 | ☺☺ |
| * DD170-12-13.000A1- | 13 | 0.5118 | | 168 | 230 | 182 | 45 | 14 | ☺☺ |
| * DD170-12-13.494A1- | 13.494 | 0.5313 | 17/32" | 168 | 230 | 182 | 45 | 14 | ☺☺ |
| * DD170-12-13.500A1- | 13.5 | 0.5315 | | 168 | 230 | 182 | 45 | 14 | ☺☺ |
| * DD170-12-14.000A1- | 14 | 0.5512 | | 168 | 230 | 182 | 45 | 14 | ☺☺ |
| * DD170-12-14.288A1- | 14.288 | 0.5625 | 9/16" | 192 | 260 | 208 | 48 | 16 | ☺☺ |
| * DD170-12-14.500A1- | 14.5 | 0.5709 | | 192 | 260 | 208 | 48 | 16 | ☺☺ |
| * DD170-12-15.000A1- | 15 | 0.5906 | | 192 | 260 | 208 | 48 | 16 | ☺☺ |
| * DD170-12-15.500A1- | 15.5 | 0.6102 | | 192 | 260 | 208 | 48 | 16 | ☺☺ |
| * DD170-12-15.875A1- | 15.875 | 0.6250 | 5/8" | 192 | 260 | 208 | 48 | 16 | ☺☺ |
| * DD170-12-16.000A1- | 16 | 0.6299 | | 192 | 260 | 208 | 48 | 16 | ☺☺ |
| * DD170-12-16.500A1- | 16.5 | 0.6496 | | 216 | 285 | 234 | 48 | 18 | ☺☺ |
| * DD170-12-17.000A1- | 17 | 0.6693 | | 216 | 285 | 234 | 48 | 18 | ☺☺ |
| * DD170-12-17.500A1- | 17.5 | 0.6890 | | 216 | 285 | 234 | 48 | 18 | ☺☺ |
| * DD170-12-18.000A1- | 18 | 0.7087 | | 216 | 285 | 234 | 48 | 18 | ☺☺ |
| * DD170-12-19.000A1- | 19 | 0.7480 | | 238 | 310 | 258 | 50 | 20 | ☺☺ |
| * DD170-12-19.500A1- | 19.5 | 0.7677 | | 238 | 310 | 258 | 50 | 20 | ☺☺ |
| * DD170-12-20.000A1- | 20 | 0.7874 | | 238 | 310 | 258 | 50 | 20 | ☺☺ |

Ordering example for the grade WJ30EY: DD170-12-03.000A1-WJ30EY

Drilling/chamfering tools

B1

Machining



Drilling depth



Designation

D4580
Xtra-tec®

Effective cutting edges

2

Diameter range

[mm]

4–16

[inch]

0.157–0.630

P Steel



M Stainless steel



K Cast iron



N NF metals



S Materials with difficult cutting properties



H Hard materials

O Other

Indexable insert types



VC .

Number of cutting edges

2

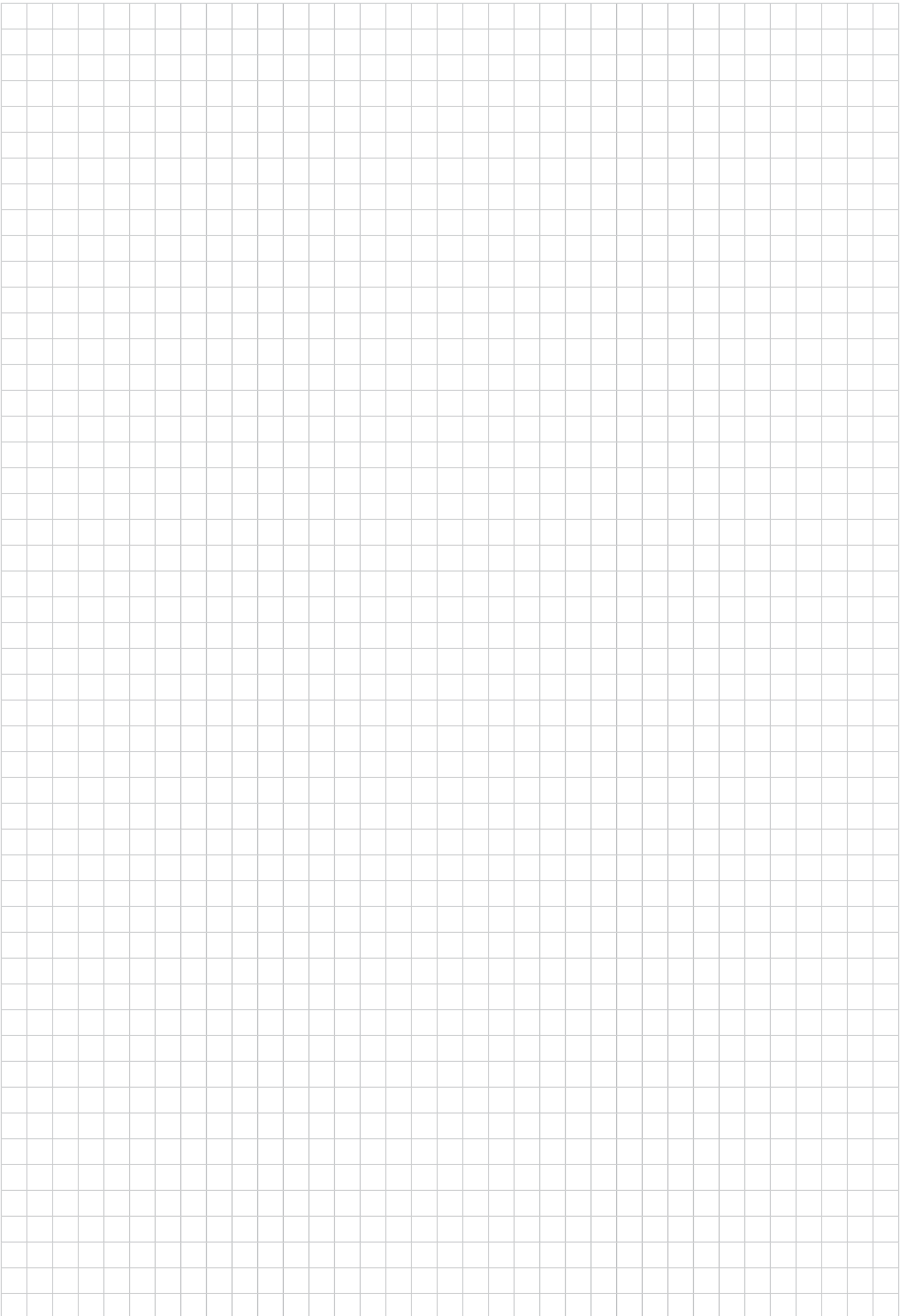
Page in catalog

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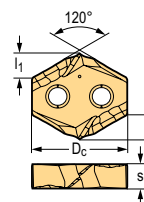
www.walter-tools.com/woc/

D4580





B1

Double-sided exchangeable tip DS42



Removable discs

B1

| Designation | Number of cutting edges | D _c mm | D _c in | s mm | s in | l ₁ mm | l ₁ in | P | K |
|-----------------------------------------------------------------------------------------------------|-------------------------|-------------------|-------------------|------|-------|-------------------|-------------------|-------|-------|
| | | | | | | | | HC | HC |
| | | | | | | | | WPP25 | WPP25 |
|  DS42-12.00A-F58 | 4 | 12 | 0.472 | 3 | 0.118 | 3.33 | 0.131 | ☺ | ☺ |
| DS42-12.50A-F58 | 4 | 12.5 | 0.492 | 3 | 0.118 | 3.48 | 0.137 | ☺ | ☺ |
| DS42-12.70A-F58 | 4 | 12.7 | 0.500 | 3 | 0.118 | 3.64 | 0.143 | ☺ | ☺ |
| DS42-13.00B-F58 | 4 | 13 | 0.512 | 3 | 0.118 | 3.62 | 0.143 | ☺ | ☺ |
| DS42-13.50B-F58 | 4 | 13.5 | 0.531 | 3 | 0.118 | 3.77 | 0.148 | ☺ | ☺ |
| DS42-13.70B-F58 | 4 | 13.7 | 0.539 | 3 | 0.118 | 3.83 | 0.151 | ☺ | ☺ |
| DS42-14.00C-F58 | 4 | 14 | 0.551 | 3.5 | 0.138 | 3.85 | 0.152 | ☺ | ☺ |
| DS42-14.50C-F58 | 4 | 14.5 | 0.571 | 3.5 | 0.138 | 4 | 0.157 | ☺ | ☺ |
| DS42-14.70C-F58 | 4 | 14.7 | 0.579 | 3.5 | 0.138 | 4.06 | 0.160 | ☺ | ☺ |
| DS42-15.00D-F58 | 4 | 15 | 0.591 | 3.5 | 0.138 | 4.15 | 0.163 | ☺ | ☺ |
| DS42-15.50D-F58 | 4 | 15.5 | 0.610 | 3.5 | 0.138 | 4.3 | 0.169 | ☺ | ☺ |
| DS42-15.70D-F58 | 4 | 15.7 | 0.618 | 3.5 | 0.138 | 4.35 | 0.171 | ☺ | ☺ |
| DS42-15.88D-F58 | 4 | 15.88 | 0.625 | 3.5 | 0.138 | 4.41 | 0.174 | ☺ | ☺ |
| DS42-16.00E-F58 | 4 | 16 | 0.630 | 4 | 0.157 | 4.43 | 0.174 | ☺ | ☺ |
| DS42-16.50E-F58 | 4 | 16.5 | 0.650 | 4 | 0.157 | 4.58 | 0.180 | ☺ | ☺ |
| DS42-16.70E-F58 | 4 | 16.7 | 0.657 | 4 | 0.157 | 4.64 | 0.183 | ☺ | ☺ |
| DS42-17.00F-F58 | 4 | 17 | 0.669 | 4 | 0.157 | 4.73 | 0.186 | ☺ | ☺ |
| DS42-17.50F-F58 | 4 | 17.5 | 0.689 | 4 | 0.157 | 4.88 | 0.192 | ☺ | ☺ |
| DS42-17.70F-F58 | 4 | 17.7 | 0.697 | 4 | 0.157 | 4.94 | 0.194 | ☺ | ☺ |
| DS42-18.00G-F58 | 4 | 18 | 0.709 | 4.5 | 0.177 | 5.04 | 0.198 | ☺ | ☺ |
| DS42-18.50G-F58 | 4 | 18.5 | 0.728 | 4.5 | 0.177 | 5.19 | 0.204 | ☺ | ☺ |
| DS42-18.70G-F58 | 4 | 18.7 | 0.736 | 4.5 | 0.177 | 5.25 | 0.207 | ☺ | ☺ |
| DS42-19.00H-F58 | 4 | 19 | 0.748 | 4.5 | 0.177 | 5.34 | 0.210 | ☺ | ☺ |
| DS42-19.05H-F58 | 4 | 19.05 | 0.750 | 4.5 | 0.177 | 5.36 | 0.211 | ☺ | ☺ |
| DS42-19.50H-F58 | 4 | 19.5 | 0.768 | 4.5 | 0.177 | 5.49 | 0.216 | ☺ | ☺ |
| DS42-19.70H-F58 | 4 | 19.7 | 0.776 | 4.5 | 0.177 | 5.55 | 0.219 | ☺ | ☺ |
| DS42-20.00J-F58 | 4 | 20 | 0.787 | 5 | 0.197 | 5.35 | 0.211 | ☺ | ☺ |
| DS42-20.50J-F58 | 4 | 20.5 | 0.807 | 5 | 0.197 | 5.5 | 0.217 | ☺ | ☺ |
| DS42-20.70J-F58 | 4 | 20.7 | 0.815 | 5 | 0.197 | 5.56 | 0.219 | ☺ | ☺ |
| DS42-21.00K-F58 | 4 | 21 | 0.827 | 5 | 0.197 | 5.65 | 0.222 | ☺ | ☺ |
| DS42-21.50K-F58 | 4 | 21.5 | 0.846 | 5 | 0.197 | 5.8 | 0.228 | ☺ | ☺ |
| DS42-21.70K-F58 | 4 | 21.7 | 0.854 | 5 | 0.197 | 5.86 | 0.231 | ☺ | ☺ |
| DS42-22.00L-F58 | 4 | 22 | 0.866 | 5.5 | 0.217 | 5.83 | 0.230 | ☺ | ☺ |
| DS42-22.23L-F58 | 4 | 22.23 | 0.875 | 5.5 | 0.217 | 5.9 | 0.232 | ☺ | ☺ |
| DS42-22.50L-F58 | 4 | 22.5 | 0.886 | 5.5 | 0.217 | 5.98 | 0.235 | ☺ | ☺ |
| DS42-22.70L-F58 | 4 | 22.7 | 0.894 | 5.5 | 0.217 | 6.04 | 0.238 | ☺ | ☺ |
| DS42-23.00M-F58 | 4 | 23 | 0.906 | 5.5 | 0.217 | 6.13 | 0.241 | ☺ | ☺ |
| DS42-23.50M-F58 | 4 | 23.5 | 0.925 | 5.5 | 0.217 | 6.28 | 0.247 | ☺ | ☺ |
| DS42-23.70M-F58 | 4 | 23.7 | 0.933 | 5.5 | 0.217 | 6.34 | 0.250 | ☺ | ☺ |
| DS42-24.00N-F58 | 4 | 24 | 0.945 | 6 | 0.236 | 6.26 | 0.246 | ☺ | ☺ |
| DS42-24.50N-F58 | 4 | 24.5 | 0.965 | 6 | 0.236 | 6.42 | 0.253 | ☺ | ☺ |
| DS42-24.70N-F58 | 4 | 24.7 | 0.972 | 6 | 0.236 | 6.48 | 0.255 | ☺ | ☺ |
| DS42-25.00P-F58 | 4 | 25 | 0.984 | 6 | 0.236 | 6.57 | 0.259 | ☺ | ☺ |
|  DS42-25.25P-F58 | 4 | 25.25 | 0.994 | 6 | 0.236 | 6.64 | 0.261 | ☺ | ☺ |
| DS42-25.40P-F58 | 4 | 25.4 | 1.000 | 6 | 0.236 | 6.69 | 0.263 | ☺ | ☺ |
| DS42-25.50P-F58 | 4 | 25.5 | 1.004 | 6 | 0.236 | 6.72 | 0.265 | ☺ | ☺ |
| DS42-25.70P-F58 | 4 | 25.7 | 1.012 | 6 | 0.236 | 6.78 | 0.267 | ☺ | ☺ |

Ordering example for the grade WPP25: DS42-12.00A-F58 WPP25

HC = Coated carbide

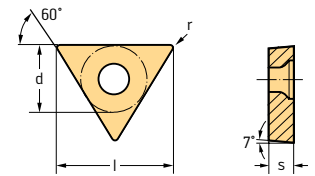
WALTER SELECT

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

Turning Insert – Positive triangular 60°

TCMT

Tiger-tec® Gold



Indexable inserts

| Designation | Designation | l mm | l in | r mm | r in | P | | | M | | | K | | S | | |
|-------------|---------------------|----------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | HC | | | HE | | | HC | | HC | | |
| | | | | | | WKP01G | WPP10G | WPP20G | WMP20S | WEP10C | WSM10S | WMP20S | WSM20S | WKP01G | WSM10S | WSM20S |
| | TCMT1.2(1.2)0.5-FP4 | TCMT06T102-FP4 | 6.87 | 0.2705 | 0.2 | 0.0079 | | | ☹ | | | | | | | |
| | TCMT1.2(1.2)1-FP4 | TCMT06T104-FP4 | 6.87 | 0.2705 | 0.4 | 0.0157 | | | ☹ | | | | | | | |
| | TCMT1.8(1.5)0.5-FP4 | TCMT090202-FP4 | 9.62 | 0.3787 | 0.2 | 0.0079 | | | ☹ | | | | | | | |
| | TCMT1.8(1.5)1-FP4 | TCMT090204-FP4 | 9.62 | 0.3787 | 0.4 | 0.0157 | ☹ | ☹ | ☹ | ☹ | | | | ☹ | | |
| | TCMT1.8(1.5)2-FP4 | TCMT090208-FP4 | 9.62 | 0.3787 | 0.8 | 0.0315 | | | ☹ | | | | | | | |
| | TCMT2(1.5)0.5-FP4 | TCMT110202-FP4 | 11 | 0.4331 | 0.2 | 0.0079 | | | ☹ | | | | | | | |
| | TCMT2(1.5)1-FP4 | TCMT110204-FP4 | 11 | 0.4331 | 0.4 | 0.0157 | ☹ | ☹ | ☹ | ☹ | | | | ☹ | | |
| | TCMT2(1.5)2-FP4 | TCMT110208-FP4 | 11 | 0.4331 | 0.8 | 0.0315 | | | ☹ | | | | | | | |
| | TCMT221-FP4 | TCMT110304-FP4 | 11 | 0.4331 | 0.4 | 0.0157 | | ☹ | ☹ | | | | | | | |
| | TCMT222-FP4 | TCMT110308-FP4 | 11 | 0.4331 | 0.8 | 0.0315 | | ☹ | ☹ | | | | | | | |
| | TCMT3(2.5)0.5-FP4 | TCMT16T302-FP4 | 16.5 | 0.6496 | 0.2 | 0.0079 | | | ☹ | | | | | | | |
| | TCMT3(2.5)1-FP4 | TCMT16T304-FP4 | 16.5 | 0.6496 | 0.4 | 0.0157 | ☹ | ☹ | ☹ | | | | | ☹ | | |
| | TCMT3(2.5)2-FP4 | TCMT16T308-FP4 | 16.5 | 0.6496 | 0.8 | 0.0315 | | | ☹ | | | | | | | |
| | TCMT1.8(1.5)1-MM4 | TCMT090204-MM4 | 9.62 | 0.3787 | 0.4 | 0.0157 | | | | | ☹ | | | ☹ | ☹ | |
| | TCMT1.8(1.5)2-MM4 | TCMT090208-MM4 | 9.62 | 0.3787 | 0.8 | 0.0315 | | | | | ☹ | | | ☹ | ☹ | |
| | TCMT2(1.5)1-MM4 | TCMT110204-MM4 | 11 | 0.4331 | 0.4 | 0.0157 | | | | | ☹ | | | ☹ | ☹ | |
| | TCMT2(1.5)2-MM4 | TCMT110208-MM4 | 11 | 0.4331 | 0.8 | 0.0315 | | | | | ☹ | | | ☹ | ☹ | |
| | TCMT3(2.5)1-MM4 | TCMT16T304-MM4 | 16.5 | 0.6496 | 0.4 | 0.0157 | | | ☹ | | ☹ | ☹ | | ☹ | ☹ | |
| | TCMT3(2.5)2-MM4 | TCMT16T308-MM4 | 16.5 | 0.6496 | 0.8 | 0.0315 | | | ☹ | | ☹ | ☹ | | ☹ | ☹ | |
| | TCMT432-MM4 | TCMT220408-MM4 | 22 | 0.8661 | 0.8 | 0.0315 | | | | | | ☹ | | | ☹ | |
| | TCMT1.8(1.5)1-MP4 | TCMT090204-MP4 | 9.62 | 0.3787 | 0.4 | 0.0157 | | | ☹ | | | | | | | |
| | TCMT1.8(1.5)2-MP4 | TCMT090208-MP4 | 9.62 | 0.3787 | 0.8 | 0.0315 | | | ☹ | | | | | | | |
| | TCMT2(1.5)1-MP4 | TCMT110204-MP4 | 11 | 0.4331 | 0.4 | 0.0157 | | | ☹ | ☹ | | | | | | |
| | TCMT2(1.5)2-MP4 | TCMT110208-MP4 | 11 | 0.4331 | 0.8 | 0.0315 | | | ☹ | ☹ | | | | | | |
| | TCMT221-MP4 | TCMT110304-MP4 | 11 | 0.4331 | 0.4 | 0.0157 | | | ☹ | ☹ | | | | | | |
| | TCMT222-MP4 | TCMT110308-MP4 | 11 | 0.4331 | 0.8 | 0.0315 | | | ☹ | ☹ | | | | | | |
| | TCMT3(2.5)1-MP4 | TCMT16T304-MP4 | 16.5 | 0.6496 | 0.4 | 0.0157 | | | ☹ | | | | | | | |
| | TCMT3(2.5)2-MP4 | TCMT16T308-MP4 | 16.5 | 0.6496 | 0.8 | 0.0315 | | | ☹ | | | | | | | |
| | TCMT432-MP4 | TCMT220408-MP4 | 22 | 0.8661 | 0.8 | 0.0315 | | | ☹ | | | | | | | |

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

HC = Coated carbide
 HE = Coated cermet

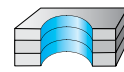
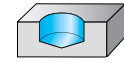
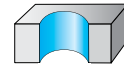
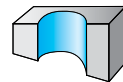
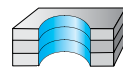
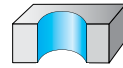
WALTER SELECT Optimum indexable insert for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

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

Indexable insert drills

B1

Machining



Drilling depth

 2.5 x D_C

 3 x D_C

 5 x D_C

 1.3 x D_C

 3 x D_C

NEW

NEW



Designation

 D4240
Drion-tec®

 D5142
Drion-tec® D-Spade

 D5142
Drion-tec® D-Spade

 D4140
Drion-tec®

 D4140
Drion-tec®

Effective cutting edges

2

2

2

2

2

Diameter range

[mm]

12–29

12–25.99

12–25.99

12–25.99

[inch]

0.472–1.023

0.472–1.023

0.472–1.22

P Steel

●●

●●

●●

●●

●●

M Stainless steel

●●

●●

●●

●●

●●

K Cast iron

●●

●

●

●●

●●

N NF metals

●●

●●

●●

●●

●●

S Materials with difficult cutting properties

●●

●●

●●

●●

●●

H Hard materials

O Other

Indexable insert types



P600



DS42



P600

Number of cutting edges

1

2

2

1

1

Page in catalog

198

202

QR code


www.walter-tools.com/woc/

D4240

D5142

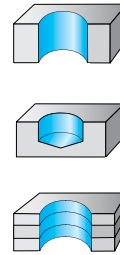
D5142

D4140

D4140

Indexable insert drills

Machining



| | | | | | |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Drilling depth | 3 x D _C | 5 x D _C | 5 x D _C | 7 x D _C | 7 x D _C |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|



| | | | | | |
|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Designation | D4140 Drion-tec® | D4140 Drion-tec® | D4140 Drion-tec® | D4140 Drion-tec® | D4140 Drion-tec® |
|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|

| | | | | | |
|-------------------------|---|---|---|---|---|
| Effective cutting edges | 2 | 2 | 2 | 2 | 2 |
|-------------------------|---|---|---|---|---|

| | | | | | |
|----------------|-------------|------------|-------------|------------|-------------|
| Diameter range | | | | | |
| [mm] | 12–37.99 | 12–31.99 | 12–37.99 | 12–31.99 | 12–37.99 |
| [inch] | 0.472–1.496 | 0.472–1.22 | 0.472–1.496 | 0.472–1.22 | 0.472–1.496 |

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

Indexable insert types



P600 .

| | | | | | |
|-------------------------|---|---|---|---|---|
| Number of cutting edges | 1 | 1 | 1 | 1 | 1 |
|-------------------------|---|---|---|---|---|

Page in catalog

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D4140

D4140

D4140

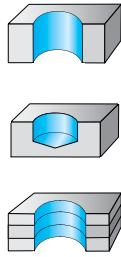
D4140

D4140

Indexable insert drills

B1

Machining



Drilling depth

10 x D_C



Designation

D4140
Drion-tec®

Effective cutting edges

2

Diameter range

[mm]

12–25.99

[inch]

0.472–1.023

P Steel



M Stainless steel



K Cast iron



N NF metals



S Materials with difficult cutting properties



H Hard materials

O Other

Indexable insert types



P600 .

Number of cutting edges

1

Page in catalog

QR code

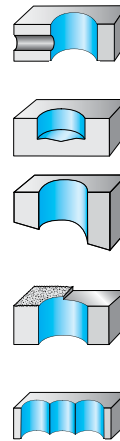


www.walter-tools.com/woc/

D4140

Indexable insert drills

Machining



| | | | | | |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Drilling depth | 3 x D _C | 2 x D _C | 3 x D _C | 4 x D _C | 5 x D _C |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|



| | | | | | |
|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Designation | D4170 Drion-tec® | D4120 Drion-tec® | D4120 Drion-tec® | D4120 Drion-tec® | D4120 Drion-tec® |
|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|

| | | | | | |
|-------------------------|---|---|---|---|---|
| Effective cutting edges | 1 | 1 | 1 | 1 | 1 |
|-------------------------|---|---|---|---|---|

Diameter range

| | | | | | |
|--------|-------|-------------|-------------|-------------|-------------|
| [mm] | 65–80 | 13.5–59 | 13.5–59 | 16.5–59 | 16.5–59 |
| [inch] | | 0.531–2.250 | 0.531–2.250 | 0.656–2.250 | 0.656–2.250 |

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

Indexable insert types



P484 .C



P484 .P

| | | | | | |
|-------------------------|---|---|---|---|---|
| Number of cutting edges | 4 | 4 | 4 | 4 | 4 |
|-------------------------|---|---|---|---|---|

Page in catalog

QR code



www.walter-tools.com/woc/

D4170

D4120

D4120

D4120

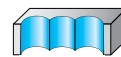
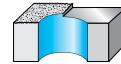
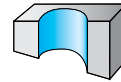
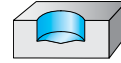
D4120

B1

Indexable insert drills

B1

Machining



| | | | | | |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Drilling depth | 2 x D _C | 3 x D _C | 4 x D _C | 2 x D _C | 2 x D _C |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|



| | | | | | |
|-------------|---------------------|---------------------|---------------------|-------|-------|
| Designation | D3120 Drion-tec® | D3120 Drion-tec® | D3120 Drion-tec® | B3212 | B3212 |
|-------------|---------------------|---------------------|---------------------|-------|-------|

| | | | | | |
|-------------------------|---|---|---|---|---|
| Effective cutting edges | 1 | 1 | 1 | 1 | 1 |
|-------------------------|---|---|---|---|---|

| | | | | | |
|----------------|-------|-------------|-------------|-------|-------------|
| Diameter range | | | | | |
| [mm] | 16-42 | 16-58 | 16-42 | 10-18 | |
| [inch] | | 0.750-1.500 | 0.750-1.500 | | 0.391-0.625 |

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

Indexable insert types



P284.S



LC

| | | | | | |
|-------------------------|---|---|---|--|--|
| Number of cutting edges | 4 | 4 | 4 | | |
|-------------------------|---|---|---|--|--|

Page in catalog

QR code


www.walter-tools.com/woc/

D3120

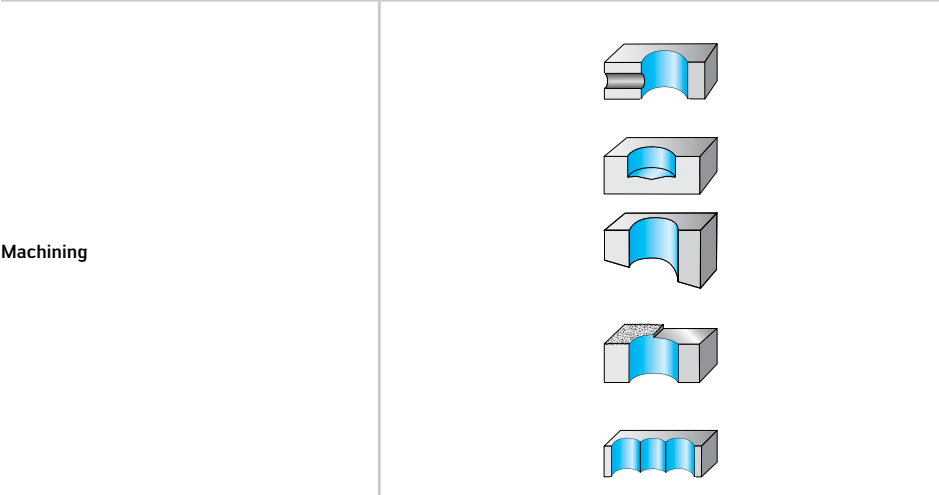
D3120

D3120

B3212

B3212

Indexable insert drills



| | | | |
|----------------|--------------------|--------------------|--------------------|
| Drilling depth | 3 x D _C | 3 x D _C | 4 x D _C |
|----------------|--------------------|--------------------|--------------------|



| | | | |
|-------------|-------|-------|-------|
| Designation | B3213 | B3213 | B3214 |
|-------------|-------|-------|-------|

| | | | |
|-------------------------|---|---|---|
| Effective cutting edges | 1 | 1 | 1 |
|-------------------------|---|---|---|

| | | | |
|----------------|-------|------------|-------|
| Diameter range | | | |
| [mm] | 10-18 | | 10-18 |
| [inch] | | 0.391-0.64 | |

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

Indexable insert types



LC

| | | | |
|-------------------------|--|--|--|
| Number of cutting edges | | | |
|-------------------------|--|--|--|

Page in catalog

QR code



| | | | |
|--------------------------------------------------------------------------|-------|-------|-------|
| www.walter-tools.com/woc/ | B3213 | B3213 | B3214 |
|--------------------------------------------------------------------------|-------|-------|-------|

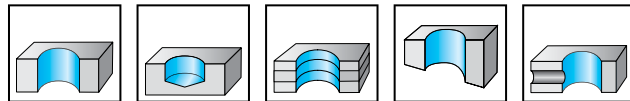
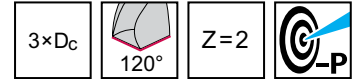
Double-sided exchangeable-tip drills

D5142

Drion-tec® D-Spade



- Double-sided exchangeable tip
- Precision cooling



| | | | | | | |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | | | | |

B1

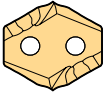
| Tool | Designation | D _c min mm | D _c max mm | L _c mm | l ₄ mm | l ₅ mm | d ₁ mm | d ₄ mm | kg | Number of WSP | Type |
|------------------------------------|-----------------------|--------------------------|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|------------------|--------------|
| <p>Cylindrical shank with flat</p> | ★ D5142-03-12.00F16-A | 12 | 12.99 | 40 | 67.9 | 48 | 16 | 20 | 0.12 | 1 | DS42-A-12... |
| | ★ D5142-03-13.00F16-B | 13 | 13.99 | 43 | 70.9 | 48 | 16 | 20 | 0.12 | 1 | DS42-B-13... |
| | ★ D5142-03-14.00F16-C | 14 | 14.99 | 43 | 72.7 | 48 | 16 | 20 | 0.13 | 1 | DS42-C-14... |
| | ★ D5142-03-15.00F16-D | 15 | 15.99 | 50 | 79.3 | 48 | 16 | 20 | 0.14 | 1 | DS42-D-15... |
| | ★ D5142-03-16.00F20-E | 16 | 16.99 | 53 | 84.5 | 50 | 20 | 25 | 0.21 | 1 | DS42-E-16... |
| | ★ D5142-03-17.00F20-F | 17 | 17.99 | 60 | 89.5 | 50 | 20 | 25 | 0.22 | 1 | DS42-F-17... |
| | ★ D5142-03-18.00F20-G | 18 | 18.99 | 62 | 93.3 | 50 | 20 | 25 | 0.23 | 1 | DS42-G-18... |
| | ★ D5142-03-19.00F20-H | 19 | 19.99 | 62 | 94.5 | 50 | 20 | 25 | 0.24 | 1 | DS42-H-19... |
| | ★ D5142-03-20.00F20-J | 20 | 20.99 | 64 | 99.2 | 50 | 20 | 25 | 0.25 | 1 | DS42-I-20... |
| | ★ D5142-03-21.00F20-K | 21 | 21.99 | 65 | 104.2 | 50 | 20 | 25 | 0.27 | 1 | DS42-J-21... |
| | ★ D5142-03-22.00F25-L | 22 | 22.99 | 73 | 111.7 | 56 | 25 | 32 | 0.42 | 1 | DS42-K-22... |
| | ★ D5142-03-23.00F25-M | 23 | 23.99 | 73 | 113.3 | 56 | 25 | 32 | 0.44 | 1 | DS42-L-23... |
| | ★ D5142-03-24.00F25-N | 24 | 24.99 | 73 | 118.3 | 56 | 25 | 32 | 0.56 | 1 | DS42-M-24... |
| | ★ D5142-03-25.00F25-P | 25 | 25.99 | 73 | 122.3 | 56 | 25 | 32 | 0.6 | 1 | DS42-N-25... |

Bodies and assembly parts are included in the scope of delivery

| Assembly parts | | D _c min [mm] | 12-15 | 16-19 | 20-21 | 22-23 | 24-25 |
|----------------|------------------------------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|------------------------|------------------------|
| | Clamping screw for drill insert Tightening torque | | FS2148 (T6IP) 0.6 Nm | FS1454 (T8IP) 1.2 Nm | FS2079 (T9IP) 2 Nm | FS2063 (T15IP) 3 Nm | FS2119 (T15IP) 3 Nm |

| Accessories | | D _c min [mm] | 12-15 | 16-19 | 20-21 | 22-25 |
|-------------|------------------------------|-------------------------|---------------|---------------|---------------|----------------|
| | Torque screwdriver, analogue | | FS2001 | FS2001 | FS2003 | FS2003 |
| | Torque screwdriver, digital | | | FS2248 | FS2248 | FS2248 |
| | Interchangeable blade | | FS2085 (T6IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) |
| | Screwdriver | | FS2086 (T6IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) |

Removable discs

| Designation | D _c mm | D _c in | P | K |
|---------------------------------------------------------------------------------------------------|----------------------|----------------------|-------|-------|
| | | | HC | HC |
| | | | WPP25 | WPP25 |
|  DS42-12.00A-F58 | 12 | 0.472 | ☺ | ☺ |
| DS42-12.50A-F58 | 12.5 | 0.492 | ☺ | ☺ |
| DS42-12.70A-F58 | 12.7 | 0.500 | ☺ | ☺ |
| DS42-13.00B-F58 | 13 | 0.512 | ☺ | ☺ |
| DS42-13.50B-F58 | 13.5 | 0.531 | ☺ | ☺ |
| DS42-13.70B-F58 | 13.7 | 0.539 | ☺ | ☺ |
| DS42-14.00C-F58 | 14 | 0.551 | ☺ | ☺ |
| DS42-14.50C-F58 | 14.5 | 0.571 | ☺ | ☺ |
| DS42-14.70C-F58 | 14.7 | 0.579 | ☺ | ☺ |
| DS42-15.00D-F58 | 15 | 0.591 | ☺ | ☺ |
| DS42-15.50D-F58 | 15.5 | 0.610 | ☺ | ☺ |
| DS42-15.70D-F58 | 15.7 | 0.618 | ☺ | ☺ |
| DS42-15.88D-F58 | 15.9 | 0.626 | ☺ | ☺ |
| DS42-16.00E-F58 | 16 | 0.630 | ☺ | ☺ |
| DS42-16.50E-F58 | 16.5 | 0.650 | ☺ | ☺ |
| DS42-16.70E-F58 | 16.7 | 0.657 | ☺ | ☺ |
| DS42-17.00F-F58 | 17 | 0.669 | ☺ | ☺ |
| DS42-17.50F-F58 | 17.5 | 0.689 | ☺ | ☺ |
| DS42-17.70F-F58 | 17.7 | 0.697 | ☺ | ☺ |
| DS42-18.00G-F58 | 18 | 0.709 | ☺ | ☺ |
| DS42-18.50G-F58 | 18.5 | 0.728 | ☺ | ☺ |
| DS42-18.70G-F58 | 18.7 | 0.736 | ☺ | ☺ |
| DS42-19.00H-F58 | 19 | 0.748 | ☺ | ☺ |
| DS42-19.05H-F58 | 19.1 | 0.752 | ☺ | ☺ |
| DS42-19.50H-F58 | 19.5 | 0.768 | ☺ | ☺ |
| DS42-19.70H-F58 | 19.7 | 0.776 | ☺ | ☺ |
| DS42-20.00J-F58 | 20 | 0.787 | ☺ | ☺ |
| DS42-20.50J-F58 | 20.5 | 0.807 | ☺ | ☺ |
| DS42-20.70J-F58 | 20.7 | 0.815 | ☺ | ☺ |
| DS42-21.00K-F58 | 21 | 0.827 | ☺ | ☺ |
| DS42-21.50K-F58 | 21.5 | 0.846 | ☺ | ☺ |
| DS42-21.70K-F58 | 21.7 | 0.854 | ☺ | ☺ |
| DS42-22.00L-F58 | 22 | 0.866 | ☺ | ☺ |
| DS42-22.23L-F58 | 22.2 | 0.874 | ☺ | ☺ |
| DS42-22.50L-F58 | 22.5 | 0.886 | ☺ | ☺ |
| DS42-22.70L-F58 | 22.7 | 0.894 | ☺ | ☺ |
| DS42-23.00M-F58 | 23 | 0.906 | ☺ | ☺ |
| DS42-23.50M-F58 | 23.5 | 0.925 | ☺ | ☺ |
| DS42-23.70M-F58 | 23.7 | 0.933 | ☺ | ☺ |
| DS42-24.00N-F58 | 24 | 0.945 | ☺ | ☺ |
| DS42-24.50N-F58 | 24.5 | 0.965 | ☺ | ☺ |
| DS42-24.70N-F58 | 24.7 | 0.972 | ☺ | ☺ |
| DS42-25.00P-F58 | 25 | 0.984 | ☺ | ☺ |
| DS42-25.25P-F58 | 25.2 | 0.992 | ☺ | ☺ |
| DS42-25.40P-F58 | 25.4 | 1.000 | ☺ | ☺ |
| DS42-25.50P-F58 | 25.5 | 1.004 | ☺ | ☺ |
| DS42-25.70P-F58 | 25.7 | 1.012 | ☺ | ☺ |

HC = Coated carbide

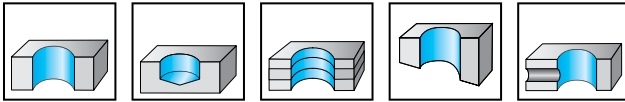
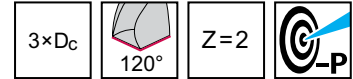
Double-sided exchangeable-tip drills

D5142 inch

Drion-tec® D-Spade



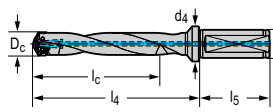
- Double-sided exchangeable tip
- Precision cooling



| | | | | | | |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | ● | ● | ● | ● |

D5142

Tool



Cylindrical shank with flat

Designation

| Designation | D _c min inch | D _c max inch | L _c inch | l ₄ inch | l ₅ inch | d ₁ inch | d ₄ inch | lbs | Number of WSP | Type |
|-----------------------|----------------------------|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------|------------------|--------------|
| ★ D5142.03-12.00F15-A | 0.472 | 0.511 | 1.575 | 2.673 | 1.890 | 0.625 | 0.787 | 0.251 | 1 | DS42-A-12... |
| ★ D5142.03-15.00F15-D | 0.591 | 0.630 | 1.969 | 3.122 | 1.890 | 0.625 | 0.787 | 0.302 | 1 | DS42-D-15... |
| ★ D5142.03-19.00F19-H | 0.748 | 0.787 | 2.441 | 3.72 | 2.031 | 0.750 | 0.984 | 0.516 | 1 | DS42-H-19... |
| ★ D5142.03-22.00F26-L | 0.866 | 0.905 | 2.874 | 4.398 | 2.281 | 1.000 | 1.260 | 0.95 | 1 | DS42-K-22... |
| ★ D5142.03-25.00F26-P | 0.984 | 1.023 | 2.520 | 4.815 | 2.281 | 1.000 | 1.260 | 0.280 | 1 | DS42-N-25... |

Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | D _{c min} [inch] | 0.472–0.591 | 0.748 | 0.866 | 0.984 |
|--|------------------------------------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
| | Clamping screw for drill insert Tightening torque | FS2148 (T6IP) 0.443 lbs | FS1454 (T8IP) 0.885 lbs | FS2063 (T15IP) 2.213 lbs | FS2119 (T15IP) 2.213 lbs |

Accessories

| | D _{c min} [inch] | 0.472–0.591 | 0.748 | 0.866–0.984 |
|--|------------------------------|---------------|---------------|----------------|
| | Torque screwdriver, analogue | FS2002 | FS2002 | FS2004 |
| | Torque screwdriver, digital | | FS2248 | FS2248 |
| | Interchangeable blade | FS2085 (T6IP) | FS2012 (T8IP) | FS2014 (T15IP) |
| | Screwdriver | FS2086 (T6IP) | FS1483 (T8IP) | FS1485 (T15IP) |

Removable discs

| Designation | D _c mm | D _c inch | P | K |
|-----------------|----------------------|------------------------|-------|-------|
| | | | HC | HC |
| | | | WPP25 | WPP25 |
| DS42-12.00A-F58 | 12 | 0.472 | ☺ | ☺ |
| DS42-12.50A-F58 | 12.5 | 0.492 | ☺ | ☺ |
| DS42-12.70A-F58 | 12.7 | 0.500 | ☺ | ☺ |
| DS42-15.00D-F58 | 15 | 0.591 | ☺ | ☺ |
| DS42-15.50D-F58 | 15.5 | 0.610 | ☺ | ☺ |
| DS42-15.70D-F58 | 15.7 | 0.618 | ☺ | ☺ |
| DS42-15.88D-F58 | 15.9 | 0.626 | ☺ | ☺ |
| DS42-19.00H-F58 | 19 | 0.748 | ☺ | ☺ |
| DS42-19.05H-F58 | 19.1 | 0.752 | ☺ | ☺ |
| DS42-19.50H-F58 | 19.5 | 0.768 | ☺ | ☺ |
| DS42-19.70H-F58 | 19.7 | 0.776 | ☺ | ☺ |
| DS42-22.00L-F58 | 22 | 0.866 | ☺ | ☺ |
| DS42-22.23L-F58 | 22.2 | 0.874 | ☺ | ☺ |
| DS42-22.50L-F58 | 22.5 | 0.886 | ☺ | ☺ |
| DS42-22.70L-F58 | 22.7 | 0.894 | ☺ | ☺ |
| DS42-25.00P-F58 | 25 | 0.984 | ☺ | ☺ |
| DS42-25.25P-F58 | 25.2 | 0.992 | ☺ | ☺ |
| DS42-25.40P-F58 | 25.4 | 1.000 | ☺ | ☺ |
| DS42-25.50P-F58 | 25.5 | 1.004 | ☺ | ☺ |
| DS42-25.70P-F58 | 25.7 | 1.012 | ☺ | ☺ |

HC = Coated carbide

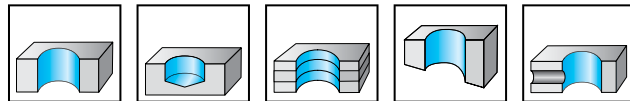
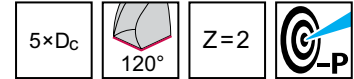
Double-sided exchangeable-tip drills

D5142

Drion-tec® D-Spade



- Double-sided exchangeable tip
- Precision cooling



| | | | | | | |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | ● | ● | ● | ● |

B1

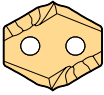
| Tool | Designation | D _c min mm | D _c max mm | L _c mm | l ₄ mm | l ₅ mm | d ₁ mm | d ₄ mm | kg | Number of WSP | Type |
|------------------------------------|-----------------------|--------------------------|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|------------------|--------------|
| <p>Cylindrical shank with flat</p> | ★ D5142-05-12.00F16-A | 12 | 12.99 | 64 | 91.9 | 48 | 16 | 20 | 0.13 | 1 | DS42-A-12... |
| | ★ D5142-05-13.00F16-B | 13 | 13.99 | 70 | 96.9 | 48 | 16 | 20 | 0.14 | 1 | DS42-B-13... |
| | ★ D5142-05-14.00F16-C | 14 | 14.99 | 72 | 100.7 | 48 | 16 | 20 | 0.15 | 1 | DS42-C-14... |
| | ★ D5142-05-15.00F16-D | 15 | 15.99 | 80 | 109.3 | 48 | 16 | 20 | 0.16 | 1 | DS42-D-15... |
| | ★ D5142-05-16.00F20-E | 16 | 16.99 | 85 | 116.5 | 50 | 20 | 25 | 0.23 | 1 | DS42-E-16... |
| | ★ D5142-05-17.00F20-F | 17 | 17.99 | 90 | 123.5 | 50 | 20 | 25 | 0.25 | 1 | DS42-F-17... |
| | ★ D5142-05-18.00F20-G | 18 | 18.99 | 97 | 129.3 | 50 | 20 | 25 | 0.27 | 1 | DS42-G-18... |
| | ★ D5142-05-19.00F20-H | 19 | 19.99 | 100 | 132.5 | 50 | 20 | 25 | 0.29 | 1 | DS42-H-19... |
| | ★ D5142-05-20.00F20-J | 20 | 20.99 | 105 | 139.2 | 50 | 20 | 25 | 0.31 | 1 | DS42-I-20... |
| | ★ D5142-05-21.00F20-K | 21 | 21.99 | 111 | 146.2 | 50 | 20 | 25 | 0.33 | 1 | DS42-J-21... |
| | ★ D5142-05-22.00F25-L | 22 | 22.99 | 116 | 155.7 | 56 | 25 | 32 | 0.5 | 1 | DS42-K-22... |
| | ★ D5142-05-23.00F25-M | 23 | 23.99 | 116 | 159.3 | 56 | 25 | 32 | 0.52 | 1 | DS42-L-23... |
| | ★ D5142-05-24.00F25-N | 24 | 24.99 | 116 | 166.3 | 56 | 25 | 32 | 0.55 | 1 | DS42-M-24... |
| | ★ D5142-05-25.00F25-P | 25 | 25.99 | 132 | 172.3 | 56 | 25 | 32 | 0.59 | 1 | DS42-N-25... |

Bodies and assembly parts are included in the scope of delivery

| Assembly parts | | D _c min [mm] | 12-15 | 16-19 | 20-21 | 22-23 | 24-25 |
|----------------|------------------------------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|------------------------|------------------------|
| | Clamping screw for drill insert Tightening torque | | FS2148 (T6IP) 0.6 Nm | FS1454 (T8IP) 1.2 Nm | FS2079 (T9IP) 2 Nm | FS2063 (T15IP) 3 Nm | FS2119 (T15IP) 3 Nm |

| Accessories | | D _c min [mm] | 12-15 | 16-19 | 20-21 | 22-25 |
|-------------|------------------------------|-------------------------|---------------|---------------|---------------|----------------|
| | Torque screwdriver, analogue | | FS2001 | FS2001 | FS2003 | FS2003 |
| | Torque screwdriver, digital | | | FS2248 | FS2248 | FS2248 |
| | Interchangeable blade | | FS2085 (T6IP) | FS2012 (T8IP) | FS2013 (T9IP) | FS2014 (T15IP) |
| | Screwdriver | | FS2086 (T6IP) | FS1483 (T8IP) | FS1484 (T9IP) | FS1485 (T15IP) |

Removable discs

| Designation | D _c mm | D _c inch | P | K |
|---------------------------------------------------------------------------------------------------|----------------------|------------------------|-------|-------|
| | | | HC | HC |
| | | | WPP25 | WPP25 |
|  DS42-12.00A-F58 | 12 | 0.472 | ☺ | ☺ |
| DS42-12.50A-F58 | 12.5 | 0.492 | ☺ | ☺ |
| DS42-12.70A-F58 | 12.7 | 0.500 | ☺ | ☺ |
| DS42-13.00B-F58 | 13 | 0.512 | ☺ | ☺ |
| DS42-13.50B-F58 | 13.5 | 0.531 | ☺ | ☺ |
| DS42-13.70B-F58 | 13.7 | 0.539 | ☺ | ☺ |
| DS42-14.00C-F58 | 14 | 0.551 | ☺ | ☺ |
| DS42-14.50C-F58 | 14.5 | 0.571 | ☺ | ☺ |
| DS42-14.70C-F58 | 14.7 | 0.579 | ☺ | ☺ |
| DS42-15.00D-F58 | 15 | 0.591 | ☺ | ☺ |
| DS42-15.50D-F58 | 15.5 | 0.610 | ☺ | ☺ |
| DS42-15.70D-F58 | 15.7 | 0.618 | ☺ | ☺ |
| DS42-15.88D-F58 | 15.9 | 0.626 | ☺ | ☺ |
| DS42-16.00E-F58 | 16 | 0.630 | ☺ | ☺ |
| DS42-16.50E-F58 | 16.5 | 0.650 | ☺ | ☺ |
| DS42-16.70E-F58 | 16.7 | 0.657 | ☺ | ☺ |
| DS42-17.00F-F58 | 17 | 0.669 | ☺ | ☺ |
| DS42-17.50F-F58 | 17.5 | 0.689 | ☺ | ☺ |
| DS42-17.70F-F58 | 17.7 | 0.697 | ☺ | ☺ |
| DS42-18.00G-F58 | 18 | 0.709 | ☺ | ☺ |
| DS42-18.50G-F58 | 18.5 | 0.728 | ☺ | ☺ |
| DS42-18.70G-F58 | 18.7 | 0.736 | ☺ | ☺ |
| DS42-19.00H-F58 | 19 | 0.748 | ☺ | ☺ |
| DS42-19.05H-F58 | 19.1 | 0.752 | ☺ | ☺ |
| DS42-19.50H-F58 | 19.5 | 0.768 | ☺ | ☺ |
| DS42-19.70H-F58 | 19.7 | 0.776 | ☺ | ☺ |
| DS42-20.00J-F58 | 20 | 0.787 | ☺ | ☺ |
| DS42-20.50J-F58 | 20.5 | 0.807 | ☺ | ☺ |
| DS42-20.70J-F58 | 20.7 | 0.815 | ☺ | ☺ |
| DS42-21.00K-F58 | 21 | 0.827 | ☺ | ☺ |
| DS42-21.50K-F58 | 21.5 | 0.846 | ☺ | ☺ |
| DS42-21.70K-F58 | 21.7 | 0.854 | ☺ | ☺ |
| DS42-22.00L-F58 | 22 | 0.866 | ☺ | ☺ |
| DS42-22.23L-F58 | 22.2 | 0.874 | ☺ | ☺ |
| DS42-22.50L-F58 | 22.5 | 0.886 | ☺ | ☺ |
| DS42-22.70L-F58 | 22.7 | 0.894 | ☺ | ☺ |
| DS42-23.00M-F58 | 23 | 0.906 | ☺ | ☺ |
| DS42-23.50M-F58 | 23.5 | 0.925 | ☺ | ☺ |
| DS42-23.70M-F58 | 23.7 | 0.933 | ☺ | ☺ |
| DS42-24.00N-F58 | 24 | 0.945 | ☺ | ☺ |
| DS42-24.50N-F58 | 24.5 | 0.965 | ☺ | ☺ |
| DS42-24.70N-F58 | 24.7 | 0.972 | ☺ | ☺ |
| DS42-25.00P-F58 | 25 | 0.984 | ☺ | ☺ |
| DS42-25.25P-F58 | 25.2 | 0.992 | ☺ | ☺ |
| DS42-25.40P-F58 | 25.4 | 1.000 | ☺ | ☺ |
| DS42-25.50P-F58 | 25.5 | 1.004 | ☺ | ☺ |
| DS42-25.70P-F58 | 25.7 | 1.012 | ☺ | ☺ |

HC = Coated carbide

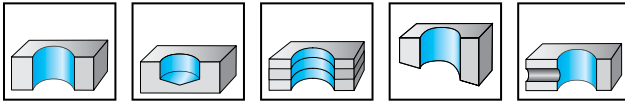
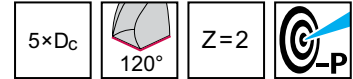
Double-sided exchangeable-tip drills

D5142 inch

Drion-tec® D-Spade



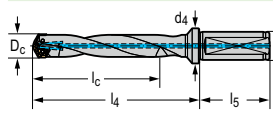
- Double-sided exchangeable tip
- Precision cooling



| | | | | | | |
|----|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ●● | | ● | | | | |

D5142

Tool



Cylindrical shank with flat

Designation

D_c min
inch

D_c max
inch

L_c
inch

l_4
inch

l_5
inch

d_1
inch

d_4
inch



Number of
WSP

Type

| | | | | | | | | | | |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|---|--------------|
| ★ D5142.05-12.00F15-A | 0.472 | 0.511 | 2.520 | 3.618 | 1.890 | 0.625 | 0.787 | 0.278 | 1 | DS42-A-12... |
| ★ D5142.05-15.00F15-D | 0.591 | 0.630 | 3.150 | 4.303 | 1.890 | 0.625 | 0.787 | 0.351 | 1 | DS42-D-15... |
| ★ D5142.05-19.00F19-H | 0.748 | 0.787 | 3.937 | 5.217 | 2.031 | 0.750 | 0.984 | 0.615 | 1 | DS42-H-19... |
| ★ D5142.05-22.00F26-L | 0.866 | 0.905 | 4.567 | 6.130 | 2.281 | 1.000 | 1.260 | 1.116 | 1 | DS42-K-22... |
| ★ D5142.05-25.00F26-P | 0.984 | 1.023 | 5.079 | 6.783 | 2.281 | 1.000 | 1.260 | 1.318 | 1 | DS42-N-25... |

Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | D _{c min} [inch] | 0.472–0.591 | 0.748 | 0.866 | 0.984 |
|--|------------------------------------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
| | Clamping screw for drill insert Tightening torque | FS2148 (T6IP) 0.443 lbs | FS1454 (T8IP) 0.885 lbs | FS2063 (T15IP) 2.213 lbs | FS2119 (T15IP) 2.213 lbs |

Accessories

| | D _{c min} [inch] | 0.472–0.591 | 0.748 | 0.866–0.984 |
|--|------------------------------|---------------|---------------|----------------|
| | Torque screwdriver, analogue | FS2002 | FS2002 | FS2004 |
| | Torque screwdriver, digital | | FS2248 | FS2248 |
| | Interchangeable blade | FS2085 (T6IP) | FS2012 (T8IP) | FS2014 (T15IP) |
| | Screwdriver | FS2086 (T6IP) | FS1483 (T8IP) | FS1485 (T15IP) |

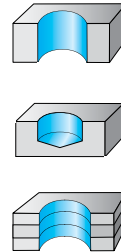
Removable discs

| Designation | D _c mm | D _c inch | P | K |
|-----------------|----------------------|------------------------|-------|-------|
| | | | HC | HC |
| | | | WPP25 | WPP25 |
| DS42-12.00A-F58 | 12 | 0.472 | ☺ | ☺ |
| DS42-12.50A-F58 | 12.5 | 0.492 | ☺ | ☺ |
| DS42-12.70A-F58 | 12.7 | 0.500 | ☺ | ☺ |
| DS42-15.00D-F58 | 15 | 0.591 | ☺ | ☺ |
| DS42-15.50D-F58 | 15.5 | 0.610 | ☺ | ☺ |
| DS42-15.70D-F58 | 15.7 | 0.618 | ☺ | ☺ |
| DS42-15.88D-F58 | 15.9 | 0.626 | ☺ | ☺ |
| DS42-19.00H-F58 | 19 | 0.748 | ☺ | ☺ |
| DS42-19.05H-F58 | 19.1 | 0.752 | ☺ | ☺ |
| DS42-19.50H-F58 | 19.5 | 0.768 | ☺ | ☺ |
| DS42-19.70H-F58 | 19.7 | 0.776 | ☺ | ☺ |
| DS42-22.00L-F58 | 22 | 0.866 | ☺ | ☺ |
| DS42-22.23L-F58 | 22.2 | 0.874 | ☺ | ☺ |
| DS42-22.50L-F58 | 22.5 | 0.886 | ☺ | ☺ |
| DS42-22.70L-F58 | 22.7 | 0.894 | ☺ | ☺ |
| DS42-25.00P-F58 | 25 | 0.984 | ☺ | ☺ |
| DS42-25.25P-F58 | 25.2 | 0.992 | ☺ | ☺ |
| DS42-25.40P-F58 | 25.4 | 1.000 | ☺ | ☺ |
| DS42-25.50P-F58 | 25.5 | 1.004 | ☺ | ☺ |
| DS42-25.70P-F58 | 25.7 | 1.012 | ☺ | ☺ |

HC = Coated carbide

HSS drilling tools

B1



| | | |
|----------------|--------------------|--------------------|
| Drilling depth | 3 x D _C | 5 x D _C |
|----------------|--------------------|--------------------|



| Designation | A1154TFT VA Inox | A1149XPL UFL® | A1148 UFL® | A3153 | A3143 |
|------------------------------------------------------|---------------------|--------------------|--------------------|---------------------------|----------------------------|
| Additional services | | | | | |
| Standard | DIN 1897 | DIN 1897 | DIN 1897 | DIN 1899 | DIN 1899 |
| Coating / grade | TFT | XPL | uncoated | uncoated | uncoated |
| Shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | 0.079–0.630 [2–16] | 0.039–0.787 [1–20] | 0.039–0.787 [1–20] | 0.006–0.055 [0.15–1.4] | 0.002–0.057 [0.05–1.45] |
| P Steel | ● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ● | ● |
| K Cast iron | | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ● | ● | ●● | ●● | ●● |
| H Hard materials | | | | | |
| O Other | ● | ● | ● | ● | ● |

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A1154TFT

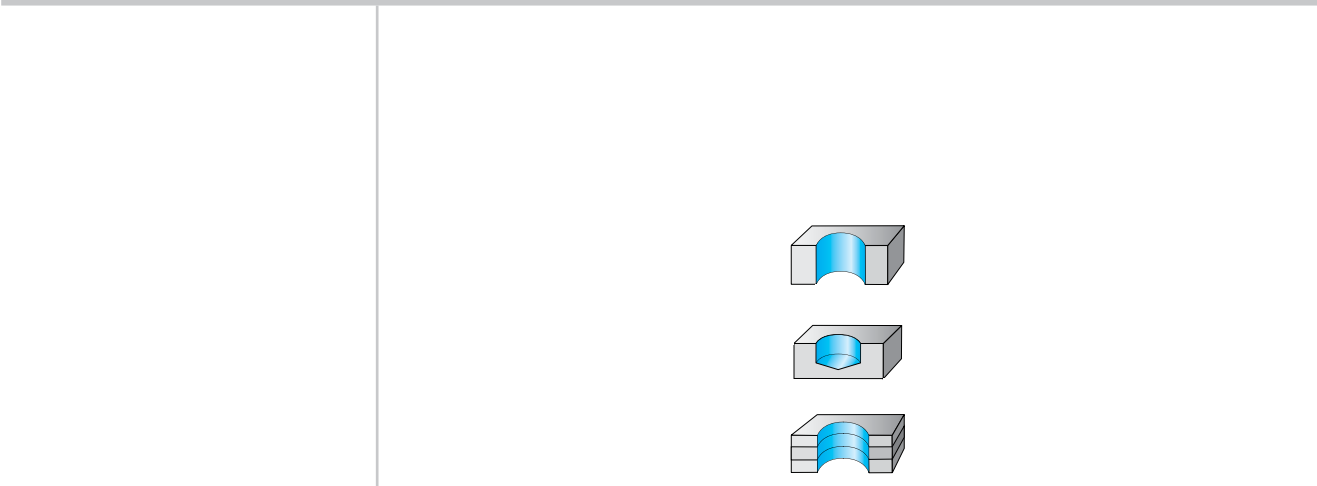
A1149XPL

A1148

A3153

A3143

HSS drilling tools



Drilling depth $8 \times D_C$



| | | | | | |
|-------------|---------------------|------------------|---------------|-------------|-------|
| Designation | A1254TFT VA Inox | A1249XPL UFL® | A1222 UFL® | A1244 VA | Z3515 |
|-------------|---------------------|------------------|---------------|-------------|-------|

| | | | | | |
|---------------------|--|--|--|--|--|
| Additional services | | | | | |
|---------------------|--|--|--|--|--|

| | | | | | |
|----------|---------|---------|---------|---------|---------|
| Standard | DIN 338 | DIN 338 | DIN 338 | DIN 338 | DIN 338 |
|----------|---------|---------|---------|---------|---------|

| | | | | | |
|-----------------|-----|-----|----------|----------|--|
| Coating / grade | TFT | XPL | uncoated | uncoated | |
|-----------------|-----|-----|----------|----------|--|

| | | | | | |
|-------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
|-------|-------------------|-------------------|-------------------|-------------------|-------------------|

| | | | | | |
|--------------------------|--------------------|--------------------|--------------------|----------------------|---|
| Diameter range inch [mm] | 0.118–0.630 [3–16] | 0.039–0.787 [1–20] | 0.039–0.630 [1–16] | 0.012–0.591 [0.3–15] | – |
|--------------------------|--------------------|--------------------|--------------------|----------------------|---|

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

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www.walter-tools.com/woc/

A1254TFT

A1249XPL

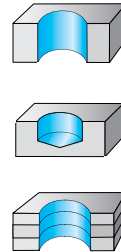
A1222

A1244

Z3515

HSS drilling tools

B1



Drilling depth

8 x D_C



Designation

Z3516

A4244
VA

A1247
Alpha® XE

A4247
Alpha® XE

DA110
Perform

Additional services

Standard

DIN 345

DIN 338

DIN 345

DIN 338

Coating / grade

uncoated

uncoated

uncoated

WZ90AJ

Shank

Cylindrical shank

Morse taper

Cylindrical shank

Morse taper

Cylindrical shank

Diameter range inch [mm]

–

0.394–1.260 [10–32]

0.039–0.630 [1–16]

0.394–1.575 [10–40]

0.039–0.630 [1–16]

P Steel

●

●

●●

●●

●●

M Stainless steel

●●

●●

●●

●●

●

K Cast iron

●●

●●

●●

●●

●●

N NF metals

●

●

●●

●●

●

S Materials with difficult cutting properties

●●

●●

●●

●●

●●

H Hard materials

●●

●●

●●

●●

●●

O Other

●●

●●

●

●

●

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Z3516

A4244

A1247

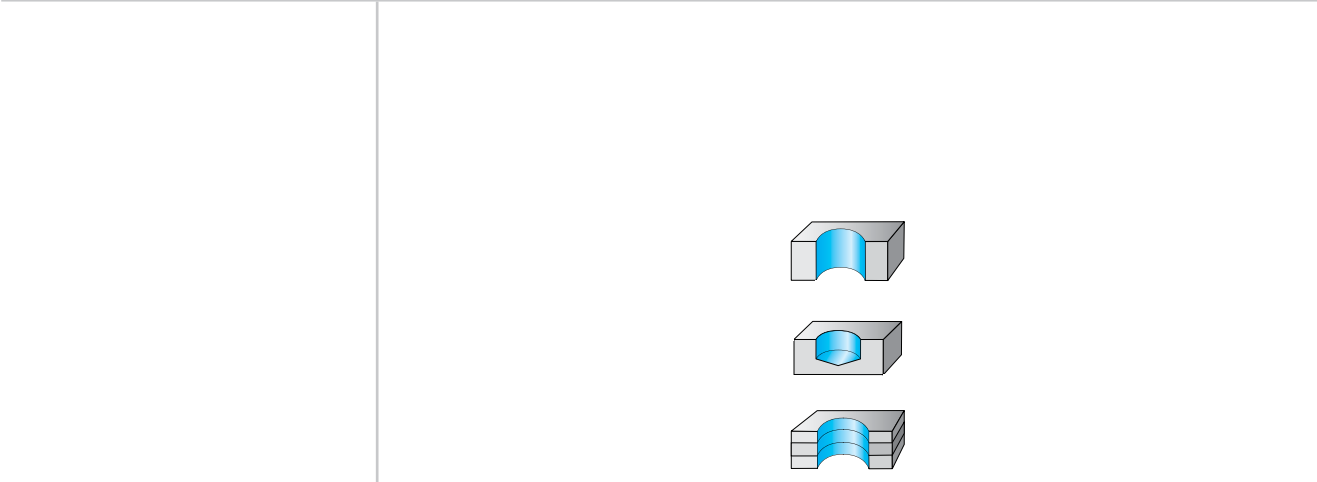
A4247

DA110

WALTER SELECT

●● Primary application ● Other application

HSS drilling tools



Drilling depth $8 \times D_C$



| | | | | | |
|--------------------|---------------|----------|-------|----------|-------|
| Designation | DA110 Perform | A1211TIN | A1211 | Z3219TIN | Z3218 |
|--------------------|---------------|----------|-------|----------|-------|

Additional services

| | | | | | |
|-----------------|---------|---------|---------|---------|---------|
| Standard | DIN 338 | DIN 338 | DIN 338 | DIN 338 | DIN 338 |
|-----------------|---------|---------|---------|---------|---------|

| | | | | | |
|------------------------|--|-----|----------|--|--|
| Coating / grade | | TIN | uncoated | | |
|------------------------|--|-----|----------|--|--|

| | | | | | |
|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|

| | | | | | |
|---------------------------------|---|----------------------|----------------------|---|---|
| Diameter range inch [mm] | - | 0.020-0.630 [0.5-16] | 0.008-0.866 [0.2-22] | - | - |
|---------------------------------|---|----------------------|----------------------|---|---|

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

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www.walter-tools.com/woc/

DA110

A1211TIN

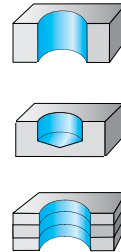
A1211

Z3219TIN

Z3218

HSS drilling tools

B1



| | | | | | |
|----------------|--|--|--|--|---------------------|
| Drilling depth | | | | | 12 x D _C |
|----------------|--|--|--|--|---------------------|



| | | | | | |
|------------------------------------------------------|-------------------|-------------------|-------------------|--------------------|------------------------|
| Designation | Z3219 | Z3213 | Z3216 | A1549TFP UFL® | A1522 UFL® |
| Additional services | | | | | |
| Standard | DIN 338 | DIN 338 | DIN 338 | DIN 340 | DIN 340 |
| Coating / grade | | | | TFP | uncoated |
| Shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | - | - | - | 0.039-0.472 [1-12] | 0.039-0.875 [1-22.225] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ● | ● | ● | ●● | ● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ● | ● | ● | ●● | ●● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | ● | ● | ● | ● | ● |

| | | | | | |
|-----------------|--|--|--|--|--|
| Page in catalog | | | | | |
| QR code | | | | | |

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|---------------------------|-------|-------|-------|----------|-------|
| www.walter-tools.com/woc/ | Z3219 | Z3213 | Z3216 | A1549TFP | A1522 |
|---------------------------|-------|-------|-------|----------|-------|

HSS drilling tools

| | | |
|----------------|---------------------|---------------------|
| | | |
| Drilling depth | 12 x D _C | 16 x D _C |



| | | | | | |
|------------------------------------------------------|---------------------|--------------------|----------------------|----------------------|----------------------|
| Designation | A4422 UFL® | A1544 VA | A1547 Alpha® XE | A1511 | A1622 UFL® |
| Additional services | | | | | |
| Standard | DIN 341 | DIN 340 | DIN 340 | DIN 340 | DIN 1869 I |
| Coating / grade | uncoated | uncoated | uncoated | uncoated | uncoated |
| Shank | Morse taper | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | 0.394–1.221 [10–31] | 0.039–0.472 [1–12] | 0.039–0.500 [1–12.7] | 0.020–0.866 [0.5–22] | 0.079–0.500 [2–12.7] |
| P Steel | ●● | ● | ● | ● | ●● |
| M Stainless steel | ● | ●● | ●● | ● | ● |
| K Cast iron | ●● | ●● | ●● | ● | ●● |
| N NF metals | ●● | ● | ● | ● | ●● |
| S Materials with difficult cutting properties | ● | ●● | ●● | ● | ● |
| H Hard materials | | | | | |
| O Other | ● | | ● | ● | ● |

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A4422

A1544

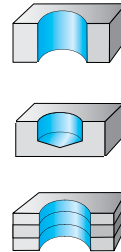
A1547

A1511

A1622

HSS drilling tools

B1



| | | | |
|----------------|---------------------|---------------------|---------------------|
| Drilling depth | 16 x D _C | 22 x D _C | 30 x D _C |
|----------------|---------------------|---------------------|---------------------|



| | | | | | |
|-----------------------------------------------|---------------------|--------------------|--------------------|--------------------|----------------------|
| Designation | A4622 UFL® | A4611 | A1722 UFL® | A4722 UFL® | A1822 UFL® |
| Additional services | | | | | |
| Standard | DIN 1870 I | DIN 1870 I | DIN 1869 II | DIN 1870 II | DIN 1869 III |
| Coating / grade | uncoated | uncoated | uncoated | uncoated | uncoated |
| Shank | Morse taper | Morse taper | Cylindrical shank | Morse taper | Cylindrical shank |
| Diameter range inch [mm] | 0.472–1.181 [12–30] | 0.315–1.575 [8–40] | 0.118–0.472 [3–12] | 0.315–1.575 [8–40] | 0.138–0.472 [3.5–12] |
| P Steel | ●● | ● | ●● | ●● | ●● |
| M Stainless steel | ● | ● | ● | ● | ● |
| K Cast iron | ●● | ● | ●● | ●● | ●● |
| N NF metals | ●● | ● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | ● | ● | ● | ● | ● |

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A4622

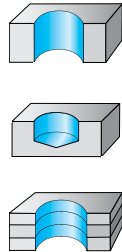
A4611

A1722

A4722

A1822

HSS drilling tools



| | | |
|----------------|---------------------|---------------------|
| Drilling depth | 60 x D _C | 85 x D _C |
|----------------|---------------------|---------------------|



| | | |
|------------------------------------------------------|--------------------|--------------------|
| Designation | A1922S UFL® | A1922L UFL® |
| Additional services | | |
| Standard | Walter | Walter |
| Coating / grade | uncoated | uncoated |
| Shank | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | 0.236–0.551 [6–14] | 0.315–0.472 [8–12] |
| P Steel | ●● | ●● |
| M Stainless steel | ● | ● |
| K Cast iron | ●● | ●● |
| N NF metals | ●● | ●● |
| S Materials with difficult cutting properties | ● | ● |
| H Hard materials | | |
| O Other | ● | ● |

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A1922S

A1922L

Solid carbide and HSS NC spot drills

| | | | | | |
|--------------------------------------------------------------------------|--------------------|--------------------|--------------------|----------------------|----------------------|
| Machining | | | | | |
| Standard | Walter | Walter | Walter | Walter | Walter |
| Countersink angle | 90° | | | 120° | |
| | | | | | |
| Designation | A1174 | A1174C | A1114 | A1114L | A1114S |
| Additional services | | | | | |
| Cutting tool material | Solid carbide | Solid carbide | HSS | HSS | HSS |
| Coating / grade | uncoated | uncoated | uncoated | uncoated | uncoated |
| Shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | 0.118-0.787 [3-20] | 0.118-0.787 [3-20] | 0.157-0.787 [4-20] | 0.157-0.500 [4-12.7] | 0.079-1.000 [2-25.4] |
| P Steel | | | ●● | ●● | ●● |
| M Stainless steel | | | ● | ● | ● |
| K Cast iron | ● | ● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | ●● | ●● | ●● | ●● | ●● |
| Page in catalog | | | | | |
| QR code | | | | | |
| www.walter-tools.com/woc/ | A1174 | A1174C | A1114 | A1114L | A1114S |

Solid carbide and HSS NC spot drills

| | | | |
|-----------|--------|--------|--------|
| Machining | | | |
| Standard | Walter | Walter | Walter |

Countersink angle 90°



| | | | |
|-------------|-------|--------|--------|
| Designation | A1115 | A1115L | A1115S |
|-------------|-------|--------|--------|

Additional services

| | | | |
|-----------------------|-----|-----|-----|
| Cutting tool material | HSS | HSS | HSS |
|-----------------------|-----|-----|-----|

Coating / grade uncoated uncoated uncoated

| | | | |
|-------|-------------------|-------------------|-------------------|
| Shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
|-------|-------------------|-------------------|-------------------|

Diameter range inch [mm] 0.157-0.787 [4-20] 0.787-1.000 [4-25.4] 0.079-1.000 [2-25.4]

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

Page in catalog

| | | | |
|---------|-------|--------|--------|
| QR code | | | |
| | A1115 | A1115L | A1115S |

www.walter-tools.com/woc/

Solid carbide and HSS center drills

Machining



Shape A A A A A

B1



| | | | | | |
|-----------------------------------------------|-----------------------|-----------------------|---------------------------|---------------------------|----------------------|
| Designation | K1161XPL | K1161 | K1911 | K1811 | K1411S |
| Standard | DIN 333-A | DIN 333-A | B.S. 328 | ANSI B94.11 | Walter |
| Cutting tool material | Solid carbide | Solid carbide | HSS | HSS | HSS |
| Coating / grade | XPL | uncoated | uncoated | uncoated | uncoated |
| Shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | 0.020–0.248 [0.5–6.3] | 0.020–0.248 [0.5–6.3] | 0.047–0.313 [1.191–7.938] | 0.025–0.313 [0.635–7.938] | 0.030–0.197 [0.75–5] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | ●● | ● | | | |
| O Other | ●● | ●● | ●● | ●● | ●● |

Page in catalog

QR code



www.walter-tools.com/woc/

K1161XPL

K1161

K1911

K1811

K1411S

Solid carbide and HSS center drills

| | | | | | |
|-----------|---|---|---|---|---|
| Machining | | | | | |
| Shape | A | A | R | A | B |






| | | | | | |
|-----------------------------------------------|----------------------|-------------------|-------------------|----------------------|--------------------|
| Designation | K1411M | K1411L | K1313 | K1311 | K1215 |
| Standard | Walter | Walter | Walter | Walter | DIN 333-B |
| Cutting tool material | HSS | HSS | HSS | HSS | HSS |
| Coating / grade | uncoated | uncoated | uncoated | uncoated | uncoated |
| Shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | 0.030–0.158 [0.75–4] | 0.079–0.158 [2–4] | 0.039–0.158 [1–4] | 0.025–0.236 [0.63–6] | 0.039–0.394 [1–10] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | | | | | |
| O Other | ●● | ●● | ●● | ●● | ●● |

| | | | | | |
|-----------------|--|--|--|--|--|
| Page in catalog | | | | | |
| QR code | | | | | |

| | | | | | |
|--------------------------------------------------------------------------|--------|--------|-------|-------|-------|
| www.walter-tools.com/woc/ | K1411M | K1411L | K1313 | K1311 | K1215 |
|--------------------------------------------------------------------------|--------|--------|-------|-------|-------|

B1

Solid carbide and HSS center drills

| | | | | | |
|-----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|---|
| Machining |  |  |  | | |
| Shape | A | R | R | R | A |

B1



| | | | | | |
|-----------------------------------------------|-----------------------|-----------------------------|-------------------|----------------------|-----------------------------|
| Designation | K1131 | K1114 | K1113TIN | K1113 | K1112 |
| Standard | DIN 333-A | DIN 333-R | DIN 333-R | DIN 333-R | DIN 333-A |
| Cutting tool material | HSS | HSS | HSS | HSS | HSS |
| Coating / grade | uncoated | uncoated | TIN | uncoated | uncoated |
| Shank | Cylindrical shank | Cylindrical shank with flat | Cylindrical shank | Cylindrical shank | Cylindrical shank with flat |
| Diameter range inch [mm] | 0.020–0.248 [0.5–6.3] | 0.079–0.197 [2–5] | 0.039–0.197 [1–5] | 0.020–0.394 [0.5–10] | 0.063–0.197 [1.6–5] |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | | | | | |
| O Other | ●● | ●● | ●● | ●● | ●● |

Page in catalog

QR code



www.walter-tools.com/woc/

K1131

K1114

K1113TIN

K1113

K1112

Solid carbide and HSS center drills

| | | |
|-----------|---|---|
| Machining | | |
| | A | A |



| | | |
|-----------------------------------------------|-------------------|------------------------|
| Designation | K1111TIN | K1111 |
| Standard | DIN 333-A | DIN 333-A |
| Cutting tool material | HSS | HSS |
| Coating / grade | TIN | uncoated |
| Shank | Cylindrical shank | Cylindrical shank |
| Diameter range inch [mm] | 0.039–0.197 [1–5] | 0.020–0.492 [0.5–12.5] |
| P Steel | ●● | ●● |
| M Stainless steel | ●● | ●● |
| K Cast iron | ●● | ●● |
| N NF metals | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● |
| H Hard materials | | |
| O Other | ●● | ●● |

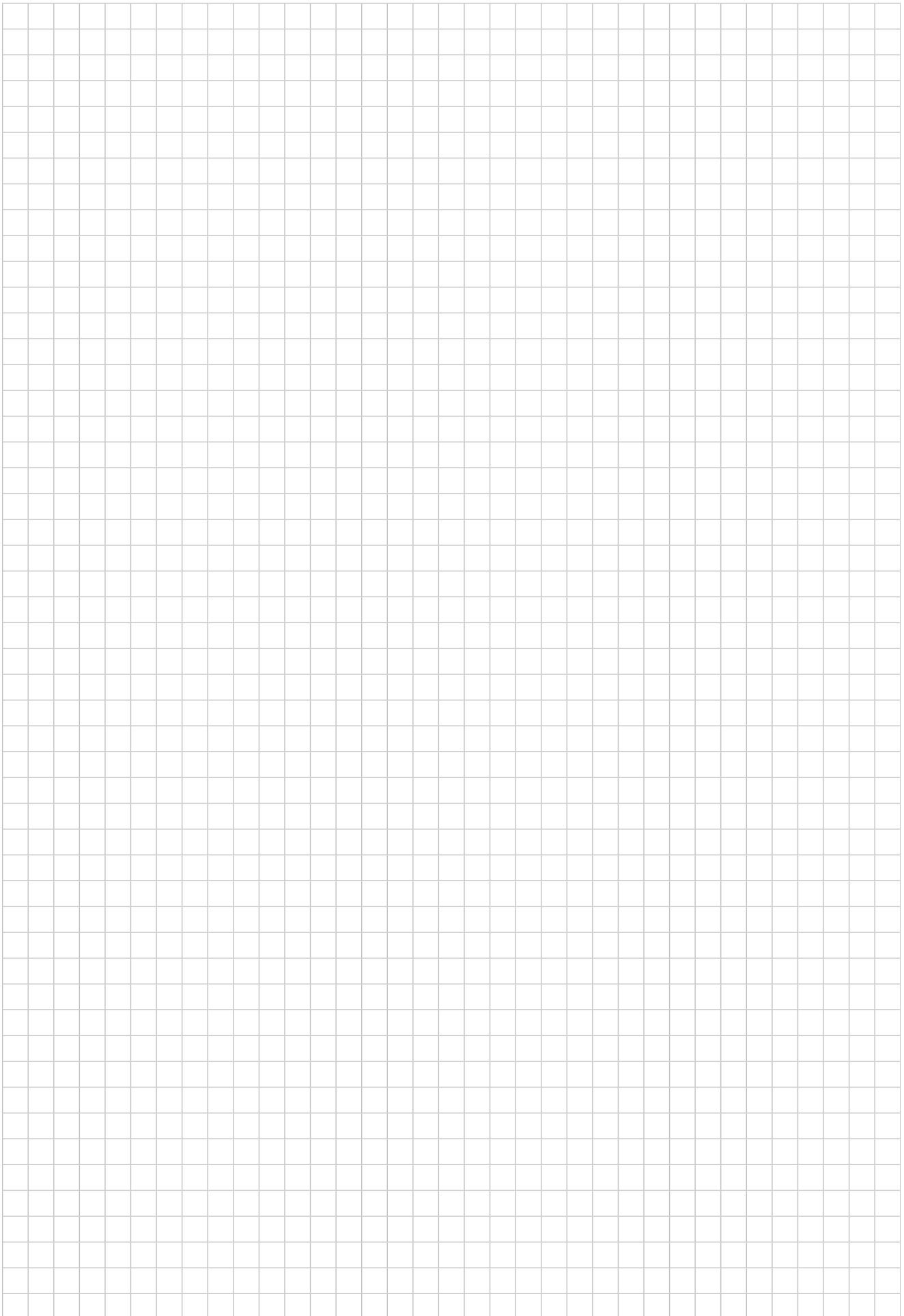
Page in catalog

| | | |
|---------|----------|-------|
| QR code | | |
| | K1111TIN | K1111 |

www.walter-tools.com/woc/

B1

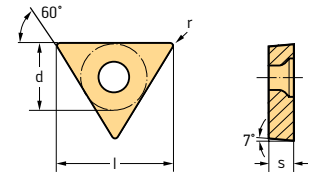
B1



Turning Insert – Positive triangular 60°

TCMT

Tiger-tec® Gold



Indexable inserts

| ANSI Designation | Designation | l mm | l in | r mm | r in | P | | | | K | |
|---------------------|----------------|---------|---------|---------|---------|--------|--------|--------|--------|--------|----|
| | | | | | | HC | | | | HE | HC |
| | | | | | | WKP01G | WPP10G | WPP20G | WEP10C | WKP01G | |
| TCGT1.2(1.2)0.5-FP4 | TCMT06T102-FP4 | 6.87 | 0.271 | 0.2 | 0.008 | | | ☺ | | | |
| TCGT1.2(1.2)1-FP4 | TCMT06T104-FP4 | 6.87 | 0.271 | 0.4 | 0.016 | | | ☺ | ☺ | | |
| TCGT1.8(1.5)0.5-FP4 | TCMT090202-FP4 | 9.62 | 0.379 | 0.2 | 0.008 | | | ☺ | | | |
| TCGT1.8(1.5)1-FP4 | TCMT090204-FP4 | 9.62 | 0.379 | 0.4 | 0.016 | ☺ | ☺ | ☺ | ☺ | | |
| TCMT1.8(1.5)2-FP4 | TCMT090208-FP4 | 9.62 | 0.379 | 0.8 | 0.032 | | | ☺ | | | |
| TCGT2(1.5)0.2-FP4 | TCMT110202-FP4 | 11 | 0.433 | 0.2 | 0.008 | | ☺ | ☺ | | | |
| TCGT2(1.5)1-FP4 | TCMT110204-FP4 | 11 | 0.433 | 0.4 | 0.016 | ☺ | ☺ | ☺ | ☺ | | |
| TCMT2(1.5)2-FP4 | TCMT110208-FP4 | 11 | 0.433 | 0.8 | 0.032 | | ☺ | ☺ | | | |
| TCMT221-FP4 | TCMT110304-FP4 | 11 | 0.433 | 0.4 | 0.016 | | ☺ | ☺ | | | |
| TCMT222-FP4 | TCMT110308-FP4 | 11 | 0.433 | 0.8 | 0.032 | | ☺ | ☺ | | | |
| TCGT3(2.5)0.5-FP4 | TCMT16T302-FP4 | 16.5 | 0.650 | 0.2 | 0.008 | | | ☺ | | | |
| TCGT3(2.5)1-FP4 | TCMT16T304-FP4 | 16.5 | 0.650 | 0.4 | 0.016 | ☺ | ☺ | ☺ | | ☺ | |
| TCGT3(2.5)2-FP4 | TCMT16T308-FP4 | 16.5 | 0.650 | 0.8 | 0.032 | | ☺ | ☺ | | | |

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

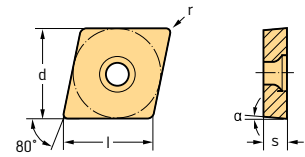
HC = Coated carbide
 HE = Coated cermet

B2

Turning Insert – Positive rhombic 80°

CCMT

Tiger-tec® Gold



Indexable inserts

| ANSI Designation | Designation | l mm | l in | r mm | r in | WPP20G | | |
|------------------|-------------------|----------------|---------|---------|---------|--------|----|--|
| | | | | | | P | HC | |
| | CCMT2(1.5)0.5-E47 | CCMT060202-E47 | 6.45 | 0.254 | 0.2 | 0.008 | | |
| | CCMT2(1.5)1-E47 | CCMT060204-E47 | 6.45 | 0.254 | 0.4 | 0.016 | | |
| | CCMT3(2.5)0.5-E47 | CCMT09T302-E47 | 9.67 | 0.381 | 0.2 | 0.008 | | |
| | CCMT3(2.5)1-E47 | CCMT09T304-E47 | 9.67 | 0.381 | 0.4 | 0.016 | | |
| | CCMT3(2.5)2-E47 | CCMT09T308-E47 | 9.67 | 0.381 | 0.8 | 0.032 | | |
| | CCMT431-E47 | CCMT120404-E47 | 12.9 | 0.508 | 0.4 | 0.016 | | |
| | CCMT432-E47 | CCMT120408-E47 | 12.9 | 0.508 | 0.8 | 0.032 | | |
| | CCMT433-E47 | CCMT120412-E47 | 12.9 | 0.508 | 1.2 | 0.047 | | |

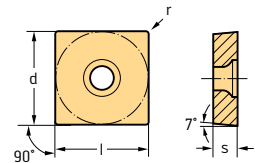
Ordering example for the grade WPP20G: CCMT060202-E47 WPP20G

HC = Coated carbide

Turning Insert – Positive square

SCMT

Tiger-tec® Gold



Indexable inserts

| ANSI Designation | Designation | l mm | l in | r mm | r in | WPP20G | | |
|------------------|-----------------|----------------|---------|---------|---------|--------|----|--|
| | | | | | | P | HC | |
| | SCMT2(1.5)1-E47 | SCMT060204-E47 | 6.35 | 0.250 | 0.4 | 0.016 | | |
| | SCMT3(2.5)1-E47 | SCMT09T304-E47 | 9.53 | 0.375 | 0.4 | 0.016 | | |
| | SCMT3(2.5)2-E47 | SCMT09T308-E47 | 9.53 | 0.375 | 0.8 | 0.032 | | |
| | SCMT432-E47 | SCMT120408-E47 | 12.7 | 0.500 | 0.8 | 0.032 | | |

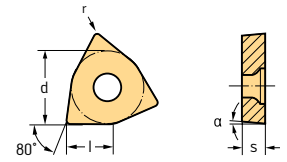
Ordering example for the grade WPP20G: SCMT060204-E47 WPP20G

HC = Coated carbide

Turning Insert – Positive Trigon 80°

WCMT

Tiger-tec® Gold



Indexable inserts

| ANSI Designation | Designation | l mm | l in | r mm | r in | WPP20G | | |
|------------------|-------------------|----------------|---------|---------|---------|--------|----|--|
| | | | | | | P | HC | |
| | WCMT1.8(1.5)1-E47 | WCMT030204-E47 | 3.5 | 0.138 | 0.4 | 0.016 | | |
| | WCMT2(1.5)1-E47 | WCMT040204-E47 | 4.3 | 0.169 | 0.4 | 0.016 | | |
| | WCMT3(2.5)1-E47 | WCMT06T304-E47 | 6.5 | 0.256 | 0.4 | 0.016 | | |

Ordering example for the grade WPP20G: WCMT030204-E47 WPP20G

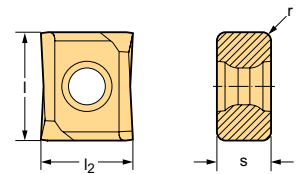
HC = Coated carbide

B 2

Tangential rhombic

P4130 / P4160

Tiger-tec® Gold



Indexable inserts

| Designation | l ₂ mm | l mm | r mm | WPP20G | |
|-------------|----------------------|---------|---------|--------|----|
| | | | | P | HC |
| | P4130-4R12-E47 | 10.48 | 14 | 0.016 | |
| | P4160-2L08-E47 | 9.69 | 10 | 0.8 | |
| | P4160-2R04-E47 | 9.69 | 10 | 0.4 | |
| | P4160-2R08-E47 | 9.69 | 10 | 0.8 | |

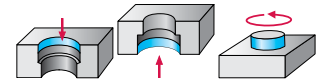
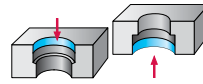
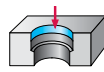
Ordering example for the grade WPP20G: P4130-4R12-E47 WPP20G

HC = Coated carbide

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

Precision boring tools

Machining



Diameter range inch

 0.039–0.787
[1–20]

 0.748–6.575
[19–167]

 5.827–25.000
[148–635]

Diameter range inch [mm]



Designation

B5110

B5115

B5120

Display

analog

analog

analog

Shank

Walter Capto™

✓

✓

✓

ScrewFit

✓

✓

NCT

✓

✓

✓

P Steel

●●

●●

●●

M Stainless steel

●●

●●

●●

K Cast iron

●●

●●

●●

N NF metals

●●

●●

●●

S Materials with difficult cutting properties

●●

●●

●●

H Hard materials

●

●

●

O Other

●

●

●

Solid carbide boring bar



Suitable insert types



Page in catalog

B 482

B 486

B 504

QR code


www.walter-tools.com/woc/

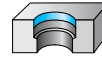
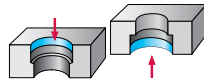
B5110

B5115

B5120

Precision boring tools

Machining



| | | | |
|--------------------------|-------------------------|-------------|--|
| Diameter range inch | 2.717–6.575 [69–167] | 0.118–4.882 | |
| Diameter range inch [mm] | | [3–124] | |



| | | | |
|-------------|--------|---------|-------|
| Designation | B5125 | B4035 | EB100 |
| Display | analog | digital | |

Shank

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

Solid carbide boring bar



Suitable insert types



| | | | |
|-----------------|-------|-------|-------|
| Page in catalog | B 494 | B 506 | B 548 |
|-----------------|-------|-------|-------|

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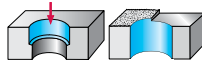


| | | | |
|---------------------------|-------|-------|-------|
| www.walter-tools.com/woc/ | B5125 | B4035 | EB100 |
|---------------------------|-------|-------|-------|

B2

Two flute boring tools

Machining



| | | | |
|--------------------------|---------------------------|---------------------------|-------------------------|
| Diameter range inch | 5.827–24.409 [148–620] | 5.827–24.409 [148–620] | 1.299–6.024 [33–153] |
| Diameter range inch [mm] | | | |



| | | | |
|-------------|----------|----------|----------|
| Designation | B5460 | B5560 | B3220 |
| Display | analogue | analogue | analogue |

Shank

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

Solid carbide boring bar

| | | | |
|-----------------------|--|--|--|
| Suitable insert types | | | |
| Page in catalog | | | |

QR code


www.walter-tools.com/woc/

B5460

B5560

B3220

Two flute boring tools

Machining



| | | |
|--------------------------|-------------|--|
| Diameter range inch | 0.787-1.299 | |
| Diameter range inch [mm] | [20-33] | |



| | | |
|-------------|----------|--|
| Designation | B3221 | |
| Display | analogue | |

Shank

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

Solid carbide boring bar

| | | |
|-----------------------|-------------------------------------------------------------------------------------|--|
| Suitable insert types |  | |
| Page in catalog | | |

QR code

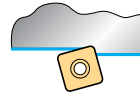


www.walter-tools.com/woc/

B3221

ISO cartridges

Machining



| Approach angle | 45° | 45° | 75° | 75° | 90° |
|---------------------------|------------|--------------|-------------------------|--------------|------------|
| | | | | | |
| Designation | PSSN...CA | SSSC-09...CA | PSKN...CA | SSKC-09...CA | PCFN...CA |
| Indexable insert types | | | | | |
| Insert size l [mm] | 12 | 9 | 9-15 | 9 | 12 |
| Insert size l [1/8 inch] | 4 | 3 | 3-5 | 3 | 4 |
| Clamping system | Lever-type | Screw | Lever-type | Screw | Lever-type |
| Adjustment accuracy [mm] | | | | | |
| D _{c min} [mm] | 50 | 40 | 40 / 50 / 60 / 70 | 40 | 50 |
| D _{c min} [inch] | 1.969 | 1.575 | 1.575/1.969/2.362/2.756 | 1.575 | 1.969 |
| Page in catalog | | | | | |

QR code


www.walter-tools.com/woc/

PSSN-CA

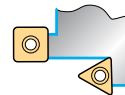
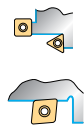
SSSC-09-CA

PSKN-CA

SSKC-09-CA

PCFN-CA

Machining



| Approach angle | 90° | 90° | 90° | 90° | 90° |
|---------------------------|------------|------------|-------------|-------------|-----------|
| | | | | | |
| Designation | PTFC...CA | PTFN...CA | SCFC...CA | STFC...CA | SWFC...CA |
| Indexable insert types | | | | | |
| Insert size l [mm] | 16 | 16 | 9-12 | 9-11 | 6 |
| Insert size l [1/8 inch] | 3 | 3 | 3-4 | 3-3.5 | 3 |
| Clamping system | Lever-type | Lever-type | Screw | Screw | Screw |
| Adjustment accuracy [mm] | | | | | |
| D _{c min} [mm] | 50 | 50 | 40 / 50 | 25 / 40 | 40 |
| D _{c min} [inch] | 1.969 | 1.969 | 1.575/1.969 | 0.984/1.575 | 1.575 |
| Page in catalog | B 592 | B 588 | B 589 | B 592 | B 594 |

QR code


www.walter-tools.com/woc/

PTFC-CA

PTFN-CA

SCFC-CA

STFC-CA

SWFC-CA

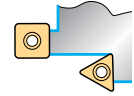
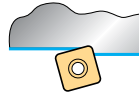
ISO cartridges

| | | | |
|--------------------------------------------------------------------------|-------------------|-------------|--------------|
| Machining | | | |
| Approach angle | 95° | 95° | 105° |
| | | | |
| Designation | PCLN...CA | SCLC...CA | SSRC-12...CA |
| Indexable insert types | | | |
| Insert size l [mm] | 12-16 | 9-12 | 9 |
| Insert size l [1/8 inch] | 4-5 | 3-4 | 3 |
| Clamping system | Lever-type | Screw | Screw |
| Adjustment accuracy [mm] | | | |
| D _{c min} [mm] | 50 / 60 / 70 | 40 / 50 | 40 |
| D _{c min} [inch] | 1.969/2.362/2.756 | 1.575/1.969 | 1.575 |
| Page in catalog | | | |
| QR code | | | |
| www.walter-tools.com/woc/ | PCLN-CA | SCLC-CA | SSRC-12-CA |

B2

Walter mini cartridges

Machining



| | | | | | |
|---------------------------|-------|-------|-----------|-------------|-------|
| Approach angle | 15° | 30° | 45° | 45° | 60° |
| | | | | | |
| Designation | FR701 | FR675 | FR/FL 673 | FR699 | FR674 |
| Indexable insert types | | | | | |
| Insert size l [mm] | | 11 | 11 | | 11 |
| Insert size l [1/8 inch] | | 3.5 | 3.5 | | 3.5 |
| Clamping system | Screw | Screw | Screw | Screw | Screw |
| Adjustment accuracy [mm] | | | | | |
| D _{c min} [mm] | 20 | 20 | 20 | 20 / 25 | 20 |
| D _{c min} [inch] | 0.787 | 0.787 | 0.787 | 0.787/0.984 | 0.787 |
| Page in catalog | | | | | |

QR code


www.walter-tools.com/woc/

FR701

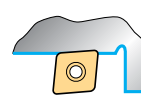
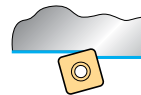
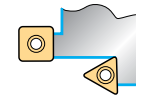
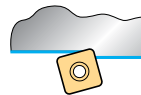
FR675

FR-FL-673

FR699

FR674

Machining



| | | | | | |
|---------------------------|-------|-----------|-------|-------------|-----------|
| Approach angle | 60° | 75° | 75° | 90° | 90° |
| | | | | | |
| Designation | FR698 | FR/FL 707 | FR697 | FR/FL 671 | FR/FL 672 |
| Indexable insert types | | | | | |
| Insert size l [mm] | | 11 | | 6 | 11 |
| Insert size l [1/8 inch] | | 3.5 | | 2 | 3.5 |
| Clamping system | Screw | Screw | Screw | Screw | Screw |
| Adjustment accuracy [mm] | | | | | |
| D _{c min} [mm] | 20 | 20 | 20 | 14,5 / 20 | 20 |
| D _{c min} [inch] | 0.787 | 0.787 | 0.787 | 0.571/0.787 | 0.787 |
| Page in catalog | | | | | |

QR code


www.walter-tools.com/woc/

FR698

FR-FL-707

FR697

FR-FL-671

FR-FL-672

Walter mini cartridges

Machining

Approach angle



Designation FR680

Indexable insert types

Insert size l [mm] 4

Insert size l [1/8 inch] 2

Clamping system Screw

Adjustment accuracy [mm]

D_{c min} [mm] 20

D_{c min} [inch] 0.787

Page in catalog



QR code

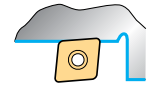
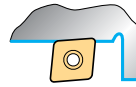
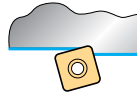
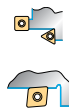
www.walter-tools.com/woc/

FR680

B2

Walter precision boring cartridges

Machining



Approach angle

90°

90°

90°

90°

95°



Designation

FR/FL 709

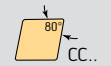
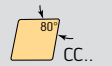
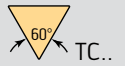
FR/FL 710

FR760

FR761

FR/FL 711

Indexable insert types



Insert size l [mm]

11

6

11

6

4

Insert size l [1/8 inch]

3.5

2

3.5

2

2

Clamping system

Screw

Screw

Screw

Screw

Screw

Adjustment accuracy [mm]

0.01

0.01

0.002

0.002

0.01

 D_{c min} [mm]

36

28

28

28

28

 D_{c min} [inch]

1.417

1.102

1.102

1.102

1.102

Page in catalog

B 601

B 601

B 602

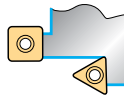
B 602

B 601

QR code


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

Machining



Approach angle

95°

95°



Designation

FR/FL 717

FR763

Indexable insert types



Insert size l [mm]

6

6

Insert size l [1/8 inch]

2

2

Clamping system

Screw

Screw

Adjustment accuracy [mm]

0.01

0.002

 D_{c min} [mm]

28

28

 D_{c min} [inch]

1.102

1.102

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B 601

B 602

QR code


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

HSS countersink



Drilling depth



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

Additional services

| | | | | | |
|------------------------|-------------------|-------------------|-------------------|-------------|-------------------|
| Standard | DIN 335 | DIN 335 | DIN 335 | DIN 335 | DIN 334 |
| Coating / grade | TIN | | uncoated | uncoated | uncoated |
| Shank | Cylindrical shank | Cylindrical shank | Cylindrical shank | Morse taper | Cylindrical shank |

| | | | | | |
|----------------------------|---------|---|---------|--------|---------|
| Diameter range [mm] | 1.5-4.2 | - | 1.3-4.2 | 3.2-22 | 1.6-6.3 |
|----------------------------|---------|---|---------|--------|---------|

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

Page in catalog

QR code



www.walter-tools.com/woc/

E6819TIN

Z3711TIN

E6819

E7819

E6818

B2

HSS countersink

B2



Drilling depth



Designation E7818

Additional services

Standard DIN 334

Coating / grade uncoated

Shank Morse taper

Diameter range [mm] 4–25

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

Page in catalog

QR code



www.walter-tools.com/woc/

E7818

Solid carbide and HSS reamers

| | | | | | |
|----------|--------|--------|--------|--------|--------|
| | | | | | |
| Standard | Walter | Walter | Walter | Walter | Walter |



| | | | | | |
|------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
| Designation | F2481TMS | F2481 | F2482TMS | F2482 | F2171 |
| Cutting tool material | Solid carbide | Solid carbide | Solid carbide | Solid carbide | Solid carbide |
| Coating / grade | TMS | uncoated | TMS | uncoated | uncoated |
| Helix angle | Left-hand | Left-hand | straight | straight | Left-hand |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| Diameter range [mm] | 3.97–20 | 3.97–20 | 3.97–20 | 3.97–20 | 2–20 |
| P Steel | ●● | ● | ●● | ● | ●● |
| M Stainless steel | | | | | ●● |
| K Cast iron | ●● | ● | ●● | ● | ●● |
| N NF metals | | ●● | | ●● | ●● |
| S Materials with difficult cutting properties | | | | | ●● |
| H Hard materials | | | | | ● |
| O Other | | ●● | | ●● | ●● |

Page in catalog

QR code



www.walter-tools.com/woc/

F2481TMS

F2481

F2482TMS

F2482

F2171

Solid carbide and HSS reamers

| | | | | | |
|----------|--------|---------|---------|---------|----------|
| | | | | | |
| Standard | Walter | DIN 212 | DIN 212 | DIN 212 | DIN 2179 |

B3



| | | | | | |
|-----------------------------------------------|---------------|-------------------|-------------------|-------------------|-------------------|
| Designation | F2162 | F1342 | F1352 | F1352HUN | F3234 |
| Cutting tool material | Solid carbide | HSS | HSS | HSS | HSS |
| Coating / grade | uncoated | uncoated | uncoated | uncoated | uncoated |
| Helix angle | straight | straight | Left-hand | Left-hand | Left-hand |
| Shank | DIN 6535 HA | Cylindrical shank | Cylindrical shank | Cylindrical shank | Cylindrical shank |
| Diameter range [mm] | 4–20 | 1–20 | 0.9–20 | 0.95–12 | 1–12 |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | ● | | | | |
| O Other | ●● | ●● | ●● | ●● | ●● |

Page in catalog

QR code


www.walter-tools.com/woc/

F2162

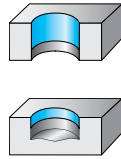
F1342

F1352

F1352HUN

F3234

Solid carbide and HSS reamers



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



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

Page in catalog

QR code



www.walter-tools.com/woc/

F1131

F1231



C - Threading

C1 - Tapping

| | |
|---------------------------|---------|
| Solid carbide taps | Program |
| Solid carbide taps | 244 |
| HSS-E (-PM) taps | Program |
| HSS-E (-PM) taps | 246 |

C2 - Thread forming

| | |
|-----------------------------------------------------|---------|
| HSS-E (-PM) and solid carbide thread formers | Program |
| HSS-E (-PM) and solid carbide thread formers | 258 |

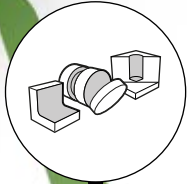
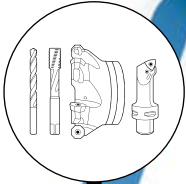
C3 - Thread milling

| | | |
|------------------------------------------------------|---------|-------------|
| Thread milling cutters without countersink | Program | |
| Thread milling cutters without countersink | 262 | |
| Thread milling cutters with countersink | Program | Order pages |
| Thread milling cutters with countersink | 264 | 265 |
| Thread milling | Program | Order pages |
| Drill/thread mills | 271 | 272 |
| Orbital thread milling cutters | Program | |
| Solid carbide orbital thread milling cutters | 280 | |
| Thread milling cutters with indexable inserts | Program | Order pages |
| Thread milling cutters with indexable inserts | 281 | 282 |

How to use Walter GPS

As the market's leading software solution for finding tools and calculating cutting data, Walter GPS offers you many functions that will help you in your day-to-day work: For production on the machine, as good starting values for programming, for process and component planning and much more – the journey from component to production couldn't be quicker. The reason?

➤ **With the GPS cutting data, you can start production immediately!**



SEARCH PRODUCT-RELATED

A

Would you like to use a specific tool or an existing tool? Do you know the application and material, but don't know what cutting data you should work with? Or do you want to know whether your tool can do this?

Walter GPS gives you the answer in just a few clicks: In the form of cutting data, data models and much more.

SEARCH APPLICATION-RELATED

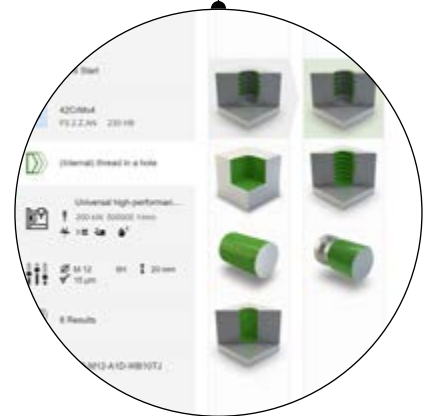
B

Do you know your application and your material, but don't know which tool solution is best for it?

Walter GPS suggests one or more solutions – and you choose the best one for you. And that's not all – this also works for indexable insert tools; Walter GPS even puts together different combinations of body and inserts for these!

Select **material** and ...

... **application**



Enter specific **tool**

Select **material** and ...

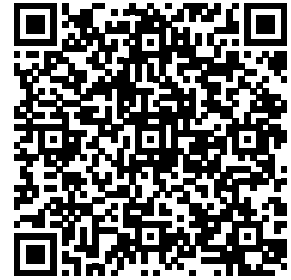
... **application**

HOW WALTER GPS BENEFITS YOU

- Find the right tool solution for your machining task – quickly and based on your machining objective (e.g. maximum cost-efficiency).
- Get reliable cutting data for your tool – calculated according to your specifications: For your tool, your application and your material.
- Ideal for calculating profitability – this allows you to determine the estimated costs in the shortest possible time.
- Benefit from helpful additional information – e.g. in the form of 2D and 3D models which you can use directly for your machine programming.
- CO₂ values for your application – divided according to machining operation and machine basic load.

Launch Walter GPS now

Your navigation system for the best machining solution



www.walter-tools.com/gps

RESULT



Enter application parameters

Tool selection



Enter application parameters

Tool selection

Walter offers you one or more possible tool solutions to choose from. In the default settings, the most cost-efficient solution is displayed. If you have a different priority (e.g. the most productive solution, the best surface quality, etc.), you can define it in advance and the tool selection will be adapted accordingly!

Walter offers you the ideal cutting data for your tool, your application and your material! So precise that you can use it immediately for your application or programming! And, of course, you can find out whether your tool is suitable for the application. If it isn't, use the "Application-related search" to immediately find a suitable alternative – in no time at all and with the option to order it directly!

Solid carbide taps

| | | | | | |
|--------------|--------------------|--------------------|--------------------|--------------------|----------------------|
| Machining | | | | | |
| Thread depth | 2 x D _N | 2 x D _N | 2 x D _N | 3 x D _N | 1,5 x D _N |



| Designation | Prototex® HSC | TC388 Supreme | TC389 Supreme | Paradur® HS | Paradur® N |
|-----------------------------------------------|---------------|---------------|---------------|-----------------|-----------------|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | | | ✓ | |
| UNC / UNF / UN-8 | | | | ✓ | |
| G / Rc / Rp | | ✓ | | | |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | | | | | |
| Tolerance | 6HX | 6HX / NORMAL | 6HX | 2B / 6H | 6H |
| Coolant supply | | External | External | External | External |
| Chamfer form | B | C | D | C | C |
| Coating / grade | TICN | WJ30TU | WE10TU | TICN / uncoated | TICN / uncoated |
| Cutting tool material | VHM | VHM | VHM | VHM | VHM |
| P Steel | ●● | | | | ●● |
| M Stainless steel | | | | | |
| K Cast iron | ●● | | | ● | ●● |
| N NF metals | | | | ●● | ●● |
| S Materials with difficult cutting properties | | ● | ● | ● | |
| H Hard materials | | ●● | ●● | ● | |
| O Other | | | | ●● | ● |

Page in catalog


www.walter-tools.com/woc/

prototex-hsc

TC388

TC389

paradur-hs

paradur-n

Solid carbide taps

| | | | | | |
|-----------|--------------------|--------------------|--------------------|----------------------|----------------------|
| Machining | | | | | |
| | 2 x D _N | 3 x D _N | 3 x D _N | 3,5 x D _N | 3,5 x D _N |



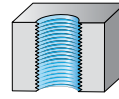
| Designation | Paradur® HSC | Paradur® Engine | Paradur® HS | Paradur® GG | Paradur® N |
|------------------------------------------------------|--------------|-----------------|-------------|-----------------|------------|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | ✓ | | ✓ | |
| UNC / UNF / UN-8 | | | | | |
| G / Rc / Rp | | | | | |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | | | | | |
| Tolerance | 6HX | 6HX | 6H | 6HX | 6H |
| Coolant supply | axial | axial | axial | axial | axial |
| Chamfer form | C | E | C | C | C |
| Coating / grade | TICN | uncoated | TICN | TAFT / uncoated | uncoated |
| Cutting tool material | VHM | VHM | VHM | VHM | VHM |
| P Steel | ●● | | | | |
| M Stainless steel | | | | | |
| K Cast iron | ●● | ●● | ● | ●● | ●● |
| N NF metals | | ●● | ●● | ● | ●● |
| S Materials with difficult cutting properties | | | ● | | |
| H Hard materials | ●● | | ● | | |
| O Other | | | ●● | ● | ● |

| | | | | | |
|-----------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Page in catalog | | | | | |
| QR code | | | | | |
| | www.walter-tools.com/woc/paradur-hsc | www.walter-tools.com/woc/paradur-engine | www.walter-tools.com/woc/paradur-hs | www.walter-tools.com/woc/paradur-gg | www.walter-tools.com/woc/paradur-n |

C1

HSS-E (-PM) taps

Machining



Thread depth

1 x D_N

1 x D_N

1 x D_N

2 x D_N

2 x D_N



Designation

AMB

MMB

Prototex® OS

Prototex® TiNi

Prototex® TiNi Plus

Thread type

M



MF



UNC / UNF / UN-8



G / Rc / Rp

MJ / UNJC / UNJF



NPT / NPTF

Pg / BSW / Tr

STI / Eg / thread insert



Tolerance

7G

6H

6H

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

3B / 4H / 6HX

Coolant supply

External

External

External

External

External

Chamfer form

18 P

B

B

B

Coating / grade

TiN

uncoated

uncoated

TiCN / uncoated

ACN

Cutting tool material

HSS-E

HSS-E

HSS-E

HSS-E-PM

HSS-E-PM

P Steel



M Stainless steel



K Cast iron



N NF metals



S Materials with difficult cutting properties



H Hard materials

O Other

Page in catalog

QR code



www.walter-tools.com/woc/

amb

mmb

prototex-os

prototex-tini

prototex-tini-plus

HSS-E (-PM) taps

| | | | | | |
|-----------|--|--|--|--|--|
| Machining | | | | | |
|-----------|--|--|--|--|--|

| | | | | | |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Thread depth | 2 x D _N | 3 x D _N | 3 x D _N | 3 x D _N | 3 x D _N |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|



| | | | | | |
|-------------|-----|-------|------------|----------------------|------------------|
| Designation | TMB | KMB H | Paradur® N | Prototex® Megasprint | Prototex® Sprint |
|-------------|-----|-------|------------|----------------------|------------------|

| | | | | | |
|--------------------------|---|---|---|---|---|
| Thread type | | | | | |
| M | | ✓ | ✓ | ✓ | ✓ |
| MF | | | | | ✓ |
| UNC / UNF / UN-8 | | | | | |
| G / Rc / Rp | | | | | |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | ✓ | ✓ | | | |
| STI / Eg / thread insert | | | | | |

| | | | | | |
|-----------|----|-------------|----|----|----|
| Tolerance | 7H | 6H / NORMAL | 6H | 6H | 6H |
|-----------|----|-------------|----|----|----|

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

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

| | | | | | |
|-----------------|----------|----------|----------|-----|------------|
| Coating / grade | uncoated | uncoated | uncoated | TIN | TICN / TIN |
|-----------------|----------|----------|----------|-----|------------|

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

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

| | | | | | |
|-----------------|--|--|--|--|--|
| Page in catalog | | | | | |
|-----------------|--|--|--|--|--|

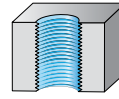
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|---------|--|--|--|--|--|
| QR code | | | | | |
|---------|--|--|--|--|--|

| | | | | | |
|--------------------------------------------------------------------------|-----|-------|-----------|---------------------|-----------------|
| www.walter-tools.com/woc/ | tmb | kmb-h | paradur-n | prototex-megasprint | prototex-sprint |
|--------------------------------------------------------------------------|-----|-------|-----------|---------------------|-----------------|

C1

HSS-E (-PM) taps

Machining



Thread depth

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


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

Page in catalog

QR code


www.walter-tools.com/woc/
[prototex-synchrospeed](#)
[prototex-xpert-m](#)
[prototex-xpert-n](#)
[prototex-xpert-p](#)
[prototex-xpert-p-az](#)

HSS-E (-PM) taps

| | | | | | |
|-----------|--------------------|----------------------|----------------------|----------------------|--------------------|
| Machining | | | | | |
| | 3 x D _N | 3,5 x D _N | 3,5 x D _N | 1,5 x D _N | 2 x D _N |



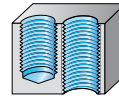
| Designation | Thread-tec™ Omni | Prototex® Eco Plus | TC216 Perform | Paradur® H | HGB |
|------------------------------------------------------|---------------------------------------|-------------------------|-----------------|----------------|----------|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | ✓ | ✓ | ✓ | |
| UNC / UNF / UN-8 | | ✓ | ✓ | | |
| G / Rc / Rp | | ✓ | | ✓ | |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | | | | | |
| Tolerance | 4HX / 5HX / 6G / 6GX / 6H / 6HX / 7GX | 2B / 6GX / 6HX / NORMAL | 2B / 6H | 6H / NORMAL | 6H |
| Coolant supply | External | External / radial | External | External | External |
| Chamfer form | B | B | B | C | C |
| Coating / grade | WY80AA / WY80FC / WY80RG | THL / TIN | WY80AA / WY80FC | TIN / uncoated | uncoated |
| Cutting tool material | HSS-E | HSS-E-PM | HSS-E | HSS-E | HSS |
| P Steel | ●● | ●● | ●● | | ● |
| M Stainless steel | ●● | ●● | ●● | | |
| K Cast iron | ●● | ●● | ●● | ● | ● |
| N NF metals | ●● | ●● | ●● | ●● | ● |
| S Materials with difficult cutting properties | | | | | |
| H Hard materials | | | | | |
| O Other | | | | ● | |

| | | | | | |
|--------------------------------------------------------------------------|-------|-------------------|-------|-----------|-----|
| Page in catalog | | | | | |
| QR code | | | | | |
| www.walter-tools.com/woc/ | TD217 | prototex-eco-plus | TC216 | paradur-h | hgb |

C1

HSS-E (-PM) taps

Machining



Thread depth

2 x D_N

2 x D_N

3 x D_N

3 x D_N

3 x D_N



Designation

HGB Inox

HGB Ti

KMB Ms

Paradur® Eco CI

Paradur® X-pert K

Thread type

M



MF



UNC / UNF / UN-8



G / Rc / Rp



MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

STI / Eg / thread insert

Tolerance

6HX

6HX

6H / NORMAL

2B / 6HX / NORMAL

6HX

Coolant supply

External

External

External

External

External

Chamfer form

C

C

E / F

C / E

C

Coating / grade

VAP

NiD

uncoated

NiD / TiCN

TAFT

Cutting tool material

HSS-E

HSS-E

HSS-E

HSS-E-PM

HSS-E-PM

P Steel



M Stainless steel



K Cast iron



N NF metals



S Materials with difficult cutting properties



H Hard materials

O Other



Page in catalog

QR code



www.walter-tools.com/woc/

hgb-inox

hgb-ti

kmb-ms

paradur-eco-ci

paradur-xpert-k

HSS-E (-PM) taps

| | | | | | |
|-----------|--|--|--|--|--|
| Machining | | | | | |
|-----------|--|--|--|--|--|

| | | | | | |
|--------------|--|--|--|--|--|
| Thread depth | | | | | |
|--------------|--|--|--|--|--|



| Designation | Paradur Inox® | Paradur Inox® 40 | Paradur® H | Paradur® N | Paradur® Ni |
|-------------|---------------|------------------|------------|------------|-------------|
|-------------|---------------|------------------|------------|------------|-------------|

| | | | | | |
|--------------------------|---|---|---|---|---|
| Thread type | | | | | |
| M | | | | | |
| MF | | | | | |
| UNC / UNF / UN-8 | | | | | |
| G / Rc / Rp | | | ✓ | | |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | ✓ | ✓ | ✓ | ✓ | ✓ |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | | | | | |

| | | | | | |
|-----------|--------|--------|--------|--------|--------|
| Tolerance | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
|-----------|--------|--------|--------|--------|--------|

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

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

| | | | | | |
|-----------------|-----------|----------|----------|-----|-----------------|
| Coating / grade | THL / VAP | uncoated | uncoated | VAP | TICN / uncoated |
|-----------------|-----------|----------|----------|-----|-----------------|

| | | | | | |
|-----------------------|-------|-------|-------|-------|-------|
| Cutting tool material | HSS-E | HSS-E | HSS-E | HSS-E | HSS-E |
|-----------------------|-------|-------|-------|-------|-------|

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

| | | | | | |
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| Page in catalog | | | | | |
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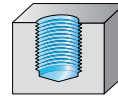
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|---------|--|--|--|--|--|
| QR code | | | | | |
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| | | | | | |
|---------------------------|--------------|-----------------|-----------|-----------|------------|
| www.walter-tools.com/woc/ | paradur-inox | paradur-inox-40 | paradur-h | paradur-n | paradur-ni |
|---------------------------|--------------|-----------------|-----------|-----------|------------|

C1

HSS-E (-PM) taps

Machining



Thread depth

1,5 x D_N

1,5 x D_N

1,5 x D_N

1,5 x D_N

1,5 x D_N



| Designation | Paradur Inox® 25 | Paradur® N | Paradur® Ni | Paradur® Ni 10 | TC122 Supreme |
|------------------------------------------------------|------------------|----------------------------|--------------------------|----------------|---------------|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | ✓ | | ✓ | |
| UNC / UNF / UN-8 | | ✓ | ✓ | | |
| G / Rc / Rp | ✓ | ✓ | | | |
| MJ / UNJC / UNJF | | | | ✓ | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | | | ✓ | | |
| Tolerance | 6HX / NORMAL | 2B / 3B / 6G / 6H / NORMAL | 2B / 3B / 4H / 4HX / 6HX | 3B / 4H / 6HX | 6HX |
| Coolant supply | External | External | External | External | External |
| Chamfer form | E | C | C | C | C |
| Coating / grade | TIN | TICN / TIN / uncoated | TICN / uncoated | TIN / uncoated | WW60BC |
| Cutting tool material | HSS-E | HSS-E | HSS-E-PM | HSS-E-PM | HSS-E-PM |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | | | | |
| K Cast iron | | ●● | ●● | ●● | ● |
| N NF metals | | ●● | ● | ● | |
| S Materials with difficult cutting properties | | | ●● | ●● | |
| H Hard materials | | | | | |
| O Other | | | | | |

Page in catalog

QR code



www.walter-tools.com/woc/

paradur-inox-25

paradur-n

paradur-ni

paradur-ni-10

TC122

HSS-E (-PM) taps

| | | | | | |
|-----------|--|--|--|--|--|
| Machining | | | | | |
| | | | | | |

| Thread depth | 2 x D _N | 2 x D _N | 2,5 x D _N | 2,5 x D _N | 2,5 x D _N |
|--------------|--------------------|--------------------|----------------------|----------------------|----------------------|
|--------------|--------------------|--------------------|----------------------|----------------------|----------------------|



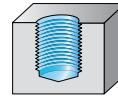
| Designation | Paradur® Ti | Paradur® Ti Plus | Paradur® STE | Paradur® Synchrospeed | Paradur® X-pert M |
|------------------------------------------------------|--------------------|------------------|----------------|-----------------------|--------------------------------------|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | ✓ | ✓ | ✓ | ✓ |
| UNC / UNF / UN-8 | ✓ | | | | ✓ |
| G / Rc / Rp | | | ✓ | ✓ | ✓ |
| MJ / UNJC / UNJF | ✓ | ✓ | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | ✓ | | | | ✓ |
| Tolerance | 2B / 3B / 4H / 6HX | 3B / 4H / 6HX | 6HX / NORMAL | 6HX / NORMAL | 2B / 3B / 6GX / 6HMOD / 6HX / NORMAL |
| Coolant supply | External | External | External | External / axial | External |
| Chamfer form | C | C | E | C | C |
| Coating / grade | TICN / uncoated | ACN | THL / uncoated | THL / TIN/VAP | THL / TICN / TIN / VAP |
| Cutting tool material | HSS-E-PM | HSS-E-PM | HSS-E | HSS-E | HSS-E |
| P Steel | ●● | | ● | ●● | ● |
| M Stainless steel | | | ● | ●● | ●● |
| K Cast iron | | | ● | ●● | |
| N NF metals | ● | | ● | ● | |
| S Materials with difficult cutting properties | ●● | ●● | | ● | |
| H Hard materials | | | | | |
| O Other | | | | ● | |

| | | | | | |
|--------------------------------------------------------------------------|------------|-----------------|-------------|----------------------|-----------------|
| Page in catalog | | | | | |
| QR code | | | | | |
| www.walter-tools.com/woc/ | paradur-ti | paradur-ti-plus | paradur-ste | paradur-synchrospeed | paradur-xpert-m |

C1

HSS-E (-PM) taps

Machining



Thread depth

 2,5 x D_N

 2,5 x D_N

 2,5 x D_N

 3 x D_N

 3 x D_N


| Designation | TC121 Supreme | TC122 Supreme | Thread-tec™ Omni | Paradur® Eco CI | Paradur® Eco Plus |
|------------------------------------------------------|------------------|---------------|--------------------------|-----------------|---------------------------|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | | | ✓ | ✓ | ✓ |
| UNC / UNF / UN-8 | | | | | ✓ |
| G / Rc / Rp | | | | | ✓ |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | | | ✓ | | |
| Tolerance | 6HX | 6HX | 6GX / 6HMOD / 6HX | 6HX | 2B / 6GX / 6HX / NORMAL |
| Coolant supply | External / axial | axial | External | axial / radial | External / axial / radial |
| Chamfer form | C | C | C / E | C / E | C / E |
| Coating / grade | WW60RG / WY80BD | WW60BC | WY80AA / WY80FC / WY80RG | TICN | THL / TIN |
| Cutting tool material | HSS-E-PM | HSS-E-PM | HSS-E | HSS-E-PM | HSS-E-PM |
| P Steel | ●● | ●● | ●● | | ●● |
| M Stainless steel | ● | | ●● | | ●● |
| K Cast iron | ● | ● | ●● | ●● | ●● |
| N NF metals | ● | | ●● | ●● | ●● |
| S Materials with difficult cutting properties | | | | | |
| H Hard materials | | | | | |
| O Other | | | | ●● | |

Page in catalog

QR code


www.walter-tools.com/woc/

TC121

TC122

TD117

paradur-eco-ci

paradur-eco-plus

HSS-E (-PM) taps

| | | | | | |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Machining | | | | | |
| | 3 x D _N | 3 x D _N | 3 x D _N | 3 x D _N | 3 x D _N |



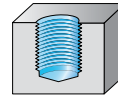
| Designation | Paradur® Uni | Paradur® WLM Synchrospeed | Paradur® X-pert N | Paradur® X-pert P | Paradur® X-pert P AZ |
|------------------------------------------------------|----------------------|---------------------------|------------------------------------|-------------------------------------------------------|----------------------|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | | ✓ | ✓ | |
| UNC / UNF / UN-8 | | | ✓ | ✓ | |
| G / Rc / Rp | ✓ | | ✓ | ✓ | |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | ✓ | |
| STI / Eg / thread insert | | | ✓ | ✓ | |
| Tolerance | 6G / 6H / NORMAL | 6H | 2B / 3B / 6G / 6H / 6HMOD / NORMAL | 2B / 3B / 4H / 6G / 6H / 6HMOD / 7G / MEDIUM / NORMAL | 6H |
| Coolant supply | External | External | External | External | External |
| Chamfer form | C | C | C | C | C |
| Coating / grade | TIN / VAP / uncoated | CRN / uncoated | uncoated | THL / TIN / uncoated | uncoated |
| Cutting tool material | HSS-E | HSS-E | HSS-E | HSS-E | HSS-E |
| P Steel | ●● | ● | | ●● | ●● |
| M Stainless steel | | | | | |
| K Cast iron | ● | | | | |
| N NF metals | ● | ●● | ●● | ● | ● |
| S Materials with difficult cutting properties | | ●● | ● | | |
| H Hard materials | | | | | |
| O Other | | ●● | ● | ● | ● |

| | | | | | |
|--------------------------------------------------------------------------|-------------|--------------------------|-----------------|-----------------|--------------------|
| Page in catalog | | | | | |
| QR code | | | | | |
| www.walter-tools.com/woc/ | paradur-uni | paradur-wlm-synchrospeed | paradur-xpert-n | paradur-xpert-p | paradur-xpert-p-az |

C1

HSS-E (-PM) taps

Machining



Thread depth

3 x D_N

3 x D_N

3 x D_N

3,5 x D_N

3,5 x D_N



C1

| Designation | TC115 Perform | TC120 Supreme | TC142 Supreme | Paradur® NH | Paradur® Short Chip HT |
|------------------------------------------------------|-----------------|------------------|------------------|----------------|------------------------|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | | ✓ | | ✓ |
| UNC / UNF / UN-8 | ✓ | | | | |
| G / Rc / Rp | | | ✓ | | |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | | | | | |
| Tolerance | 2B / 6H | 6HX | 6HX / NORMAL | 6H | 6HX |
| Coolant supply | External | External / axial | External | axial | axial |
| Chamfer form | C / E | C | C | C | C |
| Coating / grade | WY80AA / WY80FC | WW60AG | WW60RB / WY80FC | TIN / uncoated | THL / uncoated |
| Cutting tool material | HSS-E | HSS-E-PM | HSS-E / HSS-E-PM | HSS-E | HSS-E |
| P Steel | ●● | ●● | ● | ●● | ●● |
| M Stainless steel | ●● | | ●● | | |
| K Cast iron | ●● | | | ●● | ● |
| N NF metals | ● | ● | | ● | ● |
| S Materials with difficult cutting properties | | | | | |
| H Hard materials | | | | | |
| O Other | | | | ● | |

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QR code



www.walter-tools.com/woc/

TC115

TC120

TC142

paradur-nh

paradur-short-chip-ht

HSS-E (-PM) taps

| | | | |
|-----------|----------------------|--------------------|--------------------|
| Machining | | | |
| | 3,5 x D _N | 3 x D _N | 3 x D _N |



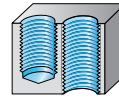
| Designation | TC130 Supreme | TC115 Perform | TC216 Perform |
|------------------------------------------------------|-----------------|-----------------|-----------------|
| Thread type | | | |
| M | ✓ | ✓ | ✓ |
| MF | ✓ | | |
| UNC / UNF / UN-8 | ✓ | | |
| G / Rc / Rp | | | |
| MJ / UNJC / UNJF | | | |
| NPT / NPTF | | | |
| Pg / BSW / Tr | | | |
| STI / Eg / thread insert | | | |
| Tolerance | 2B / 6HX | 6H | 6H |
| Coolant supply | axial | External | External |
| Chamfer form | C | C | B |
| Coating / grade | WY80AA / WY80EH | WY80AA / WY80FC | WY80AA / WY80FC |
| Cutting tool material | HSS-E | HSS-E | HSS-E |
| P Steel | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● |
| N NF metals | ● | ● | ●● |
| S Materials with difficult cutting properties | | | |
| H Hard materials | | | |
| O Other | ● | | |

Page in catalog

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|--------------------------------------------------------------------------|-------|-------|-------|
| QR code | | | |
| www.walter-tools.com/woc/ | TC130 | TC115 | TC216 |

HSS-E and solid carbide thread formers

Machining



Thread depth

2 x D_N

3 x D_N

3 x D_N

3 x D_N

3 x D_N



Designation

Protodyn® Eco LM

Protodyn® C

TC410 Advance

TC420 Supreme

TC430 Supreme

Thread type

M



MF

UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

STI / Eg / thread insert

Tolerance

6HX

6GX / 6HX

6GX / 6HX / 7GX

6GX / 6HX

6HX

Coolant supply

External

External

External

External

External

Chamfer form

C

C

C / D

C

C

Coating / grade

CRN

NiD / uncoated

WY80AD

WW60AD / WW60BA

WW60EL

Cutting tool material

HSS-E

HSS-E

HSS-E

HSS-E-PM

HSS-E-PM

P Steel



M Stainless steel



K Cast iron



N NF metals



S Materials with difficult cutting properties



H Hard materials

O Other

Page in catalog

QR code



www.walter-tools.com/woc/

protodyn-eco-lm

protodyn-c

TC410

TC420

TC430

HSS-E and solid carbide thread formers

| | | | | | |
|-----------|--|--|--|--|--|
| Machining | | | | | |
|-----------|--|--|--|--|--|

| | | | | | |
|--------------|--------------------|----------------------|----------------------|----------------------|----------------------|
| Thread depth | 3 x D _N | 3,5 x D _N | 3,5 x D _N | 3,5 x D _N | 3,5 x D _N |
|--------------|--------------------|----------------------|----------------------|----------------------|----------------------|



| | | | | | |
|-------------|---------------|--------------------------------------|--------------------------|--------------------------|---------------|
| Designation | TC470 Supreme | Protodyn [®] S Synchrospeed | Protodyn [®] SC | Protodyn [®] SF | TC410 Advance |
|-------------|---------------|--------------------------------------|--------------------------|--------------------------|---------------|

| | | | | | |
|--------------------------|---|---|---|---|---|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | | ✓ | | ✓ | ✓ |
| UNC / UNF / UN-8 | | | | | ✓ |
| G / Rc / Rp | | | | ✓ | ✓ |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | | | | | |

| | | | | | |
|-----------|-----|-----|-----------|--------------|--------------------------------|
| Tolerance | 6HX | 6HX | 6GX / 6HX | 6HX / NORMAL | 2BX / 6GX / 6HX / 7GX / NORMAL |
|-----------|-----|-----|-----------|--------------|--------------------------------|

| | | | | | |
|----------------|----------|-------------------|----------|----------|----------|
| Coolant supply | External | External / radial | External | External | External |
|----------------|----------|-------------------|----------|----------|----------|

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

| | | | | | |
|-----------------|--------|------------|----------------|------|--------|
| Coating / grade | WG20EL | TICN / TIN | NiD / uncoated | TICN | WY80AD |
|-----------------|--------|------------|----------------|------|--------|

| | | | | | |
|-----------------------|-----|-------|-------|-------|-------|
| Cutting tool material | VHM | HSS-E | HSS-E | HSS-E | HSS-E |
|-----------------------|-----|-------|-------|-------|-------|

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

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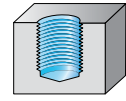
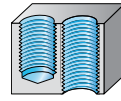
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| | | | | | |
|---------------------------|-------|-------------------------|-------------|-------------|-------|
| www.walter-tools.com/woc/ | TC470 | protodyn-s-synchrospeed | protodyn-sc | protodyn-sf | TC410 |
|---------------------------|-------|-------------------------|-------------|-------------|-------|

C2

HSS-E and solid carbide thread formers

Machining



Thread depth

 $3,5 \times D_N$
 $3,5 \times D_N$
 $3,5 \times D_N$
 $3,5 \times D_N$
 $3,5 \times D_N$


Designation

TC420 Supreme

TC430 Supreme

TC440 Supreme

TC470 Supreme

TC410 Advance

Thread type

M



MF



UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

STI / Eg / thread insert

Tolerance

6GX / 6HX

6GX / 6HX

6HX

6HX

6GX

Coolant supply

External / radial

External / radial

External / radial

External / radial

External

Chamfer form

C

C

C

C

E

Coating / grade

WW60AD / WW60BA

WW60AD / WW60EL

WY80AD

WG20EL

WY80AD

Cutting tool material

HSS-E-PM

HSS-E-PM

HSS-E

VHM

HSS-E

P Steel



M Stainless steel



K Cast iron



N NF metals



S Materials with difficult cutting properties



H Hard materials

O Other

Page in catalog

QR code


www.walter-tools.com/woc/

TC420

TC430

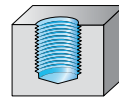
TC440

TC470

TC410

HSS-E and solid carbide thread formers

Machining



| | | | | |
|--------------|----------------------|----------------------|----------------------|----------------------|
| Thread depth | 3,5 x D _N | 3,5 x D _N | 3,5 x D _N | 3,5 x D _N |
|--------------|----------------------|----------------------|----------------------|----------------------|



| | | | | |
|-------------|---------------|---------------|---------------|---------------|
| Designation | TC420 Supreme | TC430 Supreme | TC440 Supreme | TC470 Supreme |
|-------------|---------------|---------------|---------------|---------------|

| | | | | |
|--------------------------|---|---|---|---|
| Thread type | | | | |
| M | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | ✓ | | |
| UNC / UNF / UN-8 | | | | |
| G / Rc / Rp | | | | |
| MJ / UNJC / UNJF | | | | |
| NPT / NPTF | | | | |
| Pg / BSW / Tr | | | | |
| STI / Eg / thread insert | | | | |

| | | | | |
|-----------|-----------|-----|-----|-----|
| Tolerance | 6GX / 6HX | 6HX | 6HX | 6HX |
|-----------|-----------|-----|-----|-----|

| | | | | |
|----------------|------------------|-------|-------|-------|
| Coolant supply | External / axial | axial | axial | axial |
|----------------|------------------|-------|-------|-------|

| | | | | |
|--------------|-------|---|---|-------|
| Chamfer form | C / E | C | C | C / E |
|--------------|-------|---|---|-------|

| | | | | |
|-----------------|-----------------|-----------------|--------|--------|
| Coating / grade | WW60AD / WW60BA | WW60AD / WW60EL | WY80AD | WG20EL |
|-----------------|-----------------|-----------------|--------|--------|

| | | | | |
|-----------------------|----------|----------|-------|-----|
| Cutting tool material | HSS-E-PM | HSS-E-PM | HSS-E | VHM |
|-----------------------|----------|----------|-------|-----|

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

Page in catalog



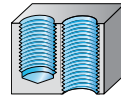
| | | | | |
|---------|-------|-------|-------|-------|
| QR code | | | | |
| | TC420 | TC430 | TC440 | TC470 |

www.walter-tools.com/woc/

C2

Thread milling cutters without countersink

Machining



Thread depth

 $1,5 \times D_N$
 $1,5 \times D_N$
 $2 \times D_N$
 $2 \times D_N$
 $2 \times D_N$


Designation

TC610 Supreme

TMG Ni

TC611 Supreme

TC620 Supreme

TME

Thread type

M



MF



UNC / UNF / UN-8



G / Rc / Rp



MJ / UNJC / UNJF



NPT / NPTF

Pg / BSW / Tr

STI / Eg / thread insert



Additional services



Coolant supply

External / axial

External / axial

External / axial

axial

External

Coating / grade

WB10RD / WJ30RC

TiCN

WB10RD / WJ30RC

WB10TJ

TiCN

Cutting tool material

VHM

VHM

VHM

VHM

VHM

P Steel

M Stainless steel

K Cast iron

N NF metals

S Materials with difficult cutting properties

H Hard materials

O Other


Page in catalog

QR code


www.walter-tools.com/woc/

TC610

tmg-ni

TC611

TC620

tme

Thread milling cutters without countersink

| | | |
|--------------|----------------------|--------------------|
| Machining | | |
| Thread depth | 2,5 x D _N | 3 x D _N |



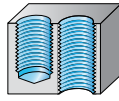
| Designation | TC620 Supreme | TC620 Supreme | TMG |
|-----------------------------------------------|---------------|---------------|----------|
| Thread type | | | |
| M | ✓ | ✓ | |
| MF | ✓ | ✓ | |
| UNC / UNF / UN-8 | ✓ | | |
| G / Rc / Rp | | | |
| MJ / UNJC / UNJF | | | |
| NPT / NPTF | | | ✓ |
| Pg / BSW / Tr | | | |
| STI / Eg / thread insert | ✓ | ✓ | |
| Additional services | | | |
| Coolant supply | axial | axial | External |
| Coating / grade | WB10TJ | WB10TJ | TICN |
| Cutting tool material | VHM | VHM | VHM |
| P Steel | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● |
| H Hard materials | | | |
| O Other | ● | ● | ● |

Page in catalog

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|---------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| QR code | | | |
| | www.walter-tools.com/woc/TC620 | www.walter-tools.com/woc/TC620 | www.walter-tools.com/woc/tmg |

Thread milling cutters with countersink

Machining



Thread depth

2 x D_N

2 x D_N

NEW



Designation

TC620 Supreme

TMC

Thread type

M



MF



UNC / UNF / UN-8



G / Rc / Rp



MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

STI / Eg / thread insert



Additional services



Coolant supply

axial

External / axial

Coating / grade

WB10TJ

TICN / uncoated

Cutting tool material

VHM

VHM

P Steel



M Stainless steel



K Cast iron



N NF metals



S Materials with difficult cutting properties



H Hard materials

O Other



Page in catalog

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QR code



www.walter-tools.com/woc/

TC620

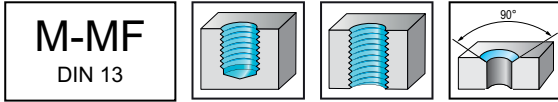
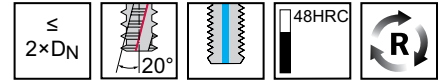
tmc

Multiple-row thread milling cutters

TC620 Supreme



- with countersink
- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



| | | | | | | | |
|----------------|----|----|----|----|----|---|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | | ● |

| Tool | | Designation | D _N | P mm | D _c mm | l _{z1} mm | L _c mm | l ₃ mm | l ₄ mm | l ₁ mm | d ₂ mm | d ₁ h6 mm | Z | WB10TJ |
|------|--|-----------------|----------------|---------|----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|---|--------|
| | | ★ TC620-M3-WCD- | M 3 | 0.5 | 2.3 | 1 | 6 | 11.5 | 16 | 52 | 3.4 | 6 | 3 | ☹ |

DIN 6535 HB

Ordering example for the grade WB10TJ: TC620-M3-WCD-WB10TJ

C3

WALTER SELECT

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

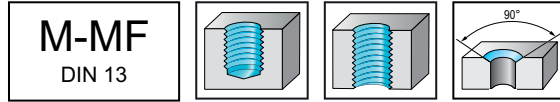
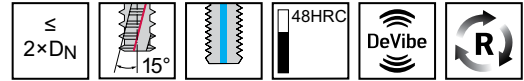
●● Primary application ● Other application

Multiple-row thread milling cutters

TC620 Supreme



- with countersink
- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



| | | | | | | | |
|----------------|----|----|----|----|----|----|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | ●● | ● |

| Tool | Designation | D _N | P mm | D _c mm | l ₂₁ mm | L _c mm | l ₃ mm | l ₄ mm | l ₁ mm | d ₂ mm | d ₁ h6 mm | Z | WB10TJ |
|--------------------|------------------|----------------|------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| <p>DIN 6535 HB</p> | ★ TC620-M4-WVD- | M 4 | 0.7 | 3.1 | 1.4 | 8.4 | 15.7 | 21 | 57 | 4.6 | 6 | 3 | ☹ |
| | ★ TC620-M5-WVD- | M 5 | 0.8 | 3.9 | 1.6 | 10.4 | | 21 | 57 | | 6 | 3 | ☹ |
| | ★ TC620-M6-WVD- | M 6 | 1 | 4.7 | 2 | 12 | 22.9 | 27 | 63 | 6.8 | 8 | 4 | ☹ |
| | ★ TC620-M8-WVD- | M 8 | 1.25 | 6.3 | 2.5 | 16.3 | 30.7 | 32 | 72 | 9 | 10 | 4 | ☹ |
| | ★ TC620-M10-WVD- | M 10 | 1.5 | 7.9 | 3 | 21 | 22.1 | 38 | 83 | 11.2 | 12 | 4 | ☹ |
| | ★ TC620-M12-WVD- | M 12 | 1.75 | 9.6 | 3.5 | 24.5 | 45.9 | 50 | 95 | 13.4 | 14 | 4 | ☹ |
| | ★ TC620-M14-WVD- | M 14 | 2 | 11.2 | 4 | 28 | | 57 | 105 | | 16 | 4 | ☹ |
| | ★ TC620-M16-WVD- | M 16 | 2 | 13.1 | 4 | 32 | | 59 | 107 | | 18 | 5 | ☹ |
| | ★ TC620-M18-WVD- | M 18 | 2.5 | 14.5 | 5 | 37.5 | | 75 | 125 | | 20 | 5 | ☹ |
| | ★ TC620-M20-WVD- | M 20 | 2.5 | 16.4 | 5 | 40 | 75.2 | 84 | 140 | 22 | 25 | 5 | ☹ |

Ordering example for the grade WB10TJ: TC620-M10-WVD-WB10TJ

C3

WALTER SELECT

●● Primary application ● Other application

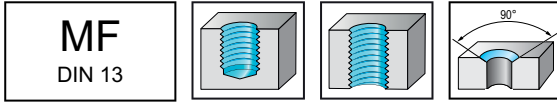
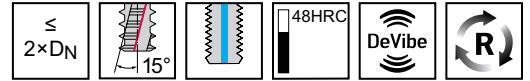
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ / ★

Multiple-row thread milling cutters

TC620 Supreme

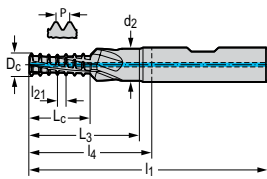


- with countersink
- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



| | | | | | | | |
|---------------|----|----|----|----|----|---|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AITN) | ●● | ●● | ●● | ●● | ●● | | ● |

Tool



DIN 6535 HB

| Designation | D _N | P mm | D _c mm | l ₂₁ mm | L _c mm | l ₃ mm | l ₄ mm | l ₁ mm | d ₂ mm | d ₁ h6 mm | Z | WB10TJ |
|----------------------|----------------|------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| ★ TC620-M4X0.5-WVD- | MF 4X0.5 | 0.5 | 3.2 | 1 | 8 | 15.1 | 21 | 57 | 4.4 | 6 | 4 | ☹ |
| ★ TC620-M6X0.5-WVD- | MF 6X0.5 | 0.5 | 5.1 | 1 | 12 | 22.3 | 27 | 63 | 6.4 | 8 | 5 | ☹ |
| ★ TC620-M6X0.75-WVD- | MF 6X0.75 | 0.75 | 4.9 | 1.5 | 12 | 22.6 | 27 | 63 | 6.6 | 8 | 4 | ☹ |
| ★ TC620-M8X0.75-WVD- | MF 8X0.75 | 0.75 | 6.8 | 1.5 | 16.5 | 30.3 | 32 | 72 | 8.6 | 10 | 5 | ☹ |
| ★ TC620-M8X1-WVD- | MF 8X1 | 1 | 6.5 | 2 | 16 | 30.1 | 32 | 72 | 8.8 | 10 | 4 | ☹ |
| ★ TC620-M10X0.5-WVD- | MF 10X0.5 | 0.5 | 8.9 | 1 | 20 | 36.7 | 38 | 83 | 10.4 | 12 | 6 | ☹ |
| ★ TC620-M10X1-WVD- | MF 10X1 | 1 | 8.4 | 2 | 20 | 37.3 | 38 | 83 | 10.8 | 12 | 5 | ☹ |
| ★ TC620-M10X1.25WVD- | MF 10X1.25 | 1.25 | 8.2 | 2.5 | 20 | 37.6 | 38 | 83 | 11 | 12 | 5 | ☹ |
| ★ TC620-M12X1-WVD- | MF 12X1 | 1 | 10.3 | 2 | 24 | 44.5 | 50 | 95 | 12.8 | 14 | 6 | ☹ |
| ★ TC620-M12X1.25WVD- | MF 12X1.25 | 1.25 | 10 | 2.5 | 25 | 45.8 | 50 | 95 | 13 | 14 | 5 | ☹ |
| ★ TC620-M12X1.5-WVD- | MF 12X1.5 | 1.5 | 9.8 | 3 | 24 | 45.1 | 50 | 95 | 13.2 | 14 | 5 | ☹ |
| ★ TC620-M14X1-WVD- | MF 14X1 | 1 | 12.2 | 2 | 28 | 51.7 | 57 | 105 | 14.8 | 16 | 6 | ☹ |
| ★ TC620-M14X1.5-WVD- | MF 14X1.5 | 1.5 | 11.7 | 3 | 28.5 | 52.8 | 57 | 105 | 15.2 | 16 | 5 | ☹ |
| ★ TC620-M16X1-WVD- | MF 16X1 | 1 | 14.1 | 2 | 32 | 58.9 | 62 | 110 | 16.8 | 18 | 6 | ☹ |
| ★ TC620-M16X1.5-WVD- | MF 16X1.5 | 1.5 | 13.6 | 3 | 33 | 60.5 | 64 | 112 | 17.2 | 18 | 6 | ☹ |
| ★ TC620-M18X1-WVD- | MF 18X1 | 1 | 15.9 | 2 | 36 | 66.1 | 75 | 125 | 18.8 | 20 | 6 | ☹ |
| ★ TC620-M18X1.5-WVD- | MF 18X1.5 | 1.5 | 15.5 | 3 | 36 | 66.7 | 75 | 125 | 19.2 | 20 | 6 | ☹ |
| ★ TC620-M20X1.5-WVD- | MF 20X1.5 | 1.5 | 17.3 | 3 | 40.5 | 74.4 | 80 | 136 | 21.2 | 25 | 7 | ☹ |

Ordering example for the grade WB10TJ: TC620-M10X0.5-WVD-WB10TJ

WALTER SELECT ●● Primary application ● Other application

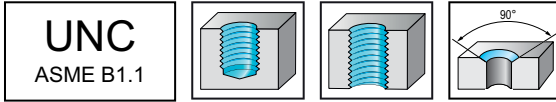
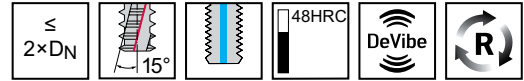
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme

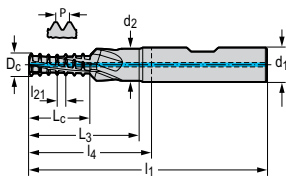


- with countersink
- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



| | | | | | | | |
|----------------|----|----|----|----|----|----|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | ●● | ● |

Tool



DIN 6535 HB

| Designation | D _N | Thread per inch | D _c mm | l ₂₁ mm | L _c mm | l ₃ mm | l ₄ mm | l ₁ mm | d ₂ mm | d ₁ h6 mm | Z | WB10TJ |
|----------------------|----------------|-----------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| ★ TC620-UNC8-WVD- | UNC #8-32 | 32 | 3.1 | 1.59 | 8.7 | 16.4 | 21 | 57 | 4.8 | 6 | 3 | ☹ |
| ★ TC620-UNC10-WVD- | UNC #10-24 | 24 | 3.5 | 2.12 | 10.6 | | 21 | 57 | | 6 | 3 | ☹ |
| ★ TC620-UNC1/4-WVD- | UNC 1/4-20 | 20 | 4.7 | 2.54 | 12.7 | 24.5 | 27 | 63 | 7.4 | 8 | 3 | ☹ |
| ★ TC620-UNC5/16-WVD- | UNC 5/16-18 | 18 | 6.1 | 2.82 | 16.9 | 31.4 | 32 | 72 | 9 | 10 | 4 | ☹ |
| ★ TC620-UNC3/8-WVD- | UNC 3/8-16 | 16 | 7.4 | 3.18 | 19.1 | 36.3 | 38 | 83 | 10.8 | 12 | 4 | ☹ |
| ★ TC620-UNC7/16-WVD- | UNC 7/16-14 | 14 | 8.7 | 3.63 | 23.6 | 43.7 | 50 | 95 | 12.5 | 14 | 4 | ☹ |
| ★ TC620-UNC1/2-WVD- | UNC 1/2-13 | 13 | 10.1 | 3.91 | 25.4 | 48.2 | 54 | 102 | 14.2 | 16 | 4 | ☹ |
| ★ TC620-UNC9/16-WVD- | UNC 9/16-12 | 12 | 11.4 | 4.23 | 29.6 | | 59 | 107 | | 16 | 4 | ☹ |
| ★ TC620-UNC5/8-WVD- | UNC 5/8-11 | 11 | 12.7 | 4.62 | 32.3 | | 59 | 107 | | 18 | 4 | ☹ |
| ★ TC620-UNC3/4-WVD- | UNC 3/4-10 | 10 | 15.5 | 5.08 | 38.1 | 71.8 | 79 | 135 | 21 | 25 | 5 | ☹ |
| ★ TC620-UNC7/8-WVD- | UNC 7/8-9 | 9 | 18.2 | 5.64 | 45.2 | 84.3 | 89 | 145 | 24.4 | 25 | 5 | ☹ |

Ordering example for the grade WB10TJ: TC620-UNC1/2-WVD-WB10TJ

C3

WALTER SELECT

Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ / ★

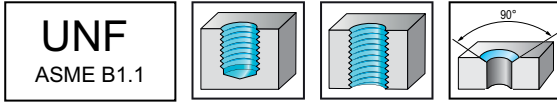
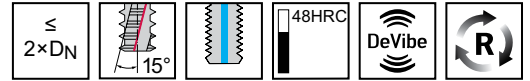
●● Primary application ● Other application

Multiple-row thread milling cutters

TC620 Supreme



- with countersink
- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



| | | | | | | | |
|----------------|----|----|----|----|----|---|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | | ● |

| Tool | Designation | D _N | Thread per inch | D _c mm | l ₂₁ mm | L _c mm | l ₃ mm | l ₄ mm | l ₁ mm | d ₂ mm | d ₁ h6 mm | Z | WB10TJ |
|--------------------|----------------------|----------------|-----------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| | | | | | | | | | | | | | |
| <p>DIN 6535 HB</p> | ★ TC620-UNF10-WVD- | UNF #10-32 | 32 | 3.7 | 1.59 | 10.3 | 19.1 | 21 | 57 | 5.5 | 6 | 3 | ☹ |
| | ★ TC620-UNF1/4-WVD- | UNF 1/4-28 | 28 | 5.1 | 1.81 | 12.7 | 24 | 27 | 63 | 7.1 | 8 | 4 | ☹ |
| | ★ TC620-UNF5/16-WVD- | UNF 5/16-24 | 24 | 6.4 | 2.12 | 15.9 | 30 | 32 | 72 | 8.8 | 10 | 4 | ☹ |
| | ★ TC620-UNF3/8-WVD- | UNF 3/8-24 | 24 | 7.9 | 2.12 | 19.1 | 35.7 | 38 | 83 | 10.4 | 12 | 5 | ☹ |
| | ★ TC620-UNF7/16-WVD- | UNF 7/16-20 | 20 | 9.2 | 2.54 | 22.9 | 42.3 | 47 | 92 | 12.1 | 14 | 5 | ☹ |
| | ★ TC620-UNF1/2-WVD- | UNF 1/2-20 | 20 | 10.7 | 2.54 | 25.4 | | 50 | 95 | | 14 | 5 | ☹ |
| | ★ TC620-UNF9/16-WVD- | UNF 9/16-18 | 18 | 12.1 | 2.82 | 29.6 | 54.3 | 59 | 107 | 15.4 | 16 | 5 | ☹ |
| | ★ TC620-UNF5/8-WVD- | UNF 5/8-18 | 18 | 13.5 | 2.82 | 32.5 | 59.7 | 62 | 112 | 17 | 18 | 6 | ☹ |
| | ★ TC620-UNF3/4-WVD- | UNF 3/4-16 | 16 | 16.4 | 3.18 | 38.1 | | 79 | 135 | | 25 | 6 | ☹ |

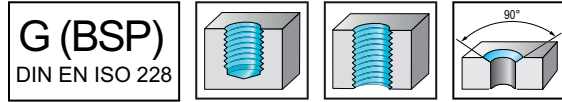
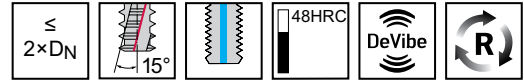
Ordering example for the grade WB10TJ: TC620-UNF1/2-WVD-WB10TJ

Multiple-row thread milling cutters

TC620 Supreme



- with countersink
- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



G (BSP)
DIN EN ISO 228

| | | | | | | | |
|----------------|----|----|----|----|----|----|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | ●● | ● |

| Tool | Designation | D _N | Thread per inch | D _c mm | l ₂₁ mm | L _c mm | l ₃ mm | l ₄ mm | l ₁ mm | d ₂ mm | d ₁ h6 mm | Z | WB10TJ |
|--------------------|--------------------|----------------|-----------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| | | | | | | | | | | | | | |
| <p>DIN 6535 HB</p> | ★ TC620-G1/16-WVD- | G 1/16-28 | 28 | 6.4 | 1.81 | 15.4 | 29 | 32 | 72 | 8.4 | 10 | 5 | ☹ |
| | ★ TC620-G1/8-WVD- | G 1/8-28 | 28 | 8.2 | 1.81 | 20 | 36.7 | 38 | 83 | 10.4 | 12 | 5 | ☹ |
| | ★ TC620-G1/4-WVD- | G 1/4-19 | 19 | 11.1 | 2.67 | 26.7 | 49.5 | 54 | 102 | 14.2 | 16 | 5 | ☹ |
| | ★ TC620-G3/8-WVD- | G 3/8-19 | 19 | 14.4 | 2.67 | 33.4 | | 59 | 107 | | 18 | 6 | ☹ |
| | ★ TC620-G1/2-WVD- | G 1/2-14 | 14 | 17.9 | 3.63 | 43.5 | 79.4 | 84 | 140 | 22.4 | 25 | 6 | ☹ |

Ordering example for the grade WB10TJ: TC620-G1/16-WVD-WB10TJ

C3

WALTER SELECT

Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ / ★

●● Primary application ● Other application

Drill thread milling cutters

| | | | | | |
|--------------|--------------------|--------------------|--------------------|----------------------|----------------------|
| Machining | | | | | |
| Thread depth | 2 x D _N | 2 x D _N | 2 x D _N | 2,5 x D _N | 2,5 x D _N |

NEW



| Designation | TC685 Supreme | TMD | Thrill-tec® | TC685 Supreme | Thrill-tec® |
|--------------------------------------------------------------------------|------------------|-----------|-------------|------------------|-------------|
| Thread type | | | | | |
| M | ✓ | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | | ✓ | ✓ | ✓ |
| UNC / UNF / UN-8 | | | ✓ | | ✓ |
| G / Rc / Rp | ✓ | | ✓ | | |
| MJ / UNJC / UNJF | | | | | |
| NPT / NPTF | | | | | |
| Pg / BSW / Tr | | | | | |
| STI / Eg / thread insert | ✓ | | ✓ | ✓ | ✓ |
| Additional services | | | | | |
| Coolant supply | External / axial | axial | axial | External / axial | axial |
| Coating / grade | WB10RC | NHC / TAX | WB10TJ | WB10RC | WB10TJ |
| Cutting tool material | VHM | VHM | VHM | VHM | VHM |
| P Steel | ● | | ●● | ● | ●● |
| M Stainless steel | | | ●● | | ●● |
| K Cast iron | ● | ●● | ●● | ● | ●● |
| N NF metals | | ●● | ●● | | ●● |
| S Materials with difficult cutting properties | ● | | ●● | ● | ●● |
| H Hard materials | ●● | | | ●● | |
| O Other | | | ● | | ● |
| Page in catalog | | | 270 | | 271 |
| QR code | | | | | |
| www.walter-tools.com/woc/ | TC685 | tmd | TC645 | TC685 | TC645 |

C3

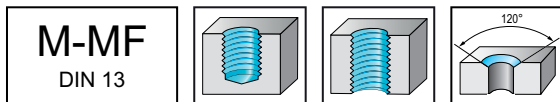
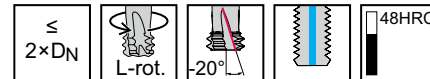
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec®



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



| | | | | | | | |
|----------------|----|----|----|----|----|---|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | | ● |

| Tool | Designation | D _N | P mm | D _c mm | L _{c2} mm | l ₃ mm | l ₁ mm | l ₄ mm | d ₁ h6 mm | Z | WB10TJ |
|--------------------|----------------|----------------|------|-------------------|--------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| <p>DIN 6535 HA</p> | TC645-M4-A1D- | M 4 | 0.7 | 3.05 | 1.12 | 8 | 50 | 14 | 6 | 4 | ☺ |
| | TC645-M5-A1D- | M 5 | 0.8 | 3.9 | 1.29 | 10 | 50 | 14 | 6 | 4 | ☺ |
| | TC645-M6-A1D- | M 6 | 1 | 4.5 | 1.6 | 12 | 50 | 14 | 6 | 4 | ☺ |
| | TC645-M8-A1D- | M 8 | 1.25 | 6.2 | 2.01 | 16 | 63 | 27 | 8 | 4 | ☺ |
| | TC645-M10-A1D- | M 10 | 1.5 | 7.8 | 2.22 | 20 | 63 | 27 | 8 | 4 | ☺ |
| | TC645-M12-A1D- | M 12 | 1.75 | 8.7 | 2.83 | 24 | 72 | 32 | 10 | 4 | ☺ |
| | TC645-M14-A1D- | M 14 | 2 | 10.2 | 3.24 | 28 | 83 | 38 | 12 | 4 | ☺ |
| | TC645-M16-A1D- | M 16 | 2 | 12 | 3.27 | 32 | 83 | 38 | 12 | 4 | ☺ |
| | TC645-M20-A1D- | M 20 | 2.5 | 14.9 | 4.09 | 40 | 105 | 57 | 16 | 4 | ☺ |

Maximum nominal thread diameter for fine thread: $D_c \times 1.94$ | Example: TC645-M8.. /6.2 mm $\times 1.94 = 12.03$ mm/MF 12 \times 1.25 possible | Ordering example for the grade WB10TJ: TC645-M10-A1D-WB10TJ

C3

WALTER
SELECT

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

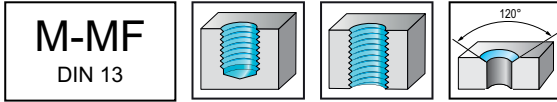
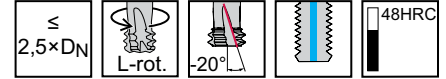
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec®



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



| | | | | | | | |
|----------------|----|----|----|----|----|---|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | | ● |

| Tool | Designation | D _N | P mm | D _c mm | L _{c2} mm | l ₃ mm | l ₁ mm | l ₄ mm | d ₁ h6 mm | Z | WB10TJ |
|--------------------|----------------|----------------|------|-------------------|--------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| <p>DIN 6535 HA</p> | TC645-M4-A1E- | M 4 | 0.7 | 3.05 | 1.12 | 10 | 50 | 14 | 6 | 4 | ☺ |
| | TC645-M5-A1E- | M 5 | 0.8 | 3.9 | 1.29 | 12.5 | 57 | 21 | 6 | 4 | ☺ |
| | TC645-M6-A1E- | M 6 | 1 | 4.5 | 1.6 | 15 | 57 | 21 | 6 | 4 | ☺ |
| | TC645-M8-A1E- | M 8 | 1.25 | 6.2 | 2.01 | 20 | 63 | 27 | 8 | 4 | ☺ |
| | TC645-M10-A1E- | M 10 | 1.5 | 7.8 | 2.42 | 25 | 63 | 27 | 8 | 4 | ☺ |
| | TC645-M12-A1E- | M 12 | 1.75 | 8.7 | 2.83 | 30 | 72 | 33 | 10 | 4 | ☺ |
| | TC645-M14-A1E- | M 14 | 2 | 10.2 | 3.24 | 35 | 100 | 55 | 12 | 4 | ☺ |
| | TC645-M16-A1E- | M 16 | 2 | 12 | 3.27 | 40 | 100 | 55 | 12 | 4 | ☺ |
| | TC645-M20-A1E- | M 20 | 2.5 | 14.9 | 4.09 | 50 | 107 | 59 | 16 | 4 | ☺ |

Maximum nominal thread diameter for fine thread: D_c x 1.94 | Example: TC645-M8.. /6.2 mm x 1.94 = 12.03 mm/MF 12x1.25 possible | Ordering example for the grade WB10TJ: TC645-M10-A1E-WB10TJ

C3

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

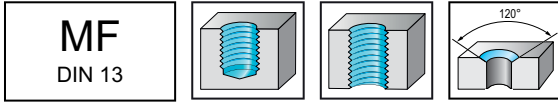
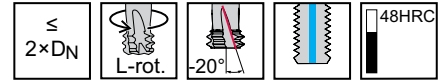
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec®

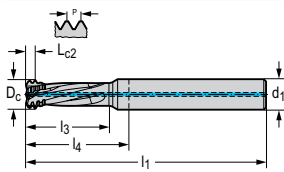


- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



| | | | | | | | |
|----------------|----|----|----|----|----|----|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | ●● | ● |

Tool



DIN 6535 HA

| Designation | D _N | P mm | D _c mm | L _{c2} mm | l ₃ mm | l ₁ mm | l ₄ mm | d ₁ h6 mm | Z | WB10TJ |
|----------------------|----------------|------|-------------------|--------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| ★ TC645-M4X0.5-A1D- | MF 4X0.5 | 0.5 | 3.25 | 0.82 | 8 | 50 | 14 | 6 | 4 | ☹ |
| ★ TC645-M6X0.75-A1D- | MF 6X0.75 | 0.75 | 4.8 | 1.23 | 12 | 52 | 16 | 6 | 4 | ☹ |
| ★ TC645-M8X1-A1D- | MF 8X1 | 1 | 6.4 | 1.63 | 16 | 63 | 27 | 8 | 4 | ☹ |
| ★ TC645-M10X1-A1D- | MF 10X1 | 1 | 8.2 | 1.66 | 20 | 63 | 27 | 8 | 4 | ☹ |
| ★ TC645-M10X1.25A1D- | MF 10X1.25 | 1.25 | 8 | 2.04 | 20 | 63 | 27 | 8 | 4 | ☹ |
| ★ TC645-M12X1-A1D- | MF 12X1 | 1 | 9.4 | 1.69 | 24 | 72 | 32 | 10 | 4 | ☹ |
| ★ TC645-M12X1.25A1D- | MF 12X1.25 | 1.25 | 9.2 | 2.07 | 24 | 72 | 32 | 10 | 4 | ☹ |
| ★ TC645-M12X1.5-A1D- | MF 12X1.5 | 1.5 | 9 | 2.45 | 24 | 72 | 32 | 10 | 4 | ☹ |
| ★ TC645-M14X1.5-A1D- | MF 14X1.5 | 1.5 | 10.7 | 2.48 | 28 | 83 | 38 | 12 | 4 | ☹ |
| ★ TC645-M16X1.5-A1D- | MF 16X1.5 | 1.5 | 12.5 | 2.51 | 32 | 80 | 35 | 14 | 4 | ☹ |
| ★ TC645-M18X1.5-A1D- | MF 18X1.5 | 1.5 | 14.2 | 2.54 | 36 | 92 | 44 | 16 | 4 | ☹ |
| ★ TC645-M20X1.5-A1D- | MF 20X1.5 | 1.5 | 15.9 | 2.57 | 40 | 92 | 44 | 16 | 4 | ☹ |

Ordering example for the grade WB10TJ: TC645-M10X1-A1D-WB10TJ

C3

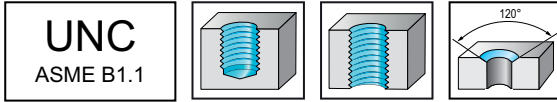
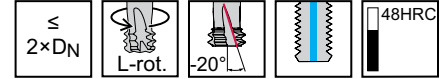
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec®



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



| | | | | | | | |
|----------------|----|----|----|----|----|---|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | | ● |

| Tool | Designation | D _N | Thread per inch | D _c mm | L _{c2} mm | l ₃ mm | l ₁ mm | l ₄ mm | d ₁ h6 mm | Z | WB10TJ |
|--------------------|--------------------|----------------|-----------------|-------------------|--------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| <p>DIN 6535 HA</p> | TC645-UNC8-A1D- | UNC #8-32 | 32 | 3.1 | 1.26 | 8.3 | 50 | 14 | 6 | 4 | ☺ |
| | TC645-UNC10-A1D- | UNC #10-24 | 24 | 3.5 | 1.67 | 9.7 | 50 | 14 | 6 | 4 | ☺ |
| | TC645-UNC1/4-A1D- | UNC 1/4-20 | 20 | 4.6 | 2.02 | 12.7 | 57 | 21 | 6 | 4 | ☺ |
| | TC645-UNC5/16-A1D- | UNC 5/16-18 | 18 | 5.9 | 2.25 | 15.9 | 57 | 21 | 6 | 4 | ☺ |
| | TC645-UNC3/8-A1D- | UNC 3/8-16 | 16 | 7.2 | 2.54 | 19.1 | 63 | 27 | 8 | 4 | ☺ |
| | TC645-UNC7/16-A1D- | UNC 7/16-14 | 14 | 8.5 | 2.91 | 22.2 | 72 | 32 | 10 | 4 | ☺ |
| | TC645-UNC1/2-A1D- | UNC 1/2-13 | 13 | 9.2 | 3.15 | 25.4 | 72 | 32 | 10 | 4 | ☺ |
| | TC645-UNC9/16-A1D- | UNC 9/16-12 | 12 | 10.4 | 3.42 | 28.6 | 83 | 38 | 12 | 4 | ☺ |
| | TC645-UNC5/8-A1D- | UNC 5/8-11 | 11 | 11.6 | 3.73 | 31.8 | 83 | 38 | 12 | 4 | ☺ |
| | TC645-UNC3/4-A1D- | UNC 3/4-10 | 10 | 14.1 | 4.13 | 38.1 | 105 | 57 | 16 | 4 | ☺ |

Ordering example for the grade WB10TJ: TC645-UNC1/2-A1D-WB10TJ

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

C3

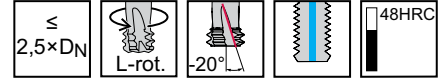
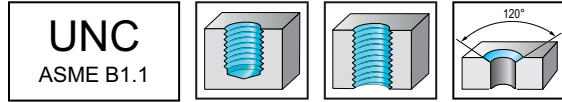
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec®



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



| | | | | | | | |
|----------------|----|----|----|----|----|----|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | ●● | ● |

| Tool | Designation | D _N | Thread per inch | D _c mm | L _{c2} mm | l ₃ mm | l ₁ mm | l ₄ mm | d ₁ h6 mm | Z | WB10TJ |
|--------------------|--------------------|----------------|-----------------|-------------------|--------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| <p>DIN 6535 HA</p> | TC645-UNC8-A1E- | UNC #8-32 | 32 | 3.1 | 1.26 | 10.4 | 50 | 14 | 6 | 4 | ☺ |
| | TC645-UNC10-A1E- | UNC #10-24 | 24 | 3.5 | 1.67 | 12.1 | 57 | 21 | 6 | 4 | ☺ |
| | TC645-UNC1/4-A1E- | UNC 1/4-20 | 20 | 4.6 | 2.02 | 15.9 | 57 | 21 | 6 | 4 | ☺ |
| | TC645-UNC5/16-A1E- | UNC 5/16-18 | 18 | 5.9 | 2.25 | 19.8 | 57 | 22 | 6 | 4 | ☺ |
| | TC645-UNC3/8-A1E- | UNC 3/8-16 | 16 | 7.2 | 2.54 | 23.8 | 63 | 27 | 8 | 4 | ☺ |
| | TC645-UNC7/16-A1E- | UNC 7/16-14 | 14 | 8.5 | 2.91 | 27.8 | 72 | 32 | 10 | 4 | ☺ |
| | TC645-UNC1/2-A1E- | UNC 1/2-13 | 13 | 9.2 | 3.15 | 31.8 | 80 | 40 | 10 | 4 | ☺ |
| | TC645-UNC9/16-A1E- | UNC 9/16-12 | 12 | 10.4 | 3.42 | 35.7 | 100 | 55 | 12 | 4 | ☺ |
| | TC645-UNC5/8-A1E- | UNC 5/8-11 | 11 | 11.6 | 3.73 | 39.7 | 100 | 55 | 12 | 4 | ☺ |
| | TC645-UNC3/4-A1E- | UNC 3/4-10 | 10 | 14.1 | 4.13 | 47.6 | 107 | 59 | 16 | 4 | ☺ |

Ordering example for the grade WB10TJ: TC645-UNC1/2-A1E-WB10TJ

C3

WALTER SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ / ★

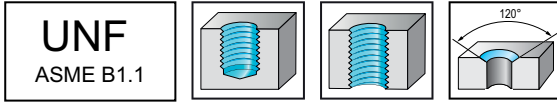
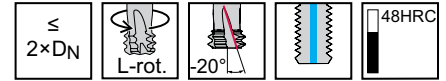
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec®



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



| | | | | | | | |
|----------------|----|----|----|----|----|---|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | | ● |

| Tool | Designation | D _N | Thread per inch | D _c mm | L _{c2} mm | l ₃ mm | l ₁ mm | l ₄ mm | d ₁ h6 mm | Z | WB10TJ |
|--------------------|----------------------|----------------|-----------------|-------------------|--------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| <p>DIN 6535 HA</p> | ★ TC645-UNF8-A1D- | UNF #8-36 | 36 | 3.2 | 1.13 | 8.3 | 50 | 14 | 6 | 4 | ☹ |
| | ★ TC645-UNF10-A1D- | UNF #10-32 | 32 | 3.75 | 1.27 | 9.7 | 50 | 14 | 6 | 4 | ☹ |
| | ★ TC645-UNF1/4-A1D- | UNF 1/4-28 | 28 | 5 | 1.47 | 12.7 | 57 | 21 | 6 | 4 | ☹ |
| | ★ TC645-UNF5/16-A1D- | UNF 5/16-24 | 24 | 6.3 | 1.72 | 15.9 | 63 | 27 | 8 | 4 | ☹ |
| | ★ TC645-UNF3/8-A1D- | UNF 3/8-24 | 24 | 7.8 | 1.74 | 19.1 | 63 | 27 | 8 | 4 | ☹ |
| | ★ TC645-UNF7/16-A1D- | UNF 7/16-20 | 20 | 8.95 | 2.09 | 22.2 | 72 | 32 | 10 | 4 | ☹ |
| | ★ TC645-UNF1/2-A1D- | UNF 1/2-20 | 20 | 9.8 | 2.11 | 25.4 | 72 | 32 | 10 | 4 | ☹ |
| | ★ TC645-UNF9/16-A1D- | UNF 9/16-18 | 18 | 11 | 2.35 | 28.6 | 83 | 38 | 12 | 4 | ☹ |
| | ★ TC645-UNF5/8-A1D- | UNF 5/8-18 | 18 | 12.4 | 2.38 | 31.8 | 80 | 35 | 14 | 4 | ☹ |
| | ★ TC645-UNF3/4-A1D- | UNF 3/4-16 | 16 | 15 | 2.69 | 38.1 | 92 | 44 | 16 | 4 | ☹ |

Ordering example for the grade WB10TJ: TC645-UNF1/2-A1D-WB10TJ

WALTER SELECT ●● Primary application ● Other application

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

C3

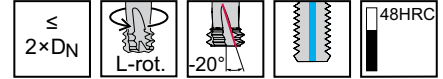
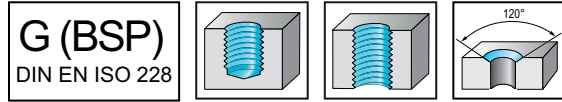
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec®



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



| | | | | | | | |
|----------------|----|----|----|----|----|---|---|
| | P | M | K | N | S | H | O |
| WB10TJ (AlTiN) | ●● | ●● | ●● | ●● | ●● | | ● |

| Tool | Designation | D _N | Thread per inch | D _c mm | L _{c2} mm | l ₃ mm | l ₁ mm | l ₄ mm | d ₁ h6 mm | Z | WB10TJ |
|------|------------------|----------------|-----------------|-------------------|--------------------|-------------------|-------------------|-------------------|----------------------|---|--------|
| | TC645-G1/16-A1D- | G 1/16-28 | 28 | 6.2 | 1.44 | 15.4 | 58 | 22 | 8 | 4 | ☺ |
| | TC645-G1/8-A1D- | G 1/8-28 | 28 | 8.05 | 1.46 | 19.5 | 64 | 24 | 10 | 4 | ☺ |
| | TC645-G1/4-A1D- | G 1/4-19 | 19 | 10.2 | 2.15 | 26.4 | 77 | 32 | 12 | 4 | ☺ |
| | TC645-G1/2-A1D- | G 1/2-14 | 14 | 16.4 | 2.95 | 41.9 | 105 | 57 | 18 | 4 | ☺ |

DIN 6535 HA

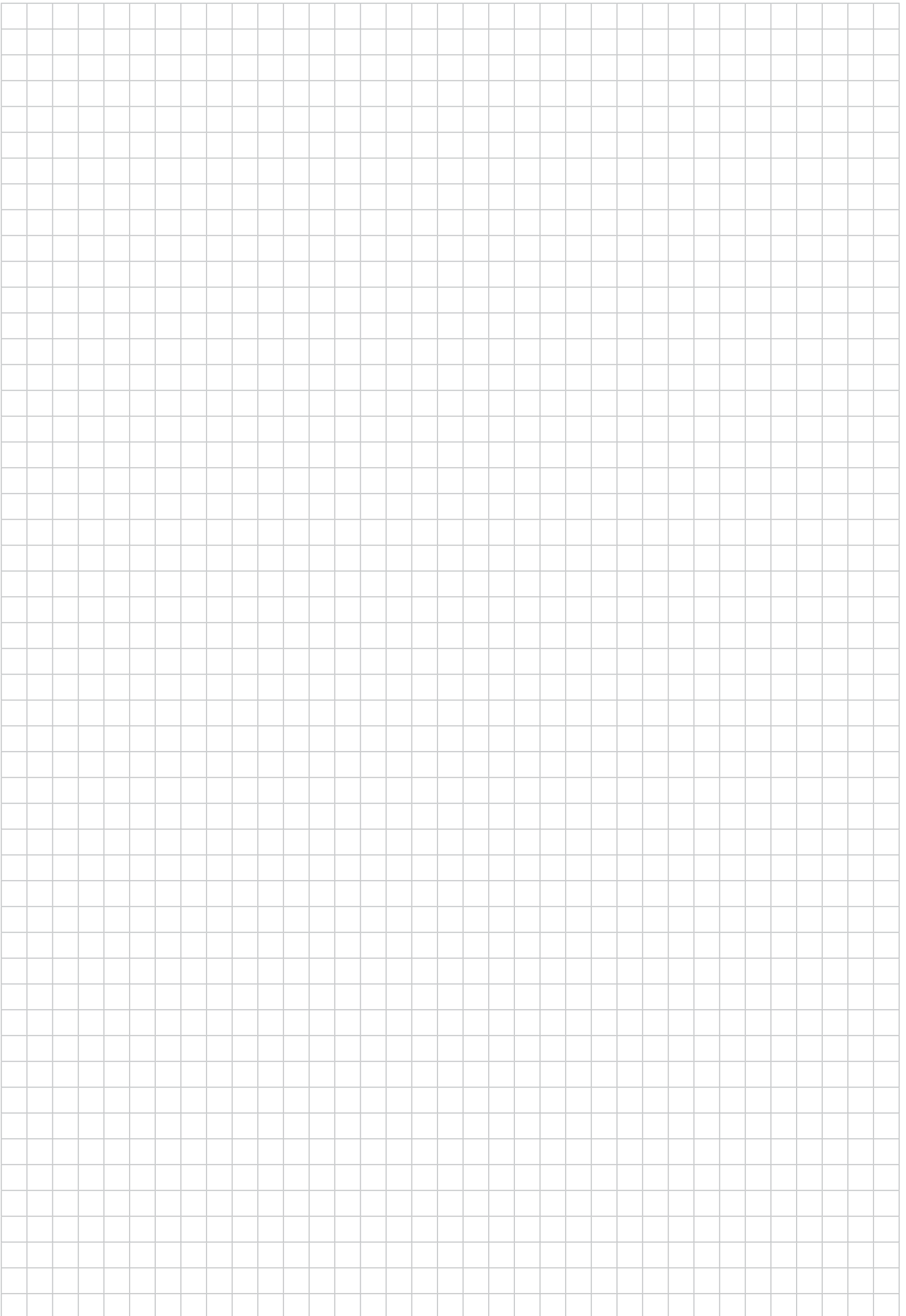
Ordering example for the grade WB10TJ: TC645-G1/16-A1D-WB10TJ

C3

WALTER SELECT

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

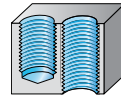
●● Primary application ● Other application



C3

Orbital thread milling cutters

Machining



Thread depth

 $2 \times D_N$
 $2,5 \times D_N$
 $3 \times D_N$
 $4 \times D_N$


| Designation | TC630 Supreme | TC630 Supreme | TC630 Supreme | TC630 Supreme |
|------------------------------------------------------|------------------|---------------|------------------|---------------|
| Thread type | | | | |
| M | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | ✓ | ✓ | ✓ |
| UNC / UNF / UN-8 | ✓ | | ✓ | |
| G / Rc / Rp | | | | |
| MJ / UNJC / UNJF | | | ✓ | |
| NPT / NPTF | | | | |
| Pg / BSW / Tr | | | | |
| STI / Eg / thread insert | ✓ | ✓ | ✓ | ✓ |
| Additional services | | | | |
| Coolant supply | External / axial | External | External / axial | axial |
| Coating / grade | WB10RA / WB10TJ | WB10TJ | WB10RA / WB10TJ | WB10TJ |
| Cutting tool material | VHM | VHM | VHM | VHM |
| P Steel | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● |
| H Hard materials | | | | |
| O Other | ● | ● | ● | ● |

Page in catalog

QR code


www.walter-tools.com/woc/

TC630

TC630

TC630

TC630

Thread milling cutters with indexable insert

Machining

| Thread depth | 1,5 x D _N | 2 x D _N | 2,5 x D _N | 3 x D _N |
|--------------|----------------------|--------------------|----------------------|--------------------|
|--------------|----------------------|--------------------|----------------------|--------------------|



| Designation | T2710 | T2711 | T2712 | T2713 |
|--------------------------------------------------------------------------|--------|--------|--------|--------|
| Thread type | | | | |
| M | ✓ | ✓ | ✓ | ✓ |
| MF | ✓ | ✓ | ✓ | ✓ |
| UNC / UNF / UN-8 | ✓ | ✓ | ✓ | ✓ |
| G / Rc / Rp | | | ✓ | ✓ |
| MJ / UNJC / UNJF | | | | |
| NPT / NPTF | | | | |
| Pg / BSW / Tr | | | | |
| STI / Eg / thread insert | ✓ | ✓ | ✓ | ✓ |
| Additional services | | | | |
| Coolant supply | radial | radial | radial | radial |
| Coating / grade | | | | |
| Cutting tool material | Steel | Steel | Steel | Steel |
| P Steel | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● |
| N NF metals | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● |
| H Hard materials | ● | ● | ● | ● |
| O Other | ● | ● | ● | ● |
| Page in catalog | 280 | 284 | 292 | 294 |
| QR code | | | | |
| www.walter-tools.com/woc/ | T2710 | T2711 | T2712 | T2713 |

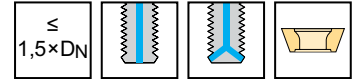
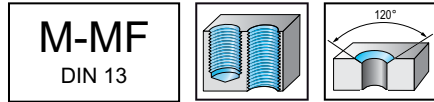
C3

Indexable insert thread milling cutter

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 | Number of inserts | Type |
|-------------------|------------------------|----------------|------------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|---|----------------------|--------------|
| <p>DIN 1835 B</p> | T2710-17-W16-3-06-2-15 | M 20 | 2.5 | 16.5 | 15 | 33 | 88 | 16 | 3 | 6 | P26300-06 .. |
| | T2710-19-W20-3-06-3-12 | M 24 | 3 | 19 | 12 | 39.1 | 98 | 20 | 3 | 9 | P26300-06 .. |
| <p>DIN 1835 B</p> | T2710-24-W25-3-09-3-14 | M 30 | 3.5 | 24 | 14 | 49.5 | 117 | 25 | 3 | 9 | P26300-09 .. |
| | T2710-29-W32-3-09-3-16 | M 36 | 4 | 29 | 16 | 58.5 | 131 | 32 | 3 | 9 | P26300-09 .. |
| | T2710-35-W32-3-11-3-18 | M 42 | 4.5 | 35 | 18 | 68.5 | 139 | 32 | 3 | 9 | P26300-11 .. |
| | T2710-40-W40-3-14-3-20 | M 48 | 5 | 40 | 20 | 79 | 163 | 40 | 3 | 9 | P26300-14 .. |
| | T2710-44-W40-3-14-3-22 | M 56 | 5.5 | 44 | 22 | 91 | 174 | 40 | 3 | 9 | P26300-14 .. |
| | T2710-52-W40-4-14-3-24 | M 64 | 6 | 52 | 24 | 103 | 185 | 40 | 4 | 12 | P26300-14 .. |

Adjustable coolant supply: remove front coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

C3

Assembly parts

| D _c [mm] | 16.5–19 | 24–29 | 35 | 40–52 |
|----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| Clamping screw for indexable insert Tightening torque | FS2147 (T6IP) 0.6 Nm | FS2111 (T7IP) 0.9 Nm | FS2061 (T7IP) 0.9 Nm | FS1457 (T9IP) 2 Nm |

Accessories

| D _c [mm] | 16.5–19 | 24–35 | 40–52 |
|-----------------------------|---------------|---------------|---------------|
| Torque screwdriver, analog | FS2001 | FS2001 | FS2003 |
| Torque screwdriver, digital | | | FS2248 |
| Interchangeable blade | FS2085 (T6IP) | FS2011 (T7IP) | FS2013 (T9IP) |
| Screwdriver | FS2086 (T6IP) | FS2088 (T7IP) | FS1484 (T9IP) |

Indexable inserts

| Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|------------------|------|---------|-----------------|------------------|---------|----------------------------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | HC | HC | HC | HC | HC |
| | | | | | | | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-06005-D61 | 06 | 0.06 | 0.90–1.60 | 16–28 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0601-D61 | 06 | 0.1 | 1.40–2.90 | 9–18 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0602-D61 | 06 | 0.2 | 3.00–3.20 | 8 | 6.58 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-09005-D61 | 09 | 0.06 | 0.90–1.60 | 16–28 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0901-D61 | 09 | 0.1 | 1.40–2.90 | 9–18 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0902-D61 | 09 | 0.2 | 3.00–4.30 | 6–8 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-11005-D61 | 11 | 0.06 | 0.90–1.60 | 16–28 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1101-D61 | 11 | 0.1 | 1.40–2.90 | 9–18 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1102-D61 | 11 | 0.2 | 3.00–4.50 | 6–8 | 10.71 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-14005-D61 | 14 | 0.06 | 0.90–1.60 | 16–28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1401-D61 | 14 | 0.1 | 1.40–2.90 | 9–18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1402-D61 | 14 | 0.2 | 3.00–5.20 | 5–8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1404-D61 | 14 | 0.4 | 5.50–6.40 | 4–5 | 13.43 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-06005-D67 | 06 | 0.06 | 0.90–1.60 | 16–28 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0601-D67 | 06 | 0.1 | 1.40–2.90 | 9–18 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0602-D67 | 06 | 0.2 | 3.00–3.20 | 8 | 6.58 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-09005-D67 | 09 | 0.06 | 0.90–1.60 | 16–28 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0901-D67 | 09 | 0.1 | 1.40–2.90 | 9–18 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0902-D67 | 09 | 0.2 | 3.00–4.30 | 6–8 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1102-D67 | 11 | 0.2 | 3.00–4.50 | 6–8 | 10.71 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-14005-D67 | 14 | 0.06 | 0.90–1.60 | 16–28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1401-D67 | 14 | 0.1 | 1.40–2.90 | 9–18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1402-D67 | 14 | 0.2 | 3.00–5.20 | 5–8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1404-D67 | 14 | 0.4 | 5.50–6.40 | 4–5 | 13.43 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ |

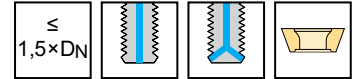
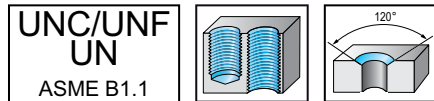
HC = Coated carbide

Indexable insert thread milling cutter

T2710 mm



- 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 in | D _c mm | l ₂₁ mm | l ₃ mm | l ₁ mm | d ₁ mm | Z | Number of inserts | Type |
|----------------|--------------------------|----------------|-------------------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|---|-------------------|--------------|
| DIN 1835 B | T2710-18-W16-3-06-2-11.3 | UNC 7/8-9 | 9 | 18 | 11.3 | 36.5 | 92 | 16 | 3 | 6 | P26300-06 .. |
| | T2710-20-W20-3-06-3-12.7 | UNC 1-8 | 8 | 20 | 12.7 | 41.1 | 100 | 20 | 3 | 9 | P26300-06 .. |
| DIN 1835 B | T2710-26-W25-3-09-3-12.7 | UN 1.1/4-8 | 8 | 26 | 12.7 | 52.2 | 119 | 25 | 3 | 9 | P26300-09 .. |
| | T2710-31-W32-3-09-3-19.1 | UN 1.1/2-8 | 8 | 31 | 19.1 | 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 | |

Adjustable coolant supply: remove front coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

C3

Assembly parts

| | D _c [mm] | 18–20 | 26–43 |
|--|----------------------------------------------------------|-------------------------|-------------------------|
| | Clamping screw for indexable insert Tightening torque | FS2147 (T6IP) 0.6 Nm | FS2111 (T7IP) 0.9 Nm |

Accessories

| | D _c [mm] | 18–20 | 26–43 |
|--|----------------------------|---------------|---------------|
| | Torque screwdriver, analog | FS2001 | FS2001 |
| | Interchangeable blade | FS2085 (T6IP) | FS2011 (T7IP) |
| | Screwdriver | FS2086 (T6IP) | FS2088 (T7IP) |

Indexable inserts

| Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|-------------|------------------|---------|-----------------|------------------|---------|----------------------------|----|----|----|----|----|----|
| | | | | | | | HC | HC | HC | HC | HC | HC |
| | P26300-06005-D61 | 06 | 0.06 | 0.90–1.60 | 16–28 | 3 | | | | | | |
| | P26300-0601-D61 | 06 | 0.1 | 1.40–2.90 | 9–18 | 3 | | | | | | |
| | P26300-0602-D61 | 06 | 0.2 | 3.00–3.20 | 8 | 3 | | | | | | |
| | P26300-09005-D61 | 09 | 0.06 | 0.90–1.60 | 16–28 | 3 | | | | | | |
| | P26300-0901-D61 | 09 | 0.1 | 1.40–2.90 | 9–18 | 3 | | | | | | |
| | P26300-0902-D61 | 09 | 0.2 | 3.00–4.30 | 6–8 | 3 | | | | | | |
| | P26300-06005-D67 | 06 | 0.06 | 0.90–1.60 | 16–28 | 3 | | | | | | |
| | P26300-0601-D67 | 06 | 0.1 | 1.40–2.90 | 9–18 | 3 | | | | | | |
| | P26300-0602-D67 | 06 | 0.2 | 3.00–3.20 | 8 | 3 | | | | | | |
| | P26300-09005-D67 | 09 | 0.06 | 0.90–1.60 | 16–28 | 3 | | | | | | |
| | P26300-0901-D67 | 09 | 0.1 | 1.40–2.90 | 9–18 | 3 | | | | | | |
| | P26300-0902-D67 | 09 | 0.2 | 3.00–4.30 | 6–8 | 3 | | | | | | |

HC = Coated carbide

C3

WALTER SELECT

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

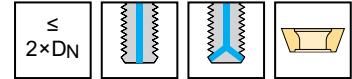
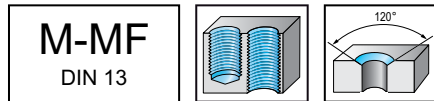
/ * = New addition to the product range

Thread milling cutters with indexable inserts

Indexable insert thread milling cutter

T2711 mm


- 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_{z1} mm | l_3 mm | l_1 mm | d_1 mm | Z | Number of inserts | Type |
|----------------|--------------------------|-------|-----------------|-------------|----------------|-------------|-------------|-------------|---|-------------------|--------------|
| DIN 1835 B | T2711-13-W16-1-06 | M 16 | 2 | 13 | | 35 | 92 | 16 | 1 | 1 | P26300-06 .. |
| | T2711-15-W16-2-06 | M 18 | 2.5 | 14.5 | | 39 | 95 | 16 | 2 | 2 | P26300-06 .. |
| DIN 1835 B | T2711-17-W16-3-06-2-20 | M 20 | 2.5 | 16.5 | 20 | 43 | 98 | 16 | 3 | 6 | P26300-06 .. |
| | T2711-19-W20-3-06-2-24 | M 24 | 3 | 19 | 24 | 51 | 110 | 20 | 3 | 6 | P26300-09 .. |
| | T2711-24-W25-3-09-2-31.5 | M 30 | 3.5 | 24 | 31.5 | 64.5 | 132 | 25 | 3 | 6 | P26300-14 .. |
| | T2711-52-W40-4-14-2-60 | M 64 | 6 | 52 | 60 | 135 | 217 | 40 | 4 | 8 | P26300-14 .. |
| DIN 1835 B | T2711-29-W32-3-09-3-24 | M 36 | 4 | 29 | 24 | 72.1 | 149 | 32 | 3 | 9 | P26300-09 .. |
| | T2711-35-W32-3-11-3-27 | M 42 | 4.5 | 35 | 27 | 89.5 | 160 | 32 | 3 | 9 | P26300-11 .. |
| | T2711-40-W40-3-14-3-30 | M 48 | 5 | 40 | 30 | 103 | 187 | 40 | 3 | 9 | P26300-14 .. |
| | T2711-44-W40-3-14-3-33 | M 56 | 5.5 | 44 | 33 | 119 | 202 | 40 | 3 | 9 | P26300-14 .. |

Adjustable coolant supply: remove front coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| D _c [mm] | 13-19 | 24-29 | 35 | 40-52 |
|----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| Clamping screw for indexable insert Tightening torque | FS2147 (T6IP) 0.6 Nm | FS2111 (T7IP) 0.9 Nm | FS2061 (T7IP) 0.9 Nm | FS1457 (T9IP) 2 Nm |

Accessories

| D _c [mm] | 13-19 | 24-35 | 40-52 |
|-----------------------------|---------------|---------------|---------------|
| Torque screwdriver, analog | FS2001 | FS2001 | FS2003 |
| Torque screwdriver, digital | | | FS2248 |
| Interchangeable blade | FS2085 (T6IP) | FS2011 (T7IP) | FS2013 (T9IP) |
| Screwdriver | FS2086 (T6IP) | FS2088 (T7IP) | FS1484 (T9IP) |

Indexable inserts

| Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|------------------|------------------|------------------|-----------------|------------------|-----------|----------------------------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | HC | HC | HC | HC | HC |
| | | | | | | | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| | P26300-06005-D61 | 06 | 0.06 | 0.90-1.60 | 16-28 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0601-D61 | 06 | 0.1 | 1.40-2.90 | 9-18 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0602-D61 | 06 | 0.2 | 3.00-3.20 | 8 | 6.58 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-09005-D61 | 09 | 0.06 | 0.90-1.60 | 16-28 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0901-D61 | 09 | 0.1 | 1.40-2.90 | 9-18 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0902-D61 | 09 | 0.2 | 3.00-4.30 | 6-8 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-11005-D61 | 11 | 0.06 | 0.90-1.60 | 16-28 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1101-D61 | 11 | 0.1 | 1.40-2.90 | 9-18 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1102-D61 | 11 | 0.2 | 3.00-4.50 | 6-8 | 10.71 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-14005-D61 | 14 | 0.06 | 0.90-1.60 | 16-28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1401-D61 | 14 | 0.1 | 1.40-2.90 | 9-18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1402-D61 | 14 | 0.2 | 3.00-5.20 | 5-8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1404-D61 | 14 | 0.4 | 5.50-6.40 | 4-5 | 13.43 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | | P26300-06005-D67 | 06 | 0.06 | 0.90-1.60 | 16-28 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ |
| P26300-0601-D67 | | 06 | 0.1 | 1.40-2.90 | 9-18 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0602-D67 | | 06 | 0.2 | 3.00-3.20 | 8 | 6.58 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-09005-D67 | | 09 | 0.06 | 0.90-1.60 | 16-28 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0901-D67 | | 09 | 0.1 | 1.40-2.90 | 9-18 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0902-D67 | | 09 | 0.2 | 3.00-4.30 | 6-8 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1102-D67 | | 11 | 0.2 | 3.00-4.50 | 6-8 | 10.71 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-14005-D67 | | 14 | 0.06 | 0.90-1.60 | 16-28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1401-D67 | | 14 | 0.1 | 1.40-2.90 | 9-18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1402-D67 | | 14 | 0.2 | 3.00-5.20 | 5-8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1404-D67 | | 14 | 0.4 | 5.50-6.40 | 4-5 | 13.43 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = ☺

→ Good = ☹

→ Moderate = ☹

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

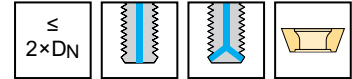
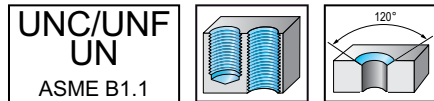
Thread milling cutters with indexable inserts

Indexable insert thread milling cutter

T2711 mm



- 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 in | D _c mm | l ₂₁ mm | l ₃ mm | l ₁ mm | d ₁ mm | Z | Number of inserts | Type |
|----------------|--------------------------|----------------|-------------------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|---|----------------------|--------------|
| DIN 1835 B | T2711-16-W16-2-06 | UNC 3/4-10 | 10 | 15.5 | | 41 | 97 | 16 | 2 | 2 | P26300-06 .. |
| | T2711-18-W16-3-06-2-25.4 | UNC 7/8-9 | 9 | 18 | 25.4 | 47.5 | 103 | 16 | 3 | 6 | P26300-06 .. |
| DIN 1835 B | T2711-20-W20-3-06-2-25.4 | UNC 1-8 | 8 | 20 | 25.4 | 53.9 | 113 | 20 | 3 | 6 | P26300-09 .. |
| | T2711-26-W25-3-09-2-32.7 | UNC 1.1/4-7 | 7 | 26 | 32.7 | 68 | 135 | 25 | 3 | 6 | P26300-09 .. |
| 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 | P26300-09 .. |

Adjustable coolant supply: remove front coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

C3

Assembly parts

| | D _c [mm] | 15.5–20 | 26–31 |
|--|----------------------------------------------------------|-------------------------|-------------------------|
| | Clamping screw for indexable insert Tightening torque | FS2147 (T6IP) 0.6 Nm | FS2111 (T7IP) 0.9 Nm |

Accessories

| | D _c [mm] | 15.5–20 | 26–31 |
|--|----------------------------|---------------|---------------|
| | Torque screwdriver, analog | FS2001 | FS2001 |
| | Interchangeable blade | FS2085 (T6IP) | FS2011 (T7IP) |
| | Screwdriver | FS2086 (T6IP) | FS2088 (T7IP) |

Indexable inserts

| Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|-------------|------------------|---------|-----------------|------------------|---------|----------------------------|----|----|----|----|----|----|
| | | | | | | | HC | HC | HC | HC | HC | HC |
| | P26300-06005-D61 | 06 | 0.06 | 0.90–1.60 | 16–28 | 3 | | | | | | |
| | P26300-0601-D61 | 06 | 0.1 | 1.40–2.90 | 9–18 | 3 | | | | | | |
| | P26300-0602-D61 | 06 | 0.2 | 3.00–3.20 | 8 | 3 | | | | | | |
| | P26300-09005-D61 | 09 | 0.06 | 0.90–1.60 | 16–28 | 3 | | | | | | |
| | P26300-0901-D61 | 09 | 0.1 | 1.40–2.90 | 9–18 | 3 | | | | | | |
| | P26300-0902-D61 | 09 | 0.2 | 3.00–4.30 | 6–8 | 3 | | | | | | |
| | P26300-06005-D67 | 06 | 0.06 | 0.90–1.60 | 16–28 | 3 | | | | | | |
| | P26300-0601-D67 | 06 | 0.1 | 1.40–2.90 | 9–18 | 3 | | | | | | |
| | P26300-0602-D67 | 06 | 0.2 | 3.00–3.20 | 8 | 3 | | | | | | |
| | P26300-09005-D67 | 09 | 0.06 | 0.90–1.60 | 16–28 | 3 | | | | | | |
| | P26300-0901-D67 | 09 | 0.1 | 1.40–2.90 | 9–18 | 3 | | | | | | |
| | P26300-0902-D67 | 09 | 0.2 | 3.00–4.30 | 6–8 | 3 | | | | | | |

HC = Coated carbide

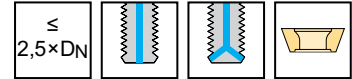
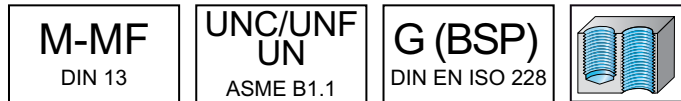
C3

Indexable insert thread milling cutter

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 _{z1} mm | L _c mm | l ₃ mm | l ₁ mm | d ₁ mm | Z | Number of inserts | Type | |
|-------------------|--|--------------------------|----------------|------------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|---|-------------------|--------------|--|
| <p>DIN 1835 B</p> | | T2712-13-W16-1-06 | M 16 | 2 | 13 | | | 43 | 100 | 16 | 1 | 1 | P26300-06 .. | |
| | | T2712-17-W16-3-06 | M 20 | 2.5 | 16.5 | | | 53 | 108 | 16 | 3 | 3 | | |
| | | T2712-19-W20-3-06 | M 24 | 3 | 19 | | | 63 | 123 | 20 | 3 | 3 | | |
| | | T2712-24-W25-3-09 | M 30 | 3.5 | 24 | | | 79.5 | 148 | 25 | 3 | 3 | P26300-09 .. | |
| | | T2712-29-W32-3-09 | M 36 | 4 | 29 | | | 94.5 | 167 | 32 | 3 | 3 | | |
| | | T2712-35-W32-3-11 | M 42 | 4.5 | 35 | | | 110.5 | 181 | 32 | 3 | 3 | P26300-11 .. | |
| | | T2712-40-W40-3-14 | M 48 | 5 | 40 | | | 127 | 211 | 40 | 3 | 3 | P26300-14 .. | |
| | | T2712-44-W40-3-14 | M 56 | 5.5 | 44 | | | 147 | 230 | 40 | 3 | 3 | | |
| <p>DIN 1835 B</p> | | T2712-24-W25-3-09-2-31.5 | M 30 | 3.5 | 24 | 31.5 | 63 | 79.5 | 147 | 25 | 3 | 6 | P26300-09 .. | |
| | | T2712-29-W32-3-09-2-36 | M 36 | 4 | 29 | 36 | 72 | 94.5 | 167 | 32 | 3 | 6 | | |
| | | T2712-35-W32-3-11-2-40.5 | M 42 | 4.5 | 35 | 40.5 | 81 | 110.5 | 180 | 32 | 3 | 6 | P26300-11 .. | |
| | | T2712-40-W40-3-14-2-50 | M 48 | 5 | 40 | 50 | 100 | 127 | 211 | 40 | 3 | 6 | P26300-14 .. | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

Adjustable coolant supply: remove front coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| D _c [mm] | 13-19 | 24-29 | 35 | 40-52 |
|----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| Clamping screw for indexable insert Tightening torque | FS2147 (T6IP) 0.6 Nm | FS2111 (T7IP) 0.9 Nm | FS2061 (T7IP) 0.9 Nm | FS1457 (T9IP) 2 Nm |

Accessories

| D _c [mm] | 13-19 | 24-35 | 40-52 |
|-----------------------------|---------------|---------------|---------------|
| Torque screwdriver, analog | FS2001 | FS2001 | FS2003 |
| Torque screwdriver, digital | | | FS2248 |
| Interchangeable blade | FS2085 (T6IP) | FS2011 (T7IP) | FS2013 (T9IP) |
| Screwdriver | FS2086 (T6IP) | FS2088 (T7IP) | FS1484 (T9IP) |

Indexable inserts

| Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|------------------|------------------|------------------|-----------------|------------------|----------|----------------------------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | HC | HC | HC | HC | HC |
| | | | | | | | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| | P26300-06005-D61 | 06 | 0.06 | 0.90-1.6 | 16-28 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0601-D61 | 06 | 0.1 | 1.40-2.9 | 9-18 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0602-D61 | 06 | 0.2 | 3.00-3.2 | 8 | 6.58 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-09005-D61 | 09 | 0.06 | 0.90-1.6 | 16-28 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0901-D61 | 09 | 0.1 | 1.40-2.9 | 9-18 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0902-D61 | 09 | 0.2 | 3.00-4.3 | 6-8 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-11005-D61 | 11 | 0.06 | 0.90-1.6 | 16-28 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1101-D61 | 11 | 0.1 | 1.40-2.9 | 9-18 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1102-D61 | 11 | 0.2 | 3.00-4.5 | 6-8 | 10.71 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-14005-D61 | 14 | 0.06 | 0.90-1.6 | 16-28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1401-D61 | 14 | 0.1 | 1.40-2.9 | 9-18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1402-D61 | 14 | 0.2 | 3.00-5.2 | 5-8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1404-D61 | 14 | 0.4 | 5.50-6.4 | 4-5 | 13.43 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | | P26300-06005-D67 | 06 | 0.06 | 0.90-1.6 | 16-28 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ |
| P26300-0601-D67 | | 06 | 0.1 | 1.40-2.9 | 9-18 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0602-D67 | | 06 | 0.2 | 3.00-3.2 | 8 | 6.58 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-09005-D67 | | 09 | 0.06 | 0.90-1.6 | 16-28 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0901-D67 | | 09 | 0.1 | 1.40-2.9 | 9-18 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-0902-D67 | | 09 | 0.2 | 3.00-4.3 | 6-8 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1102-D67 | | 11 | 0.2 | 3.00-4.5 | 6-8 | 10.71 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-14005-D67 | | 14 | 0.06 | 0.90-1.6 | 16-28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1401-D67 | | 14 | 0.1 | 1.40-2.9 | 9-18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1402-D67 | | 14 | 0.2 | 3.00-5.2 | 5-8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26310-06G14-D61 | 06 | 0.18 | 1.81-1.8 | 14 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26310-09G11-D61 | 09 | 0.2 | 2.30-2.3 | 11 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26310-14G11-D61 | 14 | 0.2 | 2.30-2.3 | 11 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = ☺

→ Good = ☹

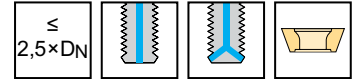
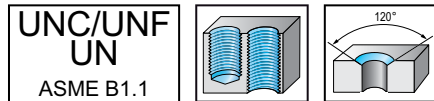
→ Moderate = ☹

Indexable insert thread milling cutter

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 in | D _c mm | l _{z1} mm | L _c mm | l ₃ mm | l ₁ mm | d ₁ mm | Z | Number of inserts | Type |
|------|--------------------------|----------------|-------------------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|---|-------------------|--------------|
| | | | | | | | | | | | | |
| | T2712-26-W25-3-09-2-32.7 | UNC 1 1/4-7 | 7 | 26 | 32.7 | 65.3 | 84 | 151 | 25 | 3 | 6 | P26300-09 .. |
| | T2712-31-W32-3-09-2-38.1 | UNC 1 1/2-6 | 6 | 31 | 38.1 | 76.2 | 99.75 | 172 | 32 | 3 | 6 | |

DIN 1835 B

Adjustable coolant supply: remove front coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

C3

Assembly parts

| | D _c [mm] | 26-31 |
|--|----------------------------------------------------------|-------------------------|
| | Clamping screw for indexable insert Tightening torque | FS2111 (T7IP) 0.9 Nm |

Accessories

| | D _c [mm] | 26-31 |
|--|----------------------------|---------------|
| | Torque screwdriver, analog | FS2001 |
| | Interchangeable blade | FS2011 (T7IP) |
| | Screwdriver | FS2088 (T7IP) |

Indexable inserts

| | Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|--|------------------|------|---------|-----------------|------------------|---------|----------------------------|----|----|----|----|----|----|
| | | | | | | | | HC | HC | HC | HC | HC | HC |
| | P26300-09005-D61 | 09 | 0.06 | 0.90-1.60 | 16-28 | 9.48 | 3 | | | | | | |
| | P26300-0901-D61 | 09 | 0.1 | 1.40-2.90 | 9-18 | 9.48 | 3 | | | | | | |
| | P26300-0902-D61 | 09 | 0.2 | 3.00-4.30 | 6-8 | 9.34 | 3 | | | | | | |
| | P26300-09005-D67 | 09 | 0.06 | 0.90-1.60 | 16-28 | 9.48 | 3 | | | | | | |
| | P26300-0901-D67 | 09 | 0.1 | 1.40-2.90 | 9-18 | 9.48 | 3 | | | | | | |
| | P26300-0902-D67 | 09 | 0.2 | 3.00-4.30 | 6-8 | 9.34 | 3 | | | | | | |

HC = Coated carbide

Indexable insert thread milling cutter

T2712

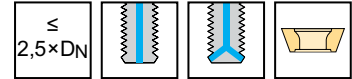


- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information

M-MF
DIN 13

**UNC/UNF
UN**
ASME B1.1

G (BSP)
DIN EN ISO 228



| | | | | | | | |
|-------|---|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| T2712 | ● | ● | ● | ● | ● | ● | ● |

| Tool | Designation | D_N | P_{max} mm | D_c mm | l_3 mm | l_1 mm | d_1 mm | Z | Number of inserts | Type |
|-------------------|-------------------|-------|-----------------|-------------|-------------|-------------|-------------|---|-------------------|--------------|
| <p>DIN 1835 B</p> | T2712-13-W16-1-06 | M 16 | 2 | 13 | 43 | 100 | 16 | 1 | 1 | P26300-06 .. |
| | T2712-17-W16-3-06 | M 20 | 2.5 | 16.5 | 53 | 108 | 16 | 3 | 3 | |
| | T2712-19-W20-3-06 | M 24 | 3 | 19 | 63 | 123 | 20 | 3 | 3 | |
| | T2712-24-W25-3-09 | M 30 | 3.5 | 24 | 79.5 | 148 | 25 | 3 | 3 | P26300-09 .. |
| | T2712-29-W32-3-09 | M 36 | 4 | 29 | 94.5 | 167 | 32 | 3 | 3 | |
| | T2712-35-W32-3-11 | M 42 | 4.5 | 35 | 110.5 | 181 | 32 | 3 | 3 | P26300-11 .. |
| | T2712-40-W40-3-14 | M 48 | 5 | 40 | 127 | 211 | 40 | 3 | 3 | P26300-14 .. |
| | T2712-44-W40-3-14 | M 56 | 5.5 | 44 | 147 | 230 | 40 | 3 | 3 | |
| | T2712-52-W40-4-14 | M 64 | 6 | 52 | 167 | 249 | 40 | 4 | 4 | |

Adjustable coolant supply: remove front coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

C3

Assembly parts

| D _c [mm] | 13-19 | 24-29 | 35 | 40-52 |
|----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| Clamping screw for indexable insert Tightening torque | FS2147 (T6IP) 0.6 Nm | FS2111 (T7IP) 0.9 Nm | FS2061 (T7IP) 0.9 Nm | FS1457 (T9IP) 2 Nm |

Accessories

| D _c [mm] | 13-19 | 24-35 | 40-52 |
|-----------------------------|---------------|---------------|---------------|
| Torque screwdriver, analog | FS2001 | FS2001 | FS2003 |
| Torque screwdriver, digital | | | FS2248 |
| Interchangeable blade | FS2085 (T6IP) | FS2011 (T7IP) | FS2013 (T9IP) |
| Screwdriver | FS2086 (T6IP) | FS2088 (T7IP) | FS1484 (T9IP) |

Indexable inserts

| Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|-----------------|------------------|---------|-----------------|------------------|---------|----------------------------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | HC | HC | HC | HC | HC |
| | | | | | | | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| | P26300-06005-D61 | 06 | 0.06 | 0.90-1.60 | 16-28 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0601-D61 | 06 | 0.1 | 1.40-2.90 | 9-18 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0602-D61 | 06 | 0.2 | 3.00-3.20 | 8 | 6.58 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-09005-D61 | 09 | 0.06 | 0.90-1.60 | 16-28 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0901-D61 | 09 | 0.1 | 1.40-2.90 | 9-18 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0902-D61 | 09 | 0.2 | 3.00-4.30 | 6-8 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-11005-D61 | 11 | 0.06 | 0.90-1.60 | 16-28 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1101-D61 | 11 | 0.1 | 1.40-2.90 | 9-18 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1102-D61 | 11 | 0.2 | 3.00-4.50 | 6-8 | 10.71 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-14005-D61 | 14 | 0.06 | 0.90-1.60 | 16-28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1401-D61 | 14 | 0.1 | 1.40-2.90 | 9-18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1402-D61 | 14 | 0.2 | 3.00-5.20 | 5-8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1404-D61 | 14 | 0.4 | 5.50-6.40 | 4-5 | 13.43 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-06005-D67 | 06 | 0.06 | 0.90-1.60 | 16-28 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0601-D67 | 06 | 0.1 | 1.40-2.90 | 9-18 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0602-D67 | 06 | 0.2 | 3.00-3.20 | 8 | 6.58 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-09005-D67 | 09 | 0.06 | 0.90-1.60 | 16-28 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0901-D67 | 09 | 0.1 | 1.40-2.90 | 9-18 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0902-D67 | 09 | 0.2 | 3.00-4.30 | 6-8 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1102-D67 | 11 | 0.2 | 3.00-4.50 | 6-8 | 10.71 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-14005-D67 | 14 | 0.06 | 0.90-1.60 | 16-28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1401-D67 | 14 | 0.1 | 1.40-2.90 | 9-18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1402-D67 | 14 | 0.2 | 3.00-5.20 | 5-8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| P26300-1404-D67 | 14 | 0.4 | 5.50-6.40 | 4-5 | 13.43 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ | |
| | P26310-06G14-D61 | 06 | 0.18 | 1.80-1.80 | 14 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26310-09G11-D61 | 09 | 0.2 | 2.30-2.30 | 11 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26310-14G11-D61 | 14 | 0.2 | 2.30-2.30 | 11 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = ☺

→ Good = ☹

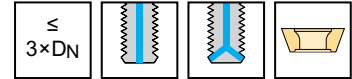
→ Moderate = ☹

Indexable insert thread milling cutter

T2713 mm



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



| | | | | | | | |
|-------|---|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| T2713 | ● | ● | ● | ● | ● | ● | ● |

Tool

| | Designation | D_N | P_{max} mm | D_c mm | l_3 mm | l_1 mm | d_1 mm | Z | Number of inserts | Type |
|------------------------------------------|-------------------|-------|-----------------|-------------|-------------|-------------|-------------|---|----------------------|--------------|
| DIN 1835 B | T2713-17-W16-3-06 | M 20 | 2.5 | 16.5 | 63 | 118 | 16 | 3 | 3 | P26300-06 .. |
| | T2713-19-W20-3-06 | M 24 | 3 | 19 | 75 | 135 | 20 | 3 | 3 | |
| | T2713-24-W25-3-09 | M 30 | 3.5 | 24 | 94.5 | 163 | 25 | 3 | 3 | P26300-09 .. |
| | T2713-29-W32-3-09 | M 36 | 4 | 29 | 112.5 | 185 | 32 | 3 | 3 | |
| | T2713-35-W32-3-11 | M 42 | 4.5 | 35 | 131.5 | 202 | 32 | 3 | 3 | P26300-11 .. |
| | T2713-40-W40-3-14 | M 48 | 5 | 40 | 151 | 235 | 40 | 3 | 3 | P26300-14 .. |
| | T2713-44-W40-3-14 | M 56 | 5.5 | 44 | 175 | 258 | 40 | 3 | 3 | |
| Walter Capto™ in acc. with ISO 26623 | T2713-52-W40-4-14 | M 64 | 6 | 52 | 199 | 281 | 40 | 4 | 4 | |
| | T2713-60-C5-4-14 | M 72 | 6 | 60 | 115 | 152 | 50 | 4 | 4 | P26300-14 .. |
| | T2713-73-C6-5-14 | M 85 | 6 | 73 | 125 | 170 | 63 | 5 | 5 | |
| | T2713-94-C8-5-22 | M 125 | 10 | 94 | 140 | 199 | 80 | 5 | 5 | P26300-22 .. |

Adjustable coolant supply: remove front coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

C3

Assembly parts

| D _c [mm] | 16.5–19 | 24–29 | 35 | 40–73 | 94 |
|----------------------------------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|------------------------|
| Clamping screw for indexable insert Tightening torque | FS2147 (T6IP) 0.6 Nm | FS2111 (T7IP) 0.9 Nm | FS2061 (T7IP) 0.9 Nm | FS1457 (T9IP) 2 Nm | FS1495 (T20IP) 5 Nm |

Accessories

| D _c [mm] | 16.5–19 | 24–35 | 40–73 | 94 |
|-----------------------------|---------------|---------------|---------------|----------------|
| Torque screwdriver, analog | FS2001 | FS2001 | FS2003 | FS2003 |
| Torque screwdriver, digital | | | FS2248 | FS2248 |
| Interchangeable blade | FS2085 (T6IP) | FS2011 (T7IP) | FS2013 (T9IP) | FS2015 (T20IP) |
| Screwdriver | FS2086 (T6IP) | FS2088 (T7IP) | FS1484 (T9IP) | FS1486 (T20IP) |

Indexable inserts

| Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|-------------|------------------|---------|-----------------|------------------|---------|----------------------------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | HC | HC | HC | HC | HC |
| | | | | | | | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| | P26300-06005-D61 | 06 | 0.06 | 0.90–1.60 | 16–28 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0601-D61 | 06 | 0.1 | 1.40–2.90 | 9–18 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0602-D61 | 06 | 0.2 | 3.00–3.20 | 8 | 6.58 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-09005-D61 | 09 | 0.06 | 0.90–1.60 | 16–28 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0901-D61 | 09 | 0.1 | 1.40–2.90 | 9–18 | 9.48 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-0902-D61 | 09 | 0.2 | 3.00–4.30 | 6–8 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-11005-D61 | 11 | 0.06 | 0.90–1.60 | 16–28 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1101-D61 | 11 | 0.1 | 1.40–2.90 | 9–18 | 10.85 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1102-D61 | 11 | 0.2 | 3.00–4.50 | 6–8 | 10.71 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-14005-D61 | 14 | 0.06 | 0.90–1.60 | 16–28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1401-D61 | 14 | 0.1 | 1.40–2.90 | 9–18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1402-D61 | 14 | 0.2 | 3.00–5.20 | 5–8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1404-D61 | 14 | 0.4 | 5.50–6.40 | 4–5 | 13.43 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-2204-D61 | 22 | 0.4 | 6.00–10.00 | 3–4 | 21.41 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26310-06G14-D61 | 06 | 0.18 | 1.80 | 14 | 6.73 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26310-09G11-D61 | 09 | 0.2 | 2.30 | 11 | 9.34 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26310-14G11-D61 | 14 | 0.2 | 2.30 | 11 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-14005-D67 | 14 | 0.06 | 0.90–1.60 | 16–28 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1401-D67 | 14 | 0.1 | 1.40–2.90 | 9–18 | 13.87 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1402-D67 | 14 | 0.2 | 3.00–5.20 | 5–8 | 13.72 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |
| | P26300-1404-D67 | 14 | 0.4 | 5.50–6.40 | 4–5 | 13.43 | 3 | ☞ | ☞ | ☞ | ☞ | ☞ |

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = ☺

→ Good = ☹

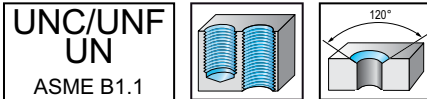
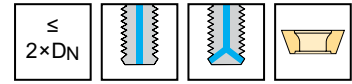
→ Moderate = ☹

Indexable insert thread milling cutter

T2711 / T2712 inch



- 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 in | D _c inch | l ₂₁ inch | l ₃ inch | l ₁ inch | d ₁ inch | Z | Number of inserts | Type |
|-------------------------------------------------------------------------------|----------------|-------------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|---|----------------------|--------------|
| T2711.20-W19-3-06-2-25.4 T2711.26-W26-3-09-2-32.7 DIN 1835 B | UNC 1 | 8 | 0.787 | 1.000 | 2.122 | 4.461 | 0.750 | 3 | 6 | P26300-06 .. |
| | UNC 1.1/4-7 | 7 | 1.024 | 1.286 | 2.677 | 5.299 | 1.000 | 3 | 6 | P26300-09 .. |
| T2711.31-W31-3-09-3-25.4 DIN 1835 B | UNC 1.1/2-6 | 6 | 1.22 | 1.000 | 3.177 | 5.892 | 1.250 | 3 | 9 | P26300-09 .. |
| T2712.20-W19-3-06 T2712.23-W26-3-09 T2712.28-W31-3-09 DIN 1835 B | UNC 1 | 8 | 0.787 | | 2.618 | 4.953 | 0.750 | 3 | 3 | P26300-06 .. |
| | UNC 1 1/8 | 7 | 0.886 | | 2.992 | 5.675 | 1.000 | 3 | 3 | P26300-09 .. |
| | UNC 1 3/8 | 6 | 1.083 | | 3.622 | 6.482 | 1.250 | 3 | 3 | |

Adjustable coolant supply: remove front coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | D _c [inch] | 0.787 | 0.886–1.22 |
|--|----------------------------------------------------------|----------------------------|----------------------------|
| | Clamping screw for indexable insert Tightening torque | FS2147 (T6IP) 0.443 lbs | FS2111 (T7IP) 0.664 lbs |

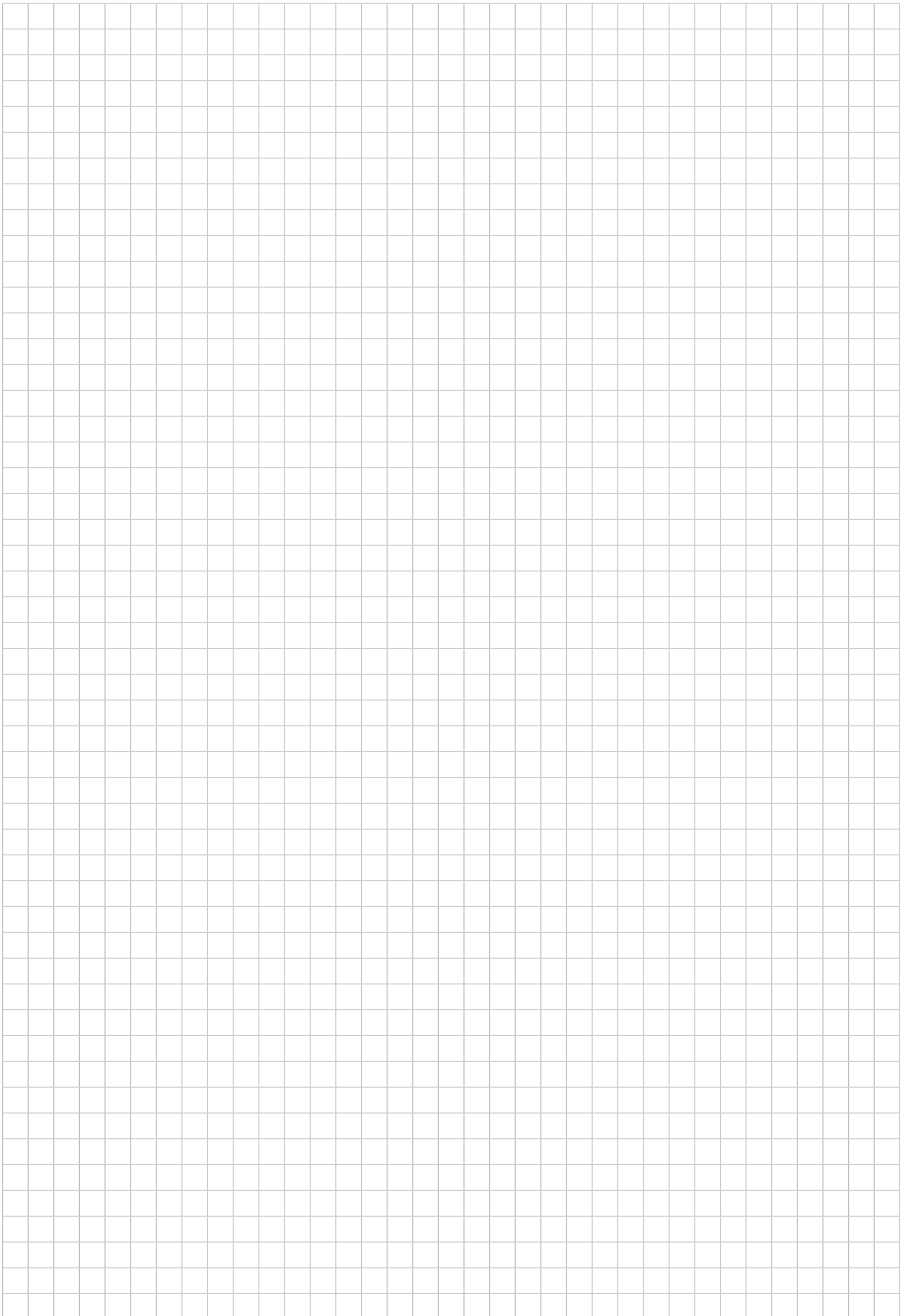
Accessories

| | D _c [inch] | 0.787 | 0.886–1.22 |
|--|----------------------------|---------------|---------------|
| | Torque screwdriver, analog | FS2002 | FS2002 |
| | Interchangeable blade | FS2085 (T6IP) | FS2011 (T7IP) |
| | Screwdriver | FS2086 (T6IP) | FS2088 (T7IP) |

Indexable inserts

| Designation | Size | r inch | Pitch (P) inch | Lead (TPI) in | l inch | Number of cutting edges | P | M | K | N | S | H |
|-------------|------------------|-----------|-------------------|------------------|-----------|----------------------------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | HC | HC | HC | HC | HC |
| | P26300-06005-D61 | 06 | 0.002 | 0.035–0.063 | 16–28 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| | P26300-0601-D61 | 06 | 0.004 | 0.055–0.114 | 9–18 | 3 | HC | HC | HC | HC | HC | HC |
| | P26300-0602-D61 | 06 | 0.008 | 0.118–0.126 | 8 | 3 | HC | HC | HC | HC | HC | HC |
| | P26300-09005-D61 | 09 | 0.002 | 0.035–0.063 | 16–28 | 0.373 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| | P26300-0901-D61 | 09 | 0.004 | 0.055–0.114 | 9–18 | 0.373 | HC | HC | HC | HC | HC | HC |
| | P26300-0902-D61 | 09 | 0.008 | 0.118–0.169 | 6–8 | 0.368 | HC | HC | HC | HC | HC | HC |
| | P26300-06005-D67 | 06 | 0.002 | 0.035–0.063 | 16–28 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| | P26300-0601-D67 | 06 | 0.004 | 0.055–0.114 | 9–18 | 3 | HC | HC | HC | HC | HC | HC |
| | P26300-0602-D67 | 06 | 0.008 | 0.118–0.126 | 8 | 3 | HC | HC | HC | HC | HC | HC |
| | P26300-09005-D67 | 09 | 0.002 | 0.035–0.063 | 16–28 | 0.373 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| | P26300-0901-D67 | 09 | 0.004 | 0.055–0.114 | 9–18 | 0.373 | HC | HC | HC | HC | HC | HC |
| | P26300-0902-D67 | 09 | 0.008 | 0.118–0.169 | 6–8 | 0.368 | HC | HC | HC | HC | HC | HC |
| | P26310-06G14-D61 | 06 | 0.007 | 0.071–0.071 | 14 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| | P26310-09G11-D61 | 09 | 0.008 | 0.091–0.091 | 11 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |

HC = Coated carbide

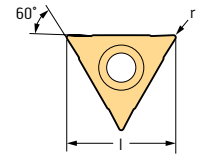


C3


Thread milling cutter inserts – M, MF, UNC, UNF, UN

P26300

Tiger-tec® Gold



Indexable inserts

| Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|----------------------------------------------------------------------------------------------------|------|---------|-----------------|------------------|---------|----------------------------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | HC | HC | HC | HC | HC |
|  P26300-06005-D67 | 06 | 0.06 | 0.90-1.60 | 16-28 | 6.73 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-0601-D67 | 06 | 0.1 | 1.40-2.90 | 9-18 | 6.73 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-0602-D67 | 06 | 0.2 | 3.00-3.20 | 8 | 6.58 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-09005-D67 | 09 | 0.06 | 0.90-1.60 | 16-28 | 9.48 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-0901-D67 | 09 | 0.1 | 1.40-2.90 | 9-18 | 9.48 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-0902-D67 | 09 | 0.2 | 3.00-4.30 | 6-8 | 9.34 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-1102-D67 | 11 | 0.2 | 3.00-4.50 | 6-8 | 10.71 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-14005-D67 | 14 | 0.06 | 0.90-1.60 | 16-28 | 13.87 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-1401-D67 | 14 | 0.1 | 1.40-2.90 | 9-18 | 13.87 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-1402-D67 | 14 | 0.2 | 3.00-5.20 | 5-8 | 13.72 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-1404-D67 | 14 | 0.4 | 5.50-6.40 | 4-5 | 13.43 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-06005-D61 | 06 | 0.06 | 0.90-1.60 | 16-28 | 6.73 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-0601-D61 | 06 | 0.1 | 1.40-2.90 | 9-18 | 6.73 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-0602-D61 | 06 | 0.2 | 3.00-3.20 | 8 | 6.58 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-09005-D61 | 09 | 0.06 | 0.90-1.60 | 16-28 | 9.48 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-0901-D61 | 09 | 0.1 | 1.40-2.90 | 9-18 | 9.48 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-0902-D61 | 09 | 0.2 | 3.00-4.30 | 6-8 | 9.34 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-11005-D61 | 11 | 0.06 | 0.90-1.60 | 16-28 | 10.85 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-1101-D61 | 11 | 0.1 | 1.40-2.90 | 9-18 | 10.85 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-1102-D61 | 11 | 0.2 | 3.00-4.50 | 6-8 | 10.71 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-14005-D61 | 14 | 0.06 | 0.90-1.60 | 16-28 | 13.87 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-1401-D61 | 14 | 0.1 | 1.40-2.90 | 9-18 | 13.87 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-1402-D61 | 14 | 0.2 | 3.00-5.20 | 5-8 | 13.72 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-1404-D61 | 14 | 0.4 | 5.50-6.40 | 4-5 | 13.43 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26300-2204-D61 | 22 | 0.4 | 6.00-10.00 | 3-4 | 21.41 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |

Ordering example for the grade WSM37G: P26300-06005-D67 WSM37G

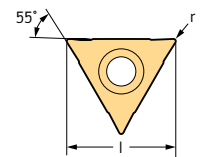
HC = Coated carbide

C3


Thread milling cutter inserts – G (BSP)

P26310

Tiger-tec® Gold



Indexable inserts

| Designation | Size | r mm | Pitch (P) mm | Lead (TPI) in | l mm | Number of cutting edges | P | M | K | N | S | H |
|------------------------------------------------------------------------------------------------------|------|---------|-----------------|------------------|---------|----------------------------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | HC | HC | HC | HC | HC |
|  P26310-06G14-D61 | 06 | 0.18 | 1.80 | 14 | 6.73 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26310-09G11-D61 | 09 | 0.2 | 2.30 | 11 | 9.34 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |
| P26310-14G11-D61 | 14 | 0.2 | 2.30 | 11 | 13.72 | 3 | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G | WSM37G |

Ordering example for the grade WSM37G: P26310-06G14-D61 WSM37G

HC = Coated carbide

WALTER SELECT

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

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

Thread milling cutters with indexable inserts



Ø50 B22
5xTN 1605
FS2979 T9IF 2,0 Nm
EOM

D - Milling

D1 - Solid carbide milling tools

| Solid carbide milling tools | Program |
|------------------------------------|---------|
| High-feed milling cutter | 306 |
| Shoulder milling cutters | 307 |
| Shoulder/slot milling cutters | 310 |
| Copy milling cutters | 316 |
| Profiling cutters | 318 |
| Circle segment milling cutters | 320 |

| Solid carbide milling tools with ConeFit interface | Program | Order pages |
|-----------------------------------------------------------|---------|-------------|
| High-feed milling cutter | 322 | 330 |
| Shoulder milling cutters | 324 | |
| Shoulder/slot milling cutters | 325 | 331 |
| Copy milling cutters | 327 | 341 |
| Profiling cutters | 328 | 345 |
| Circle segment milling cutters | 329 | |

| Solid carbide milling tools with modular interface | Program |
|-----------------------------------------------------------|---------|
| Slot milling cutters | 356 |

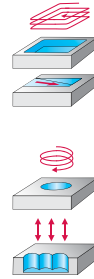
| PCD, ceramic and carbide-tipped milling tools | Program |
|------------------------------------------------------|---------|
| Shoulder milling cutters | 357 |
| Copy milling cutters | 360 |
| Shoulder/slot and high-feed milling cutters | 361 |
| ConeFit shoulder/slot and high-feed milling cutters | 362 |

D2 - Milling tools with indexable inserts

| Indexable inserts for milling | Order pages |
|------------------------------------------|-------------|
| Positive indexable inserts | 364 |
| Negative indexable inserts | 378 |
| Indexable inserts for tangential fitting | 387 |

| Indexable insert milling cutters | Program | Order pages |
|-----------------------------------------|---------|-------------|
| Face milling cutters | 389 | |
| High-feed milling cutter | 394 | |
| Shoulder milling cutters | 396 | 414 |
| Slot milling cutters | 404 | 418 |
| Copy milling cutters | 409 | |
| Profiling cutters | 412 | |

High-feed milling cutters



| Designation | MC025 Advance | MD025 Supreme | MD025 Supreme | MC089 Advance |
|------------------------------------------------------|---------------------|---------------------|---------------------|---------------|
| Diameter range | 1–16 | 6–16 | 6–16 | 4–16 |
| Number of teeth | 2–4 | 5–6 | 5–6 | 4 |
| Corner radius | 0.1–2 | 0.5–2 | 0.5–2 | 0.5–2 |
| Diameter range | 0.125–0.625 | 0.250–0.625 | 0.250–0.625 | — |
| Number of teeth | 4 | 5–6 | 5–6 | — |
| Corner radius | 0.020–0.080 | 0.020–0.080 | 0.020–0.080 | — |
| Standard | PWZ-NORM L STANDARD | PWZ-NORM L STANDARD | PWZ-NORM L STANDARD | DIN 6527 L |
| Coating / grade | WJ30TF | WJ30RD | WJ30RA | WB10TG |
| 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 | ● | ● | ● | ●● |

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MC025

MD025

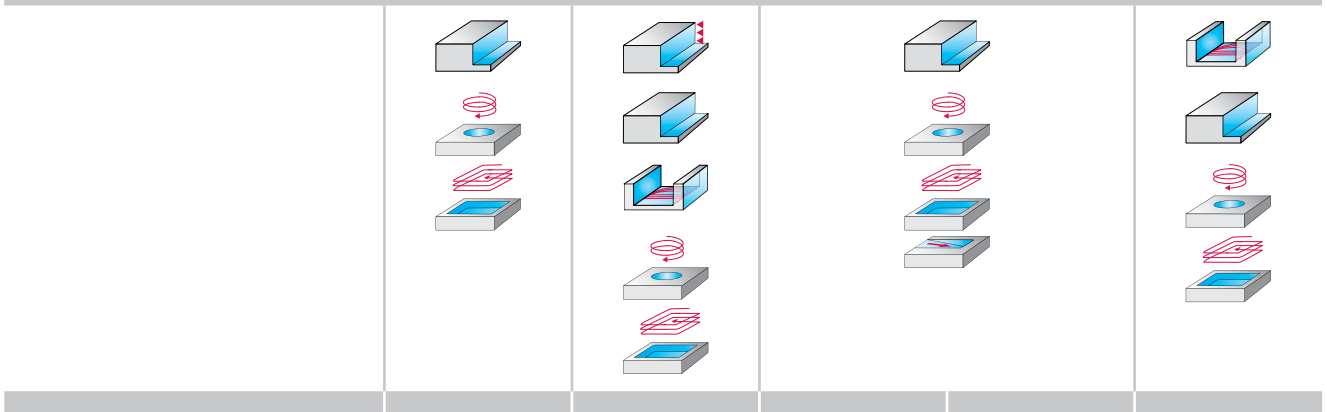
MD025

MC089

WALTER SELECT

●● Primary application ● Other application

Shoulder milling cutters



| Designation | MC129 Advance | MC128 Advance | MC112 Advance | MC111 Advance | MD133 Supreme |
|-----------------------------------------------|---------------|---------------------|---------------------------|-------------------|---------------------------|
| Diameter range | 6–20 | 2–25 | 4–12.5 | — | 6–20 |
| Number of teeth | 6 | 4–8 | 4 | — | 5–6 |
| Corner radius | | 0.5–4 | 0.5–1.5 | | 0.3–1 |
| Diameter range | — | 0.375–0.750 | — | 0.094–0.375 | 0.250–0.750 |
| Number of teeth | | 6–8 | | 4 | 5–6 |
| Corner radius | | 0.015 | | | 0.015–0.030 |
| Standard | DIN 6527 L | DIN 6527 L STANDARD | PWZ-NORM XL PWZ-NORM L | STANDARD | PWZ-NORM L PWZ-NORM XL |
| Coating / grade | WJ30TF | WJ30TF | WJ30TF | WJ30TF | WJ30RD |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA | Cylindrical shank | DIN 6535 HB |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ● | ● | ● | ● | ● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | | | | ● | |
| S Materials with difficult cutting properties | ● | ● | ● | ● | |
| H Hard materials | | | | | |
| O Other | | | | | |

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MC129

MC128

MC112

MC111

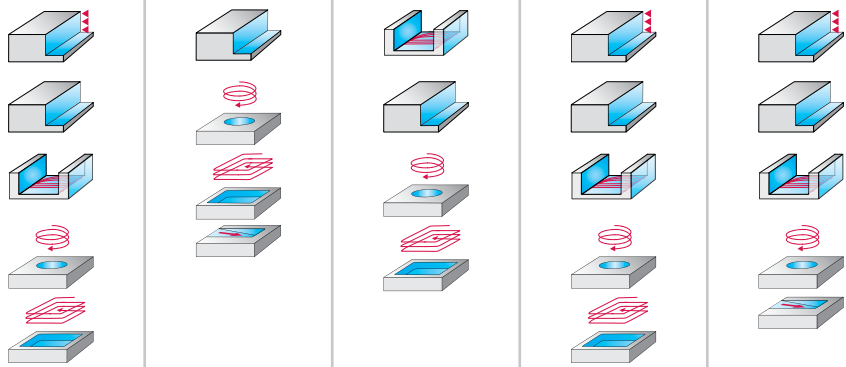
MD133

WALTER SELECT

●● Primary application ● Other application

D1

Shoulder milling cutters



| Designation | MD128 Supreme | Protostar® | MD133 Supreme | MD128 Supreme | MC166 Advance |
|------------------------------------------------------|---------------|---------------|---------------------------|---------------|----------------------------------------------------|
| Diameter range | 6–25 | 0.4–3 | 6–20 | 6–25 | 2–20 |
| Number of teeth | 6–8 | 2 | 5–6 | 6–8 | 2–3 |
| Corner radius | 0.5–4 | 0.05–0.3 | 0.3–1 | 0.5–4 | 1–5 |
| Diameter range | — | — | 0.250–0.750 | — | — |
| Number of teeth | — | — | 5–6 | — | — |
| Corner radius | — | — | 0.015–0.030 | — | — |
| Standard | PWZ-NORM | PWZ-NORM MINI | PWZ-NORM L PWZ-NORM XL | PWZ-NORM | P-NORM L PWZ-NORM L P-NORM XL PWZ-NORM XL |
| Coating / grade | WJ30RD | TAX | WJ30RA | WJ30RA | WJ30UU |
| Shank | DIN 6535 HA | DIN 6535 HA | DIN 6535 HB | 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 | | | | | |

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MD128

protostar

MD133

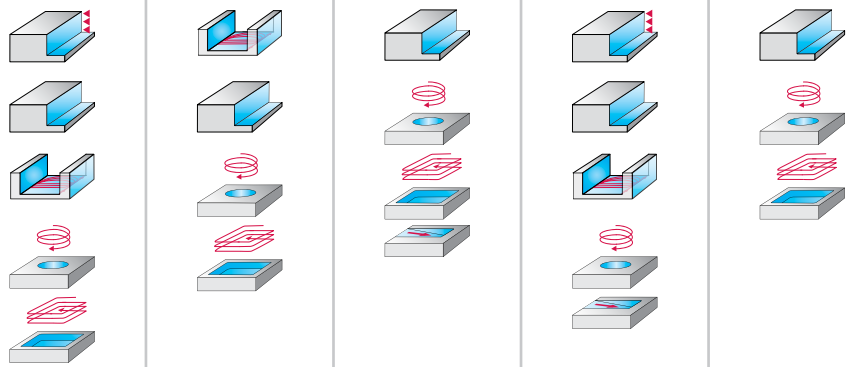
MD128

MC166

WALTER SELECT

●● Primary application ● Other application

Shoulder milling cutters



| Designation | MD177 Supreme | MD173 Supreme | Protostar® Ti | MC187 Advance | MC183 Advance |
|-----------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------|---------------|--------------------------------------|---------------|
| Diameter range | 6–25 | 6–20 | 16–25 | 3–25 | 6–16 |
| Number of teeth | 7 | 7 | 4–5 | 4–8 | 6–16 |
| Corner radius | 0.3–1.25 | 0.3–1 | 3–4 | 0.5–3 | — |
| Diameter range | 0.187–1.000 | 0.250–1.000 | — | 0.125–0.750 | — |
| Number of teeth | 7 | 7 | — | 4–8 | — |
| Corner radius | 0.015–0.120 | 0.015–0.120 | — | 0.015–0.060 | — |
| Standard | DIN 6527 L PWZ-NORM L PWZ-NORM XL STANDARD PWZ-NORM S | DIN 6527 L PWZ-NORM L PWZ-NORM XL STANDARD | PWZ-NORM XL | DIN 6527 L PWZ-NORM L STANDARD | DIN 6527 L |
| Coating / grade | WJ30EN | WJ30EN | ACN | WB10TG | WB10TG |
| Shank | DIN 6535 HA | DIN 6535 HB Cylindrical shank | 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 | | | | | |

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MD177



MD173



protostar-ti



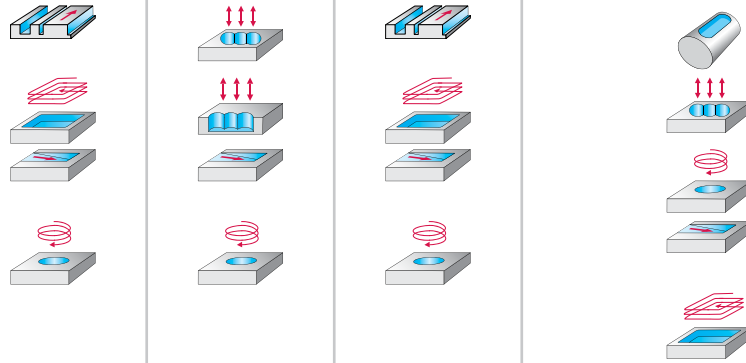
MC187



MC183

www.walter-tools.com/woc/

Shoulder/slot milling cutters



| Designation | ME232 Perform | MD344 Supreme | MD340 Supreme | MC726 Supreme | MC716 Advance |
|------------------------------------------------------|------------------------------------------------|---------------|---------------------------------------------------|----------------------------|---------------|
| Diameter range | 2–20 | 6–20 | 2–25 | 2.8–16 | 1.8–20 |
| Number of teeth | 2–6 | 4 | 3–5 | 3–4 | 2–3 |
| Corner radius | 0.2–3 | 0.3–1 | 0.2–4 | 0.08–0.25 | |
| Diameter range | 0.125–0.750 | — | 0.063–0.750 | — | — |
| Number of teeth | 2–4 | | 3–5 | | |
| Corner radius | 0.015–0.125 | | 0.015–0.060 | | |
| Standard | P-NORM L DIN 6527 L STANDARD P-NORM S | DIN 6527 L | P-NORM DIN 6527 L ANSI-STANDARD P-NORM L | DIN 6527 K | DIN 6527 K |
| Coating / grade | WJ30ED | WK40TP | WK40TP | WK40TF | WJ30TF |
| Shank | DIN 6535 HA DIN 6535 HB | DIN 6535 HB | DIN 6535 HA DIN 6535 HB | DIN 6535 HA DIN 6535 HB | DIN 6535 HB |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ● | ● | ● | ● | ● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | ● | | | | |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | | | | | |

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ME232



MD344



MD340



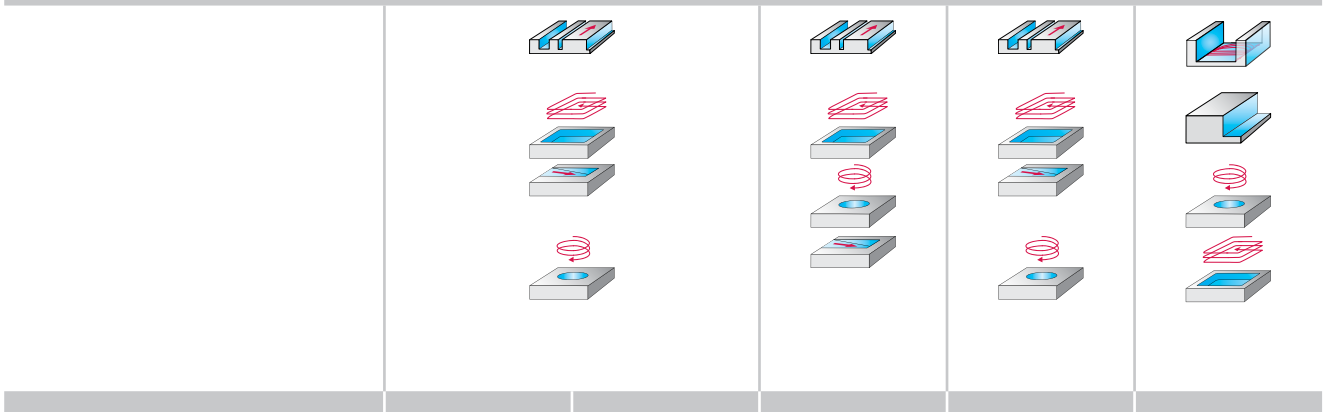
MC726



MC716

www.walter-tools.com/woc/

Shoulder/slot milling cutters



| Designation | MC326 Supreme | MC321 Advance | MC320 Advance | MC319 Advance | MC233 Advance Xill-tec® |
|-----------------------------------------------|------------------------------------------------------|-------------------|--------------------------------------|---------------|-------------------------|
| Diameter range | 2–25 | — | 4–25 | 5–20 | 8–25 |
| Number of teeth | 3–5 | — | 3–8 | 4 | 4–8 |
| Corner radius | 0.2–4 | — | 0.2–0.4 | 0.2–0.4 | — |
| Diameter range | 0.125–0.750 | 0.125–0.500 | 0.250–0.750 | — | — |
| Number of teeth | 3–4 | 4 | 4 | — | — |
| Corner radius | 0.015–0.160 | — | 0.008–0.016 | — | — |
| Standard | STUB STANDARD PWZ-NORM L DIN 6527 L LONG | STUB | DIN 6527 K DIN 6527 L STANDARD | DIN 6527 L | P-NORM L P-NORM XL |
| Coating / grade | WK40TF | WJ30TF | WK40TF | WK40TF | WK40TF |
| Shank | DIN 6535 HA DIN 6535 HB | Cylindrical shank | DIN 6535 HB | DIN 6535 HB | DIN 6535 HB |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ● | ● | ● | ● | ● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | | | | | ● |
| S Materials with difficult cutting properties | ● | ● | ● | ● | ● |
| H Hard materials | | | | | |
| O Other | | | | | |

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MC326

MC321

MC320

MC319

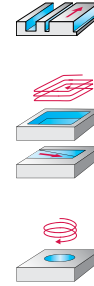
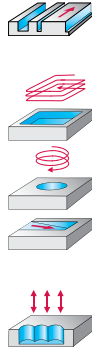
MC233

WALTER SELECT

●● Primary application ● Other application

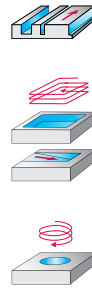
D1

Shoulder/slot milling cutters



| Designation | MC230 Advance Xill-tec® | MC213 Advance | MC341 Supreme | MC251 Advance | Proto-max™ _{Inox} |
|-----------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Diameter range | 1–25 | 0.6–14.5 | 6–20 | 3–20 | 6–20 |
| Number of teeth | 2–8 | 2–4 | 4 | 4 | 4 |
| Corner radius | 0.2–4 | 0.06–1 | | 0.2–6 | 0.5–4 |
| Diameter range | — | — | — | — | 0.500–0.750 |
| Number of teeth | | | | | 4 |
| Corner radius | | | | | |
| Standard | DIN 6527 L P-NORM S P-NORM L DIN 6527 K P-NORM XL | PWZ-NORM XL PWZ-NORM L | PWZ-NORM | DIN 6527 L | DIN 6527 L DIN 6527 |
| Coating / grade | WK40TF | WJ30TF | WK40TZ | WK40RC | TAA |
| Shank | DIN 6535 HA DIN 6535 HB | DIN 6535 HA | 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 | | | | | |
| Page in catalog | | | | | |
| QR code | | | | | |
| | www.walter-tools.com/woc/MC230 | www.walter-tools.com/woc/MC213 | www.walter-tools.com/woc/MC341 | www.walter-tools.com/woc/MC251 | www.walter-tools.com/woc/protomax-inox |

Shoulder/slot milling cutters



| Designation | MD266 Supreme | MD265 Supreme | MD265 Supreme | MC267 Advance | MC267 Advance |
|------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------|---------------|
| Diameter range | 2–25 | 16–25 | 16–25 | 1–20 | 1–20 |
| Number of teeth | 2–3 | 3 | 3 | 2–3 | 3 |
| Corner radius | 0.2–4 | 2–4 | 2–4 | 0.2–4 | 0.2–0.5 |
| Diameter range | — | — | — | — | — |
| Number of teeth | — | — | — | — | — |
| Corner radius | — | — | — | — | — |
| Standard | DIN 6527 L P-NORM L P-NORM XL | DIN 6527 L P-NORM L P-NORM XL | DIN 6527 L P-NORM L P-NORM XL | DIN 6527 L | DIN 6527 L |
| Coating / grade | WJ30UU | WJ30UU | WJ30DD | WJ30UU | WJ30CA |
| Shank | DIN 6535 HA | 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 | | | | | |

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MD266

MD265

MD265

MC267

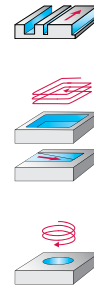
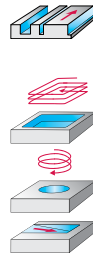
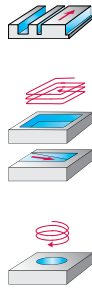
MC267

WALTER SELECT

●● Primary application ● Other application

D1

Shoulder/slot milling cutters



| Designation | Protostar® | MD377 Supreme | MC377 Advance | MC388 Advance | MC281 Advance |
|------------------------------------------------------|--------------------------|----------------------------|----------------------------|----------------------------|---------------|
| Diameter range | 2–20 | 6–25 | 2–25 | 2–12 | 1–4 |
| Number of teeth | 1–2 | 5 | 3–4 | 3–4 | 2 |
| Corner radius | | 0.5–6.35 | 0.2–4 | 0.5–3 | 0.2–0.5 |
| Diameter range | — | — | — | 0.125–0.500 | — |
| Number of teeth | | | | 3–4 | |
| Corner radius | | | | 0.015–0.030 | |
| Standard | PWZ-NORM L DIN 6527 L | DIN 6527 L | DIN 6527 L | DIN 6527 L PWZ-NORM L | PWZ-NORM MINI |
| Coating / grade | uncoated | WK40TZ | WK40EA | WB10TG | WB10TG |
| Shank | DIN 6535 HA | DIN 6535 HA DIN 6535 HB | DIN 6535 HA 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 | | | | | |

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protostar

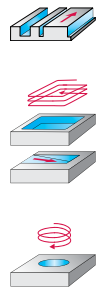
MD377

MC377

MC388

MC281

Shoulder/slot milling cutters



| Designation | Protostar® Ultra | Protostar® |
|------------------------------------------------------|-----------------------------|--------------------------------------------|
| Diameter range | 1–16 | 0.6–12 |
| Number of teeth | 2–4 | 2–4 |
| Corner radius | 0.1–2 | 0.05–1 |
| Diameter range | — | — |
| Number of teeth | — | — |
| Corner radius | — | — |
| Standard | PWZ-NORM L PWZ-NORM MINI | PWZ-NORM L PWZ-NORM XL PWZ-NORM MINI |
| Coating / grade | TAX | DIA |
| Shank | DIN 6535 HA | DIN 6535 HA |
| P Steel | | |
| M Stainless steel | | |
| K Cast iron | | |
| N NF metals | | |
| S Materials with difficult cutting properties | | |
| H Hard materials | ● ● | |
| O Other | | ● ● |

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protostar-ultra

protostar

WALTER SELECT

● ● Primary application ● Other application

D1

Copy milling cutters



| Designation | ME432 Perform | MC416 Advance | MC413 Advance | Protostar® | MC467 Advance |
|------------------------------------------------------|---------------------|-----------------------------------|---------------------------|---------------|---------------|
| Diameter range | 1–20 | 1–20 | 1–16 | 0.3–3 | 2–16 |
| Number of teeth | 2–4 | 2–4 | 2–4 | 2 | 2 |
| Corner radius | 0.5–10 | 0.5–10 | 0.5–8 | 0.15–1.5 | 1–8 |
| Diameter range | 0.063–0.625 | 0.063–0.500 | — | — | — |
| Number of teeth | 4 | 4 | — | — | — |
| Corner radius | 0.031–0.313 | 0.031–0.250 | — | — | — |
| Standard | DIN 6527 L STANDARD | PWZ-NORM L STANDARD DIN 6527 L | PWZ-NORM L PWZ-NORM XL | PWZ-NORM MINI | PWZ-NORM L |
| Coating / grade | WJ30ED | WJ30TF | WJ30TF | TAX | WJ30UU |
| Shank | DIN 6535 HA | DIN 6535 HA DIN 6535 HB | DIN 6535 HA | DIN 6535 HA | DIN 6535 HA |
| P Steel | ●● | ●● | ●● | ●● | |
| M Stainless steel | ● | ● | ● | | |
| K Cast iron | ● | ● | ● | | |
| N NF metals | ● | ● | ● | ● | ●● |
| S Materials with difficult cutting properties | ● | ● | ● | | |
| H Hard materials | | | | | |
| O Other | | | | | |

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ME432

MC416

MC413

protostar

MC467

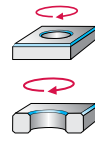
Copy milling cutters



| Designation | MC482 Advance | MC480 Advance | Proto-max™ Ultra | Protostar® Ultra | Protostar® |
|------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Diameter range | 1–16 | 0.4–5 | 1–10 | 1–10 | 0.3–3 |
| Number of teeth | 2–4 | 2 | 2 | 2 | 2 |
| Corner radius | 0.5–8 | 0.2–2.5 | 0.5–5 | 0.5–5 | 0.15–1.5 |
| Diameter range | — | — | — | — | — |
| Number of teeth | — | — | — | — | — |
| Corner radius | — | — | — | — | — |
| Standard | DIN 6527 K DIN 6527 L PWZ-NORM XL | PWZ-NORM MINI | PWZ-NORM L PWZ-NORM MINI | DIN 6527 L PWZ-NORM L | PWZ-NORM MINI |
| Coating / grade | WB10TG | WB10TG | TAS | TAX | DIA |
| Shank | DIN 6535 HA | 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 | | | | | ●● |
| Page in catalog | | | | | |
| QR code | | | | | |
| | www.walter-tools.com/woc/MC482 | www.walter-tools.com/woc/MC480 | www.walter-tools.com/woc/protomax-ultra | www.walter-tools.com/woc/protostar-ultra | www.walter-tools.com/woc/protostar |

D1

Profiling cutters



Designation **MC504 Advance** **MC503 Advance** **MC502 Advance** **MC501 Advance** **MC500 Advance**

Diameter range 6–12 6–20 10 6–12 6–10

Number of teeth 4–6 3–4 4 4–6 4

Corner radius

Diameter range — — — — —

Number of teeth

Corner radius

Standard PWZ-NORM L DIN 6527 L PWZ-NORM L PWZ-NORM L PWZ-NORM L

Coating / grade WJ30TF WJ30TF WJ30TF WJ30TF WJ30TF

Shank DIN 6535 HA DIN 6535 HA DIN 6535 HA DIN 6535 HA
DIN 6535 HB DIN 6535 HA
DIN 6535 HB

P Steel ●● ●● ●● ●● ●●

M Stainless steel ● ● ● ● ●

K Cast iron ● ● ● ● ●

N NF metals ● ● ● ● ●

S Materials with difficult cutting properties ● ● ● ● ●

H Hard materials

O Other

Page in catalog

QR code



www.walter-tools.com/woc/

MC504

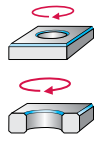
MC503

MC502

MC501

MC500

Profiling cutters



| | | |
|-----------------------------------------------|-------------------|--|
| Designation | Protostar® | |
| Diameter range | — | |
| Number of teeth | — | |
| Corner radius | — | |
| Diameter range | 0.250–0.500 | |
| Number of teeth | 4–6 | |
| Corner radius | — | |
| Standard | STANDARD | |
| Coating / grade | TAX | |
| Shank | Cylindrical shank | |
| P Steel | ●● | |
| M Stainless steel | ● | |
| K Cast iron | ● | |
| N NF metals | ● | |
| S Materials with difficult cutting properties | ● | |
| H Hard materials | | |
| O Other | | |

Page in catalog

QR code



www.walter-tools.com/woc/

protostar

D1

Circle segment milling cutters



| Designation | MD839 Supreme | MD838 Supreme | MD839 Supreme | MD838 Supreme |
|------------------------------------------------------|---------------|---------------|---------------|---------------|
| Diameter range | 6–16 | 6–16 | 6–16 | 6–16 |
| Number of teeth | 4 | 4–8 | 4 | 4–8 |
| Corner radius | 1–4 | 0.5–4 | 1–4 | 0.5–4 |
| Diameter range | — | — | — | — |
| Number of teeth | — | — | — | — |
| Corner radius | — | — | — | — |
| Standard | PWZ-NORM | PWZ-NORM | PWZ-NORM | PWZ-NORM |
| Coating / grade | WJ30RD | WJ30RD | WJ30RA | WJ30RA |
| 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 | | | | |

Page in catalog

QR code



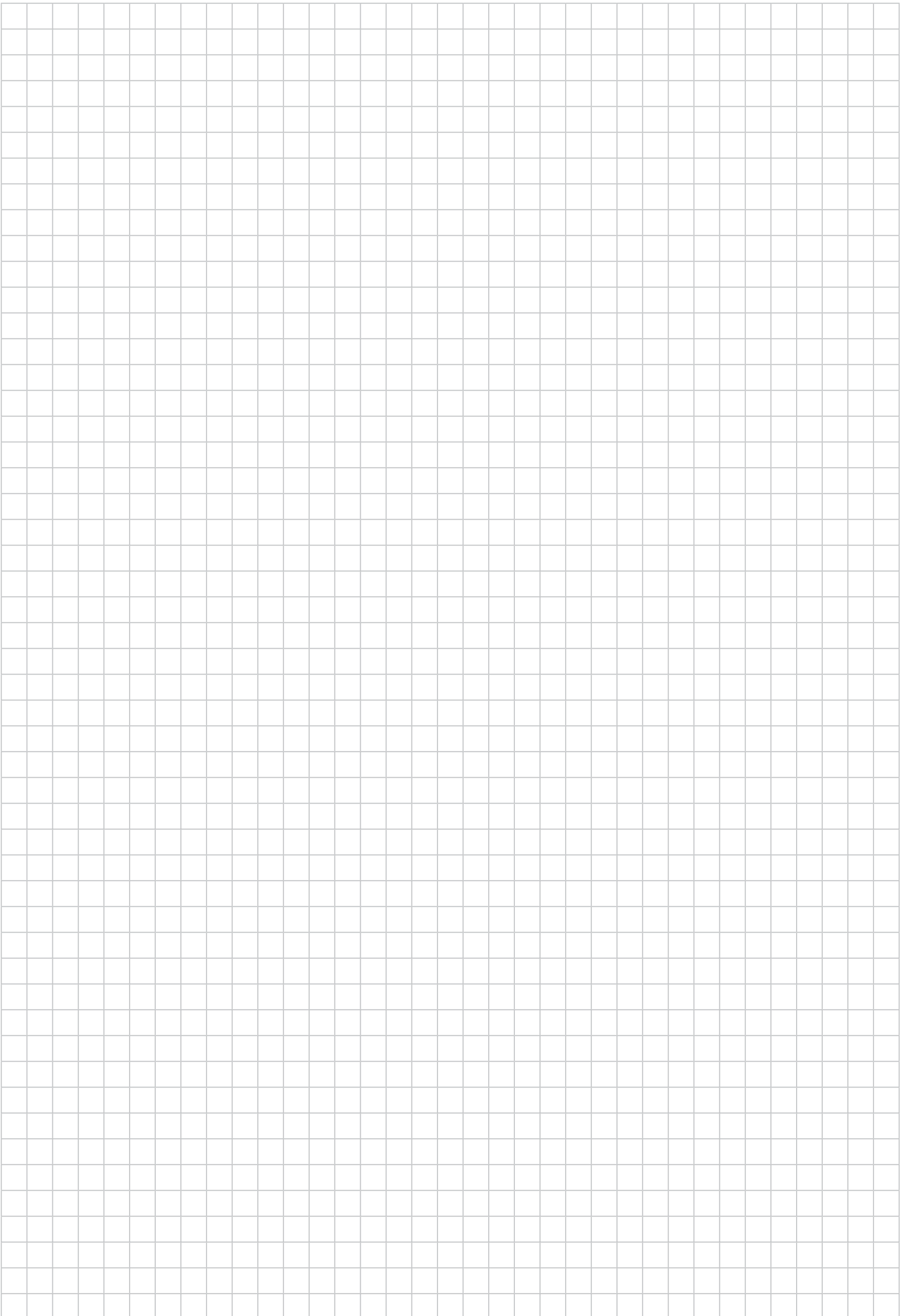
www.walter-tools.com/woc/

MD839

MD838

MD839

MD838



D1

High-feed milling cutters

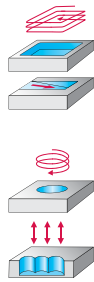


NEW



| Designation | MC025 Advance | Protostar® Flash | MD025 | MD070 | MD025 |
|--------------------------------------------------------------------------|---------------|------------------|-------------|----------|-------------|
| Diameter range | 10–25 | 10–16 | 10–25 | 10–25 | 10–25 |
| Number of teeth | 4 | 3 | 5–6 | 4–5 | 5–6 |
| Corner radius | 1.5–3 | 1.5–2 | 1.5–3 | 1.5–3 | 1.5–3 |
| Diameter range | 0.375–1.000 | — | 0.375–1.000 | — | 0.375–1.000 |
| Number of teeth | 4 | — | 5–6 | — | 5–6 |
| Corner radius | 0.060–0.125 | — | 0.060–0.125 | — | 0.060–0.125 |
| Standard | PWZ-NORM | PWZ-NORM | PWZ-NORM | PWZ-NORM | PWZ-NORM |
| Coating / grade | WJ30TF | TAX | WJ30RD | WJ30RA | WJ30RA |
| Shank | ConeFit | ConeFit | ConeFit | ConeFit | ConeFit |
| P Steel | ●● | ●● | ●● | | |
| M Stainless steel | ● | ● | | ●● | ●● |
| K Cast iron | ● | ● | ● | | |
| N NF metals | | | | | ● |
| S Materials with difficult cutting properties | ● | ● | | ● | ●● |
| H Hard materials | | | | | |
| O Other | | | | | |
| Page in catalog | | | | 328 | |
| QR code | | | | | |
| www.walter-tools.com/woc/ | MC025 | protostar-flash | MD025 | MD070 | MD025 |

High-feed milling cutters



| | |
|------------------------------------------------------|------------------|
| Designation | Protostar® Flash |
| Diameter range | 10–25 |
| Number of teeth | 4–5 |
| Corner radius | 1.5–3 |
| Diameter range | — |
| Number of teeth | — |
| Corner radius | — |
| Standard | PWZ-NORM |
| Coating / grade | TAA |
| Shank | ConeFit |
| P Steel | |
| M Stainless steel | ● ● |
| K Cast iron | |
| N NF metals | |
| S Materials with difficult cutting properties | ● |
| H Hard materials | |
| O Other | |

Page in catalog

QR code



www.walter-tools.com/woc/

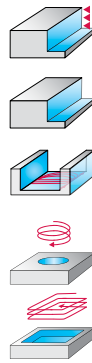
protostar-flash

WALTER SELECT

● ● Primary application ● Other application

D1

Shoulder milling cutters



| Designation | MC128 | MD128 | MD128 |
|------------------------------------------------------|----------|----------|----------|
| Diameter range | 10–25 | 10–25 | 10–25 |
| Number of teeth | 6–8 | 6–8 | 6–8 |
| Corner radius | 0.5–4 | 0.5–4 | 0.5–4 |
| Diameter range | — | — | — |
| Number of teeth | — | — | — |
| Corner radius | — | — | — |
| Standard | PWZ-NORM | PWZ-NORM | PWZ-NORM |
| Coating / grade | WJ30TF | WJ30RD | WJ30RA |
| Shank | ConeFit | ConeFit | ConeFit |
| P Steel | ●● | ●● | |
| M Stainless steel | ● | | ●● |
| K Cast iron | ● | ● | |
| N NF metals | | | |
| S Materials with difficult cutting properties | ● | | ●● |
| H Hard materials | | | |
| O Other | | | |

Page in catalog

QR code



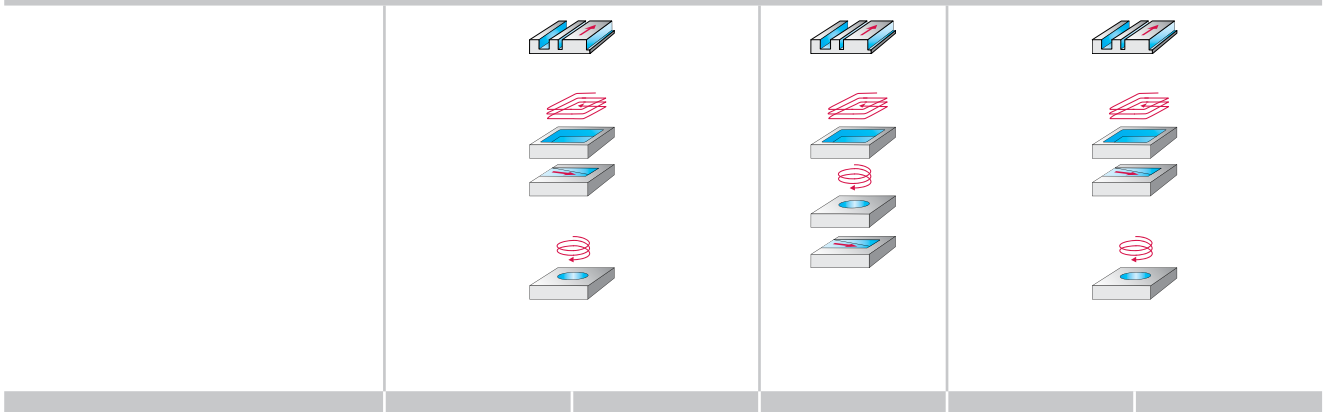
www.walter-tools.com/woc/

MC128

MD128

MD128

Shoulder/slot milling cutters



NEW

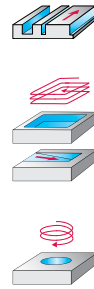
NEW



| Designation | MD340 | MC326 | MC320 | Proto-max™ _{ST} | Protostar® |
|--------------------------------------------------------------------------|---------|-------------|----------|--------------------------|------------|
| Diameter range | 10–20 | 10–25 | 10–25 | 10–20 | 10–25 |
| Number of teeth | 4 | 3–5 | 4–8 | 4 | 3 |
| Corner radius | 0.5–4 | 0.5–4 | 0.35–0.4 | 0.5–4 | |
| Diameter range | — | 0.375–1.000 | — | — | — |
| Number of teeth | | 4–5 | | | |
| Corner radius | | 0.015–0.125 | | | |
| Standard | P-NORM | PWZ-NORM | PWZ-NORM | PWZ-NORM | PWZ-NORM |
| Coating / grade | WJ30TP | WJ30TF | WJ30TF | TAZ | TAX |
| Shank | ConeFit | ConeFit | ConeFit | ConeFit | ConeFit |
| P Steel | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ● | ● | ● | ● | ● |
| K Cast iron | ● | ● | ● | ● | ● |
| N NF metals | | | | | |
| S Materials with difficult cutting properties | ● | ● | ● | | |
| H Hard materials | | | | | |
| O Other | | | | | |
| Page in catalog | 329 | 337 | | | |
| QR code | | | | | |
| www.walter-tools.com/woc/ | MD340 | MC326 | MC320 | protomax-st | protostar |

D1

Shoulder/slot milling cutters



NEW

NEW



| Designation | MD370 | Proto-max™Inox | MC267 | Protostar® |
|--------------------------------------------------------------------------|-------------|----------------|-------------|------------|
| Diameter range | 10–25 | 10–25 | 10–25 | 10–25 |
| Number of teeth | 4–5 | 4–5 | 2–3 | 2–3 |
| Corner radius | 0.5–4 | 0.5–4 | | |
| Diameter range | 0.375–1.000 | — | 0.375–1.000 | — |
| Number of teeth | 4–5 | | 3 | |
| Corner radius | | | | |
| Standard | PWZ-NORM | PWZ-NORM | P-NORM | PWZ-NORM |
| Coating / grade | WJ30RA | TAA | WJ30UU | uncoated |
| Shank | ConeFit | ConeFit | ConeFit | ConeFit |
| P Steel | | | | |
| M Stainless steel | ●● | ●● | | |
| K Cast iron | | | | |
| N NF metals | | | ●● | ●● |
| S Materials with difficult cutting properties | ● | ● | | |
| H Hard materials | | | | |
| O Other | | | | |
| Page in catalog | 331 | | 334 | |
| QR code | | | | |
| www.walter-tools.com/woc/ | MD370 | protomax-inox | MC267 | protostar |

D1

Copy milling cutters



NEW



| Designation | MC430 | Protostar® |
|-----------------------------------------------|-------------|-------------|
| Diameter range | 10–25 | 10–25 |
| Number of teeth | 2–4 | 2–4 |
| Corner radius | 5–12.5 | 5–12.5 |
| Diameter range | 0.375–1.000 | 0.375–1.000 |
| Number of teeth | 4 | 4 |
| Corner radius | 0.187–0.500 | 0.187–0.500 |
| Standard | PWZ-NORM | PWZ-NORM |
| Coating / grade | WJ30TP | TAX |
| Shank | ConeFit | ConeFit |
| P Steel | ●● | ●● |
| M Stainless steel | ●● | ●● |
| K Cast iron | ● | ● |
| N NF metals | ● | ● |
| S Materials with difficult cutting properties | | |
| H Hard materials | | |
| O Other | | |

Page in catalog 339

QR code



www.walter-tools.com/woc/

MC430

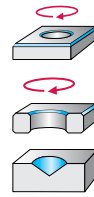
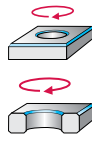
protostar

WALTER SELECT

●● Primary application ● Other application

D1

Profiling cutters



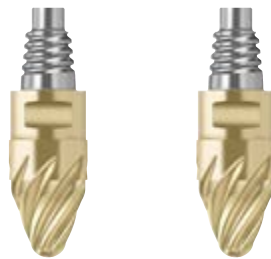
NEW

NEW



| | | | |
|--------------------------------------------------------------------------|--------------------|-------------|-------------|
| Designation | MC503 | MC500 | Protostar® |
| Diameter range | 10–20 | 10–16 | 10–20 |
| Number of teeth | 4 | 2–8 | 2–8 |
| Corner radius | | | |
| Diameter range | 0.394–0.984 | 0.500–0.625 | 0.500–0.625 |
| Number of teeth | 4 | 6–8 | 6–8 |
| Corner radius | | | |
| Standard | PWZ-NORM P-NORM | PWZ-NORM | PWZ-NORM |
| Coating / grade | WJ30TP | WJ30TP | TAX |
| Shank | ConeFit | ConeFit | ConeFit |
| P Steel | ●● | ●● | ●● |
| M Stainless steel | ● | ● | ● |
| K Cast iron | ● | ● | ● |
| N NF metals | ● | ● | ● |
| S Materials with difficult cutting properties | ● | ● | ● |
| H Hard materials | | | |
| O Other | | | |
| Page in catalog | 351 | 343 | |
| QR code | | | |
| www.walter-tools.com/woc/ | MC503 | MC500 | protostar |

Circle segment milling cutters



| Designation | MD838 | MD838 |
|------------------------------------------------------|----------|----------|
| Diameter range | 16 | 16 |
| Number of teeth | 8 | 8 |
| Corner radius | 2-4 | 2-4 |
| Diameter range | — | — |
| Number of teeth | — | — |
| Corner radius | — | — |
| Standard | PWZ-NORM | PWZ-NORM |
| Coating / grade | WJ30RD | WJ30RA |
| Shank | ConeFit | ConeFit |
| P Steel | ●● | ●● |
| M Stainless steel | ●● | ●● |
| K Cast iron | ● | ●● |
| N NF metals | ● | ● |
| S Materials with difficult cutting properties | ●● | ●● |
| H Hard materials | | |
| O Other | | |

Page in catalog

QR code



www.walter-tools.com/woc/

MD838

MD838

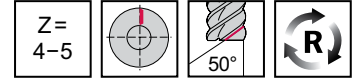
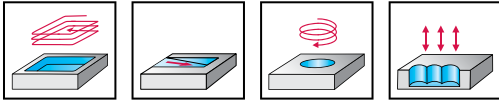
WALTER SELECT

●● Primary application ● Other application

D1

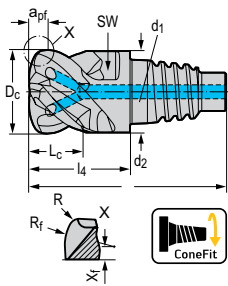
Solid carbide high-feed milling cutter

MD070



| | | | | | | | |
|-----------------------|---|----|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30RA (TiAlN + TiAl) | | ●● | | | ● | | |

Tool



| Designation | D _c h9 mm | L _c mm | X _f mm | R _f mm | R _{ers} mm | R mm | l ₁ mm | l ₄ mm | SW mm | d ₁ | Z | WJ30RA |
|---------------------|----------------------------|----------------------|----------------------|----------------------|------------------------|---------|----------------------|----------------------|----------|----------------|---|--------|
| ★ MD070-10.0E4P150- | 10 | 6 | 1.7 | 5 | 1.998 | 1.5 | 23.6 | 12.4 | 8 | E10 | 4 | ☹ |
| ★ MD070-12.0E4P150- | 12 | 7.5 | 2.25 | 6 | 2.103 | 1.5 | 28.3 | 14.5 | 10 | E12 | 4 | ☹ |
| ★ MD070-16.0E4P200- | 16 | 10 | 3.1 | 8 | 2.747 | 2 | 35.7 | 18.7 | 12 | E16 | 4 | ☹ |
| ★ MD070-20.0E4P200- | 20 | 12 | 4 | 10 | 3.072 | 2 | 40.8 | 21.3 | 16 | E20 | 4 | ☹ |
| ★ MD070-25.0E5P300- | 25 | 15 | 5 | 12 | 4.206 | 3 | 49.6 | 25.6 | 20 | E25 | 5 | ☹ |

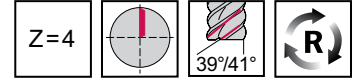
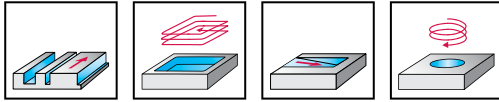
ConeFit

Ordering example for the grade WJ30RA: MD070-10.0E4P150-WJ30RA

D1

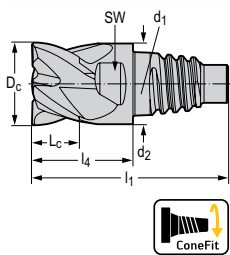
Solid carbide shoulder/slot milling cutters

MD340



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

Tool



| Designation | D _c h9 mm | l ₁₁ mm | L _c mm | d ₂ mm | l ₁ mm | l ₄ mm | SW mm | d ₁ | Z | WJ30TP |
|------------------|----------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------|----------------|---|--------|
| ★ MD340-10.0E4P- | 10 | 0.2 | 5.5 | 9.7 | 24 | 12 | 8 | E10 | 4 | ☺ |
| ★ MD340-12.0E4P- | 12 | 0.24 | 6.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☺ |
| ★ MD340-16.0E4P- | 16 | 0.32 | 8.5 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☺ |
| ★ MD340-20.0E4P- | 20 | 0.4 | 11 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☺ |

ConeFit

Ordering example for the grade WJ30TP: MD340-10.0E4P-WJ30TP

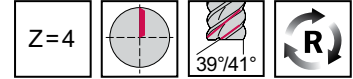
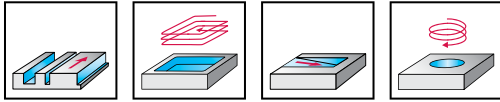
D1

WALTER
SELECT

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

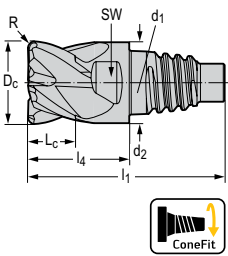
Solid carbide shoulder/slot milling cutters

MD340 mm



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | ● | ● |

Tool



ConeFit

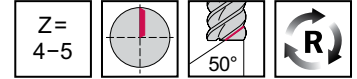
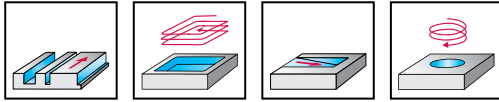


| Designation | D _c h9 mm | R mm | L _c mm | d ₂ mm | l ₁ mm | l ₄ mm | SW mm | d ₁ | Z | WJ30TP |
|---------------------|----------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------|----------------|---|--------|
| ★ MD340-10.0E4P050- | 10 | 0.5 | 5.5 | 9.7 | 24 | 12 | 8 | E10 | 4 | ☹ |
| ★ MD340-10.0E4P100- | 10 | 1 | 5.5 | 9.7 | 24 | 12 | 8 | E10 | 4 | ☹ |
| ★ MD340-12.0E4P050- | 12 | 0.5 | 6.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☹ |
| ★ MD340-12.0E4P100- | 12 | 1 | 6.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☹ |
| ★ MD340-12.0E4P150- | 12 | 1.5 | 6.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☹ |
| ★ MD340-12.0E4P200- | 12 | 2 | 6.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☹ |
| ★ MD340-16.0E4P050- | 16 | 0.5 | 8.5 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☹ |
| ★ MD340-16.0E4P100- | 16 | 1 | 8.5 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☹ |
| ★ MD340-16.0E4P200- | 16 | 2 | 8.5 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☹ |
| ★ MD340-16.0E4P300- | 16 | 3 | 8.5 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☹ |
| ★ MD340-20.0E4P050- | 20 | 0.5 | 11 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☹ |
| ★ MD340-20.0E4P100- | 20 | 1 | 11 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☹ |
| ★ MD340-20.0E4P200- | 20 | 2 | 11 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☹ |
| ★ MD340-20.0E4P300- | 20 | 3 | 11 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☹ |
| ★ MD340-20.0E4P400- | 20 | 4 | 11 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☹ |

Ordering example for the grade WJ30TP: MD340-10.0E4P050-WJ30TP

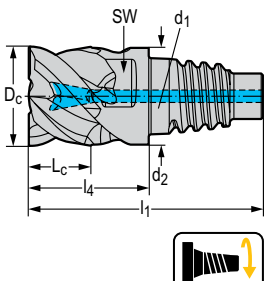
Solid carbide shoulder/slot milling cutters

MD370 mm



| | | | | | | | |
|-----------------------|---|----|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30RA (TiAlN + TiAl) | | ●● | | | ● | | |

Tool



| Designation | D _c mm | h ₁₁ mm | L _c mm | d ₂ mm | h ₁ mm | l ₄ mm | SW mm | d ₁ | Z | WJ30RA |
|------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------|----------------|---|--------|
| ★ MD370-10.0E4P- | 10 | 0.1 | 6 | 9.7 | 24 | 12 | 8 | E10 | 4 | ☺ |
| ★ MD370-12.0E4P- | 12 | 0.1 | 7.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☺ |
| ★ MD370-16.0E4P- | 16 | 0.15 | 10 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☺ |
| ★ MD370-20.0E4P- | 20 | 0.15 | 12 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☺ |
| ★ MD370-25.0E5P- | 25 | 0.15 | 15 | 24.2 | 50 | 26 | 20 | E25 | 5 | ☺ |

ConeFit

Ordering example for the grade WJ30RA: MD370-10.0E4P-WJ30RA

D1

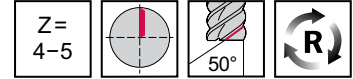
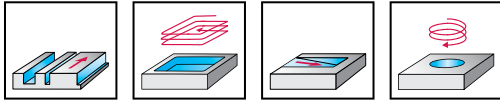
WALTER SELECT

●● Primary application ● Other application

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

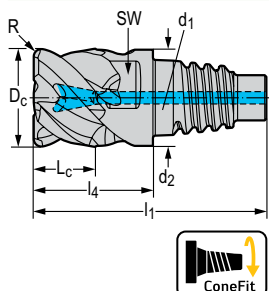
Solid carbide shoulder/slot milling cutters

MD370 mm



| | | | | | | | |
|-----------------------|---|----|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30RA (TiAlN + TiAl) | | ●● | | | ● | | |

Tool



ConeFit



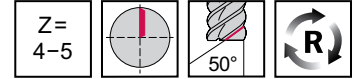
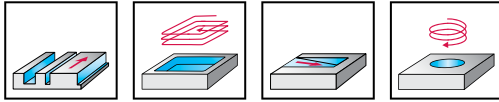
| Designation | D _c mm | R mm | L _c mm | d ₂ mm | l ₁ mm | l ₄ mm | SW mm | d ₁ | Z | WJ30RA |
|---------------------|----------------------|---------|----------------------|----------------------|----------------------|----------------------|----------|----------------|---|--------|
| ★ MD370-10.0E4P050- | 10 | 0.5 | 6 | 9.7 | 24 | 12 | 8 | E10 | 4 | ☺ |
| ★ MD370-10.0E4P100- | 10 | 1 | 6 | 9.7 | 24 | 12 | 8 | E10 | 4 | ☺ |
| ★ MD370-10.0E4P150- | 10 | 1.5 | 6 | 9.7 | 24 | 12 | 8 | E10 | 4 | ☺ |
| ★ MD370-10.0E4P200- | 10 | 2 | 6 | 9.7 | 24 | 12 | 8 | E10 | 4 | ☺ |
| ★ MD370-10.0E4P300- | 10 | 3 | 6 | 9.7 | 24 | 12 | 8 | E10 | 4 | ☺ |
| ★ MD370-12.0E4P050- | 12 | 0.5 | 7.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☺ |
| ★ MD370-12.0E4P100- | 12 | 1 | 7.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☺ |
| ★ MD370-12.0E4P150- | 12 | 1.5 | 7.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☺ |
| ★ MD370-12.0E4P200- | 12 | 2 | 7.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☺ |
| ★ MD370-12.0E4P300- | 12 | 3 | 7.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☺ |
| ★ MD370-12.0E4P400- | 12 | 4 | 7.5 | 11.7 | 28 | 15 | 10 | E12 | 4 | ☺ |
| ★ MD370-16.0E4P100- | 16 | 1 | 10 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☺ |
| ★ MD370-16.0E4P200- | 16 | 2 | 10 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☺ |
| ★ MD370-16.0E4P300- | 16 | 3 | 10 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☺ |
| ★ MD370-16.0E4P400- | 16 | 4 | 10 | 15.5 | 36 | 19 | 12 | E16 | 4 | ☺ |
| ★ MD370-20.0E4P100- | 20 | 1 | 12 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☺ |
| ★ MD370-20.0E4P200- | 20 | 2 | 12 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☺ |
| ★ MD370-20.0E4P300- | 20 | 3 | 12 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☺ |
| ★ MD370-20.0E4P400- | 20 | 4 | 12 | 19.3 | 41 | 21 | 16 | E20 | 4 | ☺ |
| ★ MD370-25.0E5P100- | 25 | 1 | 15 | 24.2 | 50 | 26 | 20 | E25 | 5 | ☺ |
| ★ MD370-25.0E5P200- | 25 | 2 | 15 | 24.2 | 50 | 26 | 20 | E25 | 5 | ☺ |
| ★ MD370-25.0E5P300- | 25 | 3 | 15 | 24.2 | 50 | 26 | 20 | E25 | 5 | ☺ |
| ★ MD370-25.0E5P400- | 25 | 4 | 15 | 24.2 | 50 | 26 | 20 | E25 | 5 | ☺ |

Ordering example for the grade WJ30RA: MD370-10.0E4P050-WJ30RA

D1

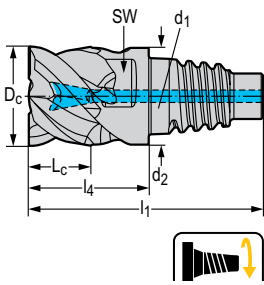
Solid carbide shoulder/slot milling cutters

MD370 inch



| | | | | | | | |
|-----------------------|---|----|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30RA (TiAlN + TiAl) | | ●● | | | ● | | |

Tool



| Designation | D _c inch | h ₁₁ inch | L _c inch | d ₂ inch | h ₁ inch | l ₄ inch | SW inch | d ₁ | Z | WJ30RA |
|------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------|----------------|---|--------|
| ★ MD370.9.53E4P- | 0.3750 | 0.004 | 0.236 | 0.364 | 0.929 | 0.488 | 0.315 | E10 | 4 | ☺ |
| ★ MD370.12.7E4P- | 0.5000 | 0.006 | 0.315 | 0.484 | 1.114 | 0.571 | 0.394 | E12 | 4 | ☺ |
| ★ MD370.15.9E4P- | 0.6250 | 0.006 | 0.394 | 0.61 | 1.406 | 0.724 | 0.472 | E16 | 4 | ☺ |
| ★ MD370.19.1E4P- | 0.7500 | 0.006 | 0.453 | 0.728 | 1.606 | 0.839 | 0.630 | E20 | 4 | ☺ |
| ★ MD370.25.4E5P- | 1.0000 | 0.006 | 0.61 | 0.965 | 1.953 | 1.008 | 0.787 | E25 | 5 | ☺ |

ConeFit

Ordering example for the grade WJ30RA: MD370.12.7E4P-WJ30RA

D1

**WALTER
SELECT**

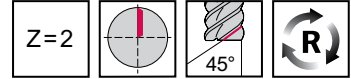
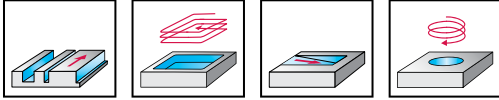
●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide shoulder/slot milling cutters

MC267 mm



- Type Al 45



| | | | | | | | |
|-------------------|---|---|---|----|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30UU (uncoated) | | | | ●● | | | |

| Tool | Designation | D _c h10 mm | l ₁₁ mm | L _c mm | l ₄ mm | l ₁ mm | SW mm | d ₁ | Z | WJ30UU |
|------|------------------|-----------------------------|-----------------------|----------------------|----------------------|----------------------|----------|----------------|---|--------|
| | ★ MC267-10.0E2P- | 10 | 0.1 | 5.5 | 12.4 | 23.6 | 8 | E10 | 2 | ☹ |
| | ★ MC267-12.0E2P- | 12 | 0.1 | 6.5 | 14.5 | 28.3 | 10 | E12 | 2 | ☹ |
| | ★ MC267-16.0E2P- | 16 | 0.15 | 8.5 | 18.7 | 35.7 | 12 | E16 | 2 | ☹ |

ConeFit

Slot milling $a_p \leq 1.0 \times D_c$ | Shoulder milling $a_e \leq 0.3 \times D_c$ | Ordering example for the grade WJ30UU: MC267-10.0E2P-WJ30UU

D1

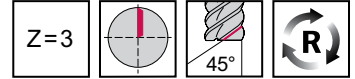
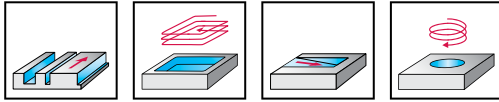
| | | |
|----------------------|----------------------------------------------------------------------------|----------------------------------------------|
| WALTER SELECT | | ●● Primary application ● Other application |
| | Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions | |

Solid carbide shoulder/slot milling cutters

MC267



- Type AI 45



| | | | | | | | |
|-------------------|---|---|---|----|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30UU (uncoated) | | | | ●● | | | |

| Tool | Designation | D _c h10 mm | l ₁₁ mm | L _c mm | l ₄ mm | l ₁ mm | SW mm | d ₁ | Z | WJ30UU |
|------|------------------|-----------------------------|-----------------------|----------------------|----------------------|----------------------|----------|----------------|---|--------|
| | ★ MC267-10.0E3P- | 10 | 0.1 | 5.5 | 12.4 | 23.6 | 8 | E10 | 3 | ☹ |
| | ★ MC267-12.0E3P- | 12 | 0.1 | 6.5 | 14.5 | 28.3 | 10 | E12 | 3 | ☹ |
| | ★ MC267-16.0E3P- | 16 | 0.15 | 8.5 | 18.7 | 35.7 | 12 | E16 | 3 | ☹ |
| | ★ MC267-20.0E3P- | 20 | 0.15 | 11 | 21.3 | 40.8 | 16 | E20 | 3 | ☹ |
| | ★ MC267-25.0E3P- | 25 | 0.15 | 13.5 | 25.6 | 49.6 | 20 | E25 | 3 | ☹ |

ConeFit

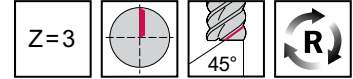
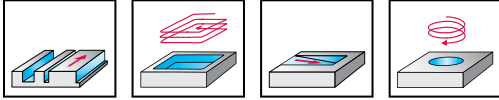
Slot milling $a_p \leq 1.0 \times D_c$ | Shoulder milling $a_e \leq 0.3 \times D_c$ | Ordering example for the grade WJ30UU: MC267-10.0E3P-WJ30UU

Solid carbide shoulder/slot milling cutters

MC267 inch

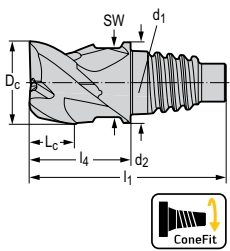


- Type Al 45



| | | | | | | | |
|-------------------|---|---|---|----|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30UU (uncoated) | | | | ●● | | | |

Tool



| Designation | D _c h10 inch | l ₁₁ inch | L _c inch | l ₄ inch | l ₁ inch | SW inch | d ₁ | Z | WJ30UU |
|------------------|-------------------------------|-------------------------|------------------------|------------------------|------------------------|------------|----------------|---|--------|
| ★ MC267.9.53E3P- | 0.3750 | 0.004 | 0.209 | 0.488 | 0.929 | 0.315 | E10 | 3 | ☹ |
| ★ MC267.12.7E3P- | 0.5000 | 0.004 | 0.276 | 0.575 | 1.114 | 0.394 | E12 | 3 | ☹ |
| ★ MC267.15.9E3P- | 0.6250 | 0.006 | 0.335 | 0.736 | 1.406 | 0.472 | E16 | 3 | ☹ |
| ★ MC267.19.1E3P- | 0.7500 | 0.006 | 0.413 | 0.839 | 1.606 | 0.630 | E20 | 3 | ☹ |
| ★ MC267.25.4E3P- | 1.0000 | 0.006 | 0.551 | 1.008 | 1.953 | 0.787 | E25 | 3 | ☹ |

ConeFit

Slot milling $a_p \leq 1.0 \times D_c$ | Shoulder milling $a_e \leq 0.3 \times D_c$ | Ordering example for the grade WJ30UU: MC267.12.7E3P-WJ30UU

D1

WALTER SELECT ●● Primary application ● Other application

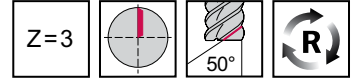
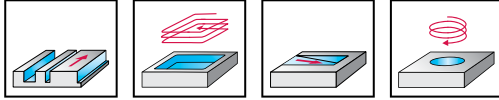
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide shoulder/slot milling cutters

MC326



- Type N 50



| | | | | | | | |
|----------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TF (TiAlN) | ●● | ● | ● | ● | ● | | |

| Tool | | D _c h10 mm | h ₁₁ mm | L _c mm | d ₂ mm | h ₁ mm | l ₄ mm | SW mm | d ₁ | Z | WJ30TF |
|------|------------------|-----------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------|----------------|---|--------|
| | ★ MC326-10.0E3P- | 10 | 0.1 | 5.5 | 9.7 | 23.6 | 12.4 | 8 | E10 | 3 | ☹ |
| | ★ MC326-12.0E3P- | 12 | 0.1 | 6.5 | 11.7 | 28.3 | 14.5 | 10 | E12 | 3 | ☹ |
| | ★ MC326-16.0E3P- | 16 | 0.15 | 8.5 | 15.5 | 35.7 | 18.7 | 12 | E16 | 3 | ☹ |
| | ★ MC326-20.0E3P- | 20 | 0.15 | 11 | 19.3 | 40.8 | 21.3 | 16 | E20 | 3 | ☹ |
| | ★ MC326-25.0E3P- | 25 | 0.15 | 13.5 | 24.2 | 49.6 | 25.6 | 20 | E25 | 3 | ☹ |

ConeFit

Ordering example for the grade WJ30TF: MC326-10.0E3P-WJ30TF

D1

WALTER SELECT ●● Primary application ● Other application

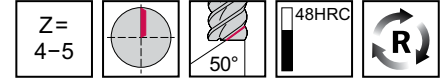
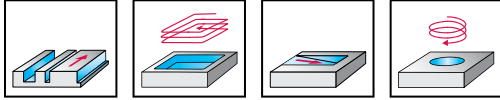
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide shoulder/slot milling cutters

MC326 inch



- Type N 50



| | | | | | | | |
|----------------|---|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TF (TiAlN) | ● | ● | ● | ● | ● | | |

| Tool | Designation | D _c h9 | D _c h9 inch | R inch | L _c inch | d ₂ inch | l ₁ inch | l ₄ inch | SW inch | d ₁ | Z | WJ30TF |
|----------------|---------------------|----------------------|------------------------------|-----------|------------------------|------------------------|------------------------|------------------------|------------|----------------|---|--------|
| <p>ConeFit</p> | MC326.9.53E4P038- | 3/8" | 0.3750 | 0.015 | 0.209 | 0.364 | 0.929 | 0.488 | 0.315 | E10 | 4 | ☺ |
| | MC326.9.53E4P076- | 3/8" | 0.3750 | 0.030 | 0.209 | 0.364 | 0.929 | 0.488 | 0.315 | E10 | 4 | ☺ |
| | MC326.12.7E4P038- | 1/2" | 0.5000 | 0.015 | 0.276 | 0.484 | 1.114 | 0.575 | 0.394 | E12 | 4 | ☺ |
| | MC326.12.7E4P076- | 1/2" | 0.5000 | 0.030 | 0.276 | 0.484 | 1.114 | 0.575 | 0.394 | E12 | 4 | ☺ |
| | MC326.12.7E4P152- | 1/2" | 0.5000 | 0.060 | 0.276 | 0.484 | 1.114 | 0.575 | 0.394 | E12 | 4 | ☺ |
| | ★ MC326.15.9E4P076- | 5/8" | 0.6250 | 0.030 | 0.335 | 0.61 | 1.406 | 0.736 | 0.472 | E16 | 4 | ☹ |
| | MC326.15.9E4P152- | 5/8" | 0.6250 | 0.060 | 0.335 | 0.61 | 1.406 | 0.736 | 0.472 | E16 | 4 | ☺ |
| | MC326.19.1E4P152- | 3/4" | 0.7500 | 0.060 | 0.413 | 0.728 | 1.606 | 0.839 | 0.630 | E20 | 4 | ☺ |
| | MC326.19.1E4P318- | 3/4" | 0.7500 | 0.125 | 0.413 | 0.728 | 1.606 | 0.839 | 0.630 | E20 | 4 | ☺ |
| | MC326.25.4E5P152- | 1" | 1.0000 | 0.060 | 0.551 | 0.965 | 1.953 | 1.008 | 0.787 | E25 | 5 | ☺ |
| | MC326.25.4E5P318- | 1" | 1.0000 | 0.125 | 0.551 | 0.965 | 1.953 | 1.008 | 0.787 | E25 | 5 | ☺ |

Slot milling $a_p \leq 0.4 \times D_c$ | Shoulder milling $a_e \leq 0.5 \times D_c$ | Ordering example for the grade WJ30TF: MC326.12.7E4P038-WJ30TF

D1

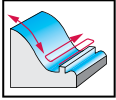
WALTER SELECT

●● Primary application ● Other application

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

Solid carbide ball-nose copy milling cutters

MC430 mm



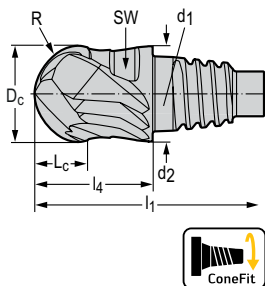
Z=2

48HRC

40°

| | | | | | | | |
|--------------------|----|----|----|----|----|----|----|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ●● | ●● | ●● | ●● | ●● | ●● |

Tool



ConeFit

| Designation | R mm | D _c h9 mm | d ₂ mm | L _c mm | l ₄ mm | l ₁ mm | SW mm | d ₁ | Z | WJ30TP |
|------------------|------|----------------------|-------------------|-------------------|-------------------|-------------------|-------|----------------|---|--------|
| ★ MC430-10.0E2P- | 5 | 10 | 9.7 | 5.5 | 12.4 | 23.6 | 8 | E10 | 2 | ☹️ |
| ★ MC430-12.0E2P- | 6 | 12 | 11.7 | 6.5 | 14.5 | 28.3 | 10 | E12 | 2 | ☹️ |
| ★ MC430-16.0E2P- | 8 | 16 | 15.5 | 8.5 | 18.7 | 35.7 | 12 | E16 | 2 | ☹️ |
| ★ MC430-20.0E2P- | 10 | 20 | 19.3 | 11 | 21.3 | 40.8 | 16 | E20 | 2 | ☹️ |

Ordering example for the grade WJ30TP: MC430-10.0E2P-WJ30TP

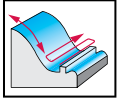
D1

WALTER SELECT

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

Solid carbide ball-nose copy milling cutters

MC430 mm



| | | | | | | | |
|--------------------|----|----|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ●● | ● | ● | | | |

| Tool | | R | D _c | d ₂ | L _c | l ₄ | l ₁ | SW | d ₁ | Z | WJ30TP |
|-------------|-------------------|----|----------------|----------------|----------------|----------------|----------------|----|----------------|---|--------|
| Designation | | mm | h9 mm | mm | mm | mm | mm | mm | mm | | |
| | ★ MC430-10.0E2PS- | 5 | 10 | 9.7 | 8 | 11.8 | 23 | 6 | E10 | 2 | ☹ |
| | ★ MC430-12.0E2PS- | 6 | 12 | 11.7 | 10 | 14 | 27.8 | 8 | E12 | 2 | ☹ |
| | ★ MC430-16.0E2PS- | 8 | 16 | 15.5 | 13 | 18.1 | 35.1 | 10 | E16 | 2 | ☹ |

ConeFit

Ordering example for the grade WJ30TP: MC430-10.0E2PS-WJ30TP

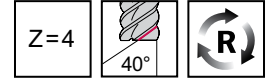
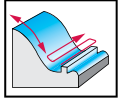
D1

WALTER SELECT ●● Primary application ● Other application

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

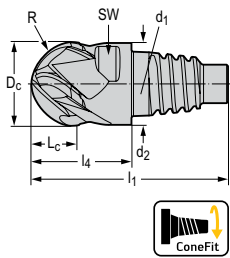
Solid carbide ball-nose copy milling cutters

MC430 mm



| | | | | | | | |
|--------------------|----|----|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ●● | ● | ● | | | |

Tool



ConeFit

| Designation | R mm | D _c h9 mm | d ₂ mm | L _c mm | l ₄ mm | l ₁ mm | SW mm | d ₁ | Z | WJ30TP |
|------------------|------|----------------------|-------------------|-------------------|-------------------|-------------------|-------|----------------|---|--------|
| ★ MC430-10.0E4P- | 5 | 10 | 9.7 | 5.5 | 12.4 | 23.6 | 8 | E10 | 4 | ☹ |
| ★ MC430-12.0E4P- | 6 | 12 | 11.7 | 6.5 | 14.5 | 28.3 | 10 | E12 | 4 | ☹ |
| ★ MC430-16.0E4P- | 8 | 16 | 15.5 | 8.5 | 18.7 | 35.7 | 12 | E16 | 4 | ☹ |
| ★ MC430-20.0E4P- | 10 | 20 | 19.3 | 11 | 21.3 | 40.8 | 16 | E20 | 4 | ☹ |
| ★ MC430-25.0E4P- | 12.5 | 25 | 24.2 | 13.5 | 25.6 | 49.6 | 20 | E25 | 4 | ☹ |

Ordering example for the grade WJ30TP: MC430-10.0E4P-WJ30TP

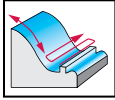
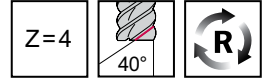
D1

**WALTER
SELECT**

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

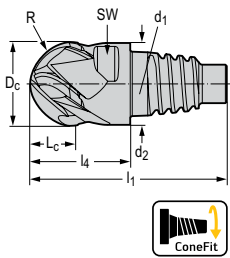
Solid carbide ball-nose copy milling cutters

MC430 inch



| | | | | | | | |
|--------------------|----|----|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ●● | ● | ● | | | |

Tool



ConeFit

| Designation | R inch | D _c h9 inch | d ₂ inch | L _c inch | l ₄ inch | l ₁ inch | SW inch | d ₁ | Z | WJ30TP |
|------------------|-----------|------------------------------|------------------------|------------------------|------------------------|------------------------|------------|----------------|---|--------|
| ★ MC430.9.53E4P- | 0.187 | 0.3750 | 0.364 | 0.209 | 0.488 | 0.929 | 0.315 | E10 | 4 | ☺ |
| ★ MC430.12.7E4P- | 0.250 | 0.5000 | 0.484 | 0.276 | 0.575 | 1.114 | 0.394 | E12 | 4 | ☺ |
| ★ MC430.15.9E4P- | 0.312 | 0.6250 | 0.61 | 0.335 | 0.736 | 1.406 | 0.472 | E16 | 4 | ☺ |
| ★ MC430.19.1E4P- | 0.375 | 0.7500 | 0.728 | 0.413 | 0.839 | 1.606 | 0.630 | E20 | 4 | ☺ |
| ★ MC430.25.4E4P- | 0.500 | 1.0000 | 0.965 | 0.551 | 1.008 | 1.953 | 0.787 | E25 | 4 | ☺ |

Ordering example for the grade WJ30TP: MC430.12.7E4P-WJ30TP

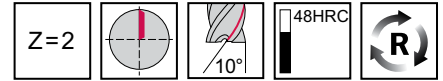
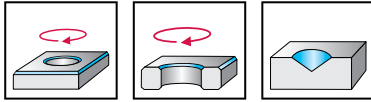
D1

60° solid carbide chamfer mill

MC500

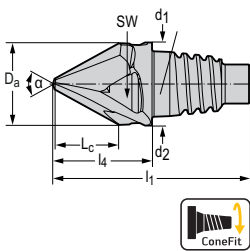


- Typ chamfer mill 60°



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

Tool



| Designation | D _c mm | D _a mm | d ₂ mm | L _c mm | l ₁ mm | l ₄ mm | α | SW mm | d ₁ | Z | WJ30TP |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----|----------|----------------|---|--------|
| ★ MC500-10.0E2P060S- | 1.5 | 10 | 9.7 | 7.23 | 23 | 12 | 60° | 6 | E10 | 2 | ☹ |
| ★ MC500-12.0E2P060S- | 1.5 | 12 | 11.7 | 7.73 | 28 | 14 | 60° | 8 | E12 | 2 | ☹ |

ConeFit

Ordering example for the grade WJ30TP: MC500-10.0E2P060S-WJ30TP

D1

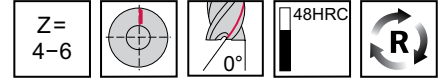
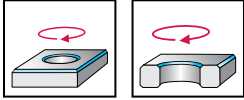
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

60° solid carbide chamfer mill

MC500

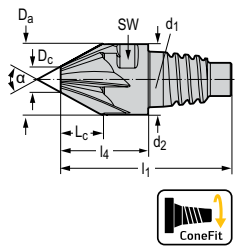


- Typ chamfer mill 60°



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

Tool



| Designation | D _c mm | D _a mm | d ₂ mm | L _c mm | l ₁ mm | l ₄ mm | α | SW mm | d ₁ | Z | WJ30TP |
|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----|----------|----------------|---|--------|
| ★ MC500-10.0E4P060- | 3.5 | 10 | 9.7 | 5.6 | 24 | 12 | 60° | 8 | E10 | 4 | ☹☹ |
| ★ MC500-12.0E6P060- | 4.5 | 12 | 11.7 | 6.5 | 28 | 15 | 60° | 10 | E12 | 6 | ☹☹ |

ConeFit

Ordering example for the grade WJ30TP: MC500-10.0E4P060-WJ30TP

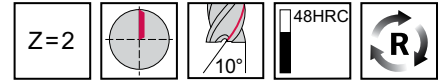
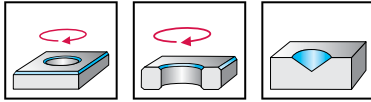
D1

90° solid carbide chamfer mill

MC500

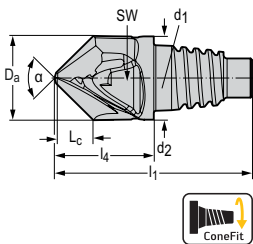


- Typ chamfer mill 90°



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

Tool



| Designation | D _c mm | D _a mm | d ₂ mm | L _c mm | l ₁ mm | l ₄ mm | α | SW mm | d ₁ | Z | WJ30TP |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----|----------|----------------|---|--------|
| ★ MC500-10.0E2P090S- | 1.5 | 10 | 9.7 | 4.23 | 23 | 12 | 90° | 6 | E10 | 2 | ☺ |
| ★ MC500-12.0E2P090S- | 1.5 | 12 | 11.7 | 5.23 | 28 | 14 | 90° | 8 | E12 | 2 | ☺ |
| ★ MC500-16.0E2P090S- | 1.5 | 16 | 15.5 | 7.23 | 35 | 18 | 90° | 10 | E16 | 2 | ☺ |

ConeFit

Ordering example for the grade WJ30TP: MC500-10.0E2P090S-WJ30TP

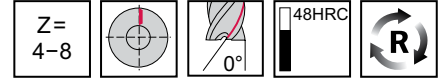
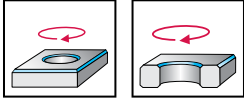
D1

90° solid carbide chamfer mill

MC500



- Typ chamfer mill 90°



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

| Tool | Designation | D _c mm | D _a mm | d ₂ mm | L _c mm | l ₁ mm | l ₄ mm | α | SW mm | d ₁ | Z | WJ30TP |
|------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----|----------|----------------|---|--------|
| | ★ MC500-10.0E4P090- | 1.5 | 10 | 9.7 | 4.25 | 24 | 12 | 90° | 8 | E10 | 4 | ☹ |
| | ★ MC500-12.0E6P090- | 3 | 12 | 11.7 | 4.5 | 28 | 13 | 90° | 10 | E12 | 6 | ☹ |
| | ★ MC500-16.0E8P090- | 3 | 16 | 15.5 | 6.5 | 36 | 17 | 90° | 12 | E16 | 8 | ☹ |

Ordering example for the grade WJ30TP: MC500-10.0E4P090-WJ30TP

D1

WALTER SELECT

●● Primary application ● Other application

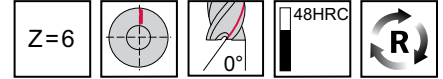
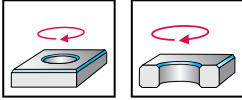
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

90° solid carbide chamfer mill

MC500 inch



- Typ chamfer mill 90°



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | ● | ● |

| Tool | | | | | | | | | | | | WJ30TP |
|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----|------------|----------------|---|---|--------|
| Designation | D _c inch | D _a inch | d ₂ inch | L _c inch | l ₁ inch | l ₄ inch | α | SW inch | d ₁ | Z | | |
| ★ MC500.12.7E6P090- | 0.1181 | 0.500 | 0.484 | 0.191 | 1.114 | 0.512 | 90° | 0.394 | E12 | 6 | ☹ | |
| ★ MC500.15.9E6P090- | 0.2559 | 0.625 | 0.61 | 0.256 | 1.406 | 0.677 | 90° | 0.472 | E16 | 8 | ☹ | |

ConeFit

Ordering example for the grade WJ30TP: MC500.12.7E6P090-WJ30TP

D1

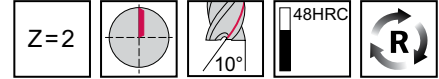
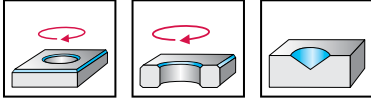
| | |
|----------------------|----------------------------------------------------------------------------------------------------------------------------|
| WALTER SELECT | ●● Primary application ● Other application Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions |
|----------------------|--------------------------------------------------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

120° solid carbide chamfer mill

MC500

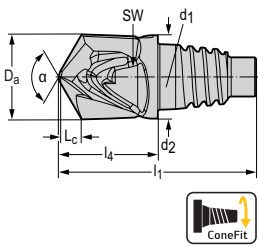


- Typ chamfer mill 120°



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

Tool



ConeFit

| Designation | D _c mm | D _a mm | d ₂ mm | L _c mm | l ₁ mm | l ₄ mm | α | SW mm | d ₁ | Z | WJ30TP |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|----------|----------------|---|--------|
| ★ MC500-10.0E2P120S- | 1.5 | 10 | 9.7 | 2.43 | 23 | 12 | 120° | 6 | E10 | 2 | ☹ |
| ★ MC500-12.0E2P120S- | 1.5 | 12 | 11.7 | 3.03 | 28 | 14 | 120° | 8 | E12 | 2 | ☹ |

Ordering example for the grade WJ30TP: MC500-10.0E2P120S-WJ30TP

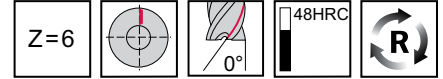
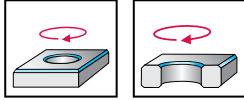
D1

120° solid carbide chamfer mill

MC500 mm



- Typ chamfer mill 120°



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

| Tool | | D _c mm | D _a mm | d ₂ mm | L _c mm | l ₁ mm | l ₄ mm | α | SW mm | d ₁ | Z | WJ30TP |
|------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|----------|----------------|---|--------|
| | Designation | | | | | | | | | | | |
| | ★ MC500-12.0E6P120- | 3 | 12 | 11.7 | 2.6 | 28 | 14 | 120° | 10 | E12 | 6 | 🚫 |

ConeFit

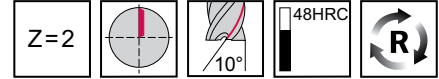
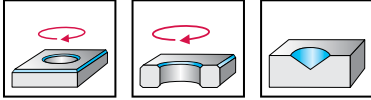
Ordering example for the grade WJ30TP: MC500-12.0E6P120-WJ30TP

150° solid carbide chamfer mill

MC500

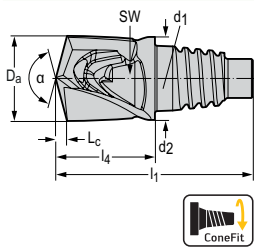


- Typ chamfer mill 150°



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

Tool



Designation
★ MC500-12.0E2P150S-

| Designation | D _c mm | D _a mm | d ₂ mm | L _c mm | l ₁ mm | l ₄ mm | α | SW mm | d ₁ | Z | WJ30TP |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------|----------|----------------|---|--------|
| ★ MC500-12.0E2P150S- | 1.5 | 12 | 11.7 | 1.6 | 28 | 14 | 150° | 8 | E12 | 2 | ●● |

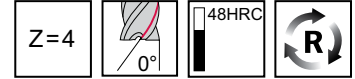
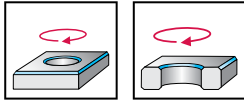
ConeFit

Ordering example for the grade WJ30TP: MC500-12.0E2P150S-WJ30TP

D1

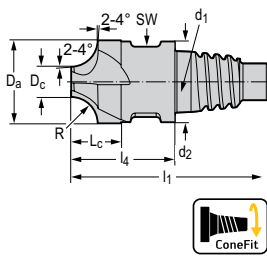
Solid carbide quarter-round profile mill

MC503



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

Tool



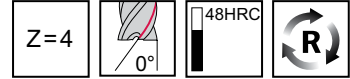
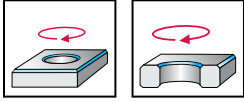
| Designation | R mm | D _c mm | D _a mm | d ₂ mm | L _c mm | l ₁ mm | l ₄ mm | SW mm | d ₁ | Z | WJ30TP |
|---------------------|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|----------------|---|--------|
| ★ MC503-10.0E4P100- | 1 | 5 | 10 | 9.7 | 1 | 23.6 | 12.4 | 8 | E10 | 4 | ☹ |
| ★ MC503-10.0E4P200- | 2 | 5 | 10 | 9.7 | 2 | 23.6 | 12.4 | 8 | E10 | 4 | ☹ |
| ★ MC503-10.0E4P300- | 3 | 4 | 10 | 9.7 | 3 | 23.6 | 12.4 | 8 | E10 | 4 | ☹ |
| ★ MC503-12.0E4P300- | 3 | 5 | 12 | 11.7 | 3 | 28.3 | 14.5 | 10 | E12 | 4 | ☹ |
| ★ MC503-16.0E4P400- | 4 | 6 | 16 | 15.5 | 4 | 35.7 | 18.7 | 12 | E16 | 4 | ☹ |
| ★ MC503-16.0E4P500- | 5 | 6 | 16 | 15.5 | 5 | 35.7 | 18.7 | 12 | E16 | 4 | ☹ |
| ★ MC503-20.0E4P600- | 6 | 8 | 20 | 19.3 | 6 | 40.8 | 21.3 | 16 | E20 | 4 | ☹ |

ConeFit

Ordering example for the grade WJ30TP: MC503-10.0E4P100-WJ30TP

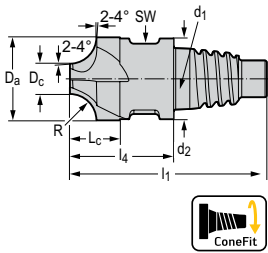
Solid carbide quarter-round profile mill

MC503 inch



| | | | | | | | |
|--------------------|----|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| WJ30TP (TiAlN/ZrN) | ●● | ● | ● | ● | ● | | |

Tool

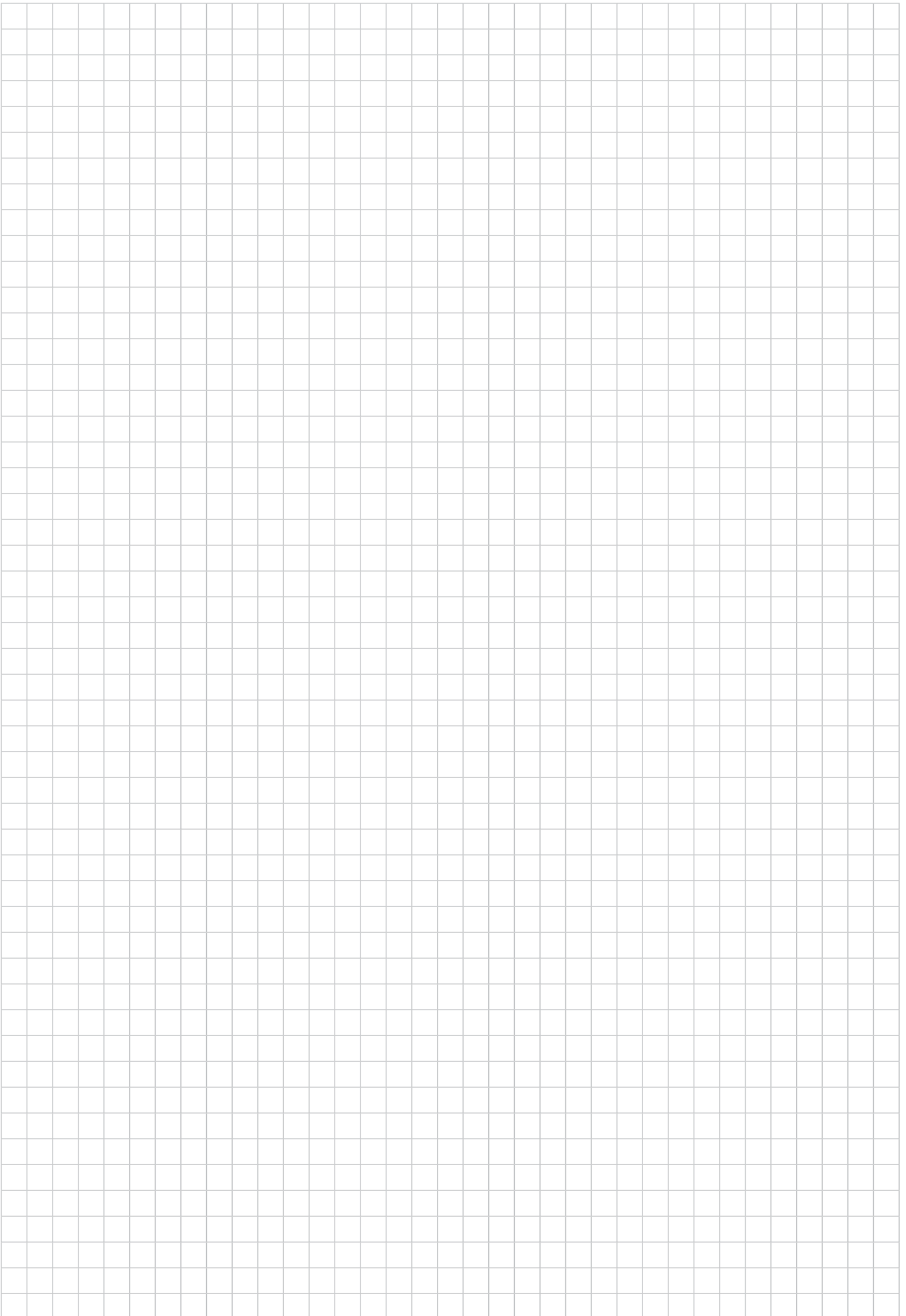


ConeFit

| Designation | R inch | D _c inch | D _a inch | d ₂ inch | L _c inch | l ₁ inch | l ₄ inch | SW inch | d ₁ | Z | WJ30TP |
|---------------------|-----------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------|----------------|---|--------|
| ★ MC503.10.0E4P318- | 0.125 | 0.1437 | 0.394 | 0.382 | 0.125 | 0.929 | 0.488 | 0.315 | E10 | 4 | ☹ |
| ★ MC503.16.0E4P476- | 0.187 | 0.2551 | 0.630 | 0.61 | 0.187 | 1.406 | 0.736 | 0.472 | E16 | 4 | ☹ |
| ★ MC503.20.0E4P635- | 0.250 | 0.2874 | 0.787 | 0.760 | 0.250 | 1.606 | 0.839 | 0.630 | E20 | 4 | ☹ |
| ★ MC503.25.0E4P794- | 0.312 | 0.3150 | 0.984 | 0.953 | 0.312 | 1.953 | 1.008 | 0.787 | E25 | 4 | ☹ |

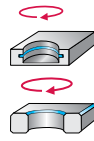
Ordering example for the grade WJ30TP: MC503.10.0E4P318-WJ30TP

D1



D1

Solid carbide milling tools with modular interface



| Designation | MG545 | MG520 | MG515 | MG510 |
|------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Diameter range | 9.7–21.7 | 6.7–27.7 | 11.7–36.7 | 6.7–39.7 |
| Number of teeth | 3–6 | 3–6 | 6 | 3–6 |
| Corner radius | | | | |
| Diameter range | — | — | — | 0.382–0.854 |
| Number of teeth | | | | 3–6 |
| Corner radius | | | | |
| Standard | | | | |
| Coating / grade | WMP35X | WMP35X | WMP35X | WMP35X |
| Shank | Modular interface | Modular interface | Modular interface | Modular interface |
| P Steel | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● |
| N NF metals | ● | ● | ● | ● |
| S Materials with difficult cutting properties | ● | ● | ● | ● |
| H Hard materials | ●● | ●● | ●● | ●● |
| O Other | | | | |

Page in catalog

QR code


www.walter-tools.com/woc/

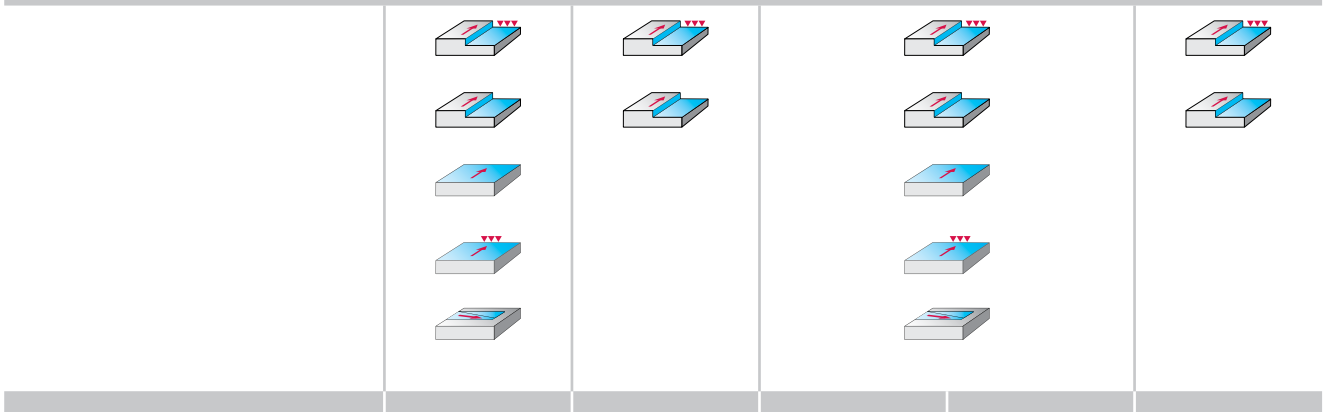
MG545

MG520

MG515

MG510

Shoulder milling cutters



Designation

| | | | | | |
|-----------------------------------------------|---------------------|------------|--------------------------------------------|---------------------|------------|
| Diameter range | 40-63 | 32-40 | 50-80 | 40-63 | 25-40 |
| Number of teeth | 6 | 4-6 | 6-8 | 6 | 4-6 |
| Corner radius | | | | | |
| Diameter range | — | — | — | — | — |
| Number of teeth | | | | | |
| Corner radius | | | | | |
| Standard | | | | | |
| Coating / grade | WP40 | WP40 | WP40 | WKM | WKM |
| Shank | Modular NCT adaptor | DIN 1835 B | Shell mill mount DIN 138 transverse keyway | Modular NCT adaptor | DIN 1835 B |
| P Steel | ●● | ●● | ●● | | |
| M Stainless steel | | | | | |
| K Cast iron | | | | ●● | ●● |
| N NF metals | | | | | |
| S Materials with difficult cutting properties | | | | | |
| H Hard materials | | | | | |
| O Other | | | | | |

Page in catalog

QR code



www.walter-tools.com/woc/

F1682

F1678

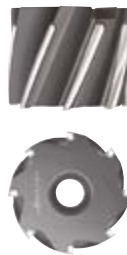
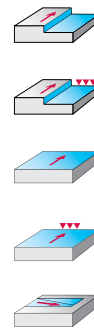
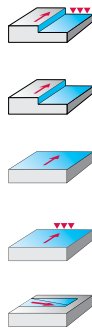
F1675

F1682

F1678

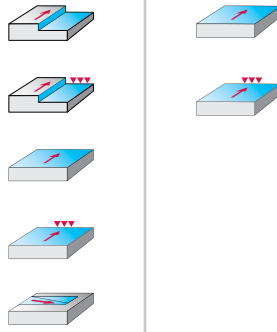
D1

Shoulder milling cutters



| Designation | | MP271 F0 | MP270 F0 | MP260 F0 | MP170 F0 |
|------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Diameter range | 50–80 | 16–25 | 4–25 | 16–20 | 16–25 |
| Number of teeth | 6–8 | 3 | 2–3 | 2–3 | 3–4 |
| Corner radius | | 0.4 | 0.1–3 | 0.2 | 0.2 |
| Diameter range | — | — | — | — | — |
| Number of teeth | | | | | |
| Corner radius | | | | | |
| Standard | | | | | |
| Coating / grade | WKM | WDN20 | WDN20 | WDN20 | WDN20 |
| Shank | Shell mill mount DIN 138 transverse keyway | DIN 6535 HA | DIN 6535 HA | ScrewFit | DIN 6535 HA |
| P Steel | | | | | |
| M Stainless steel | | | | | |
| K Cast iron | ●● | | | | |
| N NF metals | | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | | | | | |
| H Hard materials | | | | | |
| O Other | | ● | ● | ● | ● |
| Page in catalog | | | | | |
| QR code | | | | | |
| | www.walter-tools.com/woc/F1675 | www.walter-tools.com/woc/MP271 | www.walter-tools.com/woc/MP270 | www.walter-tools.com/woc/MP260 | www.walter-tools.com/woc/MP170 |

Shoulder milling cutters



| Designation | MP160 F0 | MP060 F0 |
|------------------------------------------------------|----------|--------------------------------------------|
| Diameter range | 20-40 | 40.6-125.6 |
| Number of teeth | 4 | 10-22 |
| Corner radius | 0.2 | — |
| Diameter range | — | — |
| Number of teeth | — | — |
| Corner radius | — | — |
| Standard | | |
| Coating / grade | WDN20 | WDN20 |
| Shank | ScrewFit | Shell mill mount DIN 138 transverse keyway |
| P Steel | | |
| M Stainless steel | | |
| K Cast iron | | |
| N NF metals | ●● | ●● |
| S Materials with difficult cutting properties | | |
| H Hard materials | | |
| O Other | ● | ● |

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QR code



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MP160

MP060

WALTER SELECT

●● Primary application ● Other application

D1

PCD-, ceramic-, carbide-tipped milling tools



Designation **MP470 F0**

Diameter range 4–16
 Number of teeth 2
 Corner radius 2–8

Diameter range —
 Number of teeth —
 Corner radius —

Standard

Coating / grade WDN20

Shank DIN 6535 HA

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

Page in catalog

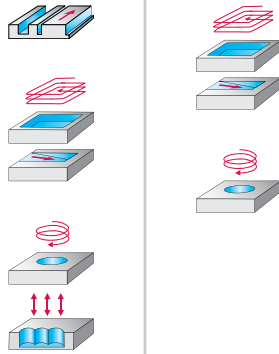
QR code



www.walter-tools.com/woc/

MP470

PCD-, ceramic-, carbide-tipped milling tools



| Designation | MC275 | MC075 | |
|------------------------------------------------------|-------------|-------------|--|
| Diameter range | 8–12 | 8–12 | |
| Number of teeth | 4–6 | 4 | |
| Corner radius | 1 | 1–1.5 | |
| Diameter range | — | — | |
| Number of teeth | | | |
| Corner radius | | | |
| Standard | PWZ-NORM | PWZ-NORM | |
| Coating / grade | WIS10 | WIS10 | |
| Shank | DIN 6535 HA | DIN 6535 HA | |
| P Steel | | | |
| M Stainless steel | | | |
| K Cast iron | | | |
| N NF metals | | | |
| S Materials with difficult cutting properties | ●● | ●● | |
| H Hard materials | | | |
| O Other | | | |

Page in catalog

QR code



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MC275

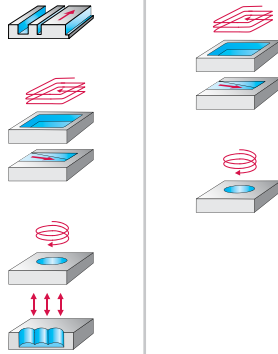
MC075

WALTER SELECT

●● Primary application ● Other application

D1

PCD-, ceramic-, carbide-tipped milling tools



| Designation | MC275 | MC075 | |
|------------------------------------------------------|----------|----------|--|
| Diameter range | 12-25 | 16-25 | |
| Number of teeth | 4-8 | 4 | |
| Corner radius | 1-1.5 | 2-3 | |
| Diameter range | — | — | |
| Number of teeth | | | |
| Corner radius | | | |
| Standard | PWZ-NORM | PWZ-NORM | |
| Coating / grade | WIS10 | WIS10 | |
| Shank | ConeFit | ConeFit | |
| P Steel | | | |
| M Stainless steel | | | |
| K Cast iron | | | |
| N NF metals | | | |
| S Materials with difficult cutting properties | ●● | ●● | |
| H Hard materials | | | |
| O Other | | | |

Page in catalog

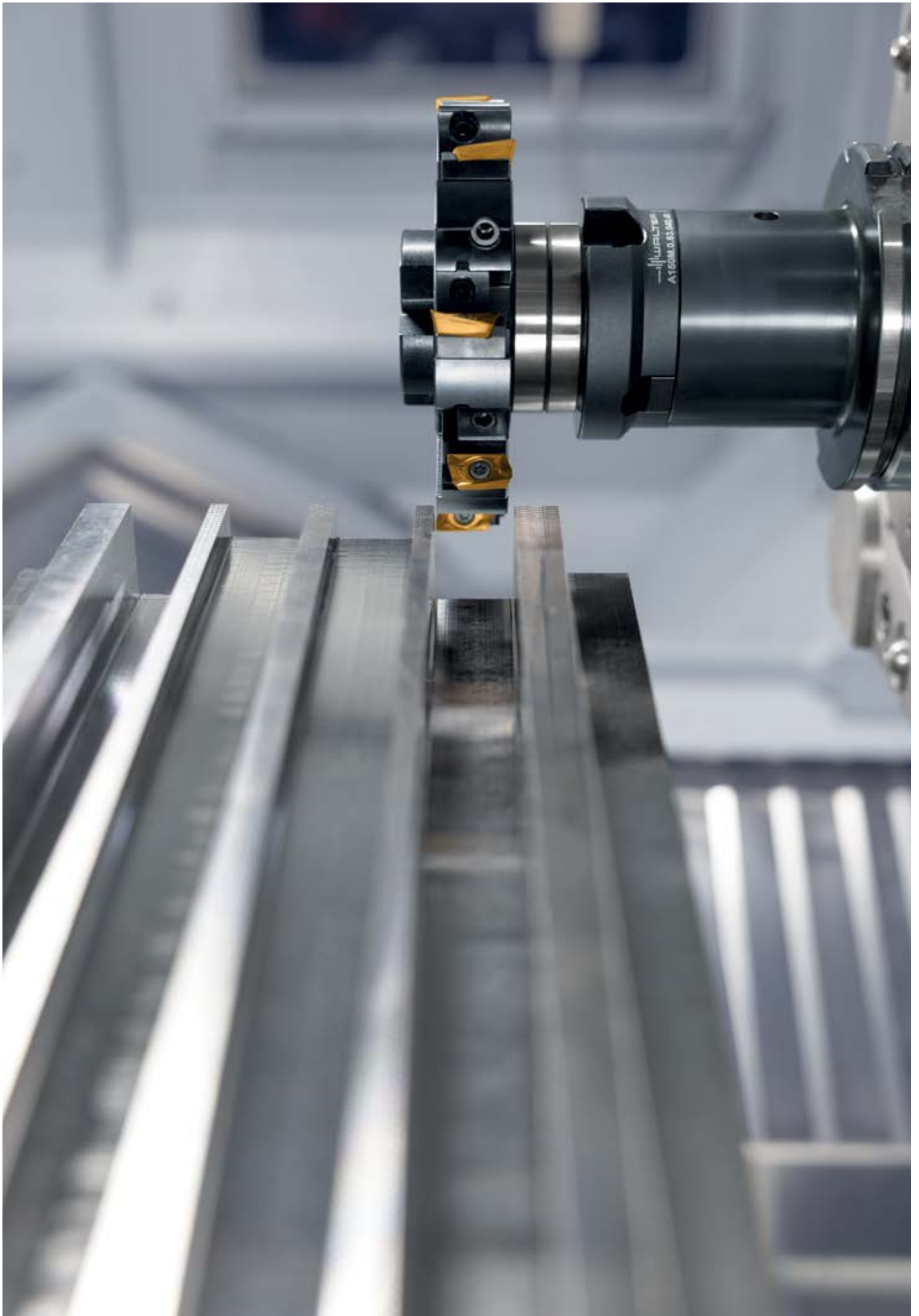
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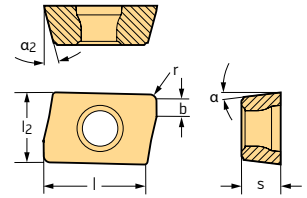
www.walter-tools.com/woc/

MC275





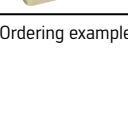



MC075



Positive rhombic
ACGT / ACMT
Tiger-tec® Gold



Indexable inserts

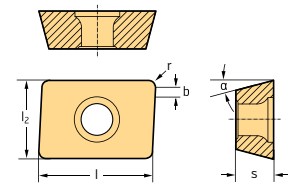
| Designation | Tolerance class | Number of cutting edges | s mm | l mm | l ₂ mm | r mm | α | α ₂ | b mm | P | | | M | | | K | | | N | | S | | | | | | |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|-------------------|------|----|----------------|------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|------|--------|--------|---|
| | | | | | | | | | | HC | | | HC | | | HC | | | HC | HW | HC | | | | | | |
| | | | | | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSP45G | WAK15 | WKK25G | WKP25S | WKP35G | WKP35S | WPP35G | WXN15 | WK10 | WSM35G | WSP45G | |
|  ACGT060204R-G65 | G | 2 | 2.38 | 6.7 | 4.4 | 0.4 | 7° | 15° | 0.9 | | | | | | | | | | | | | | | | | | |
|  ACGT060204R-M85 | G | 2 | 2.38 | 6.7 | 4.4 | 0.4 | 7° | 15° | 0.9 | | | | | | | | | | | | | | | | | | |
|  ACMT060202R-G55 | M | 2 | 2.38 | 6.7 | 4.4 | 0.2 | 7° | 15° | 1 | | | | | | | | | | | | | | | | | | |
|  ACMT060204R-G55 | M | 2 | 2.38 | 6.7 | 4.4 | 0.4 | 7° | 15° | 0.9 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  ACMT060208R-G55 | M | 2 | 2.38 | 6.7 | 4.4 | 0.8 | 7° | 15° | 0.8 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  ACMT060212R-G55 | M | 2 | 2.38 | 6.7 | 4.4 | 1.2 | 7° | 15° | 0.6 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  ACMT060216R-G55 | M | 2 | 2.38 | 6.7 | 4.4 | 1.6 | 7° | 15° | 0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  ACMT060204R-K55 | M | 2 | 2.38 | 6.7 | 4.4 | 0.4 | 7° | 15° | 0.9 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |

Ordering example for the grade WSM35G: ACGT060204R-G65 WSM35G

 HC = Coated carbide
HW = Uncoated carbide

D2

Positive rhombic LDMW / LDMT Tiger-tec® Gold



Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | l ₂ mm | r mm | α | b mm | P | | | | M | | K | | | | S | | | | | |
|-----------------|-----------------|-------------------------|------|-------|-------------------|------|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|---|
| | | | | | | | | | HC | | | | HC | | HC | | | | HC | | | | | |
| | | | | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSP45G | WKK25G | WKP25S | WKP35G | WKP35S | WPP35G | WSM35G | WSP45G | | |
| LDMW08T204R-A57 | M | 2 | 2.58 | 8.88 | 6.1 | 0.4 | 15° | 0.8 | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | |
| LDMW14T308R-A57 | M | 2 | 4.08 | 14.1 | 9.68 | 0.8 | 15° | 1.2 | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| LDMW170408R-A57 | M | 2 | 4.92 | 17.24 | 11.78 | 0.8 | 15° | 1.6 | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| LDMT08T204R-D51 | M | 2 | 2.58 | 8.88 | 6.1 | 0.4 | 15° | 0.8 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |
| LDMT14T308R-D51 | M | 2 | 4.08 | 14.1 | 9.68 | 0.8 | 15° | 1.2 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |
| LDMT170408R-D51 | M | 2 | 4.92 | 17.24 | 11.78 | 0.8 | 15° | 1.6 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |
| LDMT170412R-D51 | M | 2 | 4.92 | 17.24 | 11.78 | 1.2 | 15° | 1.6 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |
| LDMT08T204R-D57 | M | 2 | 2.58 | 8.88 | 6.1 | 0.4 | 15° | 0.8 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |
| LDMT14T308R-D57 | M | 2 | 4.08 | 14.1 | 9.68 | 0.8 | 15° | 1.2 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |
| LDMT170408R-D57 | M | 2 | 4.92 | 17.24 | 11.78 | 0.8 | 15° | 1.6 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |
| LDMT08T204R-F57 | M | 2 | 2.58 | 8.88 | 6.1 | 0.4 | 15° | 0.8 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |
| LDMT14T308R-F57 | M | 2 | 4.08 | 14.1 | 9.68 | 0.8 | 15° | 1.2 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |
| LDMT170408R-F57 | M | 2 | 4.92 | 17.24 | 11.78 | 0.8 | 15° | 1.6 | ☺ | ☺ | ☺ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ |

Ordering example for the grade WKP25S: LDMW08T204R-A57 WKP25S
 Ordering example for the grade WKP35G: LDMW08T204R-A57 WKP35G

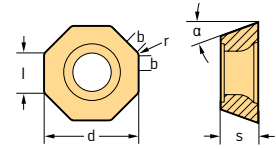
HC = Coated carbide

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

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

Positive indexable inserts

Positive octagonal ODHT / ODHW / ODMT / ODMW Tiger-tec® Gold



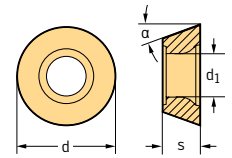
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | d mm | l mm | r mm | α | b mm | P | | | | M | | | K | | | | N | | S | | | | | |
|-----------------|-----------------|-------------------------|------|-------|------|------|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|------|--------|--------|--------|
| | | | | | | | | | HC | | | | HC | | | HC | | | | HC | HW | HC | | | | | |
| | | | | | | | | | WKP255 | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSM45X | WSP45G | WAK15 | WKK25G | WKP255 | WKP35G | WKP35S | WPP35G | WXN15 | WK10 | WSM35G | WSM45X | WSP45G |
| ODHT050408-F57 | H | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | | ☞ | ☞ | ☞ | ☞ | ☞ | | | | | | ☞ | ☞ | ☞ | ☞ | | | | | ☞ |
| ODHT060512-F57 | H | 8 | 5.56 | 15.88 | 6.58 | 1.2 | 15° | | ☞ | ☞ | ☞ | ☞ | ☞ | | | | | | ☞ | ☞ | ☞ | ☞ | | | | | ☞ |
| ODHW0504ZZN-A57 | H | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | 1.2 | ☞ | ☞ | ☞ | ☞ | | | | | ☞ | | ☞ | ☞ | ☞ | ☞ | | | | | |
| ODHW0605ZZN-A57 | H | 8 | 5.56 | 15.88 | 6.58 | 0.8 | 15° | 1.6 | ☞ | ☞ | ☞ | ☞ | | | | | ☞ | | ☞ | ☞ | ☞ | ☞ | | | | | |
| ODHT0504ZZN-F57 | H | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | 1.2 | ☞ | ☞ | ☞ | ☞ | ☞ | | | | | | ☞ | ☞ | ☞ | ☞ | | | | ☞ | ☞ |
| ODHT0605ZZN-F57 | H | 8 | 5.56 | 15.88 | 6.58 | 0.8 | 15° | 1.6 | ☞ | ☞ | ☞ | ☞ | ☞ | | | | | | ☞ | ☞ | ☞ | ☞ | | | | ☞ | ☞ |
| ODHT0504ZZN-G77 | H | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | 1.6 | | | | | ☞ | | | | | | | | | | | | | | ☞ |
| ODHT0605ZZN-G77 | H | 8 | 5.56 | 15.88 | 6.58 | 0.8 | 15° | 1.6 | | | | | ☞ | | | | | | | | | | | | | | ☞ |
| ODHT0504ZZN-G88 | H | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | 1.2 | | | | | | | | | | | | | | ☞ | ☞ | | | | |
| ODHT0605ZZN-G88 | H | 8 | 5.56 | 15.88 | 6.58 | 0.8 | 15° | 1.6 | | | | | | | | | | | | | | ☞ | ☞ | | | | |
| ODMT0504ZZN-F57 | M | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | 1.2 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | | | ☞ | ☞ | ☞ | ☞ | | | | ☞ | ☞ |
| ODMT0605ZZN-F57 | M | 8 | 5.56 | 15.88 | 6.58 | 0.8 | 15° | 1.6 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | | | ☞ | ☞ | ☞ | ☞ | | | | ☞ | ☞ |
| ODMT050408-D57 | M | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | | | ☞ | ☞ | ☞ | ☞ | | | | ☞ | ☞ |
| ODMT060512-D57 | M | 8 | 5.56 | 15.88 | 6.58 | 1.2 | 15° | | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | | | ☞ | ☞ | ☞ | ☞ | | | | ☞ | ☞ |
| ODMT0504ZZN-D57 | M | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | 1.2 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | | | ☞ | ☞ | ☞ | ☞ | | | | ☞ | ☞ |
| ODMT0605ZZN-D57 | M | 8 | 5.56 | 15.88 | 6.58 | 0.8 | 15° | 1.6 | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | ☞ | | | ☞ | ☞ | ☞ | ☞ | | | | ☞ | ☞ |
| ODMW050408T-A27 | M | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | | ☞ | ☞ | ☞ | ☞ | | | | | | | ☞ | ☞ | ☞ | ☞ | | | | | |
| ODMW060508T-A27 | M | 8 | 5.56 | 15.88 | 6.58 | 0.8 | 15° | | ☞ | ☞ | ☞ | ☞ | | | | | | | ☞ | ☞ | ☞ | ☞ | | | | | |
| ODMW050408-A57 | M | 8 | 4.76 | 12.7 | 5.26 | 0.8 | 15° | | ☞ | ☞ | ☞ | ☞ | | | | | ☞ | | ☞ | ☞ | ☞ | ☞ | | | | | |
| ODMW060508-A57 | M | 8 | 5.56 | 15.88 | 6.58 | 0.8 | 15° | | ☞ | ☞ | ☞ | ☞ | | | | | ☞ | | ☞ | ☞ | ☞ | ☞ | | | | | |

Ordering example for the grade WKP35G: ODHT050408-F57 WKP35G

 HC = Coated carbide
 HW = Uncoated carbide

Positive round
ROMX / ROHX
Tiger-tec® Gold



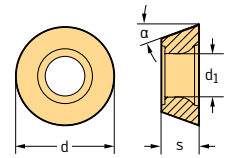
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | d mm | α | d1 mm | P | | | | M | | | | K | | S | |
|-----------------|-----------------|-------------------------|------|------|-----|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | | | | HC | | | | HC | | HC | |
| | | | | | | | WKP35G | WKP35S | WMP45G | WSP45G | WSM35G | WMP45G | WSM45X | WSP45G | WKP35G | WKP35S | WSM35G | WSM45X |
| ROMX0803M0-D57 | M | 4 | 3.18 | 8 | 11° | 3.4 | | | | | | | | | | | | |
| ROMX10T3M0-D57 | M | 4 | 3.97 | 10 | 11° | 4.4 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| ROMX1204M0-D57 | M | 4 | 4.76 | 12 | 11° | 4.4 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| ROMX1605M0-D57 | M | 6 | 5.56 | 16 | 15° | 5.5 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| ROMX2006M0-D57 | M | 8 | 6.35 | 20 | 15° | 6.5 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | |
| ROMX10T3M0-D67 | M | 8 | 3.97 | 10 | 11° | 3.9 | | | | | | | | | ☹ | ☹ | ☹ | |
| ROMX1204M0-D67 | M | 4 | 4.76 | 12 | 11° | 4.4 | | | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | ☹ | ☹ | |
| ROMX10T3M0-F67 | M | 4 | 3.97 | 10 | 11° | 4.4 | | | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | ☹ | ☹ | |
| ROMX1204M0-F67 | M | 4 | 4.76 | 12 | 11° | 4.4 | | | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | ☹ | ☹ | |
| ROMX250700-G77 | M | 8 | 7.94 | 25 | 15° | 8.6 | | | | ☹ | | | ☹ | | | | ☹ | |
| ROHX1204M0T-A27 | H | 4 | 4.76 | 12 | 11° | 4.4 | ☹ | ☹ | | | | | | ☹ | ☹ | | | |
| ROHX1605M0T-A27 | H | 6 | 5.56 | 16 | 15° | 5.5 | ☹ | ☹ | | | | | | ☹ | ☹ | | | |
| ROHX0803M0-D57 | H | 4 | 3.18 | 8 | 11° | 3.4 | | | | | | | | | | | ☹ | |
| ROHX10T3M0-D57 | H | 4 | 3.97 | 10 | 11° | 4.4 | | ☹ | | | | | | | | | ☹ | |
| ROHX1204M0-D57 | H | 4 | 4.76 | 12 | 11° | 4.4 | ☹ | ☹ | | | | | | | | | ☹ | |
| ROHX1605M0-D57 | H | 6 | 5.56 | 16 | 15° | 5.5 | | ☹ | ☹ | | | | | | | | ☹ | |
| ROHX2006M0-D57 | H | 8 | 6.35 | 20 | 15° | 6.5 | | | ☹ | | | | | | | | ☹ | |
| ROHX0803M0-D67 | H | 4 | 3.18 | 8 | 11° | 3.4 | | | | ☹ | | | | | | | ☹ | |
| ROHX10T3M0-D67 | H | 4 | 3.97 | 10 | 11° | 4.4 | | | | ☹ | | | | | | | ☹ | |
| ROHX1204M0-D67 | H | 4 | 4.76 | 12 | 11° | 4.4 | ☹ | | | ☹ | | | | | | | ☹ | |
| ROHX1605M0-D67 | H | 6 | 5.56 | 16 | 15° | 5.5 | | | | ☹ | | | | | | | ☹ | |
| ROHX10T3M0-F67 | H | 4 | 3.97 | 10 | 11° | 4.4 | | | | ☹ | | | | | | | ☹ | |
| ROHX1204M0-F67 | H | 4 | 4.76 | 12 | 11° | 4.4 | ☹ | | | ☹ | | | | | | | ☹ | |

Ordering example for the grade WSM35G: ROMX0803M0-D57 WSM35G

HC = Coated carbide

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



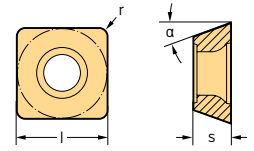
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | d mm | α | d ₁ mm | P | | | | | | M | | K | | | | | N | | S | | | H | | | | | | |
|------------------|-----------------|-------------------------|------|------|-----|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|--------|--------|--------|--------|--|--|---|--|
| | | | | | | | WHH15X | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSM45X | WSP45G | WHH15X | WKK25G | WKP25S | WKP35G | WKP35S | WPP35G | WXN15 | WK10 | WSM35G | WSM45X | WSP45G | WHH15X | | | | |
| ROMX10T3M0T8-A27 | M | 8 | 3.97 | 10 | 11° | 3.9 | ☹ | ☹ | ☹ | ☹ | | | | | | | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | |
| ROMX1204M0T8-A27 | M | 8 | 4.76 | 12 | 11° | 4.4 | ☹ | ☹ | ☹ | ☹ | | | | | | | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | |
| ROMX1605M0T8-A27 | M | 8 | 5.56 | 16 | 15° | 5.5 | ☹ | ☹ | ☹ | ☹ | | | | | | | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | |
| ROMX2006M0T8-A27 | M | 8 | 6.35 | 20 | 15° | 6.5 | ☹ | ☹ | ☹ | ☹ | | | | | | | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | |
| ROMX0803M04-D57 | M | 4 | 3.18 | 8 | 11° | 3.4 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | | | | ☹ | ☹ | | ☹ | ☹ | | | | | | |
| ROMX10T3M08-D57 | M | 8 | 3.97 | 10 | 11° | 3.9 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | | | | ☹ | ☹ | | ☹ | ☹ | | | | | | |
| ROMX1204M08-D57 | M | 8 | 4.76 | 12 | 11° | 4.4 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | | | | ☹ | ☹ | | ☹ | ☹ | | | | | | |
| ROMX1605M08-D57 | M | 8 | 5.56 | 16 | 15° | 5.5 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | | | | ☹ | ☹ | | ☹ | ☹ | | | | | | |
| ROMX2006M08-D57 | M | 8 | 6.35 | 20 | 15° | 6.5 | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | | | | ☹ | ☹ | | ☹ | ☹ | | | | | | |
| ROMX10T3M08-F67 | M | 8 | 3.97 | 10 | 11° | 3.9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROMX1204M08-F67 | M | 8 | 4.76 | 12 | 11° | 4.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROMX1605M08-F67 | M | 8 | 5.56 | 16 | 15° | 5.5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROHX2006M0T8-A27 | H | 8 | 6.35 | 20 | 15° | 6.5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROHX0803M04-A57 | H | 4 | 3.18 | 8 | 11° | 3.4 | ☹ | ☹ | ☹ | ☹ | | | | | | | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | ☹ | |
| ROHX10T3M08-A57 | H | 8 | 3.97 | 10 | 11° | 3.9 | ☹ | ☹ | ☹ | ☹ | | | | | | | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | ☹ | |
| ROHX1204M08-A57 | H | 8 | 4.76 | 12 | 11° | 4.4 | ☹ | ☹ | ☹ | ☹ | | | | | | | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | ☹ | |
| ROHX1605M08-A57 | H | 8 | 5.56 | 16 | 15° | 5.5 | ☹ | ☹ | ☹ | ☹ | | | | | | | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | ☹ | |
| ROHX2006M08-A57 | H | 8 | 6.35 | 20 | 15° | 6.5 | ☹ | ☹ | ☹ | ☹ | | | | | | | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | ☹ | |
| ROHX0803M04-D57 | H | 4 | 3.18 | 8 | 11° | 3.4 | | | | | ☹ | ☹ | ☹ | ☹ | ☹ | ☹ | | | | | ☹ | ☹ | | ☹ | ☹ | | | | | | |
| ROHX2006M08-D57 | H | 8 | 6.35 | 20 | 15° | 6.5 | | | | | ☹ | ☹ | | | | | | | | | ☹ | ☹ | | | | | | | | | |
| ROHX0803M04-D67 | H | 4 | 3.18 | 8 | 11° | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | ☹ | |
| ROGX0803M04-G88 | G | 4 | 3.18 | 8 | 11° | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROGX10T3M08-G88 | G | 8 | 3.97 | 10 | 11° | 3.9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROGX1204M08-G88 | G | 8 | 4.76 | 12 | 11° | 4.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROGX1605M08-G88 | G | 8 | 5.56 | 16 | 15° | 5.5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROGX2006M08-G88 | G | 8 | 6.35 | 20 | 15° | 6.5 | | | | | | | | | | | | | | | | | | | | | | | | | |






Ordering example for the grade WKK25G: ROMX10T3M0T8-A27 WKK25G

 HC = Coated carbide
HW = Uncoated carbide

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



Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | r mm | α | P | | M | | K | | N | | S | | | | |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|--------|--------|
| | | | | | | | HC | | HC | | HC | | HC | HW | HC | | | | |
| | | | | | | | WKP35G | WKP35S | WPP35G | WSP45G | WSM45X | WSP45G | WKP35G | WKP35S | WPP35G | WXN15 | WN15 | WSM45X | WSP45G |
|  SCMT110502-G55 | M | 4 | 5.16 | 11.1 | 0.2 | 11° | ☺ | ☺ | ☺ | ☺ | | | ☺ | ☺ | ☺ | | | ☺ | ☺ |
|  SCMT110502-G55W | M | 4 | 5.16 | 11.1 | 0.2 | 11° | | | | ☺ | ☺ | | | | | | | ☺ | ☺ |
|  SCMT110502-F55 | M | 4 | 5.16 | 11.1 | 0.2 | 11° | ☺ | ☺ | ☺ | ☺ | | | ☺ | ☺ | ☺ | | | | ☺ |
|  SCGT110502-G51 | G | 4 | 5.16 | 11.1 | 0.2 | 11° | ☺ | ☺ | ☺ | ☺ | | | ☺ | ☺ | ☺ | | | | ☺ |
|  SCHAT110502-K85 | H | 4 | 5.16 | 11.1 | 0.2 | 11° | | | | | | | | | ☺ | ☺ | | | |

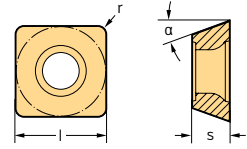
Ordering example for the grade WKP35G: SCMT110502-G55 WKP35G

HC = Coated carbide
 HW = Uncoated carbide






Finishing inserts

SDHT / SDMW / SDMT

Tiger-tec® Gold



Indexable inserts

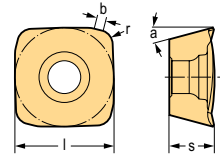
| Designation | Tolerance class | Number of cutting edges | s mm | l mm | r mm | α | P | | | | M | | | K | | | | N | | S | | | | | |
|----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|------|--------|--------|--------|
| | | | | | | | HC | | | | HC | | | HC | | | | HC | HW | HC | | | | | |
| | | | | | | | WKP255 | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSM45X | WSP45G | WAK15 | WKK25G | WKP255 | WKP35G | WKP35S | WPP35G | WXN15 | WK10 | WSM35G | WSM45X | WSP45G |
|  SDHT06T204-G88 | H | 4 | 2.78 | 6.35 | 0.4 | | | | | | | | | | | | | | | | | | | | |
| SDHT09T304-G88 | H | 4 | 3.97 | 9.52 | 0.4 | | | | | | | | | | | | | | | | | | | | |
| SDHT09T308-G88 | H | 4 | 3.97 | 9.52 | 0.8 | | | | | | | | | | | | | | | | | | | | |
| SDHT120408-G88 | H | 4 | 4.76 | 12.7 | 0.8 | | | | | | | | | | | | | | | | | | | | |
|  SDMW06T204-A57 | M | 4 | 2.78 | 6.35 | 0.4 | 15° | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | | |
| SDMW09T308-A57 | M | 4 | 3.97 | 9.52 | 0.8 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | |
| SDMW09T320-A57 | M | 4 | 3.97 | 9.52 | 2 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMW120408-A57 | M | 4 | 4.76 | 12.7 | 0.8 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | |
| SDMW120425-A57 | M | 4 | 4.76 | 12.7 | 2.5 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
|  SDMT06T204-D51 | M | 4 | 2.78 | 6.35 | 0.4 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT09T308-D51 | M | 4 | 3.97 | 9.52 | 0.8 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT120408-D51 | M | 4 | 4.76 | 12.7 | 0.8 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
|  SDMT06T204-D57 | M | 4 | 2.78 | 6.35 | 0.4 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT09T308-D57 | M | 4 | 3.97 | 9.52 | 0.8 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT120408-D57 | M | 4 | 4.76 | 12.7 | 0.8 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
|  SDMT06T204-F57 | M | 4 | 2.78 | 6.35 | 0.4 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT06T208-F57 | M | 4 | 2.78 | 6.35 | 0.8 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT06T212-F57 | M | 4 | 2.78 | 6.35 | 1.2 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT09T304-F57 | M | 4 | 3.97 | 9.52 | 0.4 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT09T308-F57 | M | 4 | 3.97 | 9.52 | 0.8 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT09T312-F57 | M | 4 | 3.97 | 9.52 | 1.2 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT09T316-F57 | M | 4 | 3.97 | 9.52 | 1.6 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT09T320-F57 | M | 4 | 3.97 | 9.52 | 2 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT120408-F57 | M | 4 | 4.76 | 12.7 | 0.8 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT120412-F57 | M | 4 | 4.76 | 12.7 | 1.2 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT120416-F57 | M | 4 | 4.76 | 12.7 | 1.6 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT120420-F57 | M | 4 | 4.76 | 12.7 | 2 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |
| SDMT120425-F57 | M | 4 | 4.76 | 12.7 | 2.5 | 15° | ☹ | ☹ | ☹ | ☹ | | | | | | | | | | | | | | | ☹ |

Ordering example for the grade WK10: SDHT06T204-G88 WK10



 HC = Coated carbide
 HW = Uncoated carbide

D2

Positive square SDMX Tiger-tec® Gold



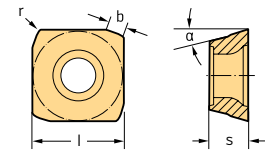
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | r mm | α | b mm | P | | | | M | | | K | | S | | | | |
|---------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | | | | | | | | HC | | | | HC | | | HC | | HC | | | | |
| | | | | | | | | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSM45X | WSP45G | WKP35G | WKP35S | WPP35G | WSM35G | WSM45X | WSP45G | |
|  SDMX0904ZDR-E27 | M | 4 | 4.62 | 9.52 | 1 | 15° | 0.8 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| SDMX1205ZDR-E27 | M | 4 | 5.84 | 12.7 | 2 | 15° | 1.2 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
|  SDMX0904ZDR-E57 | M | 4 | 4.62 | 9.52 | 1 | 15° | 0.8 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| SDMX1205ZDR-E57 | M | 4 | 5.84 | 12.7 | 2 | 15° | 1.2 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |


Ordering example for the grade WKP35G: SDMX0904ZDR-E27 WKP35G

HC = Coated carbide

Positive square SDMT Tiger-tec® Gold



Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | r mm | α | b mm | P | | | | M | K | | S | |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | HC | | | | HC | HC | | HC | |
| | | | | | | | | WKP35G | WKP35S | WPP35G | WSP45G | WSP45G | WKP35G | WKP35S | WPP35G | WSP45G |
|  SDMT06T2ZDR-D57 | M | 4 | 2.78 | 6.35 | 0.4 | 15° | 1.2 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| SDMT09T3ZDR-D57 | M | 4 | 3.97 | 9.52 | 0.8 | 15° | 1.2 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| SDMT1204ZDR-D57 | M | 4 | 4.76 | 12.7 | 0.8 | 15° | 1.8 | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |

Ordering example for the grade WKP35G: SDMT06T2ZDR-D57 WKP35G

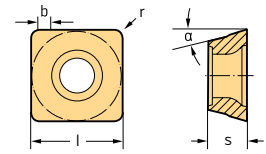
HC = Coated carbide

D2


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

☑ ☑ ☑ / * = New addition to the product range

Positive square SDGT Tiger-tec® Gold



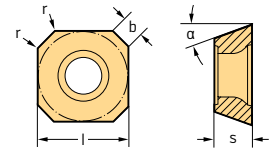
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | r mm | α | b mm | P | | | | M | | K | | | S | | | | |
|---------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | | | | | | | | HC | | | | HC | | HC | | | HC | | | | |
| | | | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSP45G | WKP25S | WKP35G | WKP35S | WPP35G | WSM35G | WSP45G | |
|  SDGT06T2PDR-D57 | G | 4 | 2.78 | 6.35 | 0.4 | 15° | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SDGT09T3PDR-D57 | G | 4 | 3.97 | 9.52 | 0.8 | 15° | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SDGT1204PDR-D57 | G | 4 | 4.76 | 12.7 | 0.8 | 15° | 1.6 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |







Ordering example for the grade WKP25S: SDGT06T2PDR-D57 WKP25S
Ordering example for the grade WKP35G: SDGT06T2PDR-D57 WKP35G

HC = Coated carbide

Positive square SDMW / SDMT / SDGX Tiger-tec® Gold



Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | r mm | α | b mm | P | | | | M | | K | | | | N | | S | | | | | | |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|------|--------|--------|--------|
| | | | | | | | | HC | | | | HC | | HC | | | | HC HW | | HC | | | | | | |
| | | | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSM45X | WSP45G | WAK15 | WKK25G | WKP25S | WKP35G | WKP35S | WPP35G | WKN15 | WK10 | WSM35G | WSM45X | WSP45G |
|  SDMW09T3AZN-A57 | M | 4 | 3.97 | 9.52 | 0.3 | 15° | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SDMW1204AZN-A57 | M | 4 | 4.76 | 12.7 | 0.3 | 15° | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  SDMT09T3AZN-D57 | M | 4 | 3.97 | 9.52 | 0.3 | 15° | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SDMT1204AZN-D57 | M | 4 | 4.76 | 12.7 | 0.3 | 15° | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  SDMT09T3AZN-F57 | M | 4 | 3.97 | 9.52 | 0.3 | 15° | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SDMT1204AZN-F57 | M | 4 | 4.76 | 12.7 | 0.3 | 15° | 1.8 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  SDGT09T3AZN-F57 | G | 4 | 3.97 | 9.52 | 0.3 | | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SDGT1204AZN-F57 | G | 4 | 4.76 | 12.7 | 0.3 | | 1.8 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  SDGT09T3AZN-G77 | G | 4 | 3.97 | 9.52 | 0.3 | | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SDGT1204AZN-G77 | G | 4 | 4.76 | 12.7 | 0.3 | | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  SDHT09T3AZN-G88 | H | 4 | 3.97 | 9.52 | 0.3 | | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SDHT1204AZN-G88 | H | 4 | 4.76 | 12.7 | 0.3 | | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |

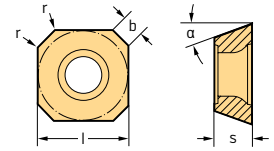
Ordering example for the grade WAK15: SDMW09T3AZN-A57 WAK15
Ordering example for the grade WKP35G: SDMW09T3AZN-A57 WKP35G

HC = Coated carbide
HW = Uncoated carbide






WALTER SELECT

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

Positive square
SPGT / SPKT / SPMW / SPMT
Tiger-tec® Gold



Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | r mm | a | b mm | P | | M | | K | | | N | | S | | | | | |
|----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|-------|------|-----|------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|-------|------|--------|--------|---|
| | | | | | | | | HC | | HC | | HC | HC | HC | HW | HC | | | | | | |
| | | | | | | | | WKP255 | WKP355 | WPP35G | WSP45G | WSM35G | WSP45G | WAK15 | WKP255 | WKP355 | WPP35G | WXN15 | WK10 | WSM35G | WSP45G | |
|  SPGT1204AEN-K88 | G | 4 | 4.76 | 12.7 | | 11° | 1.5 | | | | | | | | | | | ☺ | ☺ | | | |
|  SPKT1204AZN | K | 4 | 4.76 | 12.7 | | 11° | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ | ☺ | |
|  SPKT1504AZN | K | 4 | 4.76 | 15.88 | | 11° | 1.7 | ☺ | ☺ | | | | | | ☺ | ☺ | | | | ☺ | ☺ | |
|  SPMW1204AEN-A57 | M | 4 | 4.76 | 12.7 | 0.5 | 11° | 1.4 | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | ☺ | | | | | |
|  SPMT1204AEN | M | 4 | 4.76 | 12.7 | 0.5 | 11° | 1.4 | ☺ | ☺ | ☺ | ☺ | | | ☺ | ☺ | ☺ | ☺ | | | | | ☺ |

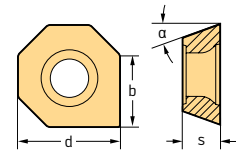
Ordering example for the grade WK10: SPGT1204AEN-K88 WK10

 HC = Coated carbide
 HW = Uncoated carbide

Finishing inserts

ODHX

Tiger-tec® Gold



Indexable inserts

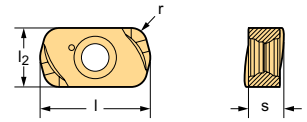
| Designation | Tolerance class | Number of cutting edges | s mm | d mm | α | b mm | P | | | | | M | | K | | | | | H | |
|-----------------|-----------------|-------------------------|------|-------|-----|------|--------|--------|-------|--------|--------|--------|-------|-------|--------|--------|-------|--------|--------|--------|
| | | | | | | | HC | | | | | HC | | HC | | | | | HC | |
| | | | | | | | WHH15X | WPM15G | WXM15 | WKP35S | WPP35G | WPM15G | WXM15 | WAK15 | WHH15X | WPM15G | WXM15 | WKP35S | WPP35G | WHH15X |
| ODHX0504ZZR-A57 | H | 1 | 4.76 | 12.7 | 15° | 7.2 | ☺ | | | | | | | ☺ | ☺ | | | | | ☺ |
| ODHX0605ZZR-A57 | H | 1 | 5.56 | 15.88 | 15° | 9.4 | ☺ | | | | | | | ☺ | ☺ | | | | | ☺ |
| ODHX0605ZZN-A57 | H | 8 | 5.56 | 15.88 | 15° | 6 | ☺ | | | | | | | ☺ | ☺ | | | | | ☺ |
| ODHX0605ZZN-A88 | H | 8 | 5.56 | 15.88 | 15° | 6 | | ☺ | ☺ | | | | | ☺ | ☺ | | | | | |

* ZZN for κ = 45° only




Ordering example for the grade WAK15: ODHX0504ZZR-A57 WAK15
 Ordering example for the grade WHH15X: ODHX0504ZZR-A57 WHH15X
 Ordering example for the grade WKP35S: ODHX0504ZZR-A57 WKP35S
 Ordering example for the grade WPP35G: ODHX0504ZZR-A57 WPP35G

HC = Coated carbide

Negative rhombic ENMX Tiger-tec® Gold



Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | l ₂ mm | r mm | P | | | | M | | | K | | | | S | | | H | | | | |
|---------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | | | | | | | HC | | | | HC | | | HC | | | | HC | | | HC | | | | |
| | | | | | | | WHH15X | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSM45X | WSP45G | WKK25G | WKP25S | WKP35G | WKP35S | WPP35G | WSM35G | WSM45X | WSP45G | WHH15X | |
|  ENMX08T316R-D27 | M | 4 | 3.6 | 11 | 6 | 1.6 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
|  ENMX08T316R-F47 | M | 4 | 3.6 | 11 | 6 | 1.6 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
|  ENMX08T316R-G67 | M | 4 | 3.6 | 11 | 6 | 1.6 | | | | | ☒ | ☒ | ☒ | ☒ | | | | | | | ☒ | ☒ | ☒ | | |

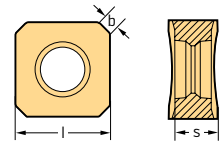
Ordering example for the grade WHH15X: ENMX08T316R-D27 WHH15X
 Ordering example for the grade WKK25G: ENMX08T316R-D27 WKK25G

HC = Coated carbide








Negative square

SNGX / SNHX / SNMX

Tiger-tec® Gold



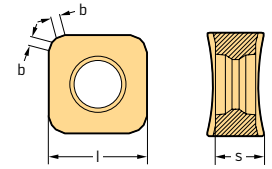
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | b mm | P | | M | | K | | | | N | | S | | | | | | | |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|------|--------|--------|---|
| | | | | | | HC | | HC | | HC | | | | HC | HW | HC | | | | | | | |
| | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSP45G | WAK15 | WKK25G | WKP25S | WKP35G | WKP35S | WPP35G | WXN15 | WK10 | WSM35G | WSP45G | |
|  SNGX1205ANN-F27 | G | 8 | 5.59 | 12.7 | 1.5 | ☺ | ☺ | ☺ | ☺ | | | | | | ☺ | ☺ | ☺ | ☺ | | | | | |
|  SNGX0904ANN-F57 | G | 8 | 4.69 | 9.52 | 1.2 | ☺ | ☺ | | | | | | | | ☺ | ☺ | ☺ | ☺ | | | | | |
| SNGX1205ANN-F57 | G | 8 | 5.54 | 12.7 | 1.5 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | ☺ | ☺ | ☺ | ☺ | | | | ☺ | ☺ |
| SNGX1606ANN-F57 | G | 8 | 6.3 | 16 | 1.8 | | | ☺ | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | | | | | ☺ |
|  SNGX0904ANN-F67 | G | 8 | 4.72 | 9.52 | 1.2 | | | | | | ☺ | | | | | | | | | | | | ☺ |
| SNGX1205ANN-F67 | G | 8 | 5.54 | 12.7 | 1.5 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | ☺ | ☺ | ☺ | ☺ | | | | ☺ | ☺ |
|  SNHX0904ANN-K88 | H | 8 | 4.68 | 9.52 | 1.5 | | | | | | | | | | | | | | ☺ | | | | |
| SNHX1205ANN-K88 | H | 8 | 5.54 | 12.7 | 1.5 | | | | | | | | | | | | | | ☺ | ☺ | | | |
|  SNMX0904ANN-F27 | M | 8 | 4.72 | 9.52 | 1.2 | | ☺ | | | | | | | | | ☺ | ☺ | ☺ | | | | | |
| SNMX1205ANN-F27 | M | 8 | 5.59 | 12.7 | 1.5 | ☺ | ☺ | ☺ | ☺ | | | | | | ☺ | ☺ | ☺ | ☺ | | | | | |
|  SNMX0904ANN-F57 | M | 8 | 4.69 | 9.52 | 1.2 | | ☺ | ☺ | ☺ | | ☺ | ☺ | | ☺ | ☺ | ☺ | ☺ | ☺ | | | | | ☺ |
| SNMX1205ANN-F57 | M | 8 | 5.54 | 12.7 | 1.5 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | ☺ | ☺ | ☺ | | | | | ☺ |
|  SNMX0904ANN-F67 | M | 8 | 4.72 | 9.52 | 1.2 | | | | | ☺ | ☺ | ☺ | | | | | | | | | | | ☺ |
| SNMX1205ANN-F67 | M | 8 | 5.54 | 12.7 | 1.5 | ☺ | ☺ | ☺ | ☺ | | | | ☺ | | ☺ | ☺ | ☺ | ☺ | | | | | ☺ |





Ordering example for the grade WKP25S: SNGX1205ANN-F27 WKP25S
 Ordering example for the grade WKP35G: SNGX1205ANN-F27 WKP35G

HC = Coated carbide
 HW = Uncoated carbide

Negative square
SNGX / SNMX
Tiger-tec® Gold



Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | b mm | P | | | | M | | K | | | | | S | | | | |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|---|
| | | | | | | HC | | | | HC | | HC | | | | | HC | | | | |
| | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSP45G | WAK15 | WKK25G | WKP25S | WKP35G | WKP35S | WPP35G | WSM35G | WSP45G | |
|  SNGX1205ENN-F27 | G | 8 | 5.65 | 12.7 | 1.2 | ☺ | ☺ | ☺ | ☺ | | | | | | ☺ | ☺ | ☺ | ☺ | | | |
|  SNGX1205ENN-F57 | G | 8 | 5.61 | 12.7 | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  SNGX1205ENN-F67 | G | 8 | 5.64 | 12.7 | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  SNMX1205ENN-F57 | M | 8 | 5.61 | 12.7 | 1.2 | ☺ | ☺ | | | | | | | ☺ | ☺ | | | | | | |

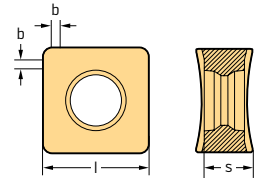
Ordering example for the grade WKP25S: SNGX1205ENN-F27 WKP25S
 Ordering example for the grade WKP35G: SNGX1205ENN-F27 WKP35G

HC = Coated carbide







Negative square

SNGX / SNHX / SNMX

Tiger-tec® Gold



Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | b mm | P | | M | | K | | | | N | | S | | | | | | | |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|------|--------|--------|---|
| | | | | | | HC | HC | HC | HC | HC | HW | HC | HC | | | | | | | | | | |
| | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSP45G | WAK15 | WKK25G | WKP25S | WKP35G | WKP35S | WPP35G | WXN15 | WK10 | WSM35G | WSP45G | |
|  SNGX1205ZNN-F27 | G | 8 | 5.77 | 12.7 | 1.2 | ☺ | ☺ | ☺ | ☺ | | | | | | ☺ | ☺ | ☺ | ☺ | | | | | |
|  SNGX0904ZNN-F57 | G | 8 | 4.9 | 9.52 | 1 | ☺ | ☺ | | | | | | | ☺ | ☺ | ☺ | ☺ | | | | | | |
| SNGX1205ZNN-F57 | G | 8 | 5.77 | 12.7 | 1.2 | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ | ☺ |
|  SNGX0904ZNN-F67 | G | 8 | 4.93 | 9.52 | 1 | ☺ | ☺ | | | ☺ | | | ☺ | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | |
| SNGX1205ZNN-F67 | G | 8 | 5.8 | 12.7 | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ | ☺ |
|  SNHX0904ZNN-K88 | H | 8 | 5.01 | 9.52 | 1 | | | | | | | | | | | | | | ☺ | ☺ | | | |
| SNHX1205ZNN-K88 | H | 8 | 5.89 | 12.7 | 1.2 | | | | | | | | | | | | | | ☺ | ☺ | | | |
|  SNMX0904ZNN-F27 | M | 8 | 4.93 | 9.52 | 1 | | ☺ | | | | | | | | ☺ | | | | | | | | |
| SNMX0904ZNN-F57 | M | 8 | 4.91 | 9.52 | 1 | ☺ | ☺ | ☺ | | ☺ | ☺ | ☺ | | ☺ | ☺ | ☺ | ☺ | | | | | ☺ | ☺ |
| SNMX1205ZNN-F57 | M | 8 | 5.77 | 12.7 | 1.2 | ☺ | ☺ | | | | | | | ☺ | ☺ | ☺ | | | | | | | |
|  SNMX0904ZNN-F67 | M | 8 | 4.93 | 9.52 | 1 | | | | | ☺ | | ☺ | | | | | | | | | | ☺ | |

Ordering example for the grade WKP25S: SNGX1205ZNN-F27 WKP25S
 Ordering example for the grade WKP35G: SNGX1205ZNN-F27 WKP35G

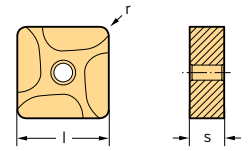
HC = Coated carbide
 HW = Uncoated carbide

D2


Negative square

SNEX

Tiger-tec® Gold



Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | r mm | P | | K | |
|------------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|-------|------|--------|--------|--------|--------|
| | | | | | | HC | HC | HC | HC |
|  SNEX15T612R-B67 | E | 8 | 7.1 | 15.88 | 1.2 | WKP35S | WPP35G | WKP35S | WPP35G |
| | | | | | | | | | |

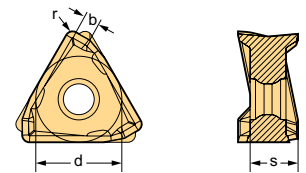
Ordering example for the grade WKP35S: SNEX15T612R-B67 WKP35S
 Ordering example for the grade WPP35G: SNEX15T612R-B67 WPP35G

HC = Coated carbide



Negative triangular

TNMU

Tiger-tec® Gold



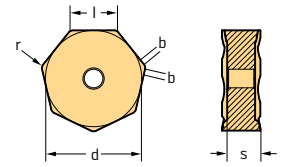
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | d mm | r mm | b mm | P | | M | K | | S |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|------|------|--------|--------|--------|--------|--------|--------|
| | | | | | | | HC | HC | HC | HC | HC | |
|  TNMU11T304R-G57 TNMU160508R-G57 | M | 6 | 3.75 | 6.72 | 0.4 | 1 | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSP45G |
| | | | | | | | | | | | | |
|  TNMU11T304R-G27 TNMU11T308R-G27 TNMU160508R-G27 TNMU160512R-G27 TNMU160516R-G27 | M | 6 | 3.75 | 6.72 | 0.4 | 1 | | | | | | |
| | M | 6 | 3.75 | 6.72 | 0.8 | 0.8 | | | | | | |
| | M | 6 | 5.35 | 9.6 | 0.8 | 1.6 | | | | | | |
| | M | 6 | 5.35 | 9.6 | 1.2 | 1.3 | | | | | | |
| | M | 6 | 5.35 | 9.6 | 1.6 | 0.9 | | | | | | |




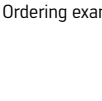

Ordering example for the grade WKP25S: TNMU11T304R-G57 WKP25S
 Ordering example for the grade WKP35G: TNMU11T304R-G57 WKP35G

HC = Coated carbide

Negative heptagonal XNHF Tiger-tec® Gold



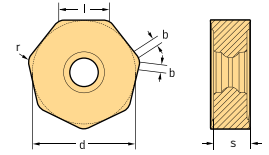
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | d mm | l mm | r mm | b mm | P | | | | K | | | | | | |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|-------|------|------|------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|---|
| | | | | | | | | HC | | | | HC | | | | | | |
| | | | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WAK15 | WKK25G | WKP25S | WKP35G | WKP35S | WPP35G | |
|  XNHF0705ANN-D27 | H | 14 | 5 | 14.5 | 7 | 0.8 | 1.1 | ☺ | | | | | ☹ | ☹ | | | | |
|  XNHF0906ANN-D27 | H | 14 | 5.68 | 19.05 | 9 | 0.8 | 1.4 | ☹ | | ☹ | | | ☹ | ☹ | | | | ☹ |
|  XNHF0705ANN-D57 | H | 14 | 5 | 14.5 | 7 | 0.8 | 1.1 | ☺ | ☹ | | | | ☹ | ☹ | ☹ | | | |
|  XNHF0906ANN-D57 | H | 14 | 5.68 | 19.05 | 9 | 0.8 | 1.4 | ☹ | ☹ | ☹ | | | ☹ | ☹ | ☹ | ☹ | | |
|  XNHF0705ANN-D67 | H | 14 | 5 | 14.5 | 7 | 0.8 | 1.1 | | | | | | ☹ | | | | | |






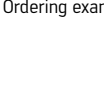
Ordering example for the grade WKK25G: XNHF0705ANN-D27 WKK25G

HC = Coated carbide

Negative heptagonal XNMU Tiger-tec® Gold



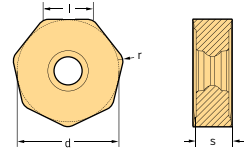
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | d mm | l mm | r mm | b mm | P | | | M | | | K | | | | S | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|-------|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSM45X | WSP45G | WKK25G | WKP25S | WKP35G | WKP35S |
|  XNMU0705ANN-F27  XNMU0906ANN-F27 | M | 14 | 5 | 14.5 | 6.98 | 0.8 | 1.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| | M | 14 | 5.88 | 19.05 | 9.18 | 0.8 | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  XNMU0705ANN-F57  XNMU0906ANN-F57 | M | 14 | 5 | 14.5 | 6.98 | 0.8 | 1.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| | M | 14 | 5.88 | 19.05 | 9.18 | 0.8 | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
|  XNMU0705ANN-F67  XNMU0906ANN-F67 | M | 14 | 5 | 14.5 | 6.98 | 0.8 | 1.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| | M | 14 | 5.88 | 19.05 | 9.18 | 0.8 | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |


Ordering example for the grade WKK25G: XNMU0705ANN-F27 WKK25G

HC = Coated carbide

Negative heptagonal XNMU Tiger-tec® Gold



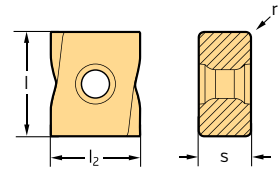
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | d mm | l mm | r mm | P | | M | | K | | S | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|-------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | | | | | | | HC | | HC | | HC | | HC | | | | | | | |
| | | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSM35G | WSP45G | WKP25S | WKP35G | WKP35S | WPP35G | WSM35G | WSP45G | |
|  XNMU070508-F57 XNMU090612-F57 | M | 14 | 5 | 14.5 | 6.98 | 0.8 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| | M | 14 | 5.88 | 19.05 | 9.18 | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |


Ordering example for the grade WKP25S: XNMU070508-F57 WKP25S
Ordering example for the grade WKP35G: XNMU070508-F57 WKP35G

HC = Coated carbide

Tangential rhombic LNMX Tiger-tec® Gold



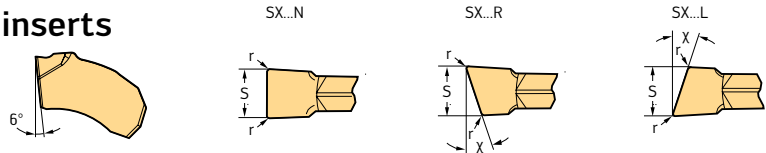
Indexable inserts

| Designation | Tolerance class | Number of cutting edges | s mm | l mm | l ₂ mm | r mm | P | | | | | M | | K | | | S | |
|----------------------------------------------------------------------------------------------------|-----------------|-------------------------|------|------|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | | | | | | | HC | | | | | HC | HC | HC | | HC | | |
| | | | | | | | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | WSP45G | WKP25S | WKP35G | WKP35S | WPP35G | WSP45G | |
|  LNMX201012R-F57T | M | 4 | 10 | 20 | 17.05 | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |

Ordering example for the grade WKP35G: LNMX201012R-F27T WKP35G

HC = Coated carbide

Grooving and parting off – cutting inserts SX Tiger-tec® Gold



Cutting inserts

| Designation | s mm | r mm | S _{Tol} mm | h _{Tol} mm | P | | | | M | | K | | S | | |
|-------------------|------|------|---------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | HC | | | | HC | HC | HC | HC | | | |
| | | | | | WKP23G | WSM23G | WSM33G | WSM43G | WSM23G | WSM33G | WSM43G | WKP23G | WSM23G | WSM33G | WSM43G |
| SX-1E150N01-CE4 | 1.5 | 0.15 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-2E200N02-CE4 | 2 | 0.2 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-2E260N03-CE4 | 2.6 | 0.3 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-3E300N02-CE4 | 3 | 0.2 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-3E310N03-CE4 | 3.1 | 0.3 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-4E400N02-CE4 | 4 | 0.2 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-4E410N03-CE4 | 4.1 | 0.3 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-5E500N04-CE4 | 5 | 0.4 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-6E600N04-CE4 | 6 | 0.4 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-8E800N08-CE4 | 8 | 0.8 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-10E1000N08-CE4 | 10 | 0.8 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| SX-4E480N03-CE4 | 4.8 | 0.3 | ±0.05 | ±0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |

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

Ordering example for the grade WKP23G: SX-10E1000N08-CE4 WKP23G

HC = Coated carbide

Face milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| Lead angle κ | 42° | 42° | 43° | 43° |



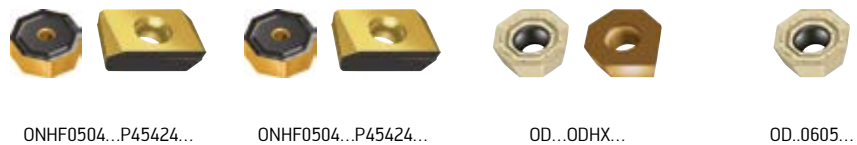
| Designation | M2026 | | M2025 | | M5004 Xtra-tec® XT | | F2010 | |
|----------------|---------------|---|--------------|---|--------------------|-------------|--------|---|
| Diameter range | 208.47–258.47 | — | 88.47–168.47 | — | 32–170 | 1.250–6.394 | 90–325 | — |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|--|---|--|---|---|---|--|
| DIN 1835 B | | | | | | | | |
| Cylindrical bore DIN 138 | ✓ | | ✓ | | ✓ | ✓ | ✓ | |
| ScrewFit | | | | | ✓ | ✓ | | |
| Cylindrical shank | | | | | ✓ | ✓ | | |
| Cylindrical modular | | | | | ✓ | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |

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

Indexable inserts



| | | | | |
|-------------------------|--------|--------|-------|---|
| Number of cutting edges | 16 / 4 | 16 / 4 | 8 / 1 | 8 |
| Max. depth of cut | 3 | 3 | 3 - 4 | 4 |
| Page in catalog | | | | |

QR code



www.walter-tools.com/woc/

M2026

M2025

M5004

F2010

Face milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| Lead angle κ | 45° | 45° | 45° | 45° |



| Designation | M5009 Xtra-tec® XT | | M4003 | | M3024 Walter BLAXX | | F4045 Xtra-tec® | |
|----------------|-----------------------|--------------|--------------|-------------|-----------------------|-------------|--------------------|---|
| Diameter range | 50.43–174 | 2.411–12.535 | 29.63–173.41 | 1.129–6.528 | 49.8–172.86 | 2.386–6.506 | 72.8–172.8 | — |

Boring bar/adaptor type

| | | | | | | | | |
|------------------------------------------------------|----|---|----|---|----|---|----|--|
| DIN 1835 B | | | | | | | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| ScrewFit | ✓ | | | | | | | |
| Cylindrical shank | | | ✓ | ✓ | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |
| P Steel | ●● | | ●● | | ●● | | | |
| M Stainless steel | ●● | | ●● | | ●● | | | |
| K Cast iron | ●● | | ●● | | ●● | | ●● | |
| N NF metals | ●● | | ●● | | ●● | | | |
| S Materials with difficult cutting properties | ●● | | ●● | | ●● | | | |
| H Hard materials | ● | | ● | | | | ● | |
| O Other | ● | | ● | | | | | |

Indexable inserts



SN.X...XNGX...ANN...



SD...SDHX...



XN.U0705...XNGX0705...



XN.F0705...XN.X0705...

| | | | | |
|-------------------------|-------|-----------|--------|--------|
| Number of cutting edges | 8 / 2 | 4 / 1 | 14 / 2 | 14 / 2 |
| Max. depth of cut | 5 - 6 | 4.5 - 6.5 | 4 - 6 | 4 - 6 |
| Page in catalog | | | | |

QR code



M5009



M4003



M3024

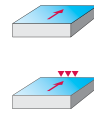


F4045

www.walter-tools.com/woc/

Face milling cutters

Machining



Lead angle κ

45°

45°

45°

45°



| Designation | F2010 | | F2010 | | F2010 | | F2010 | |
|----------------|--------|---|--------|---|--------|---|--------|---|
| Diameter range | 90–325 | — | 94–329 | — | 94–329 | — | 90–325 | — |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|--|---|--|---|--|---|--|
| DIN 1835 B | | | | | | | | |
| Cylindrical bore DIN 138 | ✓ | | ✓ | | ✓ | | ✓ | |
| ScrewFit | | | | | | | | |
| Cylindrical shank | | | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |

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

Indexable inserts



XN.U0705...



SD..1204AZN...



SN.X1205...



ODHX0605ZZN...

| | | | | |
|-------------------------|----|---|-----|---|
| Number of cutting edges | 14 | 4 | 8 | 8 |
| Max. depth of cut | 4 | 6 | 6.5 | 2 |
| Page in catalog | | | | |

QR code



www.walter-tools.com/woc/

F2010

F2010

F2010

F2010

WALTER SELECT

●● Primary application ● Other application

Face milling cutters

| | | | | |
|---------------------|-----|--|-----|--|
| Machining | | | | |
| | 60° | | 75° | |
| Lead angle κ | 60° | | 75° | |
| | 60° | | 88° | |



| Designation | M3016 Walter BLAXX | | F2260 | | M5011 Xtra-tec® XT | | M5012 Xtra-tec® XT | |
|----------------|-----------------------|---|---------|---|-----------------------|---|-----------------------|-------------|
| Diameter range | 143.6–333.6 | — | 113–263 | — | 55.5–165.5 | — | 40–160 | 2.000–6.000 |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|--|---|--|---|--|---|---|
| DIN 1835 B | | | | | | | | |
| Cylindrical bore DIN 138 | ✓ | | ✓ | | ✓ | | ✓ | ✓ |
| ScrewFit | | | | | | | | |
| Cylindrical shank | | | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |

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

Indexable inserts



LNMX2010...



LNMU1508...



SN.X1205...XNGX1205ENN...



SN.X...XNGX...ZNN...

| | | | | |
|-------------------------|----|----|-------|--------|
| Number of cutting edges | 4 | 4 | 8 / 2 | 8 / 2 |
| Max. depth of cut | 16 | 11 | 8 | 8 - 10 |
| Page in catalog | | | | |

QR code


www.walter-tools.com/woc/

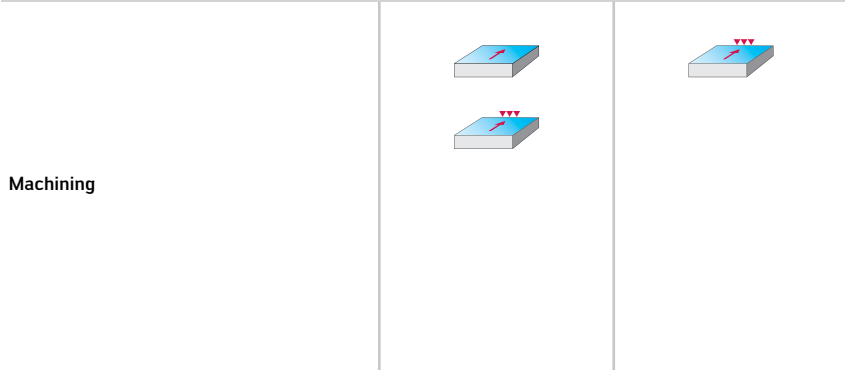
M3016

F2260

M5011

M5012

Face milling cutters



| | | |
|---------------------|-----|-----|
| Lead angle κ | 90° | 90° |
|---------------------|-----|-----|



| Designation | F2250 | | F2010 | |
|----------------|--------|---|--------|---|
| Diameter range | 63–100 | — | 80–315 | — |

Boring bar/adaptor type

| | | | | |
|--------------------------|---|--|---|--|
| DIN 1835 B | | | | |
| Cylindrical bore DIN 138 | ✓ | | ✓ | |
| ScrewFit | | | | |
| Cylindrical shank | | | | |
| Cylindrical modular | | | | |
| Steep taper | | | | |
| HSK | | | | |
| NCT | | | | |

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

Indexable inserts



SP..1204...



P2903..

| | | |
|-------------------------|---|---|
| Number of cutting edges | 1 | 3 |
| Max. depth of cut | 3 | 9 |
| Page in catalog | | |

QR code



F2250

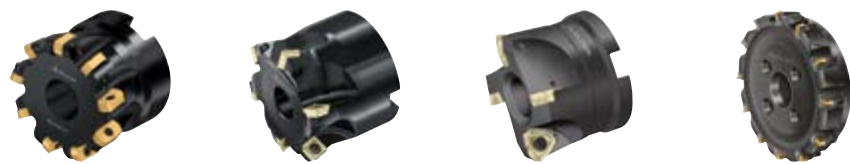


F2010

www.walter-tools.com/woc/

High-feed milling cutters

| | | | | |
|-----------|---------------------|-----|-----|-----|
| Machining | | | | |
| | Lead angle κ | 15° | 15° | 15° |



| Designation | M5008 Xtra-tec® XT | | M4002 | | F2330 | | F2010 | |
|----------------|-----------------------|-------------|--------|-------------|-------|-------------|--------|---|
| Diameter range | 16-66 | 0.625-3.000 | 20-125 | 0.750-4.000 | 20-85 | 0.750-4.000 | 93-328 | — |

Boring bar/adaptor type

| | | | | | | | | |
|------------------------------------------------------|----|----|----|----|----|----|----|----|
| DIN 1835 B | | | | | | ✓ | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| ScrewFit | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Cylindrical shank | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Cylindrical modular | ✓ | | ✓ | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |
| P Steel | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| N NF metals | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | ●● | | | | | | ● | |
| O Other | | | | | | | | |

Indexable inserts



EN.X08T3...



SD...SD.X...



P263...



SD..1204...SD.X1205...

| | | | | |
|-------------------------|---|-------|-------|-------|
| Number of cutting edges | 4 | 4 / 4 | 3 | 4 / 4 |
| Max. depth of cut | 1 | 1 - 2 | 1 - 2 | 2 |
| Page in catalog | | | | |

QR code



M5008



M4002



F2330



F2010

www.walter-tools.com/woc/

High-feed milling cutters

| | | |
|-----------|-----|-----|
| Machining | | |
| | 15° | 21° |



| Designation | F2010 | | F4030 Xtra-tec® | |
|----------------|-----------|---|-----------------|-------------|
| Diameter range | 87–322.15 | — | 25–100 | 1.000–4.000 |

| Boring bar/adaptor type | F2010 | | F4030 Xtra-tec® | |
|------------------------------------------------------|-------|--|-----------------|---|
| DIN 1835 B | | | | |
| Cylindrical bore DIN 138 | ✓ | | ✓ | ✓ |
| ScrewFit | | | ✓ | ✓ |
| Cylindrical shank | | | ✓ | ✓ |
| Cylindrical modular | | | | |
| Steep taper | | | | |
| HSK | | | | |
| NCT | | | | |
| P Steel | ●● | | ●● | |
| M Stainless steel | ●● | | ●● | |
| K Cast iron | ●● | | ●● | |
| N NF metals | | | | |
| S Materials with difficult cutting properties | ●● | | ●● | |
| H Hard materials | | | | |
| O Other | | | | |

| Indexable inserts | F2010 | | F4030 Xtra-tec® | |
|-------------------|---------|--|-----------------|--|
| | | | | |
| | P263... | | P23696... | |

| | | |
|-------------------------|---|-------|
| Number of cutting edges | 3 | 6 |
| Max. depth of cut | 2 | 1 - 2 |
| Page in catalog | | |

| QR code | F2010 | F4030 |
|---------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | | |
| | www.walter-tools.com/woc/F2010 | www.walter-tools.com/woc/F4030 |

D2

Shoulder milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| | | | | |
| | | | | |
| Lead angle κ | 90° | 90° | 90° | 90° |



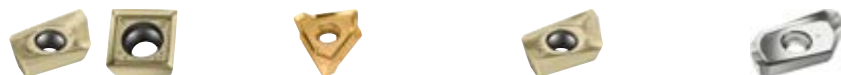
| Designation | M5250 Xtra-tec® XT | | M5137 Xtra-tec® XT | | M5130 Xtra-tec® XT | | M2331 | |
|-----------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-------|-------|
| Diame-ter range | 50-80 | 2.000-3.000 | 25-160 | 1.000-6.000 | 10-160 | 0.500-6.000 | 40-50 | 2.000 |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|--|
| DIN 1835 B | | | ✓ | ✓ | ✓ | ✓ | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| ScrewFit | | | | | ✓ | ✓ | | |
| Cylindrical shank | | | | | ✓ | ✓ | | |
| Cylindrical modular | | | | | ✓ | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | ✓ | | | | | | | |

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

Indexable inserts



BC..1605..SC..1105..

TNMU...

AC... / BC...

ZDGT..A...

| | | | | |
|-------------------------|---------|-------|--------|---------|
| Number of cutting edges | 2 / 4 | 6 | 2 | 2 |
| Max. depth of cut | 43 - 99 | 5 - 8 | 5 - 15 | 15 - 20 |
| Page in catalog | 412 | | | |

QR code


www.walter-tools.com/woc/

M5250

M5137

M5130

M2331

Shoulder milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| | | | | |
| | | | | |
| Lead angle κ | 90° | 90° | 90° | 90° |



| Designation | M2136 | | M2131 | | F5241 Walter BLAXX | | F5141 Walter BLAXX | |
|----------------|--------|---|-------|-------------|-----------------------|---|-----------------------|-------------|
| Diameter range | 50-160 | — | 25-80 | 1.000-3.000 | 50-160 | — | 40-160 | 1.500-6.000 |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|--|---|---|---|--|---|---|
| DIN 1835 B | | | | | | | ✓ | ✓ |
| Cylindrical bore DIN 138 | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ |
| ScrewFit | | | ✓ | ✓ | | | ✓ | ✓ |
| Cylindrical shank | | | ✓ | ✓ | | | ✓ | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | ✓ | | | | | |
| NCT | | | | | | | | |

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

Indexable inserts



SNEF1204...SNEX1204...

ZDGT...

LN.U1607...

LN.U1306...LNHX1306...

| | | | | |
|-------------------------|-------|---------|----|-------|
| Number of cutting edges | 8 / 4 | 2 | 4 | 4 / 4 |
| Max. depth of cut | 6.5 | 15 - 20 | 15 | 12 |
| Page in catalog | | | | |

QR code



www.walter-tools.com/woc/

M2136

M2131

F5241

F5141

Shoulder milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Lead angle κ | 90° | 90° | 90° | 90° |



| Designation | F5041 Walter BLAXX | | F5138 Walter BLAXX | | F5038 Walter BLAXX | | F4338 Xtra-tec® | |
|----------------|-----------------------|-------------|-----------------------|-------------|-----------------------|---|--------------------|---|
| Diameter range | 25-63 | 1.000-2.000 | 40-80 | 1.500-2.500 | 25-40 | — | 63-80 | — |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|---|---|---|---|--|---|--|
| DIN 1835 B | ✓ | ✓ | | ✓ | ✓ | | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | ✓ | ✓ | | | ✓ | |
| ScrewFit | ✓ | ✓ | ✓ | | ✓ | | | |
| Cylindrical shank | ✓ | ✓ | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |

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

Indexable inserts



LN.U0904...LNHX0904...

LN.U1306...

LN.U0904...

AD..1807...

| | | | | |
|-------------------------|-------|---------|---------|---------|
| Number of cutting edges | 4 / 4 | 4 | 4 | 2 |
| Max. depth of cut | 8 | 34 - 56 | 32 - 40 | 47 - 78 |
| Page in catalog | | | | |

QR code


www.walter-tools.com/woc/

F5041

F5138

F5038

F4338

Shoulder milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| | | | | |
| | | | | |
| Lead angle κ | 90° | 90° | 90° | 90° |



| Designation | F4238 Xtra-tec® | | F4138 Xtra-tec® | | F4038 Xtra-tec® | | F4042 Xtra-tec® | |
|----------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|--------------------|---|
| Diameter range | 40-80 | 1.500-3.000 | 32-63 | 1.250-2.000 | 20-32 | 0.750-1.000 | 63-160 | — |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|--|
| DIN 1835 B | | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | ✓ | ✓ | | | ✓ | |
| ScrewFit | ✓ | | ✓ | ✓ | ✓ | | | |
| Cylindrical shank | | | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | ✓ | | ✓ | | | | | |

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

Indexable inserts



AD..1606... AD..1204... AD..0803... AD..1807...

| | | | | |
|-------------------------|---------|---------|---------|------|
| Number of cutting edges | 2 | 2 | 2 | 2 |
| Max. depth of cut | 29 - 99 | 33 - 54 | 22 - 37 | 16.7 |
| Page in catalog | | | | |

QR code



www.walter-tools.com/woc/

F4238

F4138

F4038

F4042

Shoulder milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Lead angle κ | 90° | 90° | 90° | 90° |



| Designation | F4042R Xtra-tec® | | F4041 Xtra-tec® | | F2338F | | F2010 | |
|-----------------|---------------------|-------------|--------------------|-------------|--------|---|--------|--------------|
| Diame-ter range | 16-63 | 0.625-2.000 | 40-125 | 1.500-4.000 | 63-85 | — | 80-315 | 3.000-12.000 |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|---|---|---|---|--|---|---|
| DIN 1835 B | ✓ | ✓ | ✓ | | | | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| ScrewFit | ✓ | ✓ | ✓ | ✓ | | | | |
| Cylindrical shank | ✓ | ✓ | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |

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

Indexable inserts



| | | | | |
|-------------------------|-------|----|---------|---|
| Number of cutting edges | 2 / 2 | 4 | 4 | 6 |
| Max. depth of cut | 10 | 13 | 48 - 70 | 8 |
| Page in catalog | | | | |

QR code



www.walter-tools.com/woc/

F4042R

F4041

F2338F

F2010

Shoulder milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Lead angle κ | 90° | 90° | 90° | 90° |



| Designation | F2010 | | F2010 | | F2010 | | F2010 | |
|----------------|--------|--------------|--------|--------------|--------|---|--------|---|
| Diameter range | 80-315 | 3.000-12.000 | 80-315 | 3.000-12.000 | 80-315 | — | 80-315 | — |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|---|---|---|---|--|---|--|
| DIN 1835 B | | | | | | | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| ScrewFit | | | | | | | | |
| Cylindrical shank | | | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |

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

Indexable inserts



BC..1605... BC..1204... LN.U1306... LN.U0904...

| | | | | |
|-------------------------|----|-------------|----|---|
| Number of cutting edges | 2 | 2 | 4 | 4 |
| Max. depth of cut | 15 | 11.7 - 11.7 | 12 | 8 |
| Page in catalog | | | | |

QR code



www.walter-tools.com/woc/

F2010

F2010

F2010

F2010

Shoulder milling cutters

| | | | | |
|---------------------|-----|-----|-----|--------|
| Machining | | | | |
| | | | | |
| | | | | |
| | | | | |
| Lead angle κ | 90° | 90° | 90° | 89,75° |



| Designation | F2010 | | F2010 | | F2010 | | M4132 | |
|----------------|--------|---|--------|---|--------|---|--------|---------|
| Diameter range | 80-315 | — | 80-315 | — | 80-315 | — | 16-125 | 0.625-3 |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|--|---|--|---|--|---|---|
| DIN 1835 B | | | | | | | ✓ | ✓ |
| Cylindrical bore DIN 138 | ✓ | | ✓ | | ✓ | | ✓ | ✓ |
| ScrewFit | | | | | | | ✓ | |
| Cylindrical shank | | | | | | | | |
| Cylindrical modular | | | | | | | ✓ | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |

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

Indexable inserts



LN.X1307... AD..1606... AD..1204... SD...

| | | | | |
|-------------------------|----|----|------|------------|
| Number of cutting edges | 4 | 2 | 2 | 4 |
| Max. depth of cut | 13 | 15 | 11.7 | 5.6 - 11.6 |
| Page in catalog | | | | |

QR code



www.walter-tools.com/woc/

F2010

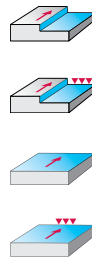
F2010

F2010

M4132

Shoulder milling cutters

Machining



| | | |
|---------------------|-------|-------|
| Lead angle κ | 89,5° | 89,5° |
|---------------------|-------|-------|



| Designation | F2010 | | F2010 | |
|----------------|--------|---|--------|---|
| Diameter range | 80–315 | — | 80–315 | — |

Boring bar/adaptor type

| | | | | |
|--------------------------|---|--|---|--|
| DIN 1835 B | | | | |
| Cylindrical bore DIN 138 | ✓ | | ✓ | |
| ScrewFit | | | | |
| Cylindrical shank | | | | |
| Cylindrical modular | | | | |
| Steep taper | | | | |
| HSK | | | | |
| NCT | | | | |

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

Indexable inserts



SD..1204...

SD..09T3...

| | | |
|-------------------------|------|-----|
| Number of cutting edges | 4 | 4 |
| Max. depth of cut | 11.6 | 8.4 |
| Page in catalog | | |

QR code



www.walter-tools.com/woc/

F2010

F2010

WALTER SELECT

●● Primary application ● Other application

D2

Slot milling cutters

| | | | | |
|-----------|-----|-----|-----|-----|
| Machining | | | | |
| | 90° | 90° | 90° | 90° |



| Designation | M4792 | | M4791 | | M4258 | | M4257 | |
|----------------|-----------|-------------|-------|-------------|--------|-------------|-------|-------------|
| Diameter range | 17.9–39.9 | 0.750–1.500 | — | 0.750–1.500 | 50–100 | 3.000–4.000 | 40–63 | 1.500–2.000 |

Boring bar/adaptor type

| | | | | | | | | |
|------------------------------------------------------|----|----|----|----|----|----|----|----|
| DIN 1835 B | ✓ | ✓ | | ✓ | | | ✓ | ✓ |
| Cylindrical bore DIN 138 | | | | | ✓ | ✓ | ✓ | ✓ |
| ScrewFit | | | | | | | ✓ | |
| Cylindrical shank | | | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |
| P Steel | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| M Stainless steel | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| K Cast iron | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| N NF metals | | ●● | ●● | ●● | | | | |
| S Materials with difficult cutting properties | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| H Hard materials | | | | ● | | | | |
| O Other | | | | | | | | |

Indexable inserts

 LD...
SD...

SD...

 LD..1704...
SD..1204...

 LD..14T3...
SD...09T3...

| | | | | |
|-------------------------|------------|------------|----------|---------|
| Number of cutting edges | 2 / 4 | 4 | 2 / 4 | 2 / 4 |
| Max. depth of cut | 8.3 - 26.9 | 5.6 - 11.6 | 25 - 118 | 47 - 54 |
| Cutting width SB [mm] | | | | |

Page in catalog
QR code

www.walter-tools.com/woc/

M4792

M4791

M4258

M4257

Slot milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| Lead angle κ | 90° | 90° | 90° | 90° |



| Designation | M4256 | | M3255 Walter BLAXX | | F5055 Walter BLAXX | | F4253 Xtra-tec® | |
|------------------------------------------------------|-------|---|-----------------------|-------------|-----------------------|---|--------------------|---|
| Diameter range | 20-32 | — | 50-80 | 2.000-3.000 | 63-500 | — | 100-315 | — |
| Boring bar/adaptor type | | | | | | | | |
| DIN 1835 B | ✓ | | | | | | | |
| Cylindrical bore DIN 138 | | | ✓ | ✓ | ✓ | | ✓ | |
| ScrewFit | ✓ | | | | | | | |
| Cylindrical shank | | | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |
| P Steel | ●● | | | | ●● | | ●● | |
| M Stainless steel | ●● | | ●● | | ●● | | ●● | |
| K Cast iron | ●● | | | | ●● | | ●● | |
| N NF metals | | | | | ●● | | | |
| S Materials with difficult cutting properties | ●● | | ●● | | ●● | | ●● | |
| H Hard materials | | | | | | | | |
| O Other | | | | | | | | |

Indexable inserts



LD..08T2...
SD..06T2...

XNHX1306...
LNHX1206...

SX...

LN.U...

| | | | | |
|-------------------------|---------|---------|-------|-------|
| Number of cutting edges | 2 / 4 | 2 / 4 | 1 | 4 |
| Max. depth of cut | 27 - 37 | 46 - 80 | — | — |
| Cutting width SB [mm] | | | 1.5-5 | 12-25 |

Page in catalog

QR code



www.walter-tools.com/woc/

M4256

M3255

F5055

F4253

WALTER SELECT

●● Primary application ● Other application

D2

Slot milling cutters

| | | | | |
|---------------------|-----|-----|-----|-----|
| Machining | | | | |
| | | | | |
| Lead angle κ | 90° | 90° | 90° | 90° |



| Designation | F4153 Xtra-tec® | | F4053 Xtra-tec® | | F2252 | | F2252 | |
|----------------|--------------------|-------------|--------------------|---|---------|---|---------|---|
| Diameter range | 80–200 | 3.000–6.000 | 80–160 | — | 125–200 | — | 125–200 | — |

Boring bar/adaptor type

| | | | | | | | | |
|------------------------------------------------------|----|---|----|--|----|--|----|--|
| DIN 1835 B | | | | | | | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | ✓ | | ✓ | | ✓ | |
| ScrewFit | | | | | | | | |
| Cylindrical shank | | | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |
| P Steel | ●● | | ●● | | ●● | | ●● | |
| M Stainless steel | ●● | | ●● | | ●● | | ●● | |
| K Cast iron | ●● | | ●● | | ●● | | ●● | |
| N NF metals | | | | | ●● | | ●● | |
| S Materials with difficult cutting properties | ●● | | ●● | | ●● | | ●● | |
| H Hard materials | | | | | | | | |
| O Other | | | | | ● | | ● | |

Indexable inserts



LN.U... LN.X0702... BC..1605... BC..1204...

| | | | | |
|-------------------------|------|---|-----|-------|
| Number of cutting edges | 4 | 4 | 2 | 2 |
| Max. depth of cut | — | — | — | — |
| Cutting width SB [mm] | 6–10 | 4 | 22 | 16–19 |
| Page in catalog | | | 420 | 418 |

QR code



www.walter-tools.com/woc/

F4153

F4053

F2252

F2252

Slot milling cutters

Machining



| | | | | | | | | |
|---------------------|-----|--|-----|--|-----|--|-----|--|
| Lead angle κ | 90° | | 90° | | 90° | | 90° | |
|---------------------|-----|--|-----|--|-----|--|-----|--|



| | | | | | | | | |
|----------------|---------|---|---------|---|---------|---|---------|---|
| Designation | F2252 | | F2252 | | F2252 | | F2252 | |
| Diameter range | 100–160 | — | 125–200 | — | 125–200 | — | 100–160 | — |

Boring bar/adaptor type

| | | | | | | | | |
|------------------------------------------------------|----|--|----|--|----|--|----|--|
| DIN 1835 B | | | | | | | | |
| Cylindrical bore DIN 138 | ✓ | | ✓ | | ✓ | | ✓ | |
| ScrewFit | | | | | | | | |
| Cylindrical shank | | | | | | | | |
| Cylindrical modular | | | | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |
| P Steel | ●● | | ●● | | ●● | | ●● | |
| M Stainless steel | ●● | | ●● | | ●● | | ●● | |
| K Cast iron | ●● | | ●● | | ●● | | ●● | |
| N NF metals | ●● | | ●● | | ●● | | ●● | |
| S Materials with difficult cutting properties | ●● | | ●● | | ●● | | ●● | |
| H Hard materials | | | | | | | | |
| O Other | ● | | ● | | ● | | ● | |

Indexable inserts



BC..0903... AD..1606... AD..1204... AD..0803...

| | | | | | | | | |
|-------------------------|-------|--|----|--|-------|--|-------|--|
| Number of cutting edges | 2 | | 2 | | 2 | | 2 | |
| Max. depth of cut | — | | — | | — | | — | |
| Cutting width SB [mm] | 12–14 | | 22 | | 16–19 | | 12–14 | |
| Page in catalog | 416 | | | | | | | |

QR code



www.walter-tools.com/woc/

F2252

F2252

F2252

F2252

WALTER SELECT

●● Primary application ● Other application

D2

Slot milling cutters

Machining



| | | | |
|---------------------|-----|-----|-----|
| Lead angle κ | 90° | 90° | 90° |
|---------------------|-----|-----|-----|



| Designation | F2252 | | F2252 | | F2252 | |
|----------------|---------|---|---------|---|--------|---|
| Diameter range | 125–200 | — | 100–160 | — | 80–160 | — |

Boring bar/adaptor type

| | | | | | | |
|--------------------------|---|--|---|--|---|--|
| DIN 1835 B | | | | | | |
| Cylindrical bore DIN 138 | ✓ | | ✓ | | ✓ | |
| ScrewFit | | | | | | |
| Cylindrical shank | | | | | | |
| Cylindrical modular | | | | | | |
| Steep taper | | | | | | |
| HSK | | | | | | |
| NCT | | | | | | |

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

Indexable inserts


 MP..1204...
P2905..

 MP..0803...
P2905..

 MP..0603...
P2905..

| | | | |
|-------------------------|-------|-------|-------|
| Number of cutting edges | 2 / 4 | 2 / 4 | 2 / 4 |
| Max. depth of cut | — | — | — |
| Cutting width SB [mm] | 16–22 | 10–14 | 8–9 |

Page in catalog

QR code


www.walter-tools.com/woc/

F2252

F2252

F2252

Copy milling cutters

| | | | | |
|---------------------|--|--|--|--|
| Machining | | | | |
| | | | | |
| Lead angle κ | | | | |



| Designation | M5468 Xtra-tec® XT | | M5460 Xtra-tec® XT | | M2473 | | M2472 | |
|----------------|-----------------------|-------------|-----------------------|-------------|-------|---|-------|---|
| Diameter range | 10-160 | 1.000-5.000 | 8-32 | 0.375-1.000 | 40-63 | — | 32-50 | — |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|---|---|---|---|--|---|--|
| DIN 1835 B | ✓ | ✓ | ✓ | ✓ | | | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | | | ✓ | | ✓ | |
| ScrewFit | ✓ | ✓ | ✓ | | ✓ | | ✓ | |
| Cylindrical shank | | | ✓ | ✓ | | | | |
| Cylindrical modular | ✓ | | ✓ | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |

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

Indexable inserts



RD.X... / RO.X...



P32...



RNGN1207...WIS..



RPGN1204...WIS..

| | | | | |
|-------------------------|----------|--------|---|---|
| Number of cutting edges | 4 / 8 | 1 | 8 | 4 |
| Max. depth of cut | 2.5 - 10 | 4 - 16 | 6 | 6 |
| Page in catalog | | | | |

QR code



www.walter-tools.com/woc/

M5468

M5460

M2473

M2472

Copy milling cutters

| | | | | |
|---------------------|--|--|--|--|
| Machining | | | | |
| | | | | |
| Lead angle κ | | | | |



| Designation | M2471 | | F2339 | | F2334R | | F2239 | |
|----------------|-------|---|-------|-------------|--------|-------------|-------|---|
| Diameter range | 25-63 | — | 16-50 | 0.625-2.000 | 25-80 | 1.250-2.500 | 20-63 | — |

Boring bar/adaptor type

| | | | | | | | | |
|--------------------------|---|--|---|---|---|---|---|--|
| DIN 1835 B | | | ✓ | ✓ | | | ✓ | |
| Cylindrical bore DIN 138 | ✓ | | | | ✓ | ✓ | | |
| ScrewFit | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Cylindrical shank | ✓ | | | | ✓ | ✓ | | |
| Cylindrical modular | | | ✓ | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | ✓ | |

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

Indexable inserts



RN.X...



XD.T...SP...



RO.X...



SP...

| | | | | |
|-------------------------|-------|---------|-------|---------|
| Number of cutting edges | 8 | 2 / 4 | 4 | 4 |
| Max. depth of cut | 5 - 6 | 11 - 57 | 5 - 6 | 15 - 84 |
| Page in catalog | | | | |

QR code


www.walter-tools.com/woc/

M2471

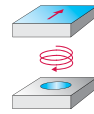
F2339

F2334R

F2239

Copy milling cutters

Machining



Lead angle κ



| Designation | F2010 | | F2010 | | F2010 | |
|----------------|--------|--------------|--------|--------------|------------|---|
| Diameter range | 83-318 | 3.122-12.118 | 83-318 | 3.118-12.118 | 83.3-318.3 | — |

Boring bar/adaptor type

| | | | | | | |
|--------------------------|---|---|---|---|---|--|
| DIN 1835 B | | | | | | |
| Cylindrical bore DIN 138 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| ScrewFit | | | | | | |
| Cylindrical shank | | | | | | |
| Cylindrical modular | | | | | | |
| Steep taper | | | | | | |
| HSK | | | | | | |
| NCT | | | | | | |

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

Indexable inserts



RO.X1204M08...



RO.X1605M08...



RO.X1605...

| | | | | |
|-------------------------|---|---|---|---|
| Number of cutting edges | 8 | 8 | 8 | 6 |
| Max. depth of cut | 6 | 8 | 8 | 8 |
| Page in catalog | | | | |

QR code



F2010



F2010



F2010

www.walter-tools.com/woc/

WALTER SELECT

●● Primary application ● Other application

Profiling cutters

| | | | | | | | | |
|---------------------|-----|--|-----|--|-----|--|-----|--|
| Machining | | | | | | | | |
| | 30° | | 45° | | 60° | | 90° | |
| Lead angle κ | 30° | | 45° | | 60° | | 90° | |



| Designation | M4574 | | M4574 | | M4574 | | M4575 | |
|----------------|-------|-------|-------|-------------|-------|-------|-----------|-------------|
| Diameter range | 8-20 | 0.750 | 8-40 | 0.500-1.500 | 8-20 | 0.750 | 20.5-49.5 | 0.778-1.821 |

Boring bar/adaptor type

| | | | | | | | | |
|------------------------------------------------------|----|---|----|---|----|---|----|---|
| DIN 1835 B | | | | | | | ✓ | ✓ |
| Cylindrical bore DIN 138 | | | | | | | | |
| ScrewFit | | | ✓ | | | | | |
| Cylindrical shank | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Cylindrical modular | | | ✓ | | | | | |
| Steep taper | | | | | | | | |
| HSK | | | | | | | | |
| NCT | | | | | | | | |
| P Steel | ●● | | ●● | | ●● | | ●● | |
| M Stainless steel | ●● | | ●● | | ●● | | ●● | |
| K Cast iron | ●● | | ●● | | ●● | | ●● | |
| N NF metals | ●● | | ●● | | ●● | | ●● | |
| S Materials with difficult cutting properties | ●● | | ●● | | ●● | | ●● | |
| H Hard materials | | | | | | | | |
| O Other | | | | | | | | |

Indexable inserts



SD...



SD...



SD...



SD...

| | | | | |
|-------------------------|---------|-----------|-----------|---|
| Number of cutting edges | 4 | 4 | 4 | 4 |
| Max. depth of cut | 2.7 - 4 | 3.5 - 7.5 | 4.8 - 6.8 | — |
| Page in catalog | | | | |

QR code



M4574



M4574



M4574



M4575

www.walter-tools.com/woc/

Profiling cutters

Machining



| | |
|---------------------|-----|
| Lead angle κ | 90° |
|---------------------|-----|



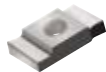
| | | |
|----------------|-------|---|
| Designation | F2036 | |
| Diameter range | 16–63 | — |

Boring bar/adaptor type

| | | |
|--------------------------|---|--|
| DIN 1835 B | ✓ | |
| Cylindrical bore DIN 138 | | |
| ScrewFit | | |
| Cylindrical shank | | |
| Cylindrical modular | | |
| Steep taper | | |
| HSK | | |
| NCT | ✓ | |

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

Indexable inserts



P20200...

| | |
|-------------------------|---|
| Number of cutting edges | 2 |
| Max. depth of cut | — |
| Page in catalog | |

QR code



www.walter-tools.com/woc/ F2036

WALTER SELECT

●● Primary application ● Other application

D2

Helical milling cutters

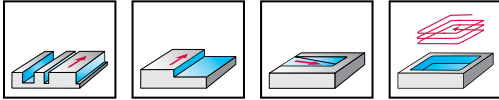
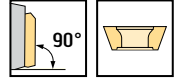
M5250

BC .. 1605 .. R

Xtra-tec® XT

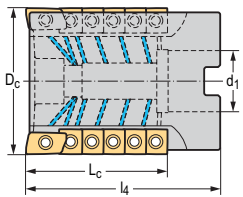


- Full effective design
- 2 or 4 cutting edges per indexable insert

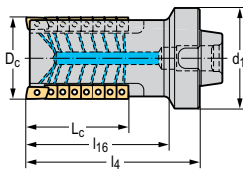


| | P | M | K | N | S | H | O |
|-------|---|---|---|---|---|---|---|
| M5250 | ● | ● | ● | ● | ● | | ● |

Tool



Shell mill mount DIN 138 transverse keyway



Modular NCT adaptor

| Designation | D _c mm | d ₁ mm | l ₄ mm | l ₁₆ mm | L _c mm | Z | kg | Number of WSP | Type |
|-------------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|---|------|---------------|----------------------------------|
| M5250-050-B22-03-43-16 | 50 | 22 | 60 | | 43 | 3 | 0.4 | 3 / 9 | BC .. 1605 .. R SC .. 1105 .. |
| M5250-050-B22-03-62-16 | 50 | 22 | 80 | | 62 | 3 | 0.53 | 3 / 15 | |
| M5250-063-B27-04-43-16 | 63 | 27 | 65 | | 43 | 4 | 0.81 | 4 / 12 | |
| M5250-063-B27-04-62-16 | 63 | 27 | 85 | | 62 | 4 | 1.05 | 4 / 20 | |
| M5250-080-B32-05-62-16 | 80 | 32 | 85 | | 62 | 5 | 1.87 | 5 / 25 | |
| M5250-080-B32-05-80-16 | 80 | 32 | 105 | | 80 | 5 | 2.32 | 5 / 35 | |
| ★ M5250-050-N8-03-71-16 | 50 | 80 | 122 | 89 | 71 | 3 | 1.77 | 3 / 18 | BC .. 1605 .. R SC .. 1105 .. |
| ★ M5250-063-N8-04-80-16 | 63 | 80 | 136 | 107 | 80 | 4 | 2.6 | 4 / 28 | |
| ★ M5250-080-N8-05-99-16 | 80 | 80 | 150 | 130 | 99 | 5 | 4.13 | 5 / 45 | |

Bodies and assembly parts are included in the scope of delivery

Assembly parts

| | D _c [mm] | 50 | 63 | 80 |
|--|----------------------------------------------------------|-----------------------------|------------------------------|------------------------------|
| | Clamping screw for indexable insert Tightening torque | FS2300 (T15IP) 3.5 Nm | FS2300 (T15IP) 3.5 Nm | FS2300 (T15IP) 3.5 Nm |
| | Clamping screw for arbor-mounted tools | M10X045 ISO4762 12.9 (SW 8) | M12X050 ISO4762 12.9 (SW 10) | M16X070 ISO4762 12.9 (SW 14) |

Accessories

| | D _c [mm] | 50-80 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2014 (T15IP) |
| | Screwdriver | FS1485 (T15IP) |

Indexable inserts

| Designation | Tolerance class | Number of cutting edges | b mm | P | | M | | K | | | N | | S | |
|------------------|-----------------|-------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| | | | | HC | | HC | | HC | | | HC | | HC | |
| | | | | WKP35G | WKP35S | WPP35G | WSP45G | WSM45X | WSP45G | WKP35G | WKP35S | WPP35G | WXN15 | WK10 |
| BCGT160508R-G51 | G | 2 | 2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| BCGT160508R-G55 | G | 2 | 2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| BCHT160508R-K85 | H | 2 | 2 | | | | | | | | ☺ | ☺ | | |
| BCHT160512R-K85 | H | 2 | 1.7 | | | | | | | | ☺ | ☺ | | |
| BCHT160516R-K85 | H | 2 | 1.7 | | | | | | | | ☺ | ☺ | | |
| BCHT160520R-K85 | H | 2 | 1.5 | | | | | | | | ☺ | ☺ | | |
| BCHT160525R-K85 | H | 2 | 1.4 | | | | | | | | ☺ | ☺ | | |
| BCHT160530R-K85 | H | 2 | 1.2 | | | | | | | | ☺ | ☺ | | |
| BCHT160540R-K85 | H | 2 | 1.1 | | | | | | | | ☺ | ☺ | | |
| BCMT160508R-F55 | M | 2 | 2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160508R-G55 | M | 2 | 2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160512R-G55 | M | 2 | 1.7 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160516R-G55 | M | 2 | 1.5 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160520R-G55 | M | 2 | 1.5 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160525R-G55 | M | 2 | 1.4 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160530R-G55 | M | 2 | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160532R-G55 | M | 2 | 1.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160540R-G55 | M | 2 | 1.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160550R-G55 | M | 2 | 0.7 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160560R-G55 | M | 2 | 0.1 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160508R-G55W | M | 2 | 2 | | | ☺ | ☺ | ☺ | | | | | | ☺ |
| BCMT160516R-G55W | M | 2 | 1.5 | | | ☺ | ☺ | ☺ | | | | | | ☺ |
| BCMT160530R-G55W | M | 2 | 1.2 | | | ☺ | ☺ | ☺ | | | | | | ☺ |
| BCMT160540R-G55W | M | 2 | 1.5 | | | ☺ | ☺ | ☺ | | | | | | ☺ |
| SCGT110502-G51 | G | 4 | | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| SCHT110502-K85 | H | 4 | | | | | | | | | ☺ | ☺ | | |
| SCMT110502-F55 | M | 4 | | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| SCMT110502-G55 | M | 4 | | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| SCMT110502-G55W | M | 4 | | | | ☺ | ☺ | ☺ | | | | | | ☺ |

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

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = ☺ → Good = ☺ → Moderate = ☺

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

Shoulder milling cutters

D2

Helical milling cutters

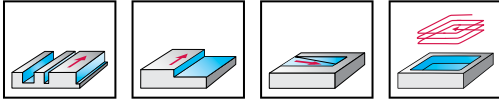
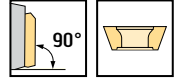
M5250 inch

BC .. 1605 .. R

Xtra-tec® XT



- Full effective design
- 2 or 4 cutting edges per indexable insert



| | | | | | | | |
|-------|---|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| M5250 | ● | ● | ● | ● | ● | | ● |

| Tool | Designation | D _c inch | d ₁ inch | l ₄ inch | L _c inch | Z | lbs | Number of WSP | Type |
|---------------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---|-------|---------------|----------------------------------|
| <p>Shell mill mount DIN 138 transverse keyway</p> | M5250.051-B26-03-52-16 | 2.000 | 1.000 | 3.150 | 2.047 | 3 | 1.285 | 3 / 12 | BC .. 1605 .. R SC .. 1105 .. |
| | M5250.064-B26-04-62-16 | 2.500 | 1.000 | 3.346 | 2.441 | 4 | 2.458 | 4 / 20 | |
| | M5250.076-B31-05-80-16 | 3.000 | 1.250 | 4.134 | 3.150 | 5 | 4.599 | 5 / 35 | |

Bodies and assembly parts are included in the scope of delivery

D2

Assembly parts

| | D _c [inch] | 2-2.5 | 3 |
|--|----------------------------------------------------------|-----------------------------|-----------------------------|
| | Clamping screw for indexable insert Tightening torque | FS2300 (T15IP) 2.581 lbs | FS2300 (T15IP) 2.581 lbs |
| | Clamping screw for arbor-mounted tools | FS1614 | FS2674 |

Accessories

| | D _c [inch] | 2-3 |
|--|-----------------------------|----------------|
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Interchangeable blade | FS2014 (T15IP) |
| | Screwdriver | FS1485 (T15IP) |

Indexable inserts

| Designation | Tolerance class | Number of cutting edges | b inch | P | | M | | K | | | N | | S | |
|------------------|-----------------|-------------------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| | | | | HC | | HC | HC | | HC | HW | HC | | | |
| | | | | WKP35G | WKP35S | WPP35G | WSP45G | WSM45X | WSP45G | WKP35G | WKP35S | WPP35G | WXN15 | WK10 |
| BCGT160508R-G51 | G | 2 | 0.079 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCGT160508R-G55 | G | 2 | 0.079 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCHT160508R-K85 | H | 2 | 0.079 | | | | | | | | ☺ | ☺ | | |
| BCHT160512R-K85 | H | 2 | 0.067 | | | | | | | | ☺ | ☺ | | |
| BCHT160516R-K85 | H | 2 | 0.067 | | | | | | | | ☺ | ☺ | | |
| BCHT160520R-K85 | H | 2 | 0.059 | | | | | | | | ☺ | ☺ | | |
| BCHT160525R-K85 | H | 2 | 0.055 | | | | | | | | ☺ | ☺ | | |
| BCHT160530R-K85 | H | 2 | 0.047 | | | | | | | | ☺ | ☺ | | |
| BCHT160540R-K85 | H | 2 | 0.043 | | | | | | | | ☺ | ☺ | | |
| BCMT160508R-F55 | M | 2 | 0.079 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160508R-G55 | M | 2 | 0.079 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160512R-G55 | M | 2 | 0.067 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160516R-G55 | M | 2 | 0.059 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160520R-G55 | M | 2 | 0.059 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160525R-G55 | M | 2 | 0.055 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160530R-G55 | M | 2 | 0.047 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160532R-G55 | M | 2 | 0.043 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160540R-G55 | M | 2 | 0.043 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160550R-G55 | M | 2 | 0.028 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160560R-G55 | M | 2 | 0.004 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| BCMT160508R-G55W | M | 2 | 0.079 | | | ☺ | ☺ | ☺ | | | | | | ☺ |
| BCMT160516R-G55W | M | 2 | 0.059 | | | ☺ | ☺ | ☺ | | | | | | ☺ |
| BCMT160530R-G55W | M | 2 | 0.047 | | | ☺ | ☺ | ☺ | | | | | | ☺ |
| BCMT160540R-G55W | M | 2 | 0.057 | | | ☺ | ☺ | ☺ | | | | | | ☺ |
| SCGT110502-G51 | G | 4 | | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| SCHT110502-K85 | H | 4 | | | | | | | | | ☺ | ☺ | | |
| SCMT110502-F55 | M | 4 | | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| SCMT110502-G55 | M | 4 | | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | | | | ☺ |
| SCMT110502-G55W | M | 4 | | | | ☺ | ☺ | ☺ | | | | | | ☺ |

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

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = ☺ → Good = ☺ → Moderate = ☺

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

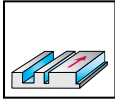
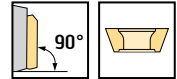
Shoulder milling cutters

D2

Slotting cutters for slot milling

F2252
BC .. 0903 .. R

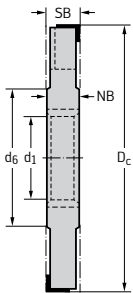

- Cross-toothed, cuts on three sides
- 2 cutting edges per indexable insert



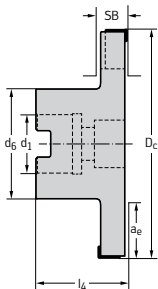
| | | | | | | | |
|-------|---|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| F2252 | ● | ● | ● | ● | ● | | ● |

Tool

| Designation | D _c mm | d ₁ mm | d ₆ mm | SB _{min} mm | SB _{max} mm | NB mm | a _e max mm | Z | Number of WSP | Type |
|----------------------------|----------------------|----------------------|----------------------|-------------------------|-------------------------|----------|--------------------------|---|------------------|------------------------------------|
| ★ F2252.B.100.Z04.12.S766 | 100 | 32 | 50 | 12 | 14 | 12 | 24 | 4 | 4 / 4 | BC .. 0903 .. R BC .. 0903 .. L |
| ★ F2252.B.100.Z04.14.S766 | 100 | 32 | 50 | 14 | 16 | 14 | 24 | 4 | 4 / 4 | |
| ★ F2252.B.125.Z05.12.S766 | 125 | 40 | 65 | 12 | 14 | 12 | 24 | 5 | 5 / 5 | |
| ★ F2252.B.125.Z05.14.S766 | 125 | 40 | 65 | 14 | 16 | 14 | 24 | 5 | 5 / 5 | |
| ★ F2252.B.160.Z06.12.S766 | 160 | 40 | 65 | 12 | 14 | 12 | 46 | 6 | 6 / 6 | |
| ★ F2252.B.160.Z06.14.S766 | 160 | 40 | 65 | 14 | 16 | 14 | 46 | 6 | 6 / 6 | |
| ★ F2252.BN.100.Z04.12.S766 | 100 | 27 | 48 | 12 | 14 | | 24 | 4 | 4 / 4 | BC .. 0903 .. R BC .. 0903 .. L |
| ★ F2252.BN.100.Z04.14.S766 | 100 | 27 | 48 | 14 | 16 | | 24 | 4 | 4 / 4 | |
| ★ F2252.BN.125.Z05.12.S766 | 125 | 32 | 60 | 12 | 14 | | 30 | 5 | 5 / 5 | |
| ★ F2252.BN.125.Z05.14.S766 | 125 | 32 | 60 | 14 | 16 | | 30 | 5 | 5 / 5 | |
| ★ F2252.BN.160.Z06.12.S766 | 160 | 40 | 75 | 12 | 14 | | 40 | 6 | 6 / 6 | |
| ★ F2252.BN.160.Z06.14.S766 | 160 | 40 | 75 | 14 | 16 | | 40 | 6 | 6 / 6 | |



Shell mill mount DIN 138 longitudinal keyway



Shell mill mount DIN 138 transverse keyway

The profile in the base of the groove will vary depending on cutting edge diameter and insert size. | Adjustable cutting width | Bodies and assembly parts are included in the scope of delivery

| Assembly parts | | |
|----------------|----------------------------------------------------------|-------------------------|
| Type | BC .. 0903 .. R | |
| | Cartridge for right tool body | FR766 |
| | Cartridge for left tool body | FL766 |
| | Clamping wedge | FK360 |
| | Clamping sleeve | FS1167 |
| | Eccentric bolt | FS1170 (SW 3) |
| | Spring washer | FS1220 |
| | Clamping screw for clamping wedge Tightening torque | FS239 (SW 3) 6.5 Nm |
| | Clamping screw for indexable insert Tightening torque | FS2576 (T8IP) 1.2 Nm |

| Accessories | | |
|-------------|-----------------------------------------|---------------------------------------------|
| Type | BC .. 0903 .. R | |
| | Clamping screw for finishing insert | FS246 (T8) 1.5 Nm |
| | Cartridge: Right, P2905-. finish insert | FR695 |
| | Cartridge: Left, P2905-. finish insert | FL695 |
| | Screwdriver | FS1423 |
| | Screwdriver | FS230 (T8) |
| | Keys | ISO2936-3 (SW 3) |
| | Torque screwdriver, analog | FS2001 |
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Torque T-handle | FS2041 |
| | Interchangeable blade | FS2007 (T8) / FS2012 (T8IP) / FS2050 (SW 3) |

| Designation | Tolerance class | Number of cutting edges | r mm | b mm | P | | M | | K | | N | | S | |
|-----------------|-----------------|-------------------------|------|------|----|--------|----|--------|----|--------|----|-------|----|--------|
| | | | | | HC | WKP35G | HC | WSP45G | HC | WKP35G | HC | WXN15 | HC | WSP45G |
| BCGT090304L-K85 | G | 2 | 0.4 | 1.2 | | | | | | | | | | |
| BCGT090304R-K85 | G | 2 | 0.4 | 1.2 | | | | | | | | | | |
| BCGT090304R-G55 | G | 2 | 0.4 | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| BCMT090304L-G55 | M | 2 | 0.4 | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| BCMT090304R-G55 | M | 2 | 0.4 | 1.2 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| BCMT090308L-G55 | M | 2 | 0.8 | 0.8 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |
| BCMT090308R-G55 | M | 2 | 0.8 | 0.8 | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ | ☺ |

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

HC = Coated carbide

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

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

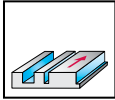
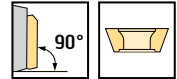
Slot milling cutters

D2

Slotting cutters for slot milling

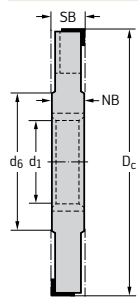
F2252
BC .. 1204 .. R


- Cross-toothed, cuts on three sides
- 2 cutting edges per indexable insert



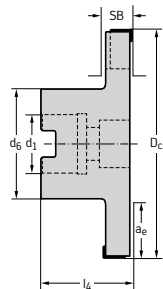
| | | | | | | | |
|-------|---|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| F2252 | ● | ● | ● | ● | ● | | ● |

Tool



Shell mill mount DIN 138 longitudinal keyway

| Designation | D _c mm | d ₁ mm | d ₆ mm | SB _{min} mm | SB _{max} mm | NB mm | a _{e max} mm | Z | Number of WSP | Type |
|----------------------------|----------------------|----------------------|----------------------|-------------------------|-------------------------|----------|--------------------------|---|------------------|------------------------------------|
| ★ F2252.B.125.Z04.16.S767 | 125 | 40 | 65 | 16 | 19 | 16 | 28 | 4 | 4 / 4 | BC .. 1204 .. R BC .. 1204 .. L |
| ★ F2252.B.125.Z04.19.S767 | 125 | 40 | 65 | 19 | 22 | 19 | 28 | 4 | 4 / 4 | |
| ★ F2252.B.160.Z05.16.S767 | 160 | 40 | 65 | 16 | 19 | 16 | 46 | 5 | 5 / 5 | |
| ★ F2252.B.160.Z05.19.S767 | 160 | 40 | 65 | 19 | 22 | 19 | 46 | 5 | 5 / 5 | |
| ★ F2252.B.200.Z06.16.S767 | 200 | 50 | 75 | 16 | 19 | 16 | 61 | 6 | 6 / 6 | |
| ★ F2252.B.200.Z06.19.S767 | 200 | 50 | 75 | 19 | 22 | 19 | 61 | 6 | 6 / 6 | |
| ★ F2252.BN.125.Z04.16.S767 | 125 | 32 | 60 | 16 | 19 | | 30 | 4 | 4 / 4 | BC .. 1204 .. R BC .. 1204 .. L |
| ★ F2252.BN.125.Z04.19.S767 | 125 | 32 | 60 | 19 | 22 | | 30 | 4 | 4 / 4 | |
| ★ F2252.BN.160.Z05.16.S767 | 160 | 40 | 75 | 16 | 19 | | 40 | 5 | 5 / 5 | |
| ★ F2252.BN.160.Z05.19.S767 | 160 | 40 | 75 | 19 | 22 | | 40 | 5 | 5 / 5 | |
| ★ F2252.BN.200.Z06.16.S767 | 200 | 40 | 90 | 16 | 19 | | 50 | 6 | 6 / 6 | |
| ★ F2252.BN.200.Z06.19.S767 | 200 | 40 | 90 | 19 | 22 | | 50 | 6 | 6 / 6 | |



Shell mill mount DIN 138 transverse keyway

The profile in the base of the groove will vary depending on cutting edge diameter and insert size. | Adjustable cutting width | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| Type | BC .. 1204 .. R |
|----------------------------------------------------------|-----------------------|
| Cartridge for right tool body | FR767 |
| Cartridge for left tool body | FL767 |
| Clamping wedge | FK359 |
| Clamping sleeve | FS1168 |
| Eccentric bolt | FS1171 (SW 4) |
| Spring washer | FS1221 |
| Clamping screw for clamping wedge Tightening torque | FS1162 (SW 4) 9 Nm |
| Clamping screw for indexable insert Tightening torque | FS2573 (T9IP) 2 Nm |

| Accessories | | |
|-------------|-----------------------------------------|----------------------------------------------|
| Type | BC .. 1204 .. R | |
| | Clamping screw for finishing insert | FS260 (T20) 5 Nm |
| | Cartridge: Right, P2905-. finish insert | FR696 |
| | Cartridge: Left, P2905-. finish insert | FL696 |
| | Screwdriver | FS1484 (T9IP) |
| | Screwdriver | FS228 (T20) |
| | Keys | ISO2936-4 (SW 4) |
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Torque T-handle | FS2041 |
| | Interchangeable blade | FS2051 (SW 4) / FS2013 (T9IP) / FS2044 (T20) |

Assembly parts

| Description | Tolerance class | Number of cutting edges | r mm | b mm | P | | M | | K | | N | | S | |
|-----------------|-----------------|-------------------------|------|------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| | | | | | HC | | HC | | HC | | HC | | HC | |
| | | | | | WKP35G | WSP45G | WSP45G | WKP35G | WXN15 | WSP45G | WKP35G | WSP45G | WKP35G | WSP45G |
| BCHT120404L-K85 | H | 2 | 0.4 | 1.7 | | | | | | | | | | |
| BCHT120404R-K85 | H | 2 | 0.4 | 1.7 | | | | | | | | | | |
| BCHT120408L-K85 | H | 2 | 0.8 | 1.3 | | | | | | | | | | |
| BCHT120408R-K85 | H | 2 | 0.8 | 1.3 | | | | | | | | | | |
| BCHT120412L-K85 | H | 2 | 1.2 | 1.2 | | | | | | | | | | |
| BCHT120412R-K85 | H | 2 | 1.2 | 1.2 | | | | | | | | | | |
| BCHT120416L-K85 | H | 2 | 1.6 | 1.1 | | | | | | | | | | |
| BCHT120416R-K85 | H | 2 | 1.6 | 1.1 | | | | | | | | | | |
| BCHT120420L-K85 | H | 2 | 2 | 1.2 | | | | | | | | | | |
| BCHT120420R-K85 | H | 2 | 2 | 1.2 | | | | | | | | | | |
| BCHT120430L-K85 | H | 2 | 3 | 0.7 | | | | | | | | | | |
| BCHT120430R-K85 | H | 2 | 3 | 0.7 | | | | | | | | | | |
| BCHT120440L-K85 | H | 2 | 4 | 0.4 | | | | | | | | | | |
| BCHT120440R-K85 | H | 2 | 4 | 0.4 | | | | | | | | | | |
| BCMT120404L-G55 | M | 2 | 0.4 | 1.3 | | | | | | | | | | |
| BCMT120404R-G55 | M | 2 | 0.4 | 1.3 | | | | | | | | | | |
| BCMT120408L-G55 | M | 2 | 0.8 | 1.3 | | | | | | | | | | |
| BCMT120408R-G55 | M | 2 | 0.8 | 1.3 | | | | | | | | | | |
| BCMT120412L-G55 | M | 2 | 1.2 | 1.2 | | | | | | | | | | |
| BCMT120412R-G55 | M | 2 | 1.2 | 1.2 | | | | | | | | | | |
| BCMT120416L-G55 | M | 2 | 1.6 | 1.1 | | | | | | | | | | |
| BCMT120416R-G55 | M | 2 | 1.6 | 1.1 | | | | | | | | | | |
| BCMT120420L-G55 | M | 2 | 2 | 1.2 | | | | | | | | | | |
| BCMT120420R-G55 | M | 2 | 2 | 1.2 | | | | | | | | | | |
| BCMT120430L-G55 | M | 2 | 3 | 0.7 | | | | | | | | | | |
| BCMT120430R-G55 | M | 2 | 3 | 0.7 | | | | | | | | | | |
| BCMT120440L-G55 | M | 2 | 4 | 0.4 | | | | | | | | | | |
| BCMT120440R-G55 | M | 2 | 4 | 0.4 | | | | | | | | | | |

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

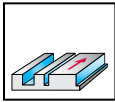
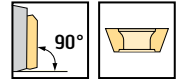
HC = Coated carbide

D2

Slotting cutters for slot milling

F2252
BC .. 1605 .. R

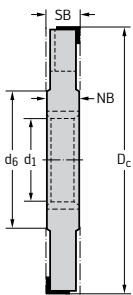

- Cross-toothed, cuts on three sides
- 2 cutting edges per indexable insert



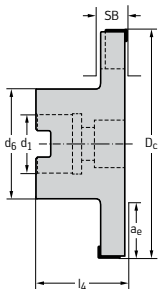
| | | | | | | | |
|-------|---|---|---|---|---|---|---|
| | P | M | K | N | S | H | O |
| F2252 | ● | ● | ● | ● | ● | | ● |

Tool

| Designation | D _c mm | d ₁ mm | d ₆ mm | SB _{min} mm | SB _{max} mm | NB mm | a _{e max} mm | Z | Number of WSP | Type |
|----------------------------|----------------------|----------------------|----------------------|-------------------------|-------------------------|----------|--------------------------|---|------------------|------------------------------------|
| ★ F2252.B.125.Z04.22.S768 | 125 | 40 | 65 | 22 | 25 | 22 | 28 | 4 | 4 / 4 | BC .. 1605 .. R BC .. 1605 .. L |
| ★ F2252.B.160.Z05.22.S768 | 160 | 40 | 65 | 22 | 25 | 22 | 46 | 5 | 5 / 5 | |
| ★ F2252.B.200.Z06.22.S768 | 200 | 50 | 75 | 22 | 25 | 22 | 61 | 6 | 6 / 6 | |
| ★ F2252.BN.125.Z04.22.S768 | 125 | 32 | 60 | 22 | 25 | | 30 | 4 | 4 / 4 | BC .. 1605 .. R BC .. 1605 .. L |
| ★ F2252.BN.160.Z05.22.S768 | 160 | 40 | 75 | 22 | 25 | | 40 | 5 | 5 / 5 | |
| ★ F2252.BN.200.Z06.22.S768 | 200 | 40 | 90 | 22 | 25 | | 50 | 6 | 6 / 6 | |



Shell mill mount DIN 138 longitudinal keyway



Shell mill mount DIN 138 transverse keyway

The profile in the base of the groove will vary depending on cutting edge diameter and insert size. | Adjustable cutting width | Bodies and assembly parts are included in the scope of delivery

Assembly parts

| Type | BC .. 1605 .. R |
|----------------------------------------------------------|--------------------------|
| Cartridge for right tool body | FR768 |
| Cartridge for left tool body | FL768 |
| Clamping wedge | FK359 |
| Clamping sleeve | FS1168 |
| Eccentric bolt | FS1171 (SW 4) |
| Spring washer | FS1221 |
| Clamping screw for clamping wedge Tightening torque | FS1162 (SW 4) 9 Nm |
| Clamping screw for indexable insert Tightening torque | FS2300 (T15IP) 3.5 Nm |

| Accessories | | |
|-------------|-----------------------------------------|-----------------------------------------------|
| Type | BC .. 1605 .. R | |
| | Clamping screw for finishing insert | FS260 (T20) 5 Nm |
| | Cartridge: Right, P2905-. finish insert | FR696 |
| | Cartridge: Left, P2905-. finish insert | FL696 |
| | Screwdriver | FS1485 (T15IP) |
| | Screwdriver | FS228 (T20) |
| | Keys | ISO2936-4 (SW 4) |
| | Torque screwdriver, analog | FS2003 |
| | Torque screwdriver, digital | FS2248 |
| | Torque T-handle | FS2041 |
| | Interchangeable blade | FS2051 (SW 4) / FS2014 (T15IP) / FS2044 (T20) |

Assembly parts

| Description | Tolerance class | Number of cutting edges | r mm | b mm | P | | M | | K | | N | | S | |
|-----------------|-----------------|-------------------------|------|------|--------|--------|--------|--------|--------|-------|--------|--------|----|---|
| | | | | | HC | | HC | | HC | | HC | | HC | |
| | | | | | WKP35G | WSP45G | WSP45G | WSP45G | WKP35G | WXN15 | WSP45G | WSP45G | | |
| BCMT160508L-K85 | H | 2 | 0.8 | 2 | | | | | | | | | | |
| BCMT160508R-K85 | H | 2 | 0.8 | 2 | | | | | | | | | | |
| BCMT160508L-G55 | M | 2 | 0.8 | 2 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160508R-G55 | M | 2 | 0.8 | 2 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160512L-K85 | M | 2 | 1.2 | 1.7 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160512R-G55 | M | 2 | 1.2 | 1.7 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160516L-G55 | M | 2 | 1.6 | 1.5 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160516R-G55 | M | 2 | 1.6 | 1.5 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160520L-G55 | M | 2 | 2 | 1.5 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160520R-G55 | M | 2 | 2 | 1.5 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160530L-G55 | M | 2 | 3 | 1.2 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160530R-G55 | M | 2 | 3 | 1.2 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160540L-G55 | M | 2 | 4 | 1.1 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160540R-G55 | M | 2 | 4 | 1.1 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160550L-G55 | M | 2 | 5 | 0.7 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160550R-G55 | M | 2 | 5 | 0.7 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160560L-G55 | M | 2 | 6 | 0.1 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |
| BCMT160560R-G55 | M | 2 | 6 | 0.1 | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ | ☒ |

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

HC = Coated carbide

D2

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

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

Slot milling cutters



E - Boring bars/adaptors

E1 - Stationary boring bars/adaptors

| Stationary boring bars/adaptors | Program |
|----------------------------------------------------------|---------|
| Walter Capto™ clamping units | 426 |
| Walter Capto™ boring bars/adaptors | 427 |
| VDI boring bars/adaptors, one-piece | 429 |
| Machine-specific adaptors, one-piece | 430 |
| Accure-tec vibration-damped boring bar adaptor – QuadFit | 431 |
| Boring bars – QuadFit exchangeable head | 432 |

E2 - Rotating boring bars/adaptors

| Rotating boring bars/adaptors | Program | Order pages |
|-----------------------------------------------------|---------|-------------|
| Walter Capto™ boring bars/adaptors | 433 | 450 |
| Walter NCT boring bars/adaptors | 435 | |
| ScrewFit adaption for front pieces | 438 | |
| ConeFit adaptors for milling cutter heads | 440 | 451 |
| Boring bars/adaptors, one-piece – HSK, SK | 441 | 452 |
| Accure-tec vibration-damped milling cutter adaptors | 445 | |
| Boring bars/adaptors, modular for milling heads | 447 | |
| MTS adaptors | 448 | |

E3 - Assembly parts and accessories – General adaptors

| Assembly parts and accessories – General adaptors | Program | Order pages |
|----------------------------------------------------------|---------|-------------|
| Assembly parts and accessories – General adaptors | 456 | 458 |

Walter Capto™ adaptors



VDI DIN 69880 clamping units



Clamping units



Clamping units



Clamping units

| Designation | TYP 2030 / 2040 / 2050 / 2060 | Typ 2080 / 2085 | Typ 2000 | TYP 2090 |
|--------------|-------------------------------|-----------------|--------------------------------------|---------------|
| Machine-side | VDI DIN 69880 | Square shank | Parallel shank with clamping surface | Bushing clamp |
| Tool-side | C3 - C6 | C3 - C5 | C3 - C5 | C3 - C8 |

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www.walter-tools.com/woc/TYP2030

www.walter-tools.com/woc/TYP2080

www.walter-tools.com/woc/TYP3000

www.walter-tools.com/woc/TYP2090

Walter Capto™ adaptors



HSK DIN 69893-1 A master



DIN 69871 AD/B master



MAS-BT JIS B 6339 AD/B master



DIN 69871 AD/B master

| | | | | |
|--------------|-------------------|-------------------|-------------------------|--------------------------|
| Designation | AB584-HSK-MASTER | C.-390B.140 | C.-390B.55 + C.-390B.58 | C.-390B.540 + C.-390.540 |
| Machine-side | HSK DIN 69893-1 A | SK DIN 69871 AD/B | JIS B 6339 AD/B | SK DIN 69871 AD/B |
| Tool-side | C3 - C8 | C3 - C8 | C3 - C8 | C3 - C8 |

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|--------------------------------------------------------------------------|------------------|------------|-----------|------------|
| QR code | | | | |
| www.walter-tools.com/woc/ | AB584-HSK-MASTER | C-390B-140 | C-390B-55 | C-390B-540 |



MAS-BT JIS B 6339 AD/B master



ASME B5.50 master



Extension



Reduction adaptor

| | | | | |
|--------------|---------------------------|-------------|--------------------------------------|--------------------------------------|
| Designation | C.-390B.555 + C.-390B.558 | C.-A390B.45 | C.-391.01 | C.-391.02 |
| Machine-side | JIS B 6339 AD/B | ASME B 5.50 | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 |
| Tool-side | C3 - C8 | C3 - C8 | C3 - C8 | C3 - C6 |

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| | | | | |
|--------------------------------------------------------------------------|------------|------------|----------|----------|
| QR code | | | | |
| www.walter-tools.com/woc/ | C-390B-555 | C-A390B-45 | C-391-01 | C-391-02 |

E1

Walter Capto™ adaptors



Axial adaptor



Walter Capto™ – Axial adaptor



Radial adaptor



Walter Capto™ – Radial adaptor

| | | | | |
|--------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Designation | C.-ASH | A2120-C...-P | C.-ASHA | A2121-C...-P |
| Machine-side | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 |
| Tool-side | 20 x 20 - 3/4 x 3/4 | 20 x 20 - 25 x 25 | 32 x 25 - 32 x 32 | 20 x 20 - 25 x 25 |

Page in catalog

| | | | | |
|---------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| QR code | | | | |
| | www.walter-tools.com/woc/C.-ASH | www.walter-tools.com/woc/A2120-C-P | www.walter-tools.com/woc/C.-ASHA | www.walter-tools.com/woc/A2121-C-P |



Walter Capto™ Adaptor – vibration damped



Walter Capto™ Adaptor – vibration damped

| | | |
|--------------|--------------------------------------|--------------------------------------|
| Designation | A3000-C | A3001-C |
| Machine-side | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 |
| Tool-side | Q25 - Q50 | QL60 - QL80 |

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| | | |
|---------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| QR code | | |
| | www.walter-tools.com/woc/A3000-C | www.walter-tools.com/woc/A3001-C |

VDI adaptors, one-piece



Master VDI DIN 69880



VDI adaptor – DIN 69880 shank tools



VDI adaptor – DIN 69880 shank tools



VDI adaptor – DIN 69880 parting blades

| | | | | |
|--------------|---------------|-------------------|-------------------|---------------|
| Designation | AK135M | A2120-V...-P | A2121-V...-P | A2110-V...-P |
| Machine-side | VDI DIN 69880 | VDI DIN 69880 | VDI DIN 69880 | VDI DIN 69880 |
| Tool-side | 80 | 20 x 20 - 25 x 25 | 20 x 20 - 25 x 25 | 26R - 32R |

Page in catalog



www.walter-tools.com/woc/

AK135M

A2120-V-P

A2121-V-P

A2110-V-P



VDI adaptor – DIN 69880 parting blades

| | |
|--------------|---------------|
| Designation | A2111-V...-P |
| Machine-side | VDI DIN 69880 |
| Tool-side | 26R - 32R |

Page in catalog



www.walter-tools.com/woc/

A2111-V-P

Machine-specific adaptors, one-piece



BMT adaptor – Parting blades

| | | |
|--------------|---------------|--|
| Designation | A2110-BT...-P | |
| Machine-side | BMT | |
| Tool-side | 26R - 32R | |

Page in catalog

QR code



www.walter-tools.com/woc/

A2110-BT-P

Accure-tec® vibration-damped boring bar adaptor– QuadFit™



Cylinder shaft adaptor – vibration damped



Cylinder shaft adaptor – vibration damped



Walter Capto™ Adaptor – vibration damped



Walter Capto™ Adaptor – vibration damped

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

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www.walter-tools.com/woc/

A3000

A3001

A3000-C

A3001-C



HSK-T adaptor – vibration damped



HSK-T adaptor – vibration damped

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

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www.walter-tools.com/woc/

A3000-HSK-T

A3001-HSK-T

Boring bars - QuadFit



Cylindrical shank - QuadFit

| | | |
|--------------|--------------------------------------|--|
| Designation | A2100 | |
| Machine-side | Parallel shank with clamping surface | |
| Tool-side | Q40 - QL60 | |

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www.walter-tools.com/woc/

A2100

Walter Capto™ adaptors



HSK DIN 69893-1 A master



DIN 69871 AD/B master



MAS-BT JIS B 6339 AD/B master



DIN 69871 AD/B master

| | | | | |
|--------------|-------------------|-------------------|-------------------------|--------------------------|
| Designation | AB584-HSK-MASTER | C.-390B.140 | C.-390B.55 + C.-390B.58 | C.-390B.540 + C.-390.540 |
| Machine-side | HSK DIN 69893-1 A | SK DIN 69871 AD/B | JIS B 6339 AD/B | SK DIN 69871 AD/B |
| Tool-side | C3 - C8 | C3 - C8 | C3 - C8 | C3 - C8 |

Page in catalog

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|--------------------------------------------------------------------------|------------------|------------|-----------|------------|
| QR code | | | | |
| www.walter-tools.com/woc/ | AB584-HSK-MASTER | C-390B-140 | C-390B-55 | C-390B-540 |



MAS-BT JIS B 6339 AD/B master



ASME B5.50 master



Extension



Reduction adaptor

| | | | | |
|--------------|---------------------------|-------------|--------------------------------------|--------------------------------------|
| Designation | C.-390B.555 + C.-390B.558 | C.-A390B.45 | C.-391.01 | C.-391.02 |
| Machine-side | JIS B 6339 AD/B | ASME B 5.50 | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 |
| Tool-side | C3 - C8 | C3 - C8 | C3 - C8 | C3 - C6 |

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|--------------------------------------------------------------------------|------------|------------|----------|----------|
| QR code | | | | |
| www.walter-tools.com/woc/ | C-390B-555 | C-A390B-45 | C-391-01 | C-391-02 |

Walter Capto™ adaptors



ER collet chucks



Adaptor for drilling and reaming tools



Shell mill adaptor



Walter Capto™ hydraulic expansion chuck ISO 26623-1

| | | | | |
|--------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Designation | C.-391.14 | C.-391.27 | AK155.8.C | AK182.C |
| Machine-side | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 |
| Tool-side | ER20 - ER40 | 16 - 40 | 3/4" - 1-1/2" | 12 - 20 |

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www.walter-tools.com/woc/C-391-14

www.walter-tools.com/woc/C-391-27

www.walter-tools.com/woc/AK155-8-C

www.walter-tools.com/woc/AK182-C
www.walter-tools.com/woc/


Synchronous thread cutting adaptor



Walter Capto™ adaptor – vibration damped



Walter Capto™ hydraulic expansion chuck ISO 26623-1



Weldon shank adaptor

| | | | | |
|--------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Designation | AB035-C | AC001-C | AB016-C | C.-391.20 |
| Machine-side | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 | Walter Capto™ in acc. with ISO 26623 |
| Tool-side | ER11 - ER40 | 16 - 40 | 12 - 20 | 3/8" - 1-1/2" |

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www.walter-tools.com/woc/AB035-C

www.walter-tools.com/woc/AC001-C

www.walter-tools.com/woc/AB016

www.walter-tools.com/woc/C-391-20
www.walter-tools.com/woc/

Walter NCT adaptors



DIN 2080 master



DIN 69871-1 AD master



ANSI ASME B5.50 master



ANSI ASME B5.50 Master

| | | | | |
|--------------|------------------------|--------------|-------------|-------------|
| Designation | A100M.1 | A100M.2 | A100M.3 | A100M.U3 |
| Machine-side | SK DIN 2080 / ISO 2583 | SK DIN 69871 | ASME B 5.50 | ASME B 5.50 |
| Tool-side | 50 - 80 | 25 - 80 | 63 - 80 | 25 - 80 |

Page in catalog

| | | | | |
|--------------------------------------------------------------------------|---------|---------|---------|----------|
| QR code | | | | |
| www.walter-tools.com/woc/ | A100M-1 | A100M-2 | A100M-3 | A100M-U3 |



MAS-BT JIS B 6339 master



DIN 69871-1 AD/B master



DIN 69893-1 A master



Walter Capto™ master

| | | | | |
|--------------|------------|-------------------|-------------------|--------------------------------------|
| Designation | A100M.4 | AK200M.2 | A100M...HSK | A100M.8 |
| Machine-side | JIS B 6339 | SK DIN 69871 AD/B | HSK DIN 69893-1 A | Walter Capto™ in acc. with ISO 26623 |
| Tool-side | 25 - 80 | 40 - 80 | 25 - 80 | 25 - 80 |

Page in catalog

| | | | | |
|--------------------------------------------------------------------------|---------|----------|-----------|---------|
| QR code | | | | |
| www.walter-tools.com/woc/ | A100M-4 | AK200M-2 | A100M-HSK | A100M-8 |

Walter NCT adaptors



Extension adaptor



Reduction adaptor



DIN 1835 B milling cutter extension



Combination adaptor

| | | | | |
|--------------|---------------------|---------------------|------------|---------------------|
| Designation | A101M | A102M | A175 | A150M |
| Machine-side | Modular NCT adaptor | Modular NCT adaptor | DIN 1835 B | Modular NCT adaptor |
| Tool-side | 25 - 80 | 25 - 63 | 4 - 16 | 16 - 60 |

Page in catalog

QR code



A101M



A102M



A175



A150M

www.walter-tools.com/woc/


Shell mill adaptor



Shell mill adaptor



Shell mill adaptor



Weldon shank adaptor

| | | | | |
|--------------|---------------------|---------------------|---------------------|---------------------|
| Designation | A155M | AK155M | AK155M.U0 | A170M |
| Machine-side | Modular NCT adaptor | Modular NCT adaptor | Modular NCT adaptor | Modular NCT adaptor |
| Tool-side | 22 - 60 | 16 - 40 | 3/4 - 1 1/2 | 10 - 40 |

Page in catalog

QR code



A155M



AK155M



AK155M-U0



A170M

www.walter-tools.com/woc/

Walter NCT adaptors



Adaptor for eccentric sleeve



Small drill chuck



ER collet chucks



DIN 1835 B ER collet chuck

| | | | | |
|--------------|---------------------|---------------------|---------------------|-------------|
| Designation | A170M...Ex | A201M | AK300M | A305 |
| Machine-side | Modular NCT adaptor | Modular NCT adaptor | Modular NCT adaptor | DIN 1835 B |
| Tool-side | 32 - 50 | 1 - 13 | ER16 - ER40 | ER11 - ER16 |

Page in catalog



www.walter-tools.com/woc/

A170M-EX

A201M

AK300M

A305



Tap quick-change chuck



Synchronous thread cutting adaptor

| | | |
|--------------|---------------------|---------------------|
| Designation | A320M | AB035-N |
| Machine-side | Modular NCT adaptor | Modular NCT adaptor |
| Tool-side | 1 - 5 | ER20 - ER25 |

Page in catalog



www.walter-tools.com/woc/

A320M

AB035-N

ScrewFit adaptors for front pieces



Reduction adaptor



Reduction adaptor



DIN 1835 A adaptor



DIN 1835 A adaptor

| | | | | |
|--------------|-----------|---------------------|-------------------|-------------------|
| Designation | AK521 | AK522 | AK510 | A510 |
| Machine-side | ScrewFit | Cylindrical modular | Cylindrical shank | Cylindrical shank |
| Tool-side | T09 - T36 | T14 - T28 | T09 - T45 | T09 - T28 |

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www.walter-tools.com/woc/AK521

www.walter-tools.com/woc/AK522

www.walter-tools.com/woc/AK510

www.walter-tools.com/woc/A510


DIN 1835 A adaptor



NCT adaptor



DIN 69893-1 A adaptor



DIN 69893-1 A adaptor

| | | | | |
|--------------|-------------------|---------------------|-------------------|-------------------|
| Designation | AK512 | AK520 | AK530 | AK531 |
| Machine-side | Cylindrical shank | Modular NCT adaptor | HSK DIN 69893-1 A | HSK DIN 69893-1 A |
| Tool-side | T14 - T28 | T18 - T45 | T14 - T45 | T18 - T45 |

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www.walter-tools.com/woc/AK512

www.walter-tools.com/woc/AK520

www.walter-tools.com/woc/AK530

www.walter-tools.com/woc/AK531

ScrewFit adaptors for front pieces



DIN 69871 AD/B adaptor



DIN 69871 AD/B adaptor



Walter Capto™ adaptor



ER collet chucks

| | | | | |
|--------------|------------------------------------------------|------------------------------------------------|-----------------------------------------|-------------|
| Designation | AK540 | AK541 | AK580.C | AK300.T |
| Machine-side | SK DIN 69871 AD/B ASME B 5.50 JIS B 6339 | SK DIN 69871 AD/B ASME B 5.50 JIS B 6339 | Walter Capto™ in acc. with ISO 26623 | ScrewFit |
| Tool-side | T09 - T45 | T18 - T45 | T14 - T45 | ER11 - ER25 |

Page in catalog



www.walter-tools.com/woc/

AK540

AK541

AK580-C

AK300-T



Walter Capto™ adaptor –
vibration damped



HSK adaptor – vibration-
damped



SK adaptor – vibration-
damped



MAS-BT adaptor – vibration-
damped

| | | | | |
|--------------|-----------------------------------------|-------------------|-------------------|-----------------|
| Designation | AC060-C | AC060-H | AC060-S | AC060-J |
| Machine-side | Walter Capto™ in acc. with ISO 26623 | HSK DIN 69893-1 A | SK DIN 69871 AD/B | JIS B 6339 AD/B |
| Tool-side | T18 - T28 | T18 - T28 | T18 - T28 | T18 - T28 |

Page in catalog



www.walter-tools.com/woc/

AC060-C

AC060-H

AC060-S

AC060-J

ConeFit adaptors for milling cutter heads

NEW


DIN 6535 HA adaptor



DIN 69893-1 A adaptor



Walter Capto™ adaptor



DIN 69893-1 A Adaptor

| | | | | |
|--------------------------------------------------------------------------|-------------------|-------------------|--------------------------------------|-------------------|
| Designation | AK610 | AK631 | AK681 | AB371-H |
| Machine-side | Cylindrical shank | HSK DIN 69893-1 A | Walter Capto™ in acc. with ISO 26623 | HSK DIN 69893-1 A |
| Tool-side | E10 - E25 | E10 - E25 | E10 - E25 | E10 - E25 |
| Page in catalog | | | | 451 |
| QR code | | | | |
| www.walter-tools.com/woc/ | AK610 | AK631 | AK681 | AB371 |

Accure-tec® vibration-damped mill-cutt adaptors



Walter Capto™ adaptor – vibration damped



HSK adaptor – Vibration-damped



SK adaptor – Vibration-damped



MAS-BT adaptor – Vibration-damped

| | | | | |
|--------------|--------------------------------------|-------------------|-------------------|-----------------|
| Designation | AC001-C | AC001-H | AC001-S | AC001-J |
| Machine-side | Walter Capto™ in acc. with ISO 26623 | HSK DIN 69893-1 A | SK DIN 69871 AD/B | JIS B 6339 AD/B |
| Tool-side | 16 - 40 | 16 - 40 | 16 - 40 | 16 - 40 |

Page in catalog



www.walter-tools.com/woc/

AC001-C

AC001-H

AC001-S

AC001-J



CAT-V adaptor – Vibration-damped



Walter Capto™ adaptor – vibration damped



HSK adaptor – vibration-damped



SK adaptor – vibration-damped

| | | | | |
|--------------|---------------|--------------------------------------|-------------------|-------------------|
| Designation | AC001.K | AC060-C | AC060-H | AC060-S |
| Machine-side | ASME B 5.50 | Walter Capto™ in acc. with ISO 26623 | HSK DIN 69893-1 A | SK DIN 69871 AD/B |
| Tool-side | 3/4" - 1-1/2" | T18 - T28 | T18 - T28 | T18 - T28 |

Page in catalog



www.walter-tools.com/woc/

AC001-K

AC060-C

AC060-H

AC060-S

Accure-tec® vibration-damped mill-cutt adaptors



MAS-BT adaptor – vibration-damped

| | | |
|--------------|-----------------|--|
| Designation | AC060-J | |
| Machine-side | JIS B 6339 AD/B | |
| Tool-side | T18 - T28 | |

Page in catalog

QR code



www.walter-tools.com/woc/

AC060-J

Adaptors, one-piece – HSK, SK, MAS-BT, CAT-V



HSK adaptor – Vibration-damped



DIN 69893-1 A shrink-fit adaptor



DIN 69893-1 A hydraulic expansion chuck



DIN 69893-1 A slim hydraulic expansion chuck

| | | | | |
|--------------|-------------------|-------------------|-------------------|-------------------|
| Designation | AC001-H | A560.H | AK182.H | AB019-H |
| Machine-side | HSK DIN 69893-1 A | HSK DIN 69893-1 A | HSK DIN 69893-1 A | HSK DIN 69893-1 A |
| Tool-side | 16 - 40 | 5 - 25 | 12 - 32 | 6 - 20 |

Page in catalog



www.walter-tools.com/woc/ AC001-H A560-H AK182-H AB019-H



Synchronous thread cutting adaptor



Synchronous thread cutting adaptor



SK adaptor – Vibration-damped



MAS-BT adaptor – Vibration-damped

| | | | | |
|--------------|-------------------|--------------------------------------|-------------------|-----------------|
| Designation | AB035-H | AB035-W | AC001-S | AC001-J |
| Machine-side | HSK DIN 69893-1 A | DIN 6535 HE, turned 180° DIN 6535 HB | SK DIN 69871 AD/B | JIS B 6339 AD/B |
| Tool-side | ER20 - ER40 | ER11 - ER25 | 16 - 40 | 16 - 40 |

Page in catalog



www.walter-tools.com/woc/ AB035-H AB035-W AC001-S AC001-J

Adaptors, one-piece – HSK, SK, MAS-BT, CAT-V



ASME B5.50 shell end milling cutter arbor



CAT-V adaptor – Vibration-damped



ASME B5.50 Weldon shank adaptor



DIN 69871 hydraulic expansion chuck

| | | | | |
|--------------|---------------|---------------|-------------|-------------------|
| Designation | AB001.K | AC001.K | AB044.K | AK182.S |
| Machine-side | ASME B 5.50 | ASME B 5.50 | ASME B 5.50 | SK DIN 69871 AD/B |
| Tool-side | 3/4" - 2-1/2" | 3/4" - 1-1/2" | 1/4" - 2.0" | 12 - 32 |

Page in catalog

QR code



AB001-K



AC001-K



AB044-K



AK182-S

www.walter-tools.com/woc/



MAS-BT JIS B 6339 hydraulic expansion chuck



ASME B5.50 hydraulic expansion chuck



ASME B5.50 ER collet chuck



Synchronous thread cutting adaptor

| | | | | |
|--------------|------------|-------------|-------------|--------------|
| Designation | AK182.BT | AK182.CAT | AB009.K | AB035-S |
| Machine-side | JIS B 6339 | ASME B 5.50 | ASME B 5.50 | SK DIN 69871 |
| Tool-side | 12 - 32 | 20 - 32 | ER16 - ER40 | ER20 - ER40 |

Page in catalog

QR code



AK182-BT



AK182-CAT



AB009-K



AB035-S

www.walter-tools.com/woc/

Adaptors, one-piece – HSK, SK, MAS-BT, CAT-V



Synchronous thread cutting adaptor



DIN 69893-1 A shell mill arbor



MAS-BT JIS B 6339 shell mill arbor



DIN 69871 AD/B shell mill arbor

| | | | | |
|--------------|-------------|-------------------|-----------------|-------------------|
| Designation | AB035-J | AB001-H | AB001-J | AB001-S |
| Machine-side | JIS B 6339 | HSK DIN 69893-1 A | JIS B 6339 AD/B | SK DIN 69871 AD/B |
| Tool-side | ER11 - ER40 | 16 - 60 | 16 - 40S | 16 - 60 |

Page in catalog



www.walter-tools.com/woc/

AB035-J

AB001-H

AB001-J

AB001-S



DIN 69893-1 A ER collet chuck with internal cooling



MAS-BT JIS B 6339 ER collet chuck with internal cooling



DIN 69871 AD/B ER collet chuck with internal cooling



DIN 69893-1 A hydraulic expansion chuck

NEW

| | | | | |
|--------------|-------------------|-----------------|-------------------|-------------------|
| Designation | AB009-H | AB009-J | AB009-S | AB016-H |
| Machine-side | HSK DIN 69893-1 A | JIS B 6339 AD/B | SK DIN 69871 AD/B | HSK DIN 69893-1 A |
| Tool-side | ER11 - ER40 | ER16 - ER40 | ER16 - ER40 | 12 - 32 |

Page in catalog

452



www.walter-tools.com/woc/

AB009-H

AB009-J

AB009-S

AB016

Adaptors, one-piece – HSK, SK, MAS-BT, CAT-V

NEW


MAS-BT JIS B 6339 hydraulic expansion chuck

NEW


DIN 69871 AD/B hydraulic expansion chuck

NEW


ASME B5.50 hydraulic expansion chuck



DIN 69893-1 A Weldon shank adaptor

| | | | | |
|--------------------------------------------------------------------------|------------|-------------------|-------------|-------------------|
| Designation | AB016-J | AB016-S | AB016.K | AB044-H |
| Machine-side | JIS B 6339 | SK DIN 69871 AD/B | ASME B 5.50 | HSK DIN 69893-1 A |
| Tool-side | 12 - 32 | 12 - 32 | 20 - 32 | 6 - 40 |
| Page in catalog | 454 | 453 | 455 | |
| QR code | | | | |
| www.walter-tools.com/woc/ | AB016 | AB016 | AB016 | AB044-H |



MAS-BT JIS B 6339 Weldon adaptor



DIN 69871 AD/B Weldon adaptor

| | | |
|--------------------------------------------------------------------------|-----------------|-------------------|
| Designation | AB044-J | AB044-S |
| Machine-side | JIS B 6339 AD/B | SK DIN 69871 AD/B |
| Tool-side | 6 - 40 | 6 - 40 |
| Page in catalog | | |
| QR code | | |
| www.walter-tools.com/woc/ | AB044-J | AB044-S |

Modular holders for milling heads



Modular holders for milling heads



Modular holders for milling heads

| | | |
|--------------|------------|------------|
| Designation | AA191 | AB191 |
| Machine-side | DIN 1835 A | DIN 1835 A |
| Tool-side | 05 - 08 | 05 - 14 |

Page in catalog

QR code



www.walter-tools.com/woc/

AA191

AB191

Rotating adaptors



DIN 69893-1 A shrink-fit adaptor



MAS-BT JIS B 6339 shrink-fit adaptor



DIN 69871 AD/B shrink-fit adaptor

| | | | |
|--------------|-------------------|-----------------|-------------------|
| Designation | AB025-H | AB025-J | AB025-S |
| Machine-side | HSK DIN 69893-1 A | JIS B 6339 AD/B | SK DIN 69871 AD/B |
| Tool-side | 3 - 50 | 3 - 32 | 3 - 32 |

Page in catalog

QR code



www.walter-tools.com/woc/

AB025-H

AB025-J

AB025-S

Rotating adaptors



DIN 69893-1 A hydraulic expansion chuck



MAS-BT JIS B 6339 hydraulic expansion chuck



DIN 69871 AD/B hydraulic expansion chuck



ASME B5.50 hydraulic expansion chuck

| | | | | |
|--------------|-------------------|-----------------|-------------------|-------------|
| Designation | AB017-H | AB017-J | AB017-S | AB017.K |
| Machine-side | HSK DIN 69893-1 A | JIS B 6339 AD/B | SK DIN 69871 AD/B | ASME B 5.50 |
| Tool-side | 6 - 32 | 6 - 32 | 6 - 32 | 6 - 32 |

Page in catalog



www.walter-tools.com/woc/ AB017-H AB017-J AB017-S AB017-K



ASME B5.50 hydraulic expansion chuck

| | |
|--------------|---------------|
| Designation | AB017.K-Inch |
| Machine-side | ASME B 5.50 |
| Tool-side | 1/4" - 1-1/4" |

Page in catalog



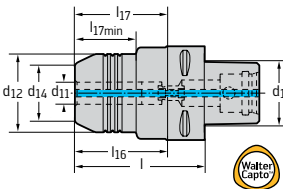
www.walter-tools.com/woc/ AB017

Walter Capto™ hydraulic expansion chuck ISO 26623-1

AB016-C



Tool



| Designation | d ₁ | d ₁₁ mm | d ₁₂ mm | d ₁₄ mm | l ₄ mm | l ₆ mm | l ₇ mm | l _{7 min} mm | kg |
|--------------------|----------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|--------------------------|------|
| ★ AB016-C5-P12-070 | C5 | 12 | 42 | 32 | 70 | 33 | 46 | 36 | 1 |
| ★ AB016-C5-P20-075 | C5 | 20 | 49.5 | 38 | 75 | 54 | 51 | 41 | 1.11 |
| ★ AB016-C6-P12-075 | C6 | 12 | 42 | 32 | 75 | 33 | 46 | 36 | 1.51 |
| ★ AB016-C6-P20-080 | C6 | 20 | 52.5 | 38 | 80 | 41 | 51 | 41 | 1.67 |

Walter Capto™ in acc. with ISO 26623

DIN 69893-1 A Adaptor

AB371-H mm



| Tool | | Designation | d ₁ | d ₁₁ | l ₄ mm | l ₁₆ mm | kg |
|------|---|-------------------|----------------|-----------------|----------------------|-----------------------|------|
| | ★ | AB371-H63-E10-049 | HSK-A63 | E10 | 49 | 23 | 0.68 |
| | ★ | AB371-H63-E12-051 | HSK-A63 | E12 | 51 | 25 | 0.68 |
| | ★ | AB371-H63-E16-056 | HSK-A63 | E16 | 56 | 30 | 0.69 |
| | ★ | AB371-H63-E20-053 | HSK-A63 | E20 | 53 | 27 | 0.7 |
| | ★ | AB371-H63-E25-059 | HSK-A63 | E25 | 59 | 27 | 0.74 |

HSK DIN 69893-1 A

| Accessories | | d ₁₁ | E10–E25 |
|-------------|------------------|-----------------|---------|
| | Coolant transfer | | FS1064 |
| | Keys | | FS952 |

**WALTER
SELECT**

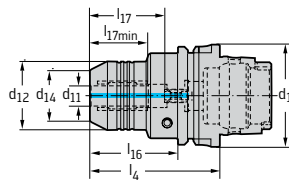
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

DIN 69893-1 A hydraulic expansion chuck

AB016-H mm



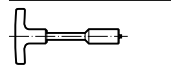
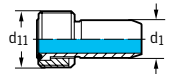
Tool



| Designation | d ₁ | d ₁₁ mm | d ₁₂ mm | d ₁₄ mm | l ₄ mm | l ₆ mm | l ₇ mm | l _{7 min} mm | kg |
|----------------------|----------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|--------------------------|------|
| ★ AB016-H63-P12-080 | HSK-A63 | 12 | 42 | 32 | 80 | 34 | 46 | 36 | 1.25 |
| ★ AB016-H63-P20-080 | HSK-A63 | 20 | 52.5 | 38 | 80 | 54 | 51 | 41 | 1.39 |
| ★ AB016-H100-P20-090 | HSK-A100 | 20 | 52.5 | 38 | 90 | 61 | 51 | 41 | 2.78 |
| ★ AB016-H100-P32-100 | HSK-A100 | 32 | 72 | 58.5 | 100 | 71 | 61 | 51 | 3.79 |

HSK DIN 69893-1 A

Accessories



| d ₁ | HSK-A100 | HSK-A63 |
|------------------|----------|---------|
| Coolant transfer | FS1065 | FS1064 |
| Keys | FS953 | FS952 |

DIN 69871 AD/B hydraulic expansion chuck

AB016-S



| Tool | | Designation | d ₁ | d ₁₁ mm | d ₁₂ mm | d ₁₄ mm | l ₄ mm | l ₁₆ mm | l ₁₇ mm | l _{17 min} mm | d ₁₃ | kg |
|------|---|-------------------|----------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|---------------------------|-----------------|------|
| | ★ | AB016-S40-P12-050 | SK40 | 12 | 42 | 32 | 50 | 31 | 46 | 36 | M16 | 1.1 |
| | ★ | AB016-S40-P20-065 | SK40 | 20 | 49.3 | 38 | 64.5 | 45.5 | 51 | 41 | M16 | 1.32 |
| | ★ | AB016-S50-P20-065 | SK50 | 20 | 49.3 | 38 | 64.5 | 45.5 | 51 | 41 | M24 | 3.04 |
| | ★ | AB016-S50-P32-081 | SK50 | 32 | 72 | 58.5 | 81 | 62 | 61 | 51 | M24 | 4 |

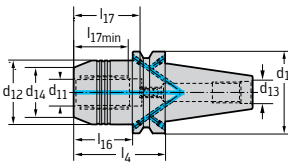
SK DIN 69871 AD/B

MAS-BT JIS B 6339 hydraulic expansion chuck

AB016-J



Tool



JIS B 6339

| Designation | d ₁ | d ₁₁ mm | d ₁₂ mm | d ₁₄ mm | l ₄ mm | l ₆ mm | l ₇ mm | l _{7 min} mm | d ₁₃ | kg |
|---------------------|----------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|--------------------------|-----------------|------|
| ★ AB016-J30-P12-069 | BT30 | 12 | 42 | 32 | 69 | 31 | 46 | 36 | M12 | 0.85 |
| ★ AB016-J30-P20-090 | BT30 | 20 | 42 | 38 | 90 | 51 | 51 | 41 | M12 | 0.99 |
| ★ AB016-J40-P12-058 | BT40 | 12 | 42 | 32 | 58 | 31 | 46 | 36 | M16 | 1.25 |
| ★ AB016-J40-P20-072 | BT40 | 20 | 49.3 | 38 | 72.5 | 45.5 | 51 | 41 | M16 | 1.48 |
| ★ AB016-J50-P20-084 | BT50 | 20 | 49.3 | 38 | 83.5 | 45.5 | 51 | 41 | M24 | 4.04 |
| ★ AB016-J50-P32-090 | BT50 | 32 | 72 | 58.5 | 90 | 52 | 61 | 51 | M24 | 4.67 |

ASME B5.50 hydraulic expansion chuck

AB016.K mm



| Tool | | Designation | d ₁ | d ₁₁ mm | d ₁₂ mm | d ₁₄ mm | l ₄ mm | l ₆ mm | l ₇ mm | l ₇ min mm | d ₁₃ | kg |
|------|---|-------------------|----------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|--------------------------|-----------------|------|
| | ★ | AB016.K40-P20-065 | CAT40 | 20 | 49.3 | 38 | 64.5 | 45.5 | 51 | 41 | 5/8"-11 | 1.34 |
| | ★ | AB016.K50-P32-081 | CAT50 | 32 | 72 | 58.5 | 81 | 62 | 61 | 51 | 1"-8 | 4.1 |

ASME B 5.50

Assembly parts and accessories



Boring bar adaptor



Adaptor sleeves for peripheral cooling



Adaptor sleeves for peripheral cooling



DIN 6499 ER collets

| | | | | |
|--------------------------------------------------------------------------|-----------------------------|-------------------|-------------------|------------------------------|
| Designation | A2140-W | FS... | SL... | C330 |
| Machine-side | Cylindrical shank with flat | Cylindrical shank | Cylindrical shank | DIN 6499 |
| Tool-side | 6 - 25 | 3 - 25 | 1/8" - 1.0" | 0.5 - 1.0 thru - 25.0 - 26.0 |
| Page in catalog | | 458 | 460 | |
| QR code | | | | |
| www.walter-tools.com/woc/ | A2140-W | FS | SL | C330 |



DIN 6499 ER tapping collets



Cooling nozzles for ER collets



Quick-change collet



Synchronised quick-change ER collet

| | | | | |
|--------------------------------------------------------------------------|----------------------------|--------|----------------------------|----------|
| Designation | C340 | GL00.. | A331 | AB735-ER |
| Machine-side | DIN 6499 | | Tap adapter SES | DIN 6499 |
| Tool-side | 8.00 x 10.00 - 7.00 x 9.00 | 3 - 16 | 8.00 x 10.00 - 7.00 x 9.00 | 8 - 19 |
| Page in catalog | | | | |
| QR code | | | | |
| www.walter-tools.com/woc/ | C340 | GL00 | A331 | AB735-ER |

Assembly parts and accessories



Synchronised quick-change collet



Seal

| | | |
|--------------|----------------------------|------------|
| Designation | AB735-ER-R | |
| Machine-side | Tap adapter SES | |
| Tool-side | 8.00 x 10.00 - 7.00 x 9.00 | 2.5 - 25.5 |

Page in catalog

QR code



www.walter-tools.com/woc/

AB735-ER-R

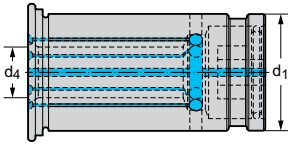
E1100



Adaptor sleeves for peripheral cooling

 FS...


Tool



Cylindrical shank

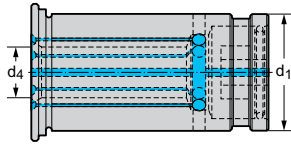
| Designation | d ₁ mm | d ₁₁ mm | h ₁ mm | kg |
|-------------|----------------------|-----------------------|----------------------|------|
| FS2194 | 12 | 3 | 47 | 0.03 |
| FS2195 | 12 | 4 | 47 | 0.03 |
| FS2196 | 12 | 5 | 47 | 0.03 |
| FS2197 | 12 | 6 | 47 | 0.03 |
| FS2198 | 12 | 8 | 47 | 0.03 |
| FS2213 | 20 | 3 | 52.5 | 0.1 |
| FS2214 | 20 | 4 | 52.5 | 0.1 |
| FS2215 | 20 | 5 | 52.5 | 0.1 |
| FS2216 | 20 | 6 | 52.5 | 0.1 |
| FS2217 | 20 | 8 | 52.5 | 0.1 |
| FS2218 | 20 | 10 | 52.5 | 0.09 |
| FS2219 | 20 | 12 | 52.5 | 0.08 |
| FS2220 | 20 | 14 | 52.5 | 0.07 |
| FS2221 | 20 | 16 | 52.5 | 0.06 |
| FS2231 | 32 | 6 | 62.5 | 0.29 |
| FS2232 | 32 | 8 | 62.5 | 0.29 |
| FS2233 | 32 | 10 | 62.5 | 0.29 |
| FS2234 | 32 | 12 | 62.5 | 0.28 |
| FS2235 | 32 | 14 | 62.5 | 0.27 |
| FS2236 | 32 | 16 | 62.5 | 0.26 |
| FS2237 | 32 | 18 | 62.5 | 0.25 |
| FS2238 | 32 | 20 | 62.5 | 0.23 |
| FS2239 | 32 | 25 | 62.5 | 0.17 |

Adaptor sleeves for internal cooling

FS...



Tool



Cylindrical shank

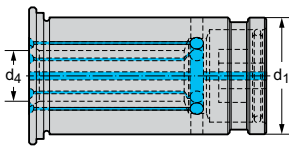
| Designation | d ₁ mm | d ₁₁ mm | l ₁ mm | kg |
|-------------|----------------------|-----------------------|----------------------|------|
| FS2189 | 12 | 3 | 47 | 0.03 |
| FS2190 | 12 | 4 | 47 | 0.03 |
| FS2191 | 12 | 5 | 47 | 0.04 |
| FS2192 | 12 | 6 | 47 | 0.03 |
| FS2193 | 12 | 8 | 47 | 0.03 |
| FS2199 | 20 | 3 | 52.5 | 0.1 |
| FS2200 | 20 | 4 | 52.5 | 0.1 |
| FS2201 | 20 | 5 | 52.5 | 0.1 |
| FS2202 | 20 | 6 | 52.5 | 0.1 |
| FS2203 | 20 | 7 | 52.5 | 0.1 |
| FS2204 | 20 | 8 | 52.5 | 0.09 |
| FS2205 | 20 | 9 | 52.5 | 0.09 |
| FS2206 | 20 | 10 | 52.5 | 0.09 |
| FS2207 | 20 | 11 | 52.5 | 0.09 |
| FS2208 | 20 | 12 | 52.5 | 0.08 |
| FS2209 | 20 | 13 | 52.5 | 0.08 |
| FS2210 | 20 | 14 | 52.5 | 0.06 |
| FS2211 | 20 | 15 | 52.5 | 0.07 |
| FS2212 | 20 | 16 | 52.5 | 0.06 |
| FS2222 | 32 | 6 | 52.5 | 0.29 |
| FS2223 | 32 | 8 | 62.5 | 0.29 |
| FS2224 | 32 | 10 | 62.5 | 0.29 |
| FS2225 | 32 | 12 | 62.5 | 0.28 |
| FS2226 | 32 | 14 | 62.5 | 0.27 |
| FS2227 | 32 | 16 | 62.5 | 0.26 |
| FS2228 | 32 | 18 | 62.5 | 0.25 |
| FS2229 | 32 | 20 | 62.5 | 0.23 |
| FS2230 | 32 | 25 | 62.5 | 0.15 |

Adaptor sleeves for peripheral cooling

SL... inch



Tool



Cylindrical shank

| Designation | d ₁ mm | d ₁ inch | d ₁₁ inch | l ₁ inch | lbs |
|-------------|----------------------|------------------------|-------------------------|------------------------|-------|
| SL0017 | 12 | 0.472 | 0.125 | 1.85 | 0.055 |
| SL0018 | 12 | 0.472 | 0.187 | 1.85 | 0.071 |
| SL0019 | 12 | 0.472 | 0.250 | 1.85 | 0.053 |
| SL0020 | 12 | 0.472 | 0.375 | 1.85 | 0.033 |
| SL0021 | 20 | 0.787 | 0.125 | 2.067 | 0.170 |
| SL0022 | 20 | 0.787 | 0.187 | 2.067 | 0.198 |
| SL0023 | 20 | 0.787 | 0.250 | 2.067 | 0.183 |
| SL0024 | 20 | 0.787 | 0.375 | 2.067 | 0.165 |
| SL0025 | 20 | 0.787 | 0.500 | 2.067 | 0.176 |
| SL0026 | 20 | 0.787 | 0.625 | 2.067 | 0.137 |
| SL0027 | 32 | 1.260 | 0.500 | 2.461 | 0.575 |
| SL0028 | 32 | 1.260 | 0.625 | 2.461 | 0.542 |
| SL0029 | 32 | 1.260 | 0.750 | 2.461 | 0.489 |
| SL0030 | 32 | 1.260 | 1.000 | 2.461 | 0.311 |

Adaptor sleeves for internal cooling

SL... inch



| Tool | | Designation | d ₁ mm | d ₁ inch | d ₁₁ inch | l ₁ inch | lbs |
|--------------------------|--|-------------|----------------------|------------------------|-------------------------|------------------------|-------|
| <p>Cylindrical shank</p> | | SL0001 | 12 | 0.472 | 0.125 | 1.85 | 0.060 |
| | | SL0002 | 12 | 0.472 | 0.187 | 1.85 | 0.055 |
| | | SL0003 | 12 | 0.472 | 0.250 | 1.85 | 0.053 |
| | | SL0004 | 12 | 0.472 | 0.375 | 1.85 | 0.040 |
| | | SL0005 | 20 | 0.787 | 0.125 | 2.067 | 0.212 |
| | | SL0006 | 20 | 0.787 | 0.187 | 2.067 | 0.22 |
| | | SL0007 | 20 | 0.787 | 0.250 | 2.067 | 0.214 |
| | | SL0008 | 20 | 0.787 | 0.375 | 2.067 | 0.165 |
| | | SL0009 | 20 | 0.787 | 0.500 | 2.067 | 0.141 |
| | | SL0010 | 20 | 0.787 | 0.625 | 2.067 | 0.097 |
| | | SL0011 | 32 | 1.260 | 0.250 | 2.461 | 0.617 |
| | | SL0012 | 32 | 1.260 | 0.375 | 2.461 | 0.608 |
| | | SL0013 | 32 | 1.260 | 0.500 | 2.461 | 0.606 |
| | | SL0014 | 32 | 1.260 | 0.625 | 2.461 | 0.549 |
| | | SL0015 | 32 | 1.260 | 0.750 | 2.461 | 0.518 |
| | | SL0016 | 32 | 1.260 | 1.000 | 2.461 | 0.344 |

**WALTER
SELECT**

●● Primary application ● Other application

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

Sustainable action in all Business divisions

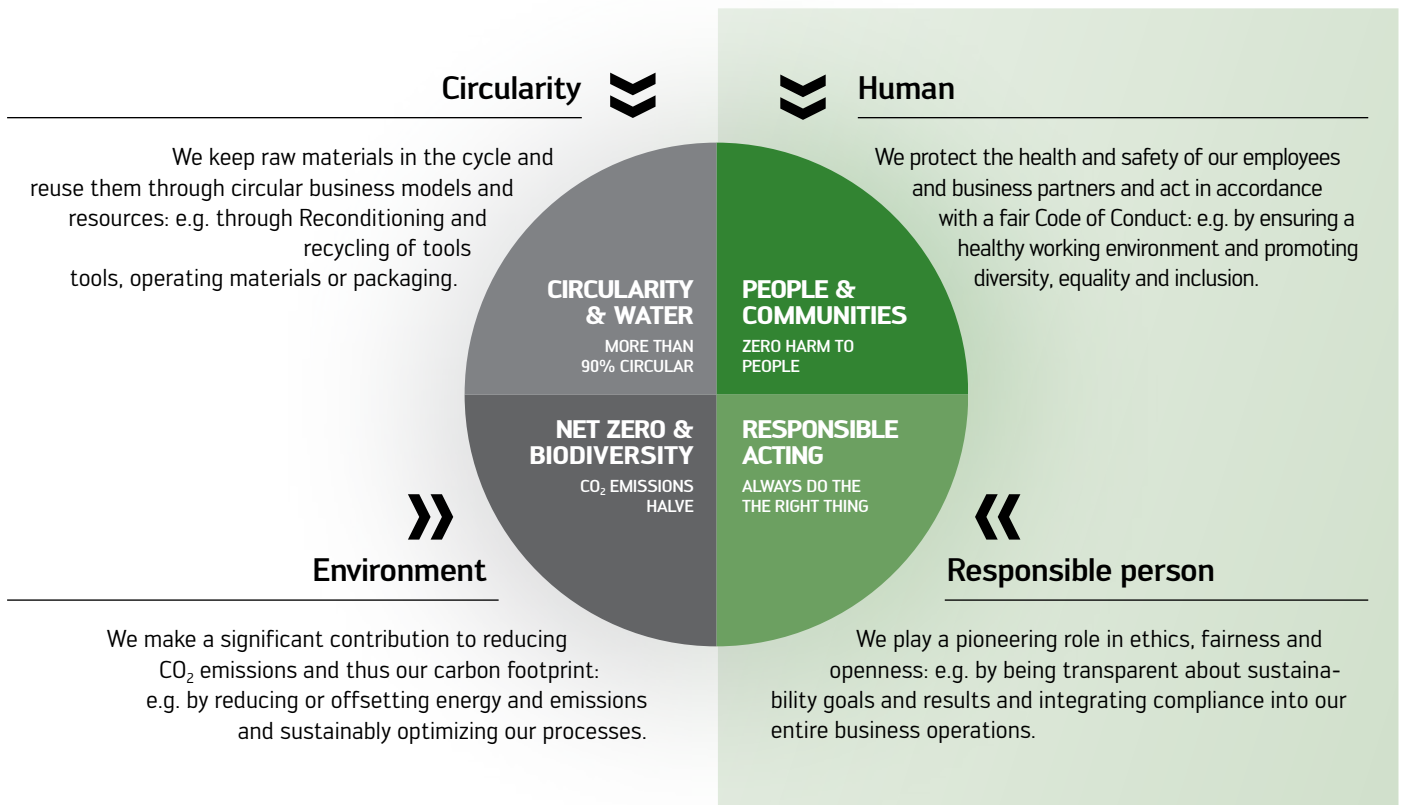
Create
the
Change

Sustainability is an essential Requirement for Walter to be successful as a company on the market in the long term. It is therefore a key component of our corporate strategy. Our responsible person for sustainability encompasses all areas: from product recycling, sustainable packaging, energy efficiency and the reduction of CO₂ emissions to our commitment to health and safety and responsible behaviour towards our business partners.



Visit our website:
www.walter-tools.com/en-gb/company/sustainable-company

THE WALTER SUSTAINABILITY GOALS BY 2030



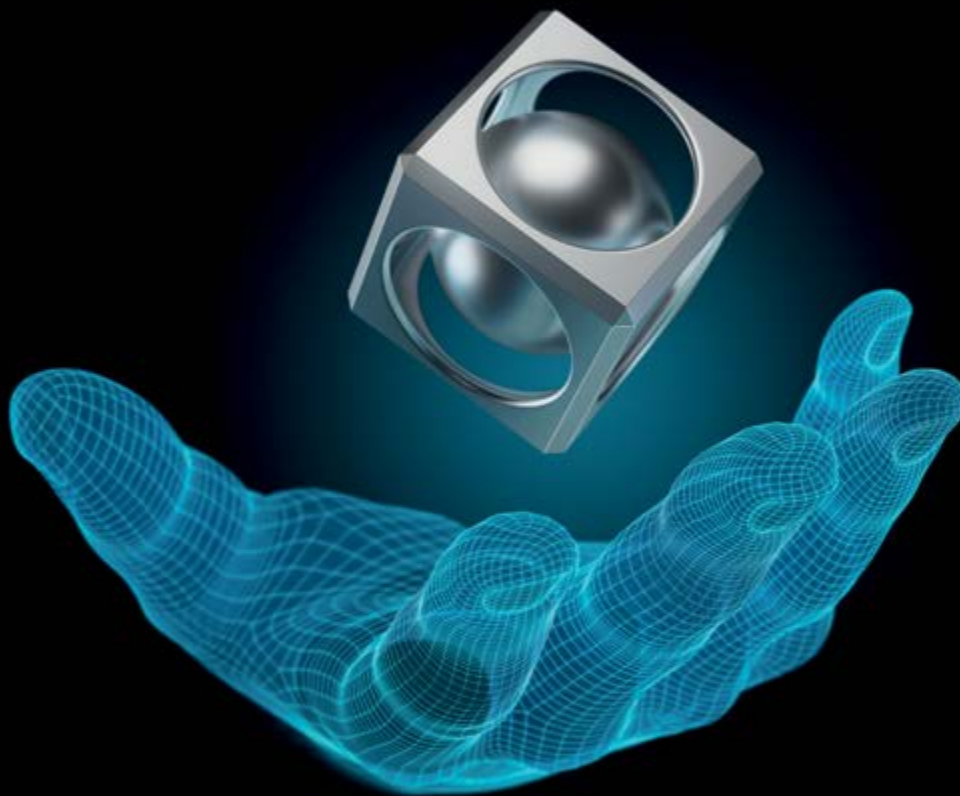
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All processes, procedures, methods and resources that we use are audited and evaluated by an independent body according to Hardness criteria: Occupational health and safety, Quality assurance and environmentally friendly behaviour are examples of this. Our social commitment shows that Walter takes his responsibility much further.



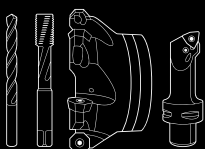
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BASED
TARGETS


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Walter – your reliable partner for lightweight machining.



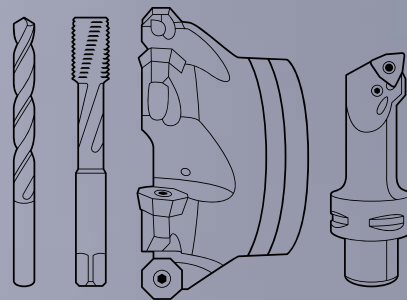
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1510 S. Batesville Rd
Greer, SC 29650, USA

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