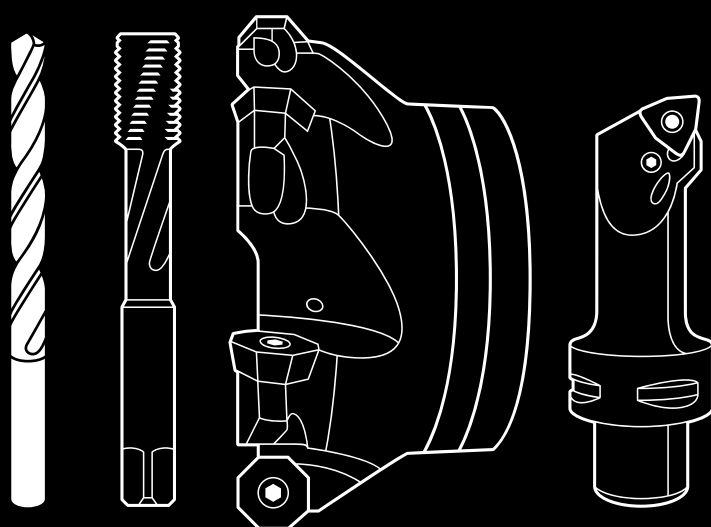


\_ METAL IS OUR WORLD

# Tools for Holmaking



# How to find and order your tool solution:



## Personal – worldwide

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



## The Walter Hybrid catalogues and brochures

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

At [walter-tools.com](http://walter-tools.com), you can access and order your Walter products quickly and conveniently online – via smartphone, tablet or PC.

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

## Walter online catalogue



### Tool-specific search

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

## Walter GPS



### Application-based search

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

## Walter Innotime®



### Component-based search

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

## Digital ordering methods



**TOOLSHOP**



**EDI B2B**

### Walter TOOLSHOP & EDI

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

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

## B – Drilling

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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.

## **Krato-tec™**

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

## **Tiger-tec®Gold**

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

## **Tiger-tec®Silver**

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

## **Thrill-tec™**

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

## **Walter BLAXX**

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

## **Walter Green**

Walter Green: Sustainability and responsible use of resources are central components of our company principles. We use our "Walter Green" seal to show how we implement these principles – such as by offsetting our CO<sub>2</sub> emissions with environmental conservation projects.

## **Walter Xpress**

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

## **Walter Precision XT**

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

## **Walter Boring XT**

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

## **XD Technology**

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

## **Xill-tec®**

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

## **Xtra-tec®**

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

## **Xtra-tec® XT**

Xtra-tec® XT is the latest generation of Walter milling tools. As the "Xtended" Xtra-tec® technology, it offers a completely new perspective on productivity and process reliability. It can cover nearly all milling operations in every common material group: More reliable, productive, cost-efficient than ever before – all while compensating for the CO<sub>2</sub> emissions through Walter Green.

## **X-treme Evo**

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

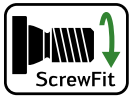
## Technologies at Walter (continued)



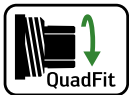
Walter Capto™ is a modular tool adaptor system. It is suitable for all turning, milling, drilling and threading processes. Its ISO-standardised polygon taper absorbs torsional moments and bending moments extremely well and ensures optimal repeat accuracy.



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



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



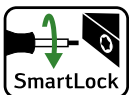
The precision-ground QuadFit interface with taper and support face characterises the precision of the vibration-damped boring bars for turning and thread turning with Walter Accure-tec® technology. The exchangeable head system, which can be rotated by 180°, makes it possible to rapidly replace tools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



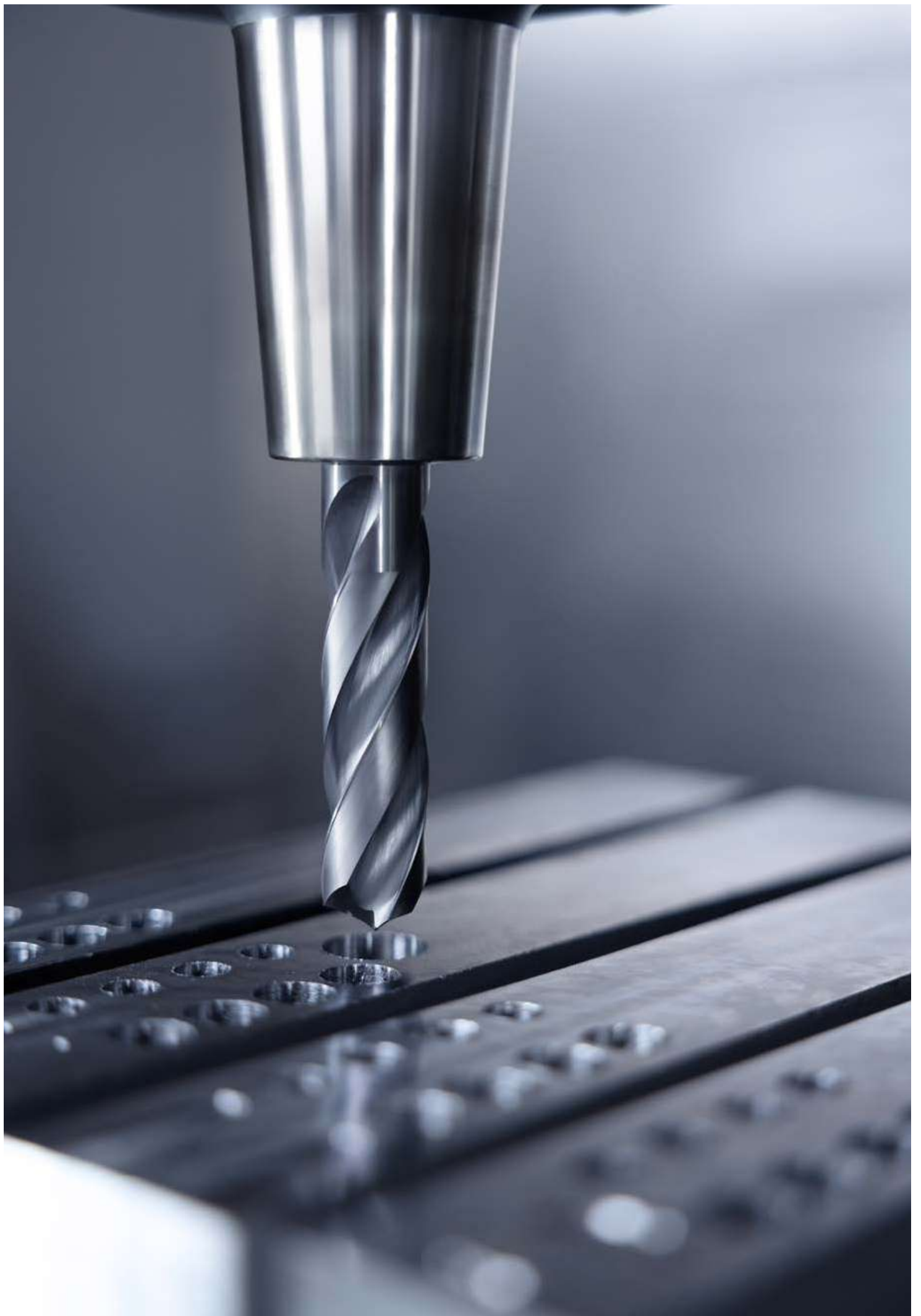
In turning and grooving operations, the Walter precision cooling system provides cooling at the centre of the chip formation. Its dual coolant jets are directed precisely onto the flank and rake faces. In drilling operations, the coolant jets exit close to the cutting edge. This system provides significantly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



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



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



# The structure of the new Walter General Catalogue

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

Drilling from solid WALTER  
TITEX

### Solid carbide drills with internal coolant

B1

Drilling depth	3 x D <sub>c</sub>		5 x D <sub>c</sub>	5 x D <sub>c</sub>	
<b>Designation</b>	DC150 Perform	DC150 Perform	A3289DPL Xtreme Plus	DC175 Supreme	DC170 Supreme
<b>Additional services</b>					
<b>Standard</b>	DIN 6537 K	DIN 6537 K	DIN 6537 K	Walter	DIN 6537 L
<b>Coating / grade</b>	WJ30RE	WJ30RE	DPL	WJ30RZ	WJ30EJ
<b>Shank</b>	DIN 6535 HA	DIN 6535 HE, turned 180° DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
<b>Diameter range [mm]</b>	3–20	3–20	3–20	3–20	3–20
<b>P Steel</b>	●●	●●	●●	●	●●
<b>M Stainless steel</b>	●	●	●	●●	●
<b>K Cast iron</b>	●●	●●	●●	●	●●
<b>N NF metals</b>	●●	●●	●●	●	●
<b>S Materials with difficult cutting properties</b>	●●	●●	●●	●●	●
<b>H Hard materials</b>	●	●	●	●	●
<b>O Other</b>	●	●	●	●	●
<b>Page in catalogue</b>	20	21	22	23	24
<b>QR code</b>					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	DC150	DC150	A3289DPL	DC175	DC170

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

Solid carbide drills – with internal coolant 9

## 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.

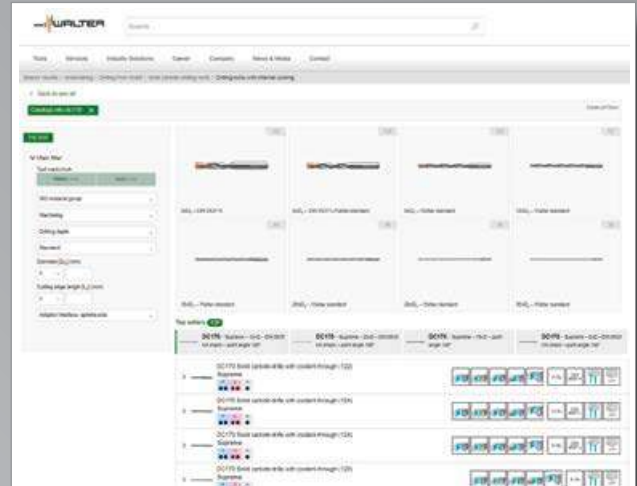
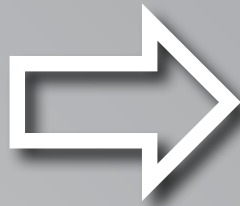


### Scan the QR code

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.



DC170



### Direct link

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

[www.walter-tools.com/woc/DC170](http://www.walter-tools.com/woc/DC170).

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.

**Solid carbide drills with coolant-through**  
DC170

WALTER

3xDc DEN 5537 K 3xDc

W158J TAIN (XACT)

Key (explanation of symbols)

Switch to each value

DIN 5537 K	Designation	Dc mm	lc mm	li mm	ls mm	li mm
	Sunrise – DIN 5537 K – 3xDc – DIN 5536 HA Shank – point angle 140° (122)	3 - 20	14 - 56	82 - 121	20 - 79	36 - 60
	DC170-03-000A1-WJ30EJ Availability	3	14	82	20	36
	DC170-03-03-100A1-WJ30EJ Availability	3.1	14	82	20	36
	DC170-03-03-175A1-WJ30EJ Availability	3.175	14	82	20	36
	DC170-03-03-200A1-WJ30EJ Availability	3.2	14	82	20	36
	DC170-03-03-300A1-WJ30EJ Availability	3.3	14	82	20	36
	DC170-03-03-400A1-WJ30EJ Availability	3.4	14	82	20	36
	DC170-03-03-500A1-WJ30EJ Availability	3.5	14	82	20	36

**Solid carbide drills with internal coolant**

B1

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



Designation	K5191TFT X-treme Pilot 180 C	DC118 Supreme	DB131 Supreme	A6181TFT XD Pilot	DC260 Advance X-treme Evo
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	TFT	WJ30ET	WJ30EL	TFT	WJ30ET
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	4-7	3-20	2-2,95	3-16	3,3-14
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●●
H Hard materials	●	●	●	●	●
O Other	●	●	●	●	●
Page in catalogue	B 158	B 156	B 153	B 154	B 26
QR code					
	K5191TFT	DC118	DB131	A6181TFT	DC260

www.walter-tools.com/woc/

**WALTER SELECT**

●● Primary application ● Other application

## Solid carbide drills with internal coolant


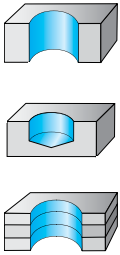

Drilling depth	3 x D <sub>C</sub>	3 x D <sub>C</sub>	3 x D <sub>C</sub>	3 x D <sub>C</sub>	3 x D <sub>C</sub>













Designation	DC260 Advance X-treme Evo	DC180 Supreme X-treme Evo Plus	DC175 Supreme	DC170 Supreme	DC160 Advance X-treme Evo
Additional services					
Standard	Walter	DIN 6537 K	DIN 6537 K	DIN 6537 K	DIN 6537 K
Coating / grade	WJ30ET	WJ30EZ	WJ30RZ	WJ30EJ	WJ30ET
Shank	DIN 6535 HE	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3,3–14	3–20	3–20	3–20	3–20
P Steel	●●	●●	●	●●	●●
M Stainless steel	●	●●	●●	●●	●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●●
H Hard materials	●	●●	●	●	●
O Other	●	●	●	●	●
Page in catalogue	B 26	B 27	B 30	B 34	B 37
QR code					
www.walter-tools.com/woc/	DC260	DC180	DC175	DC170	DC160

**Solid carbide drills with internal coolant**

B1

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



<b>Designation</b>	DC160 Advance X-treme Evo	DC150 Perform	DC150 Perform	A3289DPL X-treme Plus	DC183 Supreme X-treme Evo 3
<b>Additional services</b>					
<b>Standard</b>	DIN 6537 K	DIN 6537 K	DIN 6537 K	DIN 6537 K	Walter
<b>Coating / grade</b>	WJ30ET	WJ30RE	WJ30RE	DPL	WJ30EZ
<b>Shank</b>	DIN 6535 HE	DIN 6535 HA	DIN 6535 HE, turned 180° DIN 6535 HB	DIN 6535 HA	DIN 6535 HA
<b>Diameter range [mm]</b>	3–20	3–20	3–20	3–20	3–16
<b>P Steel</b>	●●	●●	●●	●●	●●
<b>M Stainless steel</b>	●	●	●	●●	●
<b>K Cast iron</b>	●●	●●	●●	●●	●●
<b>N NF metals</b>	●●	●●	●●	●●	●●
<b>S Materials with difficult cutting properties</b>	●●	●●	●●	●●	●
<b>H Hard materials</b>	●	●	●	●●	
<b>O Other</b>	●	●	●	●	
<b>Page in catalogue</b>	B 37	B 45	B 45	B 50	B 55
<b>QR code</b>					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	DC160	DC150	DC150	A3289DPL	DC183

## Solid carbide drills with internal coolant

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



Designation	DC180 Supreme X-treme Evo Plus	DC175 Supreme	DC170 Supreme	DC166 Supreme	DC165 Advance
Additional services					
Standard	Walter	Walter	DIN 6537 L	DIN 6537 L	Walter
Coating / grade	WJ30EZ	WJ30RZ	WJ30EJ	WJ30UU	WJ30UU
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–20	3–20	3–20	3–12	4–16
<b>P</b> Steel	●●	●	●●		
<b>M</b> Stainless steel	●●	●●			
<b>K</b> Cast iron	●●		●●		●●
<b>N</b> NF metals	●●	●		●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●			
<b>H</b> Hard materials	●●		●		
<b>O</b> Other	●	●			
Page in catalogue	B 27	B 30	B 34	B 69	B 70
QR code					
www.walter-tools.com/woc/	DC180	DC175	DC170	DC166	DC165

B1

## Solid carbide drills with internal coolant

B1

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



Designation	DC160 Advance X-treme Evo	DC160 Advance X-treme Evo	DC150 Perform	DC150 Perform	DB133 Supreme
Additional services					
Standard	DIN 6537 L	DIN 6537 L	DIN 6537 L	DIN 6537 L	Walter
Coating / grade	WJ30ET	WJ30ET	WJ30RE	WJ30RE	WJ30EL
Shank	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA	DIN 6535 HE, turned 180° DIN 6535 HB	DIN 6535 HA
Diameter range [mm]	3–25	3–25	3–20	3–20	0,7–2,95
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●	●	●	●	●●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●●
H Hard materials	●	●	●	●	●
O Other	●	●	●	●	●
Page in catalogue	B 37	B 41	B 45	B 48	B 53
QR code					
www.walter-tools.com/woc/	DC160	DC160	DC150	DC150	DB133

## Solid carbide drills with internal coolant

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

B1

**NEW**



Designation	A3389DPL X-treme Plus	DC183 Supreme X-treme Evo 3	DC180 Supreme X-treme Evo Plus	DC175 Supreme	DC170 Supreme
Additional services					
Standard	DIN 6537 L	Walter	Walter	Walter	Walter
Coating / grade	DPL	WJ30EY	WJ30EY	WJ30RY	WJ30EJ
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–20	3–16	3–20	3–16	3–20
P Steel	●●	●●	●●	●	●●
M Stainless steel	●●	●	●●	●●	●●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●	●●
S Materials with difficult cutting properties	●●	●	●●	●●	●●
H Hard materials	●●		●●		●
O Other	●		●	●	
Page in catalogue	B 89	B 56	B 28	B 31	B 35
QR code					
www.walter-tools.com/woc/	A3389DPL	DC183	DC180	DC175	DC170

**WALTER SELECT**

●● Primary application ● Other application

## Solid carbide drills with internal coolant

B1

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



Designation	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme	A6489DPP X-treme D8	A3486TIP Alpha® 44
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	WJ30ET	WJ30TA	WJ30ER	DPP	TIP
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–20	3–20	0,7–2,95	3–20	5–9
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●	●	●●	●●	●
K Cast iron	●●	●●	●●	●●	●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●
H Hard materials	●	●	●	●●	●
O Other	●	●	●	●	●
Page in catalogue	B 38	B 46	B 93	B 113	B 116
QR code					
www.walter-tools.com/woc/	DC160	DC150	DB133	A6489DPP	A3486TIP

WALTER SELECT

●● Primary application ● Other application



## Solid carbide drills with internal coolant

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



Designation	DC170 Supreme	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme	A6589DPP X-treme D12
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	WJ30EJ	WJ30EU	WJ30TA	WJ30ER	DPP
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–20	3–20	3–20	0,7–2,9	3–20
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel		●	●	●●	●●
<b>K</b> Cast iron	●●	●●	●●	●●	●●
<b>N</b> NF metals		●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties		●●	●●	●●	●●
<b>H</b> Hard materials	●	●	●●	●	●●
<b>O</b> Other		●	●	●	●
Page in catalogue	B 35	B 39	B 46	B 117	B 128
QR code					
www.walter-tools.com/woc/	DC170	DC160	DC150	DB133	A6589DPP

## Solid carbide drills with internal coolant

B1

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



Designation	DC170 Supreme	DC160 Advance X-treme Evo	DB133 Supreme	DC170 Supreme	DC160 Advance X-treme Evo
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	WJ30EJ	WJ30EU	WJ30ER	WJ30EJ	WJ30EU
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–16	3–16	2–2,9	3–16	3–16
P Steel	●●	●●	●●	●●	●●
M Stainless steel		●	●●		●
K Cast iron	●●	●●	●●	●●	●●
N NF metals		●●	●●		●●
S Materials with difficult cutting properties		●●	●		●●
H Hard materials	●	●	●	●	●
O Other		●	●		●
Page in catalogue	B 36	B 37	B 131	B 34	B 37
QR code					
www.walter-tools.com/woc/	DC170	DC160	DB133	DC170	DC160

## Solid carbide drills with internal coolant

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



Designation	DB133 Supreme	A6794TFP X-treme DH20	DC170 Supreme	DC160 Advance X-treme Evo	DB133 Supreme
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	WJ30ER	TFP	WJ30EJ	WJ30EU	WJ30ER
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	2-2,9	3-10	3-12	3-12	2-2,9
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●	●●	●	●●
<b>K</b> Cast iron	●●	●	●●	●●	●●
<b>N</b> NF metals	●●	●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●	●●	●
<b>H</b> Hard materials	●	●	●	●	●
<b>O</b> Other	●			●	●
Page in catalogue	B 53	B 141	B 35	B 37	B 53
QR code					
www.walter-tools.com/woc/	DB133	A6794TFP	DC170	DC160	DB133

B1

## Solid carbide drills with internal coolant

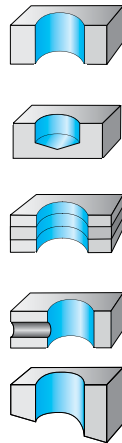
B1

Drilling depth	30 x D <sub>C</sub>	30 x D <sub>C</sub>	30 x D <sub>C</sub>	30 x D <sub>C</sub>	40 x D <sub>C</sub>



Designation	DC170 Supreme	DC160 Advance X-treme Evo	DB133 Supreme	A6994TFP X-treme DH30	A7495TTP X-treme D40
Additional services					
Standard	Walter	Walter	Walter	Walter	Walter
Coating / grade	WJ30EJ	WJ30EU	WJ30ER	TFP	TTP
Shank	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	3–12	3–12	2–2,9	3–10	3–11
P Steel	●●	●●	●●	●●	●●
M Stainless steel		●	●●	●	●
K Cast iron	●●	●●	●●	●	●●
N NF metals		●●	●●	●	●●
S Materials with difficult cutting properties		●●	●	●	
H Hard materials	●	●	●	●	
O Other		●	●		
Page in catalogue	B 34	B 37	B 53	B 150	B 151
QR code					
www.walter-tools.com/woc/	DC170	DC160	DB133	A6994TFP	A7495TTP

## Solid carbide drills with internal coolant



Drilling depth	50 x D <sub>C</sub>
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Designation	A7595TTP X-treme D50
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Additional services	
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Standard	Walter
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Coating / grade	TTP
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Shank	DIN 6535 HA
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Diameter range [mm]	3-9
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<b>P</b> Steel	●●
<b>M</b> Stainless steel	●
<b>K</b> Cast iron	●●
<b>N</b> NF metals	●●
<b>S</b> Materials with difficult cutting properties	
<b>H</b> Hard materials	
<b>O</b> Other	

Page in catalogue	B 152
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QR code



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

A7595TTP

**Solid carbide drills without internal coolant**

B1

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



<b>Designation</b>	DB131 Supreme	DC260 Advance X-treme Evo	DC260 Advance X-treme Evo	DC160 Advance X-treme Evo	DC160 Advance X-treme Evo
<b>Additional services</b>					
<b>Standard</b>	Walter	Walter	Walter	DIN 6537 K	DIN 6537 K
<b>Coating / grade</b>	WJ30EL	WJ30ET	WJ30ET	WJ30ET	WJ30ET
<b>Shank</b>	DIN 6535 HA	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA	DIN 6535 HE
<b>Diameter range [mm]</b>	0,5–1,984	3,3–14	3,3–14,5	3–20	3–20
<b>P Steel</b>	●●	●●	●●	●●	●●
<b>M Stainless steel</b>	●●				
<b>K Cast iron</b>	●●	●●	●●	●●	●●
<b>N NF metals</b>	●●	●	●	●	●
<b>S Materials with difficult cutting properties</b>	●	●	●	●	●
<b>H Hard materials</b>	●	●	●	●	●
<b>O Other</b>	●	●	●	●	●
<b>Page in catalogue</b>	B 204	B 159	B 159	B 160	B 160
<b>QR code</b>					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	DB131	DC260	DC260	DC160	DC160

## Solid carbide drills without internal coolant

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



Designation	DC150 Perform	DC150 Perform	DC150 Perform	A1166TIN	A1166
Additional services					
Standard	DIN 6537 K	DIN 6537 K	DIN 6539	Walter	Walter
Coating / grade	WJ30RE	WJ30RE	WJ30RE	TIN	uncoated
Shank	DIN 6535 HA	DIN 6535 HE, turned 180° DIN 6535 HB	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range [mm]	3–20	3–20	1,5–2,9	3–14	3–18
P Steel	●●	●●	●●	●	●
M Stainless steel	●	●	●		
K Cast iron	●●	●●	●●		
N NF metals	●	●	●		●
S Materials with difficult cutting properties	●	●	●		●
H Hard materials	●	●	●	●	●
O Other	●	●	●		
Page in catalogue	B 169	B 169	B 168	B 177	B 177
QR code					
www.walter-tools.com/woc/	DC150	DC150	DC150	A1166TIN	A1166

## Solid carbide drills without internal coolant

B1

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



Designation	A1163	DC160 Advance X-treme Evo	DC160 Advance X-treme Evo	DC150 Perform	DB133 Supreme
Additional services					
Standard	DIN 6539	DIN 6537 L	DIN 6537 L	DIN 6537 L	Walter
Coating / grade	uncoated	WJ30ET	WJ30ET	WJ30TA	WJ30EL
Shank	Cylindrical shank	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA	DIN 6535 HA
Diameter range [mm]	1–12	3–25	3–25	3–20	0,5–2,95
<b>P</b> Steel		●●	●●	●●	●●
<b>M</b> Stainless steel				●	
<b>K</b> Cast iron	●	●●	●●	●●	●●
<b>N</b> NF metals	●●	●	●	●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials		●	●	●	●
<b>O</b> Other	●●	●	●	●	●
Page in catalogue	B 175	B 160	B 164	B 169	B 179
QR code					
www.walter-tools.com/woc/	A1163	DC160	DC160	DC150	DB133



## Solid carbide drills without internal coolant

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



Designation	DB130 Advance	A3367 BSX	DB133 Supreme	A1276TFL Alpha® 22	A1263
Additional services					
Standard	DIN 1899	DIN 6537 L	Walter	DIN 338	DIN 338
Coating / grade	WJ30UU	uncoated	WJ30ER	TFL	uncoated
Shank	Cylindrical shank	DIN 6535 HA	DIN 6535 HA	Cylindrical shank	Cylindrical shank
Diameter range [mm]	0,1–1,45	3–16	0,5–2,95	3–10,2	0,6–12
P Steel	●●		●●	●●	
M Stainless steel	●●				
K Cast iron	●●	●●	●●	●●	●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●	●	●	●
H Hard materials			●		
O Other	●●	●	●		●●
Page in catalogue	B 181	B 197	B 179		B 201
QR code					
www.walter-tools.com/woc/	DB130	A3367	DB133	A1276TFL	A1263

B1

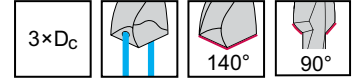
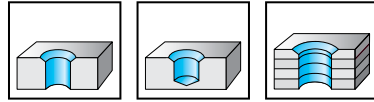
# Solid carbide drills with coolant-through

## DC260 Advance

### X-treme Evo



- Step length in accordance with DIN 8378  
 - For threaded core hole drilling



B1

	P	M	K	N	S	H	O
WJ30ET	●●	●	●●	●●	●●	●	●

Tool	Designation	For threads	D <sub>c</sub> mm	d <sub>10</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
DIN 6535 HA	DC260-03-03.300A1-	M 4	3,3	5	11	66	28	36	6	●●
	DC260-03-04.200A1-	M 5	4,2	6	14	66	28	36	6	●●
	DC260-03-05.000A1-	M 6	5	8	17	79	41	36	8	●●
	DC260-03-06.800A1-	M 8	6,8	10	21	89	47	40	10	●●
	DC260-03-08.500A1-	M 10	8,5	12	26	102	55	45	12	●●
	DC260-03-10.200A1-	M 12	10,2	14	30	107	60	45	14	●●
	DC260-03-12.000A1-	M 14	12	16	35	115	65	48	16	●●
	DC260-03-14.000A1-	M 16	14	18	39	123	73	48	18	●●
DIN 6535 HE	DC260-03-03.300F1-	M 4	3,3	5	11	66	28	36	6	●●
	DC260-03-04.200F1-	M 5	4,2	6	14	66	28	36	6	●●
	DC260-03-05.000F1-	M 6	5	8	17	79	41	36	8	●●
	DC260-03-06.800F1-	M 8	6,8	10	21	89	47	40	10	●●
	DC260-03-08.500F1-	M 10	8,5	12	26	102	55	45	12	●●
	DC260-03-10.200F1-	M 12	10,2	14	30	107	60	45	14	●●
	DC260-03-12.000F1-	M 14	12	16	35	115	65	48	16	●●
	DC260-03-14.000F1-	M 16	14	18	39	123	73	48	18	●●

Ordering example for the grade WJ30ET: DC260-03-03.300A1-WJ30ET

# Solid carbide drills with coolant-through

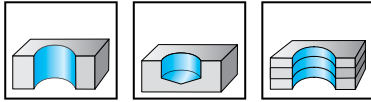
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec™



– with innovative Krato-tec™ multilayer coating



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

B1

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

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

**WALTER SELECT**

●● Primary application ● Other application

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30EZ
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC180-03-05.700A1-	5,7		20	66	28	36	6	☹
	DC180-03-05.800A1-	5,8		20	66	28	36	6	☹
	DC180-03-05.900A1-	5,9		20	66	28	36	6	☹
	DC180-03-05.953A1-	5,953	15/64"	20	66	28	36	6	☹
	DC180-03-06.000A1-	6		20	66	28	36	6	☹
	DC180-03-06.100A1-	6,1		24	79	34	36	8	☹
	DC180-03-06.200A1-	6,2		24	79	34	36	8	☹
	DC180-03-06.300A1-	6,3		24	79	34	36	8	☹
	DC180-03-06.350A1-	6,350	1/4"	24	79	34	36	8	☹
	DC180-03-06.400A1-	6,4		24	79	34	36	8	☹
	DC180-03-06.500A1-	6,5		24	79	34	36	8	☹
	DC180-03-06.600A1-	6,6		24	79	34	36	8	☹
	DC180-03-06.700A1-	6,7		24	79	34	36	8	☹
	DC180-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☹
	DC180-03-06.800A1-	6,8		24	79	34	36	8	☹
	DC180-03-06.900A1-	6,9		24	79	34	36	8	☹
	DC180-03-07.000A1-	7		24	79	34	36	8	☹
	DC180-03-07.100A1-	7,1		29	79	41	36	8	☹
	DC180-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☹
	DC180-03-07.200A1-	7,2		29	79	41	36	8	☹
	DC180-03-07.300A1-	7,3		29	79	41	36	8	☹
	DC180-03-07.400A1-	7,4		29	79	41	36	8	☹
	DC180-03-07.500A1-	7,5		29	79	41	36	8	☹
	DC180-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☹
	DC180-03-07.800A1-	7,8		29	79	41	36	8	☹
	DC180-03-07.900A1-	7,9		29	79	41	36	8	☹
	DC180-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☹
	DC180-03-08.000A1-	8		29	79	41	36	8	☹
	DC180-03-08.100A1-	8,1		35	89	47	40	10	☹
	DC180-03-08.200A1-	8,2		35	89	47	40	10	☹
	DC180-03-08.300A1-	8,3		35	89	47	40	10	☹
	DC180-03-08.334A1-	8,334	21/64"	35	89	47	40	10	☹
	DC180-03-08.400A1-	8,4		35	89	47	40	10	☹
	DC180-03-08.500A1-	8,5		35	89	47	40	10	☹
	DC180-03-08.600A1-	8,6		35	89	47	40	10	☹
DC180-03-08.700A1-	8,7		35	89	47	40	10	☹	
DC180-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☹	
DC180-03-08.800A1-	8,8		35	89	47	40	10	☹	
DC180-03-09.000A1-	9		35	89	47	40	10	☹	
DC180-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☹	
DC180-03-09.200A1-	9,2		35	89	47	40	10	☹	
DC180-03-09.300A1-	9,3		35	89	47	40	10	☹	
DC180-03-09.500A1-	9,5		35	89	47	40	10	☹	
DC180-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☹	
DC180-03-09.600A1-	9,6		35	89	47	40	10	☹	
DC180-03-09.700A1-	9,7		35	89	47	40	10	☹	

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

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

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

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

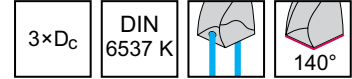
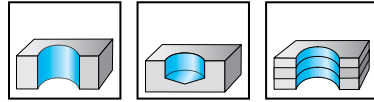
B1

# Solid carbide twist drill

## DC175 Supreme



- Walter Precision cooling



B1

	P	M	K	N	S	H	O
WJ30RZ	●	●●	●	●	●●	●	●

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RZ
<p>DIN 6535 HA</p>	DC175-03-03.000A1-	3		14	62	20	36	6	☹
	DC175-03-03.100A1-	3,1		14	62	20	36	6	☹
	DC175-03-03.175A1-	3,175	1/8"	14	62	20	36	6	☹
	DC175-03-03.200A1-	3,2		14	62	20	36	6	☹
	DC175-03-03.250A1-	3,25		14	62	20	36	6	☹
	DC175-03-03.300A1-	3,3		14	62	20	36	6	☹
	DC175-03-03.400A1-	3,4		14	62	20	36	6	☹
	DC175-03-03.500A1-	3,5		14	62	20	36	6	☹
	DC175-03-03.572A1-	3,572	9/64"	14	62	20	36	6	☹
	DC175-03-03.600A1-	3,6		14	62	20	36	6	☹
	DC175-03-03.700A1-	3,7		14	62	20	36	6	☹
	DC175-03-03.800A1-	3,8		17	66	24	36	6	☹
	DC175-03-03.900A1-	3,9		17	66	24	36	6	☹
	DC175-03-03.969A1-	3,969	5/32"	17	66	24	36	6	☹
	DC175-03-04.000A1-	4		17	66	24	36	6	☹
	DC175-03-04.100A1-	4,1		17	66	24	36	6	☹
	DC175-03-04.200A1-	4,2		17	66	24	36	6	☹
	DC175-03-04.300A1-	4,3		17	66	24	36	6	☹
	DC175-03-04.366A1-	4,366	11/64"	17	66	24	36	6	☹
	DC175-03-04.400A1-	4,4		17	66	24	36	6	☹
	DC175-03-04.500A1-	4,5		17	66	24	36	6	☹
	DC175-03-04.600A1-	4,6		17	66	24	36	6	☹
	DC175-03-04.650A1-	4,65		17	66	24	36	6	☹
	DC175-03-04.700A1-	4,7		17	66	24	36	6	☹
	DC175-03-04.763A1-	4,763	3/16"	20	66	28	36	6	☹
	DC175-03-04.800A1-	4,8		20	66	28	36	6	☹
	DC175-03-04.900A1-	4,9		20	66	28	36	6	☹
	DC175-03-05.000A1-	5		20	66	28	36	6	☹
	DC175-03-05.100A1-	5,1		20	66	28	36	6	☹
	DC175-03-05.159A1-	5,159	13/64"	20	66	28	36	6	☹
	DC175-03-05.200A1-	5,2		20	66	28	36	6	☹
	DC175-03-05.300A1-	5,3		20	66	28	36	6	☹
DC175-03-05.400A1-	5,4		20	66	28	36	6	☹	
DC175-03-05.500A1-	5,5		20	66	28	36	6	☹	
DC175-03-05.550A1-	5,55		20	66	28	36	6	☹	
DC175-03-05.556A1-	5,556	7/32"	20	66	28	36	6	☹	

Ordering example for the grade WJ30RZ: DC175-03-03.000A1-WJ30RZ

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30RZ
		m7 mm		mm	mm	mm	mm	mm	
<p>DIN 6535 HA</p>	DC175-03-05.600A1-	5,6		20	66	28	36	6	☺
	DC175-03-05.700A1-	5,7		20	66	28	36	6	☺
	DC175-03-05.800A1-	5,8		20	66	28	36	6	☺
	DC175-03-05.900A1-	5,9		20	66	28	36	6	☺
	DC175-03-05.953A1-	5,953	15/64"	20	66	28	36	6	☺
	DC175-03-06.000A1-	6		20	66	28	36	6	☺
	DC175-03-06.100A1-	6,1		24	79	34	36	8	☺
	DC175-03-06.200A1-	6,2		24	79	34	36	8	☺
	DC175-03-06.300A1-	6,3		24	79	34	36	8	☺
	DC175-03-06.350A1-	6,350	1/4"	24	79	34	36	8	☺
	DC175-03-06.400A1-	6,4		24	79	34	36	8	☺
	DC175-03-06.500A1-	6,5		24	79	34	36	8	☺
	DC175-03-06.600A1-	6,6		24	79	34	36	8	☺
	DC175-03-06.700A1-	6,7		24	79	34	36	8	☺
	DC175-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☺
	DC175-03-06.800A1-	6,8		24	79	34	36	8	☺
	DC175-03-06.900A1-	6,9		24	79	34	36	8	☺
	DC175-03-07.000A1-	7		24	79	34	36	8	☺
	DC175-03-07.100A1-	7,1		29	79	41	36	8	☺
	DC175-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☺
	DC175-03-07.200A1-	7,2		29	79	41	36	8	☺
	DC175-03-07.300A1-	7,3		29	79	41	36	8	☺
	DC175-03-07.400A1-	7,4		29	79	41	36	8	☺
	DC175-03-07.500A1-	7,5		29	79	41	36	8	☺
	DC175-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☺
	DC175-03-07.600A1-	7,6		29	79	41	36	8	☺
	DC175-03-07.700A1-	7,7		29	79	41	36	8	☺
	DC175-03-07.800A1-	7,8		29	79	41	36	8	☺
	DC175-03-07.900A1-	7,9		29	79	41	36	8	☺
	DC175-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☺
	DC175-03-08.000A1-	8		29	79	41	36	8	☺
	DC175-03-08.100A1-	8,1		35	89	47	40	10	☺
	DC175-03-08.200A1-	8,2		35	89	47	40	10	☺
DC175-03-08.300A1-	8,3		35	89	47	40	10	☺	
DC175-03-08.334A1-	8,334	21/64"	35	89	47	40	10	☺	
DC175-03-08.400A1-	8,4		35	89	47	40	10	☺	
DC175-03-08.500A1-	8,5		35	89	47	40	10	☺	
DC175-03-08.600A1-	8,6		35	89	47	40	10	☺	
DC175-03-08.700A1-	8,7		35	89	47	40	10	☺	
DC175-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☺	
DC175-03-08.800A1-	8,8		35	89	47	40	10	☺	
DC175-03-08.900A1-	8,9		35	89	47	40	10	☺	
DC175-03-09.000A1-	9		35	89	47	40	10	☺	
DC175-03-09.100A1-	9,1		35	89	47	40	10	☺	
DC175-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☺	
DC175-03-09.200A1-	9,2		35	89	47	40	10	☺	

Ordering example for the grade WJ30RZ: DC175-03-03.000A1-WJ30RZ

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

B1

B1

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>	WJ30RZ
		m7 mm		mm	mm	mm	h6 mm		
	DC175-03-09.300A1-	9,3		35	89	47	40	10	☹
	DC175-03-09.400A1-	9,4		35	89	47	40	10	☹
	DC175-03-09.500A1-	9,5		35	89	47	40	10	☹
	DC175-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☹
	DC175-03-09.600A1-	9,6		35	89	47	40	10	☹
	DC175-03-09.700A1-	9,7		35	89	47	40	10	☹
	DC175-03-09.800A1-	9,8		35	89	47	40	10	☹
	DC175-03-09.900A1-	9,9		35	89	47	40	10	☹
	DC175-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☹
	DC175-03-10.000A1-	10		35	89	47	40	10	☹
	DC175-03-10.100A1-	10,1		40	102	55	45	12	☹
	DC175-03-10.200A1-	10,2		40	102	55	45	12	☹
	DC175-03-10.300A1-	10,3		40	102	55	45	12	☹
	DC175-03-10.319A1-	10,319	13/32"	40	102	55	45	12	☹
	DC175-03-10.400A1-	10,4		40	102	55	45	12	☹
	DC175-03-10.500A1-	10,5		40	102	55	45	12	☹
	DC175-03-10.600A1-	10,6		40	102	55	45	12	☹
	DC175-03-10.700A1-	10,7		40	102	55	45	12	☹
	DC175-03-10.716A1-	10,716	27/64"	40	102	55	45	12	☹
	DC175-03-10.800A1-	10,8		40	102	55	45	12	☹
	DC175-03-10.900A1-	10,9		40	102	55	45	12	☹
	DC175-03-11.000A1-	11		40	102	55	45	12	☹
	DC175-03-11.100A1-	11,1		40	102	55	45	12	☹
	DC175-03-11.113A1-	11,113	7/16"	40	102	55	45	12	☹
	DC175-03-11.200A1-	11,2		40	102	55	45	12	☹
	DC175-03-11.300A1-	11,3		40	102	55	45	12	☹
	DC175-03-11.400A1-	11,4		40	102	55	45	12	☹
	DC175-03-11.500A1-	11,5		40	102	55	45	12	☹
	DC175-03-11.509A1-	11,509	29/64"	40	102	55	45	12	☹
	DC175-03-11.600A1-	11,6		40	102	55	45	12	☹
	DC175-03-11.700A1-	11,7		40	102	55	45	12	☹
	DC175-03-11.800A1-	11,8		40	102	55	45	12	☹
	DC175-03-11.900A1-	11,9		40	102	55	45	12	☹
	DC175-03-12.000A1-	12		40	102	55	45	12	☹
	DC175-03-12.100A1-	12,1		43	107	60	45	14	☹
	DC175-03-12.200A1-	12,2		43	107	60	45	14	☹
	DC175-03-12.300A1-	12,3		43	107	60	45	14	☹
	DC175-03-12.303A1-	12,303	31/64"	43	107	60	45	14	☹
	DC175-03-12.500A1-	12,5		43	107	60	45	14	☹
	DC175-03-12.600A1-	12,6		43	107	60	45	14	☹
	DC175-03-12.700A1-	12,700	1/2"	43	107	60	45	14	☹
	DC175-03-12.900A1-	12,9		43	107	60	45	14	☹
	DC175-03-13.000A1-	13		43	107	60	45	14	☹
	DC175-03-13.100A1-	13,1		43	107	60	45	14	☹
	DC175-03-13.300A1-	13,3		43	107	60	45	14	☹
	DC175-03-13.494A1-	13,494	17/32"	43	107	60	45	14	☹

Ordering example for the grade WJ30RZ: DC175-03-03.000A1-WJ30RZ

**WALTER  
SELECT**

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



Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RZ
<p>DIN 6535 HA</p>	DC175-03-13.500A1-	13,5		43	107	60	45	14	☺
	DC175-03-13.800A1-	13,8		43	107	60	45	14	☺
	DC175-03-14.000A1-	14		43	107	60	45	14	☺
	DC175-03-14.200A1-	14,2		45	115	65	48	16	☺
	DC175-03-14.288A1-	14,288	9/16"	45	115	65	48	16	☺
	DC175-03-14.500A1-	14,5		45	115	65	48	16	☺
	DC175-03-14.750A1-	14,75		45	115	65	48	16	☺
	DC175-03-15.000A1-	15		45	115	65	48	16	☺
	DC175-03-15.100A1-	15,1		45	115	65	48	16	☺
	DC175-03-15.200A1-	15,2		45	115	65	48	16	☺
	DC175-03-15.300A1-	15,3		45	115	65	48	16	☺
	DC175-03-15.500A1-	15,5		45	115	65	48	16	☺
	DC175-03-15.800A1-	15,8		45	115	65	48	16	☺
	DC175-03-16.000A1-	16		45	115	65	48	16	☺
	DC175-03-16.500A1-	16,5		51	123	73	48	18	☺
	DC175-03-17.500A1-	17,5		51	123	73	48	18	☺
	DC175-03-18.000A1-	18		51	123	73	48	18	☺
	DC175-03-18.500A1-	18,5		55	131	79	50	20	☺
	DC175-03-19.000A1-	19		55	131	79	50	20	☺
	DC175-03-19.500A1-	19,5		55	131	79	50	20	☺
DC175-03-20.000A1-	20		55	131	79	50	20	☺	

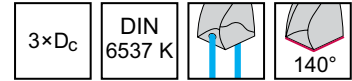
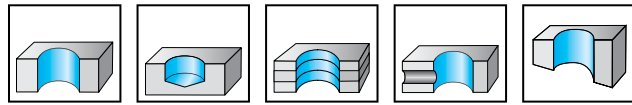
Ordering example for the grade WJ30RZ: DC175-03-03.000A1-WJ30RZ

B1

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

# Solid carbide drills with coolant-through

## DC170 Supreme



B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EJ
	DC170-03-03.000A1-	3		14	62	20	36	6	☺
	DC170-03-03.100A1-	3,1		14	62	20	36	6	☺
	DC170-03-03.175A1-	3,175	1/8"	14	62	20	36	6	☺
	DC170-03-03.200A1-	3,2		14	62	20	36	6	☺
	DC170-03-03.300A1-	3,3		14	62	20	36	6	☺
	DC170-03-03.400A1-	3,4		14	62	20	36	6	☺
	DC170-03-03.500A1-	3,5		14	62	20	36	6	☺
	DC170-03-03.572A1-	3,572	9/64"	14	62	20	36	6	☺
	DC170-03-03.600A1-	3,6		14	62	20	36	6	☺
	DC170-03-03.700A1-	3,7		14	62	20	36	6	☺
	DC170-03-03.800A1-	3,8		17	66	24	36	6	☺
	DC170-03-03.900A1-	3,9		17	66	24	36	6	☺
	DC170-03-03.969A1-	3,969	5/32"	17	66	24	36	6	☺
	DC170-03-04.000A1-	4		17	66	24	36	6	☺
	DC170-03-04.100A1-	4,1		17	66	24	36	6	☺
	DC170-03-04.200A1-	4,2		17	66	24	36	6	☺
	DC170-03-04.300A1-	4,3		17	66	24	36	6	☺
	DC170-03-04.366A1-	4,366	11/64"	17	66	24	36	6	☺
	DC170-03-04.400A1-	4,4		17	66	24	36	6	☺
	DC170-03-04.500A1-	4,5		17	66	24	36	6	☺
	DC170-03-04.600A1-	4,6		17	66	24	36	6	☺
	DC170-03-04.650A1-	4,65		17	66	24	36	6	☺
	DC170-03-04.700A1-	4,7		17	66	24	36	6	☺
	DC170-03-04.763A1-	4,763	3/16"	20	66	28	36	6	☺
	DC170-03-04.800A1-	4,8		20	66	28	36	6	☺
	DC170-03-04.900A1-	4,9		20	66	28	36	6	☺
	DC170-03-05.000A1-	5		20	66	28	36	6	☺
	DC170-03-05.100A1-	5,1		20	66	28	36	6	☺
	DC170-03-05.159A1-	5,159	13/64"	20	66	28	36	6	☺
	DC170-03-05.200A1-	5,2		20	66	28	36	6	☺
	DC170-03-05.300A1-	5,3		20	66	28	36	6	☺
	DC170-03-05.400A1-	5,4		20	66	28	36	6	☺
	DC170-03-05.500A1-	5,5		20	66	28	36	6	☺
	DC170-03-05.550A1-	5,55		20	66	28	36	6	☺
	DC170-03-05.556A1-	5,556	7/32"	20	66	28	36	6	☺
	DC170-03-05.600A1-	5,6		20	66	28	36	6	☺

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

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>	WJ30EJ
		m7 mm		mm	mm	mm	mm	h6 mm	
<p>DIN 6535 HA</p>	DC170-03-05.700A1-	5,7		20	66	28	36	6	☺
	DC170-03-05.800A1-	5,8		20	66	28	36	6	☺
	DC170-03-05.900A1-	5,9		20	66	28	36	6	☺
	DC170-03-05.953A1-	5,953	15/64"	20	66	28	36	6	☺
	DC170-03-06.000A1-	6		20	66	28	36	6	☺
	DC170-03-06.100A1-	6,1		24	79	34	36	8	☺
	DC170-03-06.200A1-	6,2		24	79	34	36	8	☺
	DC170-03-06.300A1-	6,3		24	79	34	36	8	☺
	DC170-03-06.350A1-	6,350	1/4"	24	79	34	36	8	☺
	DC170-03-06.400A1-	6,4		24	79	34	36	8	☺
	DC170-03-06.500A1-	6,5		24	79	34	36	8	☺
	DC170-03-06.600A1-	6,6		24	79	34	36	8	☺
	DC170-03-06.700A1-	6,7		24	79	34	36	8	☺
	DC170-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☺
	DC170-03-06.800A1-	6,8		24	79	34	36	8	☺
	DC170-03-06.900A1-	6,9		24	79	34	36	8	☺
	DC170-03-07.000A1-	7		24	79	34	36	8	☺
	DC170-03-07.100A1-	7,1		29	79	41	36	8	☺
	DC170-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☺
	DC170-03-07.200A1-	7,2		29	79	41	36	8	☺
	DC170-03-07.300A1-	7,3		29	79	41	36	8	☺
	DC170-03-07.400A1-	7,4		29	79	41	36	8	☺
	DC170-03-07.500A1-	7,5		29	79	41	36	8	☺
	DC170-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☺
	DC170-03-07.800A1-	7,8		29	79	41	36	8	☺
	DC170-03-07.900A1-	7,9		29	79	41	36	8	☺
	DC170-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☺
	DC170-03-08.000A1-	8		29	79	41	36	8	☺
	DC170-03-08.100A1-	8,1		35	89	47	40	10	☺
	DC170-03-08.200A1-	8,2		35	89	47	40	10	☺
	DC170-03-08.300A1-	8,3		35	89	47	40	10	☺
	DC170-03-08.500A1-	8,5		35	89	47	40	10	☺
	DC170-03-08.600A1-	8,6		35	89	47	40	10	☺
DC170-03-08.700A1-	8,7		35	89	47	40	10	☺	
DC170-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☺	
DC170-03-08.800A1-	8,8		35	89	47	40	10	☺	
DC170-03-09.000A1-	9		35	89	47	40	10	☺	
DC170-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☺	
DC170-03-09.200A1-	9,2		35	89	47	40	10	☺	
DC170-03-09.300A1-	9,3		35	89	47	40	10	☺	
DC170-03-09.500A1-	9,5		35	89	47	40	10	☺	
DC170-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☺	
DC170-03-09.600A1-	9,6		35	89	47	40	10	☺	
DC170-03-09.700A1-	9,7		35	89	47	40	10	☺	
DC170-03-09.800A1-	9,8		35	89	47	40	10	☺	
DC170-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☺	

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

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

B1

B1

Tool	Designation	D <sub>c</sub>	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	d <sub>1</sub> h6	WJ30EJ
		m7 mm						
DC170-03-10.000A1-		10	35	89	47	40	10	☺
DC170-03-10.100A1-		10,1	40	102	55	45	12	☺
DC170-03-10.200A1-		10,2	40	102	55	45	12	☺
DC170-03-10.300A1-		10,3	40	102	55	45	12	☺
DC170-03-10.319A1-		10,319	40	102	55	45	12	☺
DC170-03-10.400A1-		10,4	40	102	55	45	12	☺
DC170-03-10.500A1-		10,5	40	102	55	45	12	☺
DC170-03-10.716A1-		10,716	40	102	55	45	12	☺
DC170-03-10.800A1-		10,8	40	102	55	45	12	☺
DC170-03-11.000A1-		11	40	102	55	45	12	☺
DC170-03-11.100A1-		11,1	40	102	55	45	12	☺
DC170-03-11.113A1-		11,113	40	102	55	45	12	☺
DC170-03-11.200A1-		11,2	40	102	55	45	12	☺
DC170-03-11.500A1-		11,5	40	102	55	45	12	☺
DC170-03-11.509A1-		11,509	40	102	55	45	12	☺
DC170-03-11.700A1-		11,7	40	102	55	45	12	☺
DC170-03-11.800A1-		11,8	40	102	55	45	12	☺
DC170-03-12.000A1-		12	40	102	55	45	12	☺
DC170-03-12.100A1-		12,1	43	107	60	45	14	☺
DC170-03-12.200A1-		12,2	43	107	60	45	14	☺
DC170-03-12.300A1-		12,3	43	107	60	45	14	☺
DC170-03-12.500A1-		12,5	43	107	60	45	14	☺
DC170-03-12.600A1-		12,6	43	107	60	45	14	☺
DC170-03-12.700A1-		12,700	43	107	60	45	14	☺
DC170-03-13.000A1-		13	43	107	60	45	14	☺
DC170-03-13.300A1-		13,3	43	107	60	45	14	☺
DC170-03-13.494A1-		13,494	43	107	60	45	14	☺
DC170-03-13.500A1-		13,5	43	107	60	45	14	☺
DC170-03-14.000A1-		14	43	107	60	45	14	☺
DC170-03-14.288A1-		14,288	45	115	65	48	16	☺
DC170-03-14.500A1-		14,5	45	115	65	48	16	☺
DC170-03-15.000A1-		15	45	115	65	48	16	☺
DC170-03-15.875A1-		15,875	45	115	65	48	16	☺
DC170-03-16.000A1-		16	45	115	65	48	16	☺
DC170-03-16.500A1-		16,5	51	123	73	48	18	☺
DC170-03-17.000A1-		17	51	123	73	48	18	☺
DC170-03-17.500A1-		17,5	51	123	73	48	18	☺
DC170-03-18.000A1-		18	51	123	73	48	18	☺
DC170-03-19.050A1-		19,050	55	131	79	50	20	☺
DC170-03-20.000A1-		20	55	131	79	50	20	☺

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

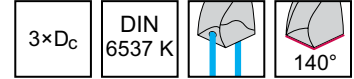
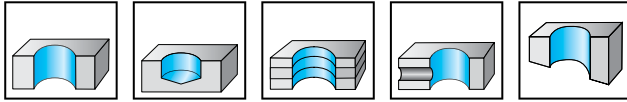
**WALTER  
SELECT**

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

# Solid carbide drills with coolant-through

## DC160 Advance

### X-treme Evo



	P	M	K	N	S	H	O
WJ30ET	●●	●	●●●	●●●	●●●	●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HA</p>	DC160-03-03.000A1-	3		14	62	20	36	6	☺
	DC160-03-03.100A1-	3,1		14	62	20	36	6	☺
	DC160-03-03.175A1-	3,175	1/8"	14	62	20	36	6	☺
	DC160-03-03.200A1-	3,2		14	62	20	36	6	☺
	DC160-03-03.250A1-	3,25		14	62	20	36	6	☺
	DC160-03-03.300A1-	3,3		14	62	20	36	6	☺
	DC160-03-03.400A1-	3,4		14	62	20	36	6	☺
	DC160-03-03.500A1-	3,5		14	62	20	36	6	☺
	DC160-03-03.572A1-	3,572	9/64"	14	62	20	36	6	☺
	DC160-03-03.600A1-	3,6		14	62	20	36	6	☺
	DC160-03-03.650A1-	3,65		14	62	20	36	6	☺
	DC160-03-03.700A1-	3,7		14	62	20	36	6	☺
	DC160-03-03.800A1-	3,8		17	66	24	36	6	☺
	DC160-03-03.900A1-	3,9		17	66	24	36	6	☺
	DC160-03-03.969A1-	3,969	5/32"	17	66	24	36	6	☺
	DC160-03-04.000A1-	4		17	66	24	36	6	☺
	DC160-03-04.100A1-	4,1		17	66	24	36	6	☺
	DC160-03-04.200A1-	4,2		17	66	24	36	6	☺
	DC160-03-04.300A1-	4,3		17	66	24	36	6	☺
	DC160-03-04.366A1-	4,366	11/64"	17	66	24	36	6	☺
	DC160-03-04.400A1-	4,4		17	66	24	36	6	☺
	DC160-03-04.500A1-	4,5		17	66	24	36	6	☺
	DC160-03-04.600A1-	4,6		17	66	24	36	6	☺
	DC160-03-04.650A1-	4,65		17	66	24	36	6	☺
	DC160-03-04.700A1-	4,7		17	66	24	36	6	☺
	DC160-03-04.763A1-	4,763	3/16"	20	66	28	36	6	☺
	DC160-03-04.800A1-	4,8		20	66	28	36	6	☺
	DC160-03-04.900A1-	4,9		20	66	28	36	6	☺
	DC160-03-05.000A1-	5		20	66	28	36	6	☺
	DC160-03-05.100A1-	5,1		20	66	28	36	6	☺
	DC160-03-05.159A1-	5,159	13/64"	20	66	28	36	6	☺
	DC160-03-05.200A1-	5,2		20	66	28	36	6	☺
	DC160-03-05.300A1-	5,3		20	66	28	36	6	☺
DC160-03-05.400A1-	5,4		20	66	28	36	6	☺	
DC160-03-05.500A1-	5,5		20	66	28	36	6	☺	
DC160-03-05.550A1-	5,55		20	66	28	36	6	☺	

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

**WALTER SELECT**

●● Primary application ● Other application

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

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HA</p>	DC160-03-05.556A1-	5,556	7/32"	20	66	28	36	6	☹
	DC160-03-05.600A1-	5,6		20	66	28	36	6	☹
	DC160-03-05.700A1-	5,7		20	66	28	36	6	☹
	DC160-03-05.800A1-	5,8		20	66	28	36	6	☹
	DC160-03-05.900A1-	5,9		20	66	28	36	6	☹
	DC160-03-05.953A1-	5,953	15/64"	20	66	28	36	6	☹
	DC160-03-06.000A1-	6		20	66	28	36	6	☹
	DC160-03-06.100A1-	6,1		24	79	34	36	8	☹
	DC160-03-06.200A1-	6,2		24	79	34	36	8	☹
	DC160-03-06.300A1-	6,3		24	79	34	36	8	☹
	DC160-03-06.350A1-	6,350	1/4"	24	79	34	36	8	☹
	DC160-03-06.400A1-	6,4		24	79	34	36	8	☹
	DC160-03-06.500A1-	6,5		24	79	34	36	8	☹
	DC160-03-06.600A1-	6,6		24	79	34	36	8	☹
	DC160-03-06.700A1-	6,7		24	79	34	36	8	☹
	DC160-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☹
	DC160-03-06.800A1-	6,8		24	79	34	36	8	☹
	DC160-03-06.900A1-	6,9		24	79	34	36	8	☹
	DC160-03-07.000A1-	7		24	79	34	36	8	☹
	DC160-03-07.100A1-	7,1		29	79	41	36	8	☹
	DC160-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☹
	DC160-03-07.200A1-	7,2		29	79	41	36	8	☹
	DC160-03-07.300A1-	7,3		29	79	41	36	8	☹
	DC160-03-07.400A1-	7,4		29	79	41	36	8	☹
	DC160-03-07.500A1-	7,5		29	79	41	36	8	☹
	DC160-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☹
	DC160-03-07.550A1-	7,55		29	79	41	36	8	☹
	DC160-03-07.600A1-	7,6		29	79	41	36	8	☹
	DC160-03-07.700A1-	7,7		29	79	41	36	8	☹
	DC160-03-07.800A1-	7,8		29	79	41	36	8	☹
	DC160-03-07.900A1-	7,9		29	79	41	36	8	☹
	DC160-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☹
	DC160-03-08.000A1-	8		29	79	41	36	8	☹
	DC160-03-08.100A1-	8,1		35	89	47	40	10	☹
DC160-03-08.200A1-	8,2		35	89	47	40	10	☹	
DC160-03-08.300A1-	8,3		35	89	47	40	10	☹	
DC160-03-08.334A1-	8,334	21/64"	35	89	47	40	10	☹	
DC160-03-08.400A1-	8,4		35	89	47	40	10	☹	
DC160-03-08.500A1-	8,5		35	89	47	40	10	☹	
DC160-03-08.600A1-	8,6		35	89	47	40	10	☹	
DC160-03-08.700A1-	8,7		35	89	47	40	10	☹	
DC160-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☹	
DC160-03-08.800A1-	8,8		35	89	47	40	10	☹	
DC160-03-08.900A1-	8,9		35	89	47	40	10	☹	
DC160-03-09.000A1-	9		35	89	47	40	10	☹	
DC160-03-09.100A1-	9,1		35	89	47	40	10	☹	

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30ET
		m7 mm		mm	mm	mm	mm	mm	
	DC160-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☹
	DC160-03-09.200A1-	9,2		35	89	47	40	10	☹
	DC160-03-09.300A1-	9,3		35	89	47	40	10	☹
	DC160-03-09.400A1-	9,4		35	89	47	40	10	☹
	DC160-03-09.500A1-	9,5		35	89	47	40	10	☹
	DC160-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☹
	DC160-03-09.550A1-	9,55		35	89	47	40	10	☹
	DC160-03-09.600A1-	9,6		35	89	47	40	10	☹
	DC160-03-09.700A1-	9,7		35	89	47	40	10	☹
	DC160-03-09.800A1-	9,8		35	89	47	40	10	☹
	DC160-03-09.900A1-	9,9		35	89	47	40	10	☹
	DC160-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☹
	DC160-03-10.000A1-	10		35	89	47	40	10	☹
	DC160-03-10.100A1-	10,1		40	102	55	45	12	☹
	DC160-03-10.200A1-	10,2		40	102	55	45	12	☹
	DC160-03-10.300A1-	10,3		40	102	55	45	12	☹
	DC160-03-10.319A1-	10,319	13/32"	40	102	55	45	12	☹
	DC160-03-10.400A1-	10,4		40	102	55	45	12	☹
	DC160-03-10.500A1-	10,5		40	102	55	45	12	☹
	DC160-03-10.600A1-	10,6		40	102	55	45	12	☹
	DC160-03-10.700A1-	10,7		40	102	55	45	12	☹
	DC160-03-10.716A1-	10,716	27/64"	40	102	55	45	12	☹
	DC160-03-10.800A1-	10,8		40	102	55	45	12	☹
	DC160-03-10.900A1-	10,9		40	102	55	45	12	☹
	DC160-03-11.000A1-	11		40	102	55	45	12	☹
	DC160-03-11.100A1-	11,1		40	102	55	45	12	☹
	DC160-03-11.113A1-	11,113	7/16"	40	102	55	45	12	☹
	DC160-03-11.200A1-	11,2		40	102	55	45	12	☹
	DC160-03-11.300A1-	11,3		40	102	55	45	12	☹
	DC160-03-11.400A1-	11,4		40	102	55	45	12	☹
	DC160-03-11.500A1-	11,5		40	102	55	45	12	☹
	DC160-03-11.509A1-	11,509	29/64"	40	102	55	45	12	☹
	DC160-03-11.550A1-	11,55		40	102	55	45	12	☹
	DC160-03-11.600A1-	11,6		40	102	55	45	12	☹
	DC160-03-11.700A1-	11,7		40	102	55	45	12	☹
	DC160-03-11.800A1-	11,8		40	102	55	45	12	☹
	DC160-03-11.900A1-	11,9		40	102	55	45	12	☹
	DC160-03-11.906A1-	11,906	15/32"	40	102	55	45	12	☹
	DC160-03-12.000A1-	12		40	102	55	45	12	☹
	DC160-03-12.100A1-	12,1		43	107	60	45	14	☹
	DC160-03-12.200A1-	12,2		43	107	60	45	14	☹
	DC160-03-12.250A1-	12,25		43	107	60	45	14	☹
	DC160-03-12.300A1-	12,3		43	107	60	45	14	☹
	DC160-03-12.303A1-	12,303	31/64"	43	107	60	45	14	☹
	DC160-03-12.400A1-	12,4		43	107	60	45	14	☹
	DC160-03-12.500A1-	12,5		43	107	60	45	14	☹

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

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

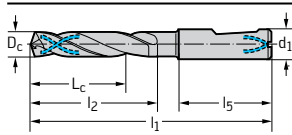
B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$h$	$l_2$	$l_5$	$d_1$	WJ30ET
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC160-03-12.600A1-	12,6		43	107	60	45	14	☹
	DC160-03-12.700A1-	12,700	1/2"	43	107	60	45	14	☹
	DC160-03-12.750A1-	12,75		43	107	60	45	14	☹
	DC160-03-12.800A1-	12,8		43	107	60	45	14	☹
	DC160-03-12.900A1-	12,9		43	107	60	45	14	☹
	DC160-03-13.000A1-	13		43	107	60	45	14	☹
	DC160-03-13.100A1-	13,1		43	107	60	45	14	☹
	DC160-03-13.200A1-	13,2		43	107	60	45	14	☹
	DC160-03-13.300A1-	13,3		43	107	60	45	14	☹
	DC160-03-13.400A1-	13,4		43	107	60	45	14	☹
	DC160-03-13.494A1-	13,494	17/32"	43	107	60	45	14	☹
	DC160-03-13.500A1-	13,5		43	107	60	45	14	☹
	DC160-03-13.600A1-	13,6		43	107	60	45	14	☹
	DC160-03-13.700A1-	13,7		43	107	60	45	14	☹
	DC160-03-13.800A1-	13,8		43	107	60	45	14	☹
	DC160-03-13.900A1-	13,9		43	107	60	45	14	☹
	DC160-03-14.000A1-	14		43	107	60	45	14	☹
	DC160-03-14.100A1-	14,1		45	115	65	48	16	☹
	DC160-03-14.200A1-	14,2		45	115	65	48	16	☹
	DC160-03-14.288A1-	14,288	9/16"	45	115	65	48	16	☹
	DC160-03-14.300A1-	14,3		45	115	65	48	16	☹
	DC160-03-14.400A1-	14,4		45	115	65	48	16	☹
	DC160-03-14.500A1-	14,5		45	115	65	48	16	☹
	DC160-03-14.600A1-	14,6		45	115	65	48	16	☹
	DC160-03-14.700A1-	14,7		45	115	65	48	16	☹
	DC160-03-14.800A1-	14,8		45	115	65	48	16	☹
	DC160-03-15.000A1-	15		45	115	65	48	16	☹
	DC160-03-15.100A1-	15,1		45	115	65	48	16	☹
	DC160-03-15.200A1-	15,2		45	115	65	48	16	☹
	DC160-03-15.300A1-	15,3		45	115	65	48	16	☹
	DC160-03-15.500A1-	15,5		45	115	65	48	16	☹
	DC160-03-15.600A1-	15,6		45	115	65	48	16	☹
	DC160-03-15.700A1-	15,7		45	115	65	48	16	☹
	DC160-03-15.800A1-	15,8		45	115	65	48	16	☹
DC160-03-15.875A1-	15,875	5/8"	45	115	65	48	16	☹	
DC160-03-15.900A1-	15,9		45	115	65	48	16	☹	
DC160-03-16.000A1-	16		45	115	65	48	16	☹	
DC160-03-16.100A1-	16,1		51	123	73	48	18	☹	
DC160-03-16.200A1-	16,2		51	123	73	48	18	☹	
DC160-03-16.300A1-	16,3		51	123	73	48	18	☹	
DC160-03-16.400A1-	16,4		51	123	73	48	18	☹	
DC160-03-16.500A1-	16,5		51	123	73	48	18	☹	
DC160-03-16.600A1-	16,6		51	123	73	48	18	☹	
DC160-03-16.700A1-	16,7		51	123	73	48	18	☹	
DC160-03-16.750A1-	16,75		51	123	73	48	18	☹	
DC160-03-16.800A1-	16,8		51	123	73	48	18	☹	

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



Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>	WJ30ET
		m7 mm		mm	mm	mm	mm	h6 mm	
	DC160-03-17.000A1-	17		51	123	73	48	18	☺
	DC160-03-17.200A1-	17,2		51	123	73	48	18	☺
	DC160-03-17.300A1-	17,3		51	123	73	48	18	☺
	DC160-03-17.500A1-	17,5		51	123	73	48	18	☺
	DC160-03-17.600A1-	17,6		51	123	73	48	18	☺
	DC160-03-17.700A1-	17,7		51	123	73	48	18	☺
	DC160-03-17.800A1-	17,8		51	123	73	48	18	☺
	DC160-03-18.000A1-	18		51	123	73	48	18	☺
	DC160-03-18.200A1-	18,2		55	131	79	50	20	☺
	DC160-03-18.500A1-	18,5		55	131	79	50	20	☺
	DC160-03-18.700A1-	18,7		55	131	79	50	20	☺
	DC160-03-18.800A1-	18,8		55	131	79	50	20	☺
	DC160-03-19.000A1-	19		55	131	79	50	20	☺
	DC160-03-19.050A1-	19,050	3/4"	55	131	79	50	20	☺
	DC160-03-19.500A1-	19,5		55	131	79	50	20	☺
	DC160-03-19.700A1-	19,7		55	131	79	50	20	☺
	DC160-03-19.800A1-	19,8		55	131	79	50	20	☺
	DC160-03-20.000A1-	20		55	131	79	50	20	☺
	DC160-03-03.000F1-	3		14	62	20	36	6	☺
	DC160-03-03.100F1-	3,1		14	62	20	36	6	☺
	DC160-03-03.200F1-	3,2		14	62	20	36	6	☺
	DC160-03-03.250F1-	3,25		14	62	20	36	6	☺
	DC160-03-03.300F1-	3,3		14	62	20	36	6	☺
	DC160-03-03.400F1-	3,4		14	62	20	36	6	☺
	DC160-03-03.500F1-	3,5		14	62	20	36	6	☺
	DC160-03-03.600F1-	3,6		14	62	20	36	6	☺
	DC160-03-03.650F1-	3,65		14	62	20	36	6	☺
	DC160-03-03.700F1-	3,7		14	62	20	36	6	☺
	DC160-03-03.800F1-	3,8		17	66	24	36	6	☺
	DC160-03-03.900F1-	3,9		17	66	24	36	6	☺
	DC160-03-04.000F1-	4		17	66	24	36	6	☺
	DC160-03-04.100F1-	4,1		17	66	24	36	6	☺
	DC160-03-04.200F1-	4,2		17	66	24	36	6	☺
	DC160-03-04.300F1-	4,3		17	66	24	36	6	☺
	DC160-03-04.400F1-	4,4		17	66	24	36	6	☺
	DC160-03-04.500F1-	4,5		17	66	24	36	6	☺
	DC160-03-04.600F1-	4,6		17	66	24	36	6	☺
	DC160-03-04.650F1-	4,65		17	66	24	36	6	☺
	DC160-03-04.700F1-	4,7		17	66	24	36	6	☺
	DC160-03-04.800F1-	4,8		20	66	28	36	6	☺
	DC160-03-04.900F1-	4,9		20	66	28	36	6	☺
	DC160-03-05.000F1-	5		20	66	28	36	6	☺
	DC160-03-05.100F1-	5,1		20	66	28	36	6	☺
	DC160-03-05.200F1-	5,2		20	66	28	36	6	☺
	DC160-03-05.300F1-	5,3		20	66	28	36	6	☺
	DC160-03-05.400F1-	5,4		20	66	28	36	6	☺



DIN 6535 HE

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

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

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30ET
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HE</p>	DC160-03-05.500F1-	5,5		20	66	28	36	6	☺☺
	DC160-03-05.550F1-	5,55		20	66	28	36	6	☺☺
	DC160-03-05.600F1-	5,6		20	66	28	36	6	☺☺
	DC160-03-05.700F1-	5,7		20	66	28	36	6	☺☺
	DC160-03-05.800F1-	5,8		20	66	28	36	6	☺☺
	DC160-03-05.900F1-	5,9		20	66	28	36	6	☺☺
	DC160-03-06.000F1-	6		20	66	28	36	6	☺☺
	DC160-03-06.100F1-	6,1		24	79	34	36	8	☺☺
	DC160-03-06.200F1-	6,2		24	79	34	36	8	☺☺
	DC160-03-06.300F1-	6,3		24	79	34	36	8	☺☺
	DC160-03-06.400F1-	6,4		24	79	34	36	8	☺☺
	DC160-03-06.500F1-	6,5		24	79	34	36	8	☺☺
	DC160-03-06.600F1-	6,6		24	79	34	36	8	☺☺
	DC160-03-06.700F1-	6,7		24	79	34	36	8	☺☺
	DC160-03-06.800F1-	6,8		24	79	34	36	8	☺☺
	DC160-03-06.900F1-	6,9		24	79	34	36	8	☺☺
	DC160-03-07.000F1-	7		24	79	34	36	8	☺☺
	DC160-03-07.100F1-	7,1		29	79	41	36	8	☺☺
	DC160-03-07.200F1-	7,2		29	79	41	36	8	☺☺
	DC160-03-07.300F1-	7,3		29	79	41	36	8	☺☺
	DC160-03-07.400F1-	7,4		29	79	41	36	8	☺☺
	DC160-03-07.500F1-	7,5		29	79	41	36	8	☺☺
	DC160-03-07.550F1-	7,55		29	79	41	36	8	☺☺
	DC160-03-07.600F1-	7,6		29	79	41	36	8	☺☺
	DC160-03-07.700F1-	7,7		29	79	41	36	8	☺☺
	DC160-03-07.800F1-	7,8		29	79	41	36	8	☺☺
	DC160-03-07.900F1-	7,9		29	79	41	36	8	☺☺
	DC160-03-08.000F1-	8		29	79	41	36	8	☺☺
	DC160-03-08.100F1-	8,1		35	89	47	40	10	☺☺
	DC160-03-08.200F1-	8,2		35	89	47	40	10	☺☺
	DC160-03-08.300F1-	8,3		35	89	47	40	10	☺☺
	DC160-03-08.400F1-	8,4		35	89	47	40	10	☺☺
	DC160-03-08.500F1-	8,5		35	89	47	40	10	☺☺
	DC160-03-08.600F1-	8,6		35	89	47	40	10	☺☺
	DC160-03-08.700F1-	8,7		35	89	47	40	10	☺☺
DC160-03-08.800F1-	8,8		35	89	47	40	10	☺☺	
DC160-03-08.900F1-	8,9		35	89	47	40	10	☺☺	
DC160-03-09.000F1-	9		35	89	47	40	10	☺☺	
DC160-03-09.100F1-	9,1		35	89	47	40	10	☺☺	
DC160-03-09.200F1-	9,2		35	89	47	40	10	☺☺	
DC160-03-09.300F1-	9,3		35	89	47	40	10	☺☺	
DC160-03-09.400F1-	9,4		35	89	47	40	10	☺☺	
DC160-03-09.500F1-	9,5		35	89	47	40	10	☺☺	
DC160-03-09.550F1-	9,55		35	89	47	40	10	☺☺	
DC160-03-09.600F1-	9,6		35	89	47	40	10	☺☺	
DC160-03-09.700F1-	9,7		35	89	47	40	10	☺☺	

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

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub>	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h6	WJ30ET	
		m7 mm							Inch/Nr
	DC160-03-09.800F1-	9,8	35	89	47	40	10	☺	
	DC160-03-09.900F1-	9,9	35	89	47	40	10	☺	
	DC160-03-10.000F1-	10	35	89	47	40	10	☺	
	DC160-03-10.100F1-	10,1	40	102	55	45	12	☺	
	DC160-03-10.200F1-	10,2	40	102	55	45	12	☺	
	DC160-03-10.300F1-	10,3	40	102	55	45	12	☺	
	DC160-03-10.400F1-	10,4	40	102	55	45	12	☺	
	DC160-03-10.500F1-	10,5	40	102	55	45	12	☺	
	DC160-03-10.600F1-	10,6	40	102	55	45	12	☺	
	DC160-03-10.700F1-	10,7	40	102	55	45	12	☺	
	DC160-03-10.800F1-	10,8	40	102	55	45	12	☺	
	DC160-03-10.900F1-	10,9	40	102	55	45	12	☺	
	DC160-03-11.000F1-	11	40	102	55	45	12	☺	
	DC160-03-11.100F1-	11,1	40	102	55	45	12	☺	
	DC160-03-11.200F1-	11,2	40	102	55	45	12	☺	
	DC160-03-11.300F1-	11,3	40	102	55	45	12	☺	
	DC160-03-11.400F1-	11,4	40	102	55	45	12	☺	
	DC160-03-11.500F1-	11,5	40	102	55	45	12	☺	
	DC160-03-11.550F1-	11,55	40	102	55	45	12	☺	
	DC160-03-11.600F1-	11,6	40	102	55	45	12	☺	
	DC160-03-11.700F1-	11,7	40	102	55	45	12	☺	
	DC160-03-11.800F1-	11,8	40	102	55	45	12	☺	
	DC160-03-11.900F1-	11,9	40	102	55	45	12	☺	
	DC160-03-12.000F1-	12	40	102	55	45	12	☺	
	DC160-03-12.100F1-	12,1	43	107	60	45	14	☺	
	DC160-03-12.200F1-	12,2	43	107	60	45	14	☺	
	DC160-03-12.250F1-	12,25	43	107	60	45	14	☺	
	DC160-03-12.300F1-	12,3	43	107	60	45	14	☺	
	DC160-03-12.400F1-	12,4	43	107	60	45	14	☺	
	DC160-03-12.500F1-	12,5	43	107	60	45	14	☺	
	DC160-03-12.600F1-	12,6	43	107	60	45	14	☺	
	DC160-03-12.700F1-	12,700	1/2"	43	107	60	45	14	☺
	DC160-03-12.750F1-	12,75	43	107	60	45	14	☺	
	DC160-03-12.800F1-	12,8	43	107	60	45	14	☺	
	DC160-03-12.900F1-	12,9	43	107	60	45	14	☺	
	DC160-03-13.000F1-	13	43	107	60	45	14	☺	
	DC160-03-13.100F1-	13,1	43	107	60	45	14	☺	
	DC160-03-13.200F1-	13,2	43	107	60	45	14	☺	
	DC160-03-13.300F1-	13,3	43	107	60	45	14	☺	
	DC160-03-13.400F1-	13,4	43	107	60	45	14	☺	
	DC160-03-13.500F1-	13,5	43	107	60	45	14	☺	
	DC160-03-13.600F1-	13,6	43	107	60	45	14	☺	
	DC160-03-13.700F1-	13,7	43	107	60	45	14	☺	
	DC160-03-13.800F1-	13,8	43	107	60	45	14	☺	
	DC160-03-13.900F1-	13,9	43	107	60	45	14	☺	
	DC160-03-14.000F1-	14	43	107	60	45	14	☺	

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

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

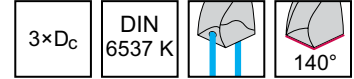
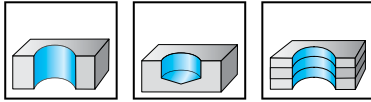
B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HE</p>	DC160-03-14.100F1-	14,1		45	115	65	48	16	☹
	DC160-03-14.200F1-	14,2		45	115	65	48	16	☹
	DC160-03-14.300F1-	14,3		45	115	65	48	16	☹
	DC160-03-14.400F1-	14,4		45	115	65	48	16	☹
	DC160-03-14.500F1-	14,5		45	115	65	48	16	☹
	DC160-03-14.600F1-	14,6		45	115	65	48	16	☹
	DC160-03-14.700F1-	14,7		45	115	65	48	16	☹
	DC160-03-14.750F1-	14,75		45	115	65	48	16	☹
	DC160-03-14.800F1-	14,8		45	115	65	48	16	☹
	DC160-03-15.000F1-	15		45	115	65	48	16	☹
	DC160-03-15.100F1-	15,1		45	115	65	48	16	☹
	DC160-03-15.200F1-	15,2		45	115	65	48	16	☹
	DC160-03-15.300F1-	15,3		45	115	65	48	16	☹
	DC160-03-15.500F1-	15,5		45	115	65	48	16	☹
	DC160-03-15.600F1-	15,6		45	115	65	48	16	☹
	DC160-03-15.700F1-	15,7		45	115	65	48	16	☹
	DC160-03-15.800F1-	15,8		45	115	65	48	16	☹
	DC160-03-15.900F1-	15,9		45	115	65	48	16	☹
	DC160-03-16.000F1-	16		45	115	65	48	16	☹
	DC160-03-16.100F1-	16,1		51	123	73	48	18	☹
	DC160-03-16.200F1-	16,2		51	123	73	48	18	☹
	DC160-03-16.300F1-	16,3		51	123	73	48	18	☹
	DC160-03-16.400F1-	16,4		51	123	73	48	18	☹
	DC160-03-16.500F1-	16,5		51	123	73	48	18	☹
	DC160-03-16.600F1-	16,6		51	123	73	48	18	☹
	DC160-03-16.700F1-	16,7		51	123	73	48	18	☹
	DC160-03-16.750F1-	16,75		51	123	73	48	18	☹
	DC160-03-16.800F1-	16,8		51	123	73	48	18	☹
	DC160-03-17.000F1-	17		51	123	73	48	18	☹
	DC160-03-17.200F1-	17,2		51	123	73	48	18	☹
	DC160-03-17.300F1-	17,3		51	123	73	48	18	☹
	DC160-03-17.500F1-	17,5		51	123	73	48	18	☹
	DC160-03-17.600F1-	17,6		51	123	73	48	18	☹
	DC160-03-17.700F1-	17,7		51	123	73	48	18	☹
	DC160-03-17.800F1-	17,8		51	123	73	48	18	☹
	DC160-03-18.000F1-	18		51	123	73	48	18	☹
	DC160-03-18.200F1-	18,2		55	131	79	50	20	☹
	DC160-03-18.500F1-	18,5		55	131	79	50	20	☹
	DC160-03-18.700F1-	18,7		55	131	79	50	20	☹
	DC160-03-18.800F1-	18,8		55	131	79	50	20	☹
DC160-03-19.000F1-	19		55	131	79	50	20	☹	
DC160-03-19.500F1-	19,5		55	131	79	50	20	☹	
DC160-03-19.700F1-	19,7		55	131	79	50	20	☹	
DC160-03-19.800F1-	19,8		55	131	79	50	20	☹	
DC160-03-20.000F1-	20		55	131	79	50	20	☹	

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

# Solid carbide drills with coolant-through

## DC150 Perform



	P	M	K	N	S	H	O
WJ30RE	●●	●	●●●	●●●	●●●	●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
<p>DIN 6535 HA</p>	DC150-03-03.000A1-	3		14	62	20	36	6	☺
	DC150-03-03.100A1-	3,1		14	62	20	36	6	☺
	DC150-03-03.175A1-	3,175	1/8"	14	62	20	36	6	☺
	DC150-03-03.200A1-	3,2		14	62	20	36	6	☺
	DC150-03-03.250A1-	3,25		14	62	20	36	6	☺
	DC150-03-03.300A1-	3,3		14	62	20	36	6	☺
	DC150-03-03.400A1-	3,4		14	62	20	36	6	☺
	DC150-03-03.500A1-	3,5		14	62	20	36	6	☺
	DC150-03-03.572A1-	3,572	9/64"	14	62	20	36	6	☺
	DC150-03-03.600A1-	3,6		14	62	20	36	6	☺
	DC150-03-03.650A1-	3,65		14	62	20	36	6	☺
	DC150-03-03.700A1-	3,7		14	62	20	36	6	☺
	DC150-03-03.800A1-	3,8		17	66	24	36	6	☺
	DC150-03-03.900A1-	3,9		17	66	24	36	6	☺
	DC150-03-03.969A1-	3,969	5/32"	17	66	24	36	6	☺
	DC150-03-04.000A1-	4		17	66	24	36	6	☺
	DC150-03-04.100A1-	4,1		17	66	24	36	6	☺
	DC150-03-04.200A1-	4,2		17	66	24	36	6	☺
	DC150-03-04.300A1-	4,3		17	66	24	36	6	☺
	DC150-03-04.366A1-	4,366	11/64"	17	66	24	36	6	☺
	DC150-03-04.400A1-	4,4		17	66	24	36	6	☺
	DC150-03-04.500A1-	4,5		17	66	24	36	6	☺
	DC150-03-04.600A1-	4,6		17	66	24	36	6	☺
	DC150-03-04.650A1-	4,65		17	66	24	36	6	☺
	DC150-03-04.700A1-	4,7		17	66	24	36	6	☺
	DC150-03-04.763A1-	4,763	3/16"	20	66	28	36	6	☺
	DC150-03-04.800A1-	4,8		20	66	28	36	6	☺
	DC150-03-04.900A1-	4,9		20	66	28	36	6	☺
	DC150-03-05.000A1-	5		20	66	28	36	6	☺
	DC150-03-05.100A1-	5,1		20	66	28	36	6	☺
	DC150-03-05.159A1-	5,159	13/64"	20	66	28	36	6	☺
	DC150-03-05.200A1-	5,2		20	66	28	36	6	☺
	DC150-03-05.300A1-	5,3		20	66	28	36	6	☺
DC150-03-05.400A1-	5,4		20	66	28	36	6	☺	
DC150-03-05.500A1-	5,5		20	66	28	36	6	☺	
DC150-03-05.550A1-	5,55		20	66	28	36	6	☺	

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

**WALTER SELECT**

●● Primary application ● Other application

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30RE
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC150-03-05.556A1-	5,556	7/32"	20	66	28	36	6	☹
	DC150-03-05.600A1-	5,6		20	66	28	36	6	☹
	DC150-03-05.700A1-	5,7		20	66	28	36	6	☹
	DC150-03-05.800A1-	5,8		20	66	28	36	6	☹
	DC150-03-05.900A1-	5,9		20	66	28	36	6	☹
	DC150-03-05.953A1-	5,953	15/64"	20	66	28	36	6	☹
	DC150-03-06.000A1-	6		20	66	28	36	6	☹
	DC150-03-06.100A1-	6,1		24	79	34	36	8	☹
	DC150-03-06.200A1-	6,2		24	79	34	36	8	☹
	DC150-03-06.300A1-	6,3		24	79	34	36	8	☹
	DC150-03-06.350A1-	6,350	1/4"	24	79	34	36	8	☹
	DC150-03-06.400A1-	6,4		24	79	34	36	8	☹
	DC150-03-06.500A1-	6,5		24	79	34	36	8	☹
	DC150-03-06.600A1-	6,6		24	79	34	36	8	☹
	DC150-03-06.700A1-	6,7		24	79	34	36	8	☹
	DC150-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☹
	DC150-03-06.800A1-	6,8		24	79	34	36	8	☹
	DC150-03-06.900A1-	6,9		24	79	34	36	8	☹
	DC150-03-07.000A1-	7		24	79	34	36	8	☹
	DC150-03-07.100A1-	7,1		29	79	41	36	8	☹
	DC150-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☹
	DC150-03-07.200A1-	7,2		29	79	41	36	8	☹
	DC150-03-07.300A1-	7,3		29	79	41	36	8	☹
	DC150-03-07.400A1-	7,4		29	79	41	36	8	☹
	DC150-03-07.500A1-	7,5		29	79	41	36	8	☹
	DC150-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☹
	DC150-03-07.600A1-	7,6		29	79	41	36	8	☹
	DC150-03-07.700A1-	7,7		29	79	41	36	8	☹
	DC150-03-07.800A1-	7,8		29	79	41	36	8	☹
	DC150-03-07.900A1-	7,9		29	79	41	36	8	☹
	DC150-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☹
	DC150-03-08.000A1-	8		29	79	41	36	8	☹
	DC150-03-08.100A1-	8,1		35	89	47	40	10	☹
	DC150-03-08.200A1-	8,2		35	89	47	40	10	☹
	DC150-03-08.300A1-	8,3		35	89	47	40	10	☹
DC150-03-08.334A1-	8,334	21/64"	35	89	47	40	10	☹	
DC150-03-08.400A1-	8,4		35	89	47	40	10	☹	
DC150-03-08.500A1-	8,5		35	89	47	40	10	☹	
DC150-03-08.600A1-	8,6		35	89	47	40	10	☹	
DC150-03-08.700A1-	8,7		35	89	47	40	10	☹	
DC150-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☹	
DC150-03-08.800A1-	8,8		35	89	47	40	10	☹	
DC150-03-08.900A1-	8,9		35	89	47	40	10	☹	
DC150-03-09.000A1-	9		35	89	47	40	10	☹	
DC150-03-09.100A1-	9,1		35	89	47	40	10	☹	
DC150-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☹	

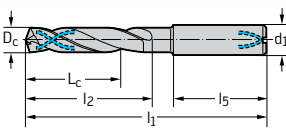
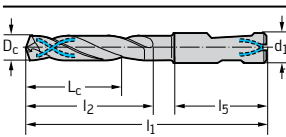
Ordering example for the grade WJ30RE: DC150-03-03.000A1-WJ30RE

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30RE
		m7 mm		mm	mm	mm	mm	mm	
	DC150-03-09.200A1-	9,2		35	89	47	40	10	☺
	DC150-03-09.300A1-	9,3		35	89	47	40	10	☺
	DC150-03-09.400A1-	9,4		35	89	47	40	10	☺
	DC150-03-09.500A1-	9,5		35	89	47	40	10	☺
	DC150-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☺
	DC150-03-09.600A1-	9,6		35	89	47	40	10	☺
	DC150-03-09.700A1-	9,7		35	89	47	40	10	☺
	DC150-03-09.800A1-	9,8		35	89	47	40	10	☺
	DC150-03-09.900A1-	9,9		35	89	47	40	10	☺
	DC150-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☺
	DC150-03-10.000A1-	10		35	89	47	40	10	☺
	DC150-03-10.100A1-	10,1		40	102	55	45	12	☺
	DC150-03-10.200A1-	10,2		40	102	55	45	12	☺
	DC150-03-10.300A1-	10,3		40	102	55	45	12	☺
	DC150-03-10.319A1-	10,319	13/32"	40	102	55	45	12	☺
	DC150-03-10.400A1-	10,4		40	102	55	45	12	☺
	DC150-03-10.500A1-	10,5		40	102	55	45	12	☺
	DC150-03-10.600A1-	10,6		40	102	55	45	12	☺
	DC150-03-10.700A1-	10,7		40	102	55	45	12	☺
	DC150-03-10.716A1-	10,716	27/64"	40	102	55	45	12	☺
	DC150-03-10.800A1-	10,8		40	102	55	45	12	☺
	DC150-03-10.900A1-	10,9		40	102	55	45	12	☺
	DC150-03-11.000A1-	11		40	102	55	45	12	☺
	DC150-03-11.100A1-	11,1		40	102	55	45	12	☺
	DC150-03-11.113A1-	11,113	7/16"	40	102	55	45	12	☺
	DC150-03-11.200A1-	11,2		40	102	55	45	12	☺
	DC150-03-11.300A1-	11,3		40	102	55	45	12	☺
	DC150-03-11.400A1-	11,4		40	102	55	45	12	☺
	DC150-03-11.500A1-	11,5		40	102	55	45	12	☺
	DC150-03-11.509A1-	11,509	29/64"	40	102	55	45	12	☺
	DC150-03-11.600A1-	11,6		40	102	55	45	12	☺
	DC150-03-11.700A1-	11,7		40	102	55	45	12	☺
	DC150-03-11.800A1-	11,8		40	102	55	45	12	☺
	DC150-03-11.900A1-	11,9		40	102	55	45	12	☺
	DC150-03-11.906A1-	11,906	15/32"	40	102	55	45	12	☺
	DC150-03-12.000A1-	12		40	102	55	45	12	☺
	DC150-03-12.100A1-	12,1		43	107	60	45	14	☺
	DC150-03-12.200A1-	12,2		43	107	60	45	14	☺
	DC150-03-12.300A1-	12,3		43	107	60	45	14	☺
	DC150-03-12.303A1-	12,303	31/64"	43	107	60	45	14	☺
	DC150-03-12.500A1-	12,5		43	107	60	45	14	☺
	DC150-03-12.600A1-	12,6		43	107	60	45	14	☺
	DC150-03-12.700A1-	12,700	1/2"	43	107	60	45	14	☺
	DC150-03-12.800A1-	12,8		43	107	60	45	14	☺
	DC150-03-12.900A1-	12,9		43	107	60	45	14	☺
	DC150-03-13.000A1-	13		43	107	60	45	14	☺

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

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

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
 <p>DIN 6535 HA</p>	DC150-03-13.100A1-	13,1		43	107	60	45	14	☹
	DC150-03-13.200A1-	13,2		43	107	60	45	14	☹
	DC150-03-13.300A1-	13,3		43	107	60	45	14	☹
	DC150-03-13.494A1-	13,494	17/32"	43	107	60	45	14	☹
	DC150-03-13.500A1-	13,5		43	107	60	45	14	☹
	DC150-03-13.800A1-	13,8		43	107	60	45	14	☹
	DC150-03-14.000A1-	14		43	107	60	45	14	☹
	DC150-03-14.100A1-	14,1		45	115	65	48	16	☹
	DC150-03-14.200A1-	14,2		45	115	65	48	16	☹
	DC150-03-14.288A1-	14,288	9/16"	45	115	65	48	16	☹
	DC150-03-14.500A1-	14,5		45	115	65	48	16	☹
	DC150-03-14.600A1-	14,6		45	115	65	48	16	☹
	DC150-03-14.700A1-	14,7		45	115	65	48	16	☹
	DC150-03-15.000A1-	15		45	115	65	48	16	☹
	DC150-03-15.100A1-	15,1		45	115	65	48	16	☹
	DC150-03-15.300A1-	15,3		45	115	65	48	16	☹
	DC150-03-15.500A1-	15,5		45	115	65	48	16	☹
	DC150-03-15.700A1-	15,7		45	115	65	48	16	☹
	DC150-03-15.800A1-	15,8		45	115	65	48	16	☹
	DC150-03-15.875A1-	15,875	5/8"	45	115	65	48	16	☹
DC150-03-16.000A1-	16		45	115	65	48	16	☹	
DC150-03-16.300A1-	16,3		51	123	73	48	18	☹	
DC150-03-16.500A1-	16,5		51	123	73	48	18	☹	
DC150-03-16.700A1-	16,7		51	123	73	48	18	☹	
DC150-03-17.000A1-	17		51	123	73	48	18	☹	
DC150-03-17.500A1-	17,5		51	123	73	48	18	☹	
DC150-03-18.000A1-	18		51	123	73	48	18	☹	
DC150-03-18.500A1-	18,5		55	131	79	50	20	☹	
DC150-03-19.000A1-	19		55	131	79	50	20	☹	
DC150-03-19.050A1-	19,050	3/4"	55	131	79	50	20	☹	
DC150-03-20.000A1-	20		55	131	79	50	20	☹	
 <p>DIN 6535 HE, turned 180° DIN 6535 HB</p>	DC150-03-03.000D1-	3		14	62	20	36	6	☹
	DC150-03-03.300D1-	3,3		14	62	20	36	6	☹
	DC150-03-03.400D1-	3,4		14	62	20	36	6	☹
	DC150-03-03.500D1-	3,5		14	62	20	36	6	☹
	DC150-03-03.700D1-	3,7		14	62	20	36	6	☹
	DC150-03-03.800D1-	3,8		17	66	24	36	6	☹
	DC150-03-04.000D1-	4		17	66	24	36	6	☹
	DC150-03-04.200D1-	4,2		17	66	24	36	6	☹
	DC150-03-04.300D1-	4,3		17	66	24	36	6	☹
	DC150-03-04.500D1-	4,5		17	66	24	36	6	☹
	DC150-03-04.800D1-	4,8		20	66	28	36	6	☹
	DC150-03-05.000D1-	5		20	66	28	36	6	☹
	DC150-03-05.100D1-	5,1		20	66	28	36	6	☹
	DC150-03-05.300D1-	5,3		20	66	28	36	6	☹
	DC150-03-05.500D1-	5,5		20	66	28	36	6	☹

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



Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE	
	DC150-03-06.000D1-	6		20	66	28	36	6	☺	
	DC150-03-06.500D1-	6,5		24	79	34	36	8	☺	
	DC150-03-06.700D1-	6,7		24	79	34	36	8	☺	
	DC150-03-06.800D1-	6,8		24	79	34	36	8	☺	
	DIN 6535 HE, turned 180° DIN 6535 HB	DC150-03-07.000D1-	7		24	79	34	36	8	☺
	DC150-03-07.500D1-	7,5		29	79	41	36	8	☺	
	DC150-03-07.800D1-	7,8		29	79	41	36	8	☺	
	DC150-03-08.000D1-	8		29	79	41	36	8	☺	
	DC150-03-08.500D1-	8,5		35	89	47	40	10	☺	
	DC150-03-08.600D1-	8,6		35	89	47	40	10	☺	
	DC150-03-08.800D1-	8,8		35	89	47	40	10	☺	
	DC150-03-09.000D1-	9		35	89	47	40	10	☺	
	DC150-03-10.000D1-	10		35	89	47	40	10	☺	
	DC150-03-10.200D1-	10,2		40	102	55	45	12	☺	
	DC150-03-10.300D1-	10,3		40	102	55	45	12	☺	
	DC150-03-10.500D1-	10,5		40	102	55	45	12	☺	
	DC150-03-10.800D1-	10,8		40	102	55	45	12	☺	
	DC150-03-11.000D1-	11		40	102	55	45	12	☺	
	DC150-03-11.800D1-	11,8		40	102	55	45	12	☺	
	DC150-03-12.000D1-	12		40	102	55	45	12	☺	
DC150-03-12.200D1-	12,2		43	107	60	45	14	☺		
DC150-03-12.500D1-	12,5		43	107	60	45	14	☺		
DC150-03-13.000D1-	13		43	107	60	45	14	☺		
DC150-03-14.000D1-	14		43	107	60	45	14	☺		
DC150-03-15.000D1-	15		45	115	65	48	16	☺		
DC150-03-15.500D1-	15,5		45	115	65	48	16	☺		
DC150-03-16.000D1-	16		45	115	65	48	16	☺		
DC150-03-16.500D1-	16,5		51	123	73	48	18	☺		
DC150-03-17.000D1-	17		51	123	73	48	18	☺		
DC150-03-17.500D1-	17,5		51	123	73	48	18	☺		
DC150-03-18.000D1-	18		51	123	73	48	18	☺		
DC150-03-19.000D1-	19		55	131	79	50	20	☺		
DC150-03-20.000D1-	20		55	131	79	50	20	☺		

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

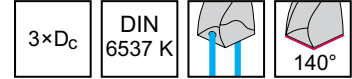
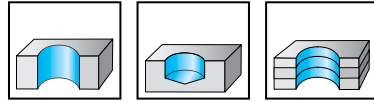
●● Primary application   ● Other application  
 Best tool for → Good = ☺   → Average = ☹   → Poor = ☹☹ machining conditions

B1

# Solid carbide drills with coolant-through

## A3289DPL

### X-treme Plus



B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
	A3289DPL-3	3		14	62	20	36	6
	A3289DPL-3.1	3,1		14	62	20	36	6
	A3289DPL-1/8IN	3,175	1/8"	14	62	20	36	6
	A3289DPL-3.2	3,2		14	62	20	36	6
	A3289DPL-3.3	3,3		14	62	20	36	6
	A3289DPL-3.4	3,4		14	62	20	36	6
	A3289DPL-3.5	3,5		14	62	20	36	6
	A3289DPL-9/64IN	3,572	9/64"	14	62	20	36	6
	A3289DPL-3.6	3,6		14	62	20	36	6
	A3289DPL-3.7	3,7		14	62	20	36	6
	A3289DPL-3.8	3,8		17	66	24	36	6
	A3289DPL-3.9	3,9		17	66	24	36	6
	A3289DPL-5/32IN	3,969	5/32"	17	66	24	36	6
	A3289DPL-4	4		17	66	24	36	6
	A3289DPL-4.1	4,1		17	66	24	36	6
	A3289DPL-4.2	4,2		17	66	24	36	6
	A3289DPL-4.3	4,3		17	66	24	36	6
	A3289DPL-11/64IN	4,366	11/64"	17	66	24	36	6
	A3289DPL-4.4	4,4		17	66	24	36	6
	A3289DPL-4.5	4,5		17	66	24	36	6
	A3289DPL-4.6	4,6		17	66	24	36	6
	A3289DPL-4.65	4,65		17	66	24	36	6
	A3289DPL-4.7	4,7		17	66	24	36	6
	A3289DPL-3/16IN	4,763	3/16"	20	66	28	36	6
	A3289DPL-4.8	4,8		20	66	28	36	6
	A3289DPL-4.9	4,9		20	66	28	36	6
	A3289DPL-5	5		20	66	28	36	6
	A3289DPL-5.1	5,1		20	66	28	36	6
	A3289DPL-13/64IN	5,159	13/64"	20	66	28	36	6
	A3289DPL-5.2	5,2		20	66	28	36	6
	A3289DPL-5.3	5,3		20	66	28	36	6
	A3289DPL-5.4	5,4		20	66	28	36	6
	A3289DPL-5.5	5,5		20	66	28	36	6
	A3289DPL-5.55	5,55		20	66	28	36	6
	A3289DPL-7/32IN	5,556	7/32"	20	66	28	36	6
	A3289DPL-5.6	5,6		20	66	28	36	6

DIN 6535 HA

**WALTER  
SELECT**

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$
		m7 mm		mm	mm	mm	mm	h6 mm
<p>DIN 6535 HA</p>	A3289DPL-5.7	5,7		20	66	28	36	6
	A3289DPL-5.8	5,8		20	66	28	36	6
	A3289DPL-5.9	5,9		20	66	28	36	6
	A3289DPL-15/64IN	5,953	15/64"	20	66	28	36	6
	A3289DPL-6	6		20	66	28	36	6
	A3289DPL-6.1	6,1		24	79	34	36	8
	A3289DPL-6.2	6,2		24	79	34	36	8
	A3289DPL-6.3	6,3		24	79	34	36	8
	A3289DPL-1/4IN	6,350	1/4"	24	79	34	36	8
	A3289DPL-6.4	6,4		24	79	34	36	8
	A3289DPL-6.5	6,5		24	79	34	36	8
	A3289DPL-6.6	6,6		24	79	34	36	8
	A3289DPL-6.7	6,7		24	79	34	36	8
	A3289DPL-17/64IN	6,747	17/64"	24	79	34	36	8
	A3289DPL-6.8	6,8		24	79	34	36	8
	A3289DPL-6.9	6,9		24	79	34	36	8
	A3289DPL-7	7		24	79	34	36	8
	A3289DPL-7.1	7,1		29	79	41	36	8
	A3289DPL-9/32IN	7,144	9/32"	29	79	41	36	8
	A3289DPL-7.2	7,2		29	79	41	36	8
	A3289DPL-7.3	7,3		29	79	41	36	8
	A3289DPL-7.4	7,4		29	79	41	36	8
	A3289DPL-7.5	7,5		29	79	41	36	8
	A3289DPL-19/64IN	7,541	19/64"	29	79	41	36	8
	A3289DPL-7.8	7,8		29	79	41	36	8
	A3289DPL-7.9	7,9		29	79	41	36	8
	A3289DPL-5/16IN	7,938	5/16"	29	79	41	36	8
	A3289DPL-8	8		29	79	41	36	8
	A3289DPL-8.1	8,1		35	89	47	40	10
	A3289DPL-8.2	8,2		35	89	47	40	10
	A3289DPL-8.3	8,3		35	89	47	40	10
	A3289DPL-21/64IN	8,334	21/64"	35	89	47	40	10
	A3289DPL-8.4	8,4		35	89	47	40	10
A3289DPL-8.5	8,5		35	89	47	40	10	
A3289DPL-8.6	8,6		35	89	47	40	10	
A3289DPL-8.7	8,7		35	89	47	40	10	
A3289DPL-11/32IN	8,731	11/32"	35	89	47	40	10	
A3289DPL-8.8	8,8		35	89	47	40	10	
A3289DPL-9	9		35	89	47	40	10	
A3289DPL-23/64IN	9,128	23/64"	35	89	47	40	10	
A3289DPL-9.2	9,2		35	89	47	40	10	
A3289DPL-9.3	9,3		35	89	47	40	10	
A3289DPL-9.5	9,5		35	89	47	40	10	
A3289DPL-3/8IN	9,525	3/8"	35	89	47	40	10	
A3289DPL-9.6	9,6		35	89	47	40	10	
A3289DPL-9.7	9,7		35	89	47	40	10	

B1

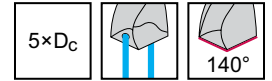
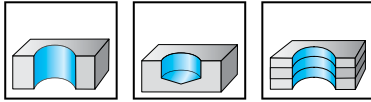
●● Primary application   ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>
		m7 mm		mm	mm	mm	mm	h6 mm
	A3289DPL-9.8	9,8		35	89	47	40	10
	A3289DPL-25/64IN	9,922	25/64"	35	89	47	40	10
	A3289DPL-10	10		35	89	47	40	10
	A3289DPL-10.1	10,1		40	102	55	45	12
	A3289DPL-10.2	10,2		40	102	55	45	12
	A3289DPL-10.3	10,3		40	102	55	45	12
	A3289DPL-13/32IN	10,319	13/32"	40	102	55	45	12
	A3289DPL-10.4	10,4		40	102	55	45	12
	A3289DPL-10.5	10,5		40	102	55	45	12
	A3289DPL-27/64IN	10,716	27/64"	40	102	55	45	12
	A3289DPL-10.8	10,8		40	102	55	45	12
	A3289DPL-11	11		40	102	55	45	12
	A3289DPL-11.1	11,1		40	102	55	45	12
	A3289DPL-7/16IN	11,113	7/16"	40	102	55	45	12
	A3289DPL-11.2	11,2		40	102	55	45	12
	A3289DPL-11.5	11,5		40	102	55	45	12
	A3289DPL-29/64IN	11,509	29/64"	40	102	55	45	12
	A3289DPL-11.7	11,7		40	102	55	45	12
	A3289DPL-11.8	11,8		40	102	55	45	12
	A3289DPL-15/32IN	11,906	15/32"	40	102	55	45	12
	A3289DPL-12	12		40	102	55	45	12
	A3289DPL-12.1	12,1		43	107	60	45	14
	A3289DPL-12.2	12,2		43	107	60	45	14
	A3289DPL-12.3	12,3		43	107	60	45	14
	A3289DPL-31/64IN	12,303	31/64"	43	107	60	45	14
	A3289DPL-12.5	12,5		43	107	60	45	14
	A3289DPL-12.6	12,6		43	107	60	45	14
	A3289DPL-1/2IN	12,700	1/2"	43	107	60	45	14
	A3289DPL-13	13		43	107	60	45	14
	A3289DPL-13.3	13,3		43	107	60	45	14
	A3289DPL-17/32IN	13,494	17/32"	43	107	60	45	14
	A3289DPL-13.5	13,5		43	107	60	45	14
	A3289DPL-14	14		43	107	60	45	14
	A3289DPL-9/16IN	14,288	9/16"	45	115	65	48	16
	A3289DPL-14.5	14,5		45	115	65	48	16
	A3289DPL-15	15		45	115	65	48	16
	A3289DPL-15.5	15,5		45	115	65	48	16
	A3289DPL-5/8IN	15,875	5/8"	45	115	65	48	16
	A3289DPL-16	16		45	115	65	48	16
	A3289DPL-16.5	16,5		51	123	73	48	18
	A3289DPL-17	17		51	123	73	48	18
	A3289DPL-17.5	17,5		51	123	73	48	18
	A3289DPL-18	18		51	123	73	48	18
	A3289DPL-3/4IN	19,050	3/4"	55	131	79	50	20
	A3289DPL-20	20		55	131	79	50	20

B1

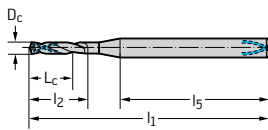
# Solid carbide micro drills with coolant-through

## DB133 Supreme



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

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EL
DB133-05-00.700A1-	0,7		4,9	48	6	35	3	☺
DB133-05-00.750A1-	0,75		5,8	48	7	34	3	☺
DB133-05-00.794A1-	0,794	1/32"	5,8	48	7	34	3	☺
DB133-05-00.800A1-	0,8		5,8	48	7	34	3	☺
DB133-05-00.850A1-	0,85		6,6	50	8	35	3	☺
DB133-05-00.900A1-	0,9		6,6	50	8	35	3	☺
DB133-05-00.950A1-	0,95		7,5	50	9	34	3	☺
DB133-05-01.000A1-	1		7,5	50	9	34	3	☺
DB133-05-01.050A1-	1,05		7	51	9	36	3	☺
DB133-05-01.100A1-	1,1		7	51	9	36	3	☺
DB133-05-01.150A1-	1,15		8	51	10	35	3	☺
DB133-05-01.191A1-	1,191	3/64"	8	51	10	35	3	☺
DB133-05-01.200A1-	1,2		8	51	10	35	3	☺
DB133-05-01.250A1-	1,25		9	51	11	34	3	☺
DB133-05-01.300A1-	1,3		9	53	11	36	3	☺
DB133-05-01.350A1-	1,35		9	53	12	35	3	☺
DB133-05-01.400A1-	1,4		9	53	12	35	3	☺
DB133-05-01.450A1-	1,45		10	53	13	34	3	☺
DB133-05-01.500A1-	1,5		10	53	13	34	3	☺
DB133-05-01.550A1-	1,55		11	54	14	35	3	☺
DB133-05-01.588A1-	1,588	1/16"	11	54	14	35	3	☺
DB133-05-01.600A1-	1,6		11	54	14	35	3	☺
DB133-05-01.650A1-	1,65		11	54	14	35	3	☺
DB133-05-01.700A1-	1,7		11	54	14	35	3	☺
DB133-05-01.750A1-	1,75		12	54	15	34	3	☺
DB133-05-01.800A1-	1,8		12	54	15	34	3	☺
DB133-05-01.850A1-	1,85		13	57	16	36	3	☺
DB133-05-01.900A1-	1,9		13	57	16	36	3	☺
DB133-05-01.950A1-	1,95		14	57	17	35	3	☺
DB133-05-01.984A1-	1,984	5/64"	14	57	17	35	3	☺
DB133-05-02.000A1-	2		14	57	17	35	3	☺
DB133-05-02.050A1-	2,05		14	57	18	35	3	☺
DB133-05-02.100A1-	2,1		14	57	18	35	3	☺
DB133-05-02.150A1-	2,15		15	57	19	34	3	☺
DB133-05-02.200A1-	2,2		15	57	19	34	3	☺
DB133-05-02.250A1-	2,25		16	59	20	35	3	☺

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

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

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

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30EL
<p>DIN 6535 HA</p>	DB133-05-02.300A1-	2,3		16	59	20	35	3	☺
	DB133-05-02.350A1-	2,35		16	59	20	35	3	☺
	DB133-05-02.381A1-	2,381	3/32"	16	59	20	35	3	☺
	DB133-05-02.400A1-	2,4		16	59	20	35	3	☺
	DB133-05-02.450A1-	2,45		17	59	21	34	3	☺
	DB133-05-02.500A1-	2,5		17	59	21	34	3	☺
	DB133-05-02.550A1-	2,55		18	62	22	36	3	☺
	DB133-05-02.600A1-	2,6		18	62	22	36	3	☺
	DB133-05-02.650A1-	2,65		18	62	23	36	3	☺
	DB133-05-02.700A1-	2,7		18	62	23	36	3	☺
	DB133-05-02.750A1-	2,75		19	62	24	35	3	☺
	DB133-05-02.778A1-	2,778	7/64"	19	62	24	35	3	☺
	DB133-05-02.800A1-	2,8		19	62	24	35	3	☺
	DB133-05-02.850A1-	2,85		20	62	25	34	3	☺
	DB133-05-02.900A1-	2,9		20	62	25	34	3	☺
	DB133-05-02.950A1-	2,95		20	62	25	34	3	☺

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

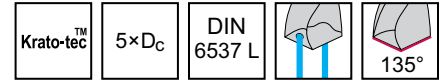
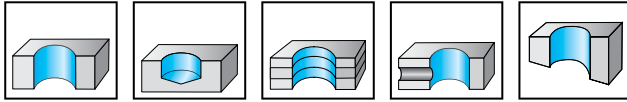
# Solid carbide twist drill 3 flutes

## DC183 Supreme

### X-treme Evo 3



– with innovative Krato-tec™ multilayer coating



WJ30EZ	P	M	K	N	S	H	O
	●●	●	●●	●●	●		

B1

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

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

**WALTER SELECT**

●● Primary application ● Other application

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

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

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

**WALTER  
SELECT**

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



Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30EZ
		m7 mm		mm	mm	mm	mm	mm	
	DC183-05-15.300A1-	15,3		63	133	83	48	16	☺
	DC183-05-15.500A1-	15,5		63	133	83	48	16	☺
	DC183-05-15.800A1-	15,8		63	133	83	48	16	☺
	DC183-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☺
	DC183-05-16.000A1-	16		63	133	83	48	16	☺

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

B1

**WALTER SELECT**

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

# Solid carbide drills with coolant-through

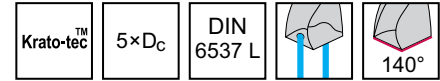
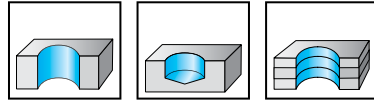
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec™



– with innovative Krato-tec™ multilayer coating



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

B1

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

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

**WALTER SELECT**

●● Primary application ● Other application

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

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

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

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

B1

B1

Tool	Designation	D <sub>c</sub>	L <sub>c</sub>	h	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30EZ
		m7 mm						
	DC180-05-09.600A1-	9,6	49	103	61	40	10	☹
	DC180-05-09.700A1-	9,7	49	103	61	40	10	☹
	DC180-05-09.800A1-	9,8	49	103	61	40	10	☹
	DC180-05-09.900A1-	9,9	49	103	61	40	10	☹
	DC180-05-09.922A1-	9,922	49	103	61	40	10	☹
	DC180-05-10.000A1-	10	49	103	61	40	10	☹
	DC180-05-10.100A1-	10,1	56	118	71	45	12	☹
	DC180-05-10.200A1-	10,2	56	118	71	45	12	☹
	DC180-05-10.300A1-	10,3	56	118	71	45	12	☹
	DC180-05-10.319A1-	10,319	56	118	71	45	12	☹
	DC180-05-10.400A1-	10,4	56	118	71	45	12	☹
	DC180-05-10.500A1-	10,5	56	118	71	45	12	☹
	DC180-05-10.716A1-	10,716	56	118	71	45	12	☹
	DC180-05-10.800A1-	10,8	56	118	71	45	12	☹
	DC180-05-11.000A1-	11	56	118	71	45	12	☹
	DC180-05-11.100A1-	11,1	56	118	71	45	12	☹
	DC180-05-11.113A1-	11,113	56	118	71	45	12	☹
	DC180-05-11.200A1-	11,2	56	118	71	45	12	☹
	DC180-05-11.300A1-	11,3	56	118	71	45	12	☹
	DC180-05-11.400A1-	11,4	56	118	71	45	12	☹
	DC180-05-11.500A1-	11,5	56	118	71	45	12	☹
	DC180-05-11.509A1-	11,509	56	118	71	45	12	☹
	DC180-05-11.700A1-	11,7	56	118	71	45	12	☹
	DC180-05-11.800A1-	11,8	56	118	71	45	12	☹
	DC180-05-11.906A1-	11,906	56	118	71	45	12	☹
	DC180-05-12.000A1-	12	56	118	71	45	12	☹
	DC180-05-12.100A1-	12,1	60	124	77	45	14	☹
	DC180-05-12.200A1-	12,2	60	124	77	45	14	☹
	DC180-05-12.300A1-	12,3	60	124	77	45	14	☹
	DC180-05-12.303A1-	12,303	60	124	77	45	14	☹
	DC180-05-12.500A1-	12,5	60	124	77	45	14	☹
	DC180-05-12.600A1-	12,6	60	124	77	45	14	☹
	DC180-05-12.700A1-	12,700	60	124	77	45	14	☹
	DC180-05-13.000A1-	13	60	124	77	45	14	☹
	DC180-05-13.100A1-	13,1	60	124	77	45	14	☹
	DC180-05-13.300A1-	13,3	60	124	77	45	14	☹
	DC180-05-13.494A1-	13,494	60	124	77	45	14	☹
	DC180-05-13.500A1-	13,5	60	124	77	45	14	☹
	DC180-05-14.000A1-	14	60	124	77	45	14	☹
	DC180-05-14.288A1-	14,288	63	133	83	48	16	☹
	DC180-05-14.500A1-	14,5	63	133	83	48	16	☹
	DC180-05-15.000A1-	15	63	133	83	48	16	☹
	DC180-05-15.100A1-	15,1	63	133	83	48	16	☹
	DC180-05-15.300A1-	15,3	63	133	83	48	16	☹
	DC180-05-15.500A1-	15,5	63	133	83	48	16	☹
	DC180-05-15.875A1-	15,875	63	133	83	48	16	☹

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

**WALTER  
SELECT**

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

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

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

B1

**WALTER SELECT**

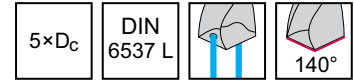
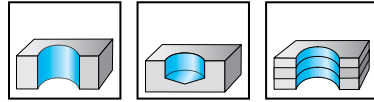
 ●● Primary application   ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions

# Solid carbide twist drill

## DC175 Supreme



- Walter Precision cooling



B1

	P	M	K	N	S	H	O
WJ30RZ	●	●●	●	●	●●	●	●

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RZ
<p>DIN 6535 HA</p>	DC175-05-03.000A1-	3		19	66	24	36	6	☹
	DC175-05-03.100A1-	3,1		19	66	24	36	6	☹
	DC175-05-03.175A1-	3,175	1/8"	19	66	24	36	6	☹
	DC175-05-03.200A1-	3,2		19	66	24	36	6	☹
	DC175-05-03.250A1-	3,25		19	66	24	36	6	☹
	DC175-05-03.300A1-	3,3		19	66	24	36	6	☹
	DC175-05-03.400A1-	3,4		19	66	24	36	6	☹
	DC175-05-03.500A1-	3,5		19	66	24	36	6	☹
	DC175-05-03.572A1-	3,572	9/64"	19	66	24	36	6	☹
	DC175-05-03.600A1-	3,6		19	66	24	36	6	☹
	DC175-05-03.700A1-	3,7		19	66	24	36	6	☹
	DC175-05-03.800A1-	3,8		29	74	36	36	6	☹
	DC175-05-03.900A1-	3,9		29	74	36	36	6	☹
	DC175-05-03.969A1-	3,969	5/32"	29	74	36	36	6	☹
	DC175-05-04.000A1-	4		29	74	36	36	6	☹
	DC175-05-04.100A1-	4,1		29	74	36	36	6	☹
	DC175-05-04.200A1-	4,2		29	74	36	36	6	☹
	DC175-05-04.300A1-	4,3		29	74	36	36	6	☹
	DC175-05-04.366A1-	4,366	11/64"	29	74	36	36	6	☹
	DC175-05-04.400A1-	4,4		29	74	36	36	6	☹
	DC175-05-04.500A1-	4,5		29	74	36	36	6	☹
	DC175-05-04.600A1-	4,6		29	74	36	36	6	☹
	DC175-05-04.650A1-	4,65		29	74	36	36	6	☹
	DC175-05-04.700A1-	4,7		29	74	36	36	6	☹
	DC175-05-04.763A1-	4,763	3/16"	35	82	44	36	6	☹
	DC175-05-04.800A1-	4,8		35	82	44	36	6	☹
	DC175-05-04.900A1-	4,9		35	82	44	36	6	☹
	DC175-05-05.000A1-	5		35	82	44	36	6	☹
	DC175-05-05.100A1-	5,1		35	82	44	36	6	☹
	DC175-05-05.159A1-	5,159	13/64"	35	82	44	36	6	☹
	DC175-05-05.200A1-	5,2		35	82	44	36	6	☹
	DC175-05-05.300A1-	5,3		35	82	44	36	6	☹
DC175-05-05.400A1-	5,4		35	82	44	36	6	☹	
DC175-05-05.500A1-	5,5		35	82	44	36	6	☹	
DC175-05-05.550A1-	5,55		35	82	44	36	6	☹	

With diameters of 3–3.75, overall length in accordance with DIN 6537 L, flutes shortened compared to DIN 6537 L | Ordering example for the grade WJ30RZ: DC175-05-03.000A1-WJ30RZ

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30RZ
		m7 mm		mm	mm	mm	mm	mm	
<p>DIN 6535 HA</p>	DC175-05-05.556A1-	5,556	7/32"	35	82	44	36	6	☺
	DC175-05-05.600A1-	5,6		35	82	44	36	6	☺
	DC175-05-05.700A1-	5,7		35	82	44	36	6	☺
	DC175-05-05.800A1-	5,8		35	82	44	36	6	☺
	DC175-05-05.900A1-	5,9		35	82	44	36	6	☺
	DC175-05-05.953A1-	5,953	15/64"	35	82	44	36	6	☺
	DC175-05-06.000A1-	6		35	82	44	36	6	☺
	DC175-05-06.100A1-	6,1		43	91	53	36	8	☺
	DC175-05-06.200A1-	6,2		43	91	53	36	8	☺
	DC175-05-06.300A1-	6,3		43	91	53	36	8	☺
	DC175-05-06.350A1-	6,350	1/4"	43	91	53	36	8	☺
	DC175-05-06.400A1-	6,4		43	91	53	36	8	☺
	DC175-05-06.500A1-	6,5		43	91	53	36	8	☺
	DC175-05-06.600A1-	6,6		43	91	53	36	8	☺
	DC175-05-06.700A1-	6,7		43	91	53	36	8	☺
	DC175-05-06.747A1-	6,747	17/64"	43	91	53	36	8	☺
	DC175-05-06.800A1-	6,8		43	91	53	36	8	☺
	DC175-05-06.900A1-	6,9		43	91	53	36	8	☺
	DC175-05-07.000A1-	7		43	91	53	36	8	☺
	DC175-05-07.100A1-	7,1		43	91	53	36	8	☺
	DC175-05-07.144A1-	7,144	9/32"	43	91	53	36	8	☺
	DC175-05-07.200A1-	7,2		43	91	53	36	8	☺
	DC175-05-07.300A1-	7,3		43	91	53	36	8	☺
	DC175-05-07.400A1-	7,4		43	91	53	36	8	☺
	DC175-05-07.500A1-	7,5		43	91	53	36	8	☺
	DC175-05-07.541A1-	7,541	19/64"	43	91	53	36	8	☺
	DC175-05-07.600A1-	7,6		43	91	53	36	8	☺
	DC175-05-07.700A1-	7,7		43	91	53	36	8	☺
	DC175-05-07.800A1-	7,8		43	91	53	36	8	☺
	DC175-05-07.900A1-	7,9		43	91	53	36	8	☺
	DC175-05-07.938A1-	7,938	5/16"	43	91	53	36	8	☺
	DC175-05-08.000A1-	8		43	91	53	36	8	☺
	DC175-05-08.100A1-	8,1		49	103	61	40	10	☺
	DC175-05-08.200A1-	8,2		49	103	61	40	10	☺
	DC175-05-08.300A1-	8,3		49	103	61	40	10	☺
	DC175-05-08.334A1-	8,334	21/64"	49	103	61	40	10	☺
	DC175-05-08.400A1-	8,4		49	103	61	40	10	☺
	DC175-05-08.500A1-	8,5		49	103	61	40	10	☺
	DC175-05-08.600A1-	8,6		49	103	61	40	10	☺
	DC175-05-08.700A1-	8,7		49	103	61	40	10	☺
DC175-05-08.731A1-	8,731	11/32"	49	103	61	40	10	☺	
DC175-05-08.800A1-	8,8		49	103	61	40	10	☺	
DC175-05-08.900A1-	8,9		49	103	61	40	10	☺	
DC175-05-09.000A1-	9		49	103	61	40	10	☺	
DC175-05-09.100A1-	9,1		49	103	61	40	10	☺	

With diameters of 3–3.75, overall length in accordance with DIN 6537 L, flutes shortened compared to DIN 6537 L | Ordering example for the grade WJ30RZ: DC175-05-03.000A1-WJ30RZ

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

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_3$	$d_1$ $h_6$	WJ30RZ
		m7 mm		mm	mm	mm	mm		
	DC175-05-09.128A1-	9,128	23/64"	49	103	61	40	10	☹
	DC175-05-09.200A1-	9,2		49	103	61	40	10	☹
	DC175-05-09.300A1-	9,3		49	103	61	40	10	☹
	DC175-05-09.400A1-	9,4		49	103	61	40	10	☹
	DC175-05-09.500A1-	9,5		49	103	61	40	10	☹
	DC175-05-09.525A1-	9,525	3/8"	49	103	61	40	10	☹
	DC175-05-09.600A1-	9,6		49	103	61	40	10	☹
	DC175-05-09.700A1-	9,7		49	103	61	40	10	☹
	DC175-05-09.800A1-	9,8		49	103	61	40	10	☹
	DC175-05-09.900A1-	9,9		49	103	61	40	10	☹
	DC175-05-09.922A1-	9,922	25/64"	49	103	61	40	10	☹
	DC175-05-10.000A1-	10		49	103	61	40	10	☹
	DC175-05-10.100A1-	10,1		56	118	71	45	12	☹
	DC175-05-10.200A1-	10,2		56	118	71	45	12	☹
	DC175-05-10.300A1-	10,3		56	118	71	45	12	☹
	DC175-05-10.319A1-	10,319	13/32"	56	118	71	45	12	☹
	DC175-05-10.400A1-	10,4		56	118	71	45	12	☹
	DC175-05-10.500A1-	10,5		56	118	71	45	12	☹
	DC175-05-10.600A1-	10,6		56	118	71	45	12	☹
	DC175-05-10.700A1-	10,7		56	118	71	45	12	☹
	DC175-05-10.716A1-	10,716	27/64"	56	118	71	45	12	☹
	DC175-05-10.800A1-	10,8		56	118	71	45	12	☹
	DC175-05-10.900A1-	10,9		56	118	71	45	12	☹
	DC175-05-11.000A1-	11		56	118	71	45	12	☹
	DC175-05-11.100A1-	11,1		56	118	71	45	12	☹
	DC175-05-11.113A1-	11,113	7/16"	56	118	71	45	12	☹
	DC175-05-11.200A1-	11,2		56	118	71	45	12	☹
	DC175-05-11.300A1-	11,3		56	118	71	45	12	☹
	DC175-05-11.400A1-	11,4		56	118	71	45	12	☹
	DC175-05-11.500A1-	11,5		56	118	71	45	12	☹
	DC175-05-11.509A1-	11,509	29/64"	56	118	71	45	12	☹
	DC175-05-11.600A1-	11,6		56	118	71	45	12	☹
	DC175-05-11.700A1-	11,7		56	118	71	45	12	☹
	DC175-05-11.800A1-	11,8		56	118	71	45	12	☹
	DC175-05-11.900A1-	11,9		56	118	71	45	12	☹
	DC175-05-12.000A1-	12		56	118	71	45	12	☹
	DC175-05-12.100A1-	12,1		60	124	77	45	14	☹
	DC175-05-12.200A1-	12,2		60	124	77	45	14	☹
	DC175-05-12.300A1-	12,3		60	124	77	45	14	☹
	DC175-05-12.303A1-	12,303	31/64"	60	124	77	45	14	☹
	DC175-05-12.500A1-	12,5		60	124	77	45	14	☹
	DC175-05-12.600A1-	12,6		60	124	77	45	14	☹
	DC175-05-12.700A1-	12,700	1/2"	60	124	77	45	14	☹
	DC175-05-12.800A1-	12,8		60	124	77	45	14	☹
	DC175-05-13.000A1-	13		60	124	77	45	14	☹

With diameters of 3–3.75, overall length in accordance with DIN 6537 L, flutes shortened compared to DIN 6537 L | Ordering example for the grade WJ30RZ: DC175-05-03.000A1-WJ30RZ



Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RZ
<p>DIN 6535 HA</p>	DC175-05-13.100A1-	13,1		60	124	77	45	14	☺☺
	DC175-05-13.300A1-	13,3		60	124	77	45	14	☺☺
	DC175-05-13.494A1-	13,494	17/32"	60	124	77	45	14	☺☺
	DC175-05-13.500A1-	13,5		60	124	77	45	14	☺☺
	DC175-05-13.800A1-	13,8		60	124	77	45	14	☺☺
	DC175-05-14.000A1-	14		60	124	77	45	14	☺☺
	DC175-05-14.200A1-	14,2		63	133	83	48	16	☺☺
	DC175-05-14.288A1-	14,288	9/16"	63	133	83	48	16	☺☺
	DC175-05-14.400A1-	14,4		63	133	83	48	16	☺☺
	DC175-05-14.500A1-	14,5		63	133	83	48	16	☺☺
	DC175-05-14.800A1-	14,8		63	133	83	48	16	☺☺
	DC175-05-15.000A1-	15		63	133	83	48	16	☺☺
	DC175-05-15.100A1-	15,1		63	133	83	48	16	☺☺
	DC175-05-15.300A1-	15,3		63	133	83	48	16	☺☺
	DC175-05-15.500A1-	15,5		63	133	83	48	16	☺☺
	DC175-05-15.800A1-	15,8		63	133	83	48	16	☺☺
	DC175-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☺☺
	DC175-05-16.000A1-	16		63	133	83	48	16	☺☺
	DC175-05-16.500A1-	16,5		71	143	93	48	18	☺☺
	DC175-05-17.000A1-	17		71	143	93	48	18	☺☺
DC175-05-17.500A1-	17,5		71	143	93	48	18	☺☺	
DC175-05-18.000A1-	18		71	143	93	48	18	☺☺	
DC175-05-18.500A1-	18,5		77	153	101	50	20	☺☺	
DC175-05-19.000A1-	19		77	153	101	50	20	☺☺	
DC175-05-19.500A1-	19,5		77	153	101	50	20	☺☺	
DC175-05-20.000A1-	20		77	153	101	50	20	☺☺	

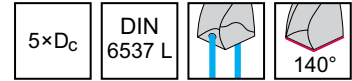
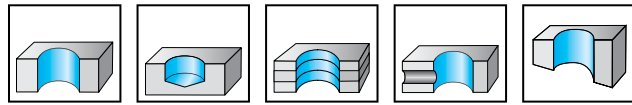
With diameters of 3–3.75, overall length in accordance with DIN 6537 L, flutes shortened compared to DIN 6537 L | Ordering example for the grade WJ30RZ: DC175-05-03.000A1-WJ30RZ

B1

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

# Solid carbide drills with coolant-through

## DC170 Supreme



B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EJ
	DC170-05-03.000A1-	3		23	66	28	36	6	☺
	DC170-05-03.100A1-	3,1		23	66	28	36	6	☺
	DC170-05-03.175A1-	3,175	1/8"	23	66	28	36	6	☺
	DC170-05-03.200A1-	3,2		23	66	28	36	6	☺
	DC170-05-03.300A1-	3,3		23	66	28	36	6	☺
	DC170-05-03.400A1-	3,4		23	66	28	36	6	☺
	DC170-05-03.500A1-	3,5		23	66	28	36	6	☺
	DC170-05-03.600A1-	3,6		23	66	28	36	6	☺
	DC170-05-03.700A1-	3,7		23	66	28	36	6	☺
	DC170-05-03.800A1-	3,8		29	74	36	36	6	☺
	DC170-05-03.900A1-	3,9		29	74	36	36	6	☺
	DC170-05-03.969A1-	3,969	5/32"	29	74	36	36	6	☺
	DC170-05-04.000A1-	4		29	74	36	36	6	☺
	DC170-05-04.100A1-	4,1		29	74	36	36	6	☺
	DC170-05-04.200A1-	4,2		29	74	36	36	6	☺
	DC170-05-04.300A1-	4,3		29	74	36	36	6	☺
	DC170-05-04.366A1-	4,366	11/64"	29	74	36	36	6	☺
	DC170-05-04.400A1-	4,4		29	74	36	36	6	☺
	DC170-05-04.500A1-	4,5		29	74	36	36	6	☺
	DC170-05-04.600A1-	4,6		29	74	36	36	6	☺
	DC170-05-04.650A1-	4,65		29	74	36	36	6	☺
	DC170-05-04.700A1-	4,7		29	74	36	36	6	☺
	DC170-05-04.763A1-	4,763	3/16"	35	82	44	36	6	☺
	DC170-05-04.800A1-	4,8		35	82	44	36	6	☺
	DC170-05-04.900A1-	4,9		35	82	44	36	6	☺
	DC170-05-05.000A1-	5		35	82	44	36	6	☺
	DC170-05-05.100A1-	5,1		35	82	44	36	6	☺
	DC170-05-05.159A1-	5,159	13/64"	35	82	44	36	6	☺
	DC170-05-05.200A1-	5,2		35	82	44	36	6	☺
	DC170-05-05.300A1-	5,3		35	82	44	36	6	☺
	DC170-05-05.500A1-	5,5		35	82	44	36	6	☺
	DC170-05-05.550A1-	5,55		35	82	44	36	6	☺
	DC170-05-05.556A1-	5,556	7/32"	35	82	44	36	6	☺
	DC170-05-05.600A1-	5,6		35	82	44	36	6	☺
	DC170-05-05.700A1-	5,7		35	82	44	36	6	☺
	DC170-05-05.800A1-	5,8		35	82	44	36	6	☺

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

**WALTER SELECT**

●● Primary application ● Other application

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>	WJ30EJ
		m7		mm	mm	mm	mm	h6	
<p>DIN 6535 HA</p>	DC170-05-05.900A1-	5,9		35	82	44	36	6	☺☺
	DC170-05-05.953A1-	5,953	15/64"	35	82	44	36	6	☺☺
	DC170-05-06.000A1-	6		35	82	44	36	6	☺☺
	DC170-05-06.100A1-	6,1		43	91	53	36	8	☺☺
	DC170-05-06.200A1-	6,2		43	91	53	36	8	☺☺
	DC170-05-06.300A1-	6,3		43	91	53	36	8	☺☺
	DC170-05-06.350A1-	6,350	1/4"	43	91	53	36	8	☺☺
	DC170-05-06.400A1-	6,4		43	91	53	36	8	☺☺
	DC170-05-06.500A1-	6,5		43	91	53	36	8	☺☺
	DC170-05-06.600A1-	6,6		43	91	53	36	8	☺☺
	DC170-05-06.700A1-	6,7		43	91	53	36	8	☺☺
	DC170-05-06.747A1-	6,747	17/64"	43	91	53	36	8	☺☺
	DC170-05-06.800A1-	6,8		43	91	53	36	8	☺☺
	DC170-05-06.900A1-	6,9		43	91	53	36	8	☺☺
	DC170-05-07.000A1-	7		43	91	53	36	8	☺☺
	DC170-05-07.100A1-	7,1		43	91	53	36	8	☺☺
	DC170-05-07.144A1-	7,144	9/32"	43	91	53	36	8	☺☺
	DC170-05-07.200A1-	7,2		43	91	53	36	8	☺☺
	DC170-05-07.300A1-	7,3		43	91	53	36	8	☺☺
	DC170-05-07.400A1-	7,4		43	91	53	36	8	☺☺
	DC170-05-07.500A1-	7,5		43	91	53	36	8	☺☺
	DC170-05-07.800A1-	7,8		43	91	53	36	8	☺☺
	DC170-05-07.900A1-	7,9		43	91	53	36	8	☺☺
	DC170-05-07.938A1-	7,938	5/16"	43	91	53	36	8	☺☺
	DC170-05-08.000A1-	8		43	91	53	36	8	☺☺
	DC170-05-08.100A1-	8,1		49	103	61	40	10	☺☺
	DC170-05-08.200A1-	8,2		49	103	61	40	10	☺☺
	DC170-05-08.300A1-	8,3		49	103	61	40	10	☺☺
	DC170-05-08.334A1-	8,334	21/64"	49	103	61	40	10	☺☺
	DC170-05-08.400A1-	8,4		49	103	61	40	10	☺☺
	DC170-05-08.500A1-	8,5		49	103	61	40	10	☺☺
	DC170-05-08.600A1-	8,6		49	103	61	40	10	☺☺
	DC170-05-08.700A1-	8,7		49	103	61	40	10	☺☺
	DC170-05-08.731A1-	8,731	11/32"	49	103	61	40	10	☺☺
	DC170-05-08.800A1-	8,8		49	103	61	40	10	☺☺
DC170-05-09.000A1-	9		49	103	61	40	10	☺☺	
DC170-05-09.128A1-	9,128	23/64"	49	103	61	40	10	☺☺	
DC170-05-09.200A1-	9,2		49	103	61	40	10	☺☺	
DC170-05-09.300A1-	9,3		49	103	61	40	10	☺☺	
DC170-05-09.500A1-	9,5		49	103	61	40	10	☺☺	
DC170-05-09.525A1-	9,525	3/8"	49	103	61	40	10	☺☺	
DC170-05-09.600A1-	9,6		49	103	61	40	10	☺☺	
DC170-05-09.700A1-	9,7		49	103	61	40	10	☺☺	
DC170-05-09.800A1-	9,8		49	103	61	40	10	☺☺	
DC170-05-09.900A1-	9,9		49	103	61	40	10	☺☺	
DC170-05-10.000A1-	10		49	103	61	40	10	☺☺	

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

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

B1

B1

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>	WJ30EJ
		m7 mm							
	DC170-05-10.100A1-	10,1		56	118	71	45	12	☹
	DC170-05-10.200A1-	10,2		56	118	71	45	12	☹
	DC170-05-10.300A1-	10,3		56	118	71	45	12	☹
	DC170-05-10.319A1-	10,319	13/32"	56	118	71	45	12	☹
	DC170-05-10.400A1-	10,4		56	118	71	45	12	☹
	DC170-05-10.500A1-	10,5		56	118	71	45	12	☹
	DC170-05-10.716A1-	10,716	27/64"	56	118	71	45	12	☹
	DC170-05-10.800A1-	10,8		56	118	71	45	12	☹
	DC170-05-11.000A1-	11		56	118	71	45	12	☹
	DC170-05-11.100A1-	11,1		56	118	71	45	12	☹
	DC170-05-11.113A1-	11,113	7/16"	56	118	71	45	12	☹
	DC170-05-11.200A1-	11,2		56	118	71	45	12	☹
	DC170-05-11.500A1-	11,5		56	118	71	45	12	☹
	DC170-05-11.509A1-	11,509	29/64"	56	118	71	45	12	☹
	DC170-05-11.800A1-	11,8		56	118	71	45	12	☹
	DC170-05-11.906A1-	11,906	15/32"	56	118	71	45	12	☹
	DC170-05-12.000A1-	12		56	118	71	45	12	☹
	DC170-05-12.100A1-	12,1		60	124	77	45	14	☹
	DC170-05-12.200A1-	12,2		60	124	77	45	14	☹
	DC170-05-12.300A1-	12,3		60	124	77	45	14	☹
	DC170-05-12.303A1-	12,303	31/64"	60	124	77	45	14	☹
	DC170-05-12.500A1-	12,5		60	124	77	45	14	☹
	DC170-05-12.700A1-	12,700	1/2"	60	124	77	45	14	☹
	DC170-05-13.000A1-	13		60	124	77	45	14	☹
	DC170-05-13.300A1-	13,3		60	124	77	45	14	☹
	DC170-05-13.494A1-	13,494	17/32"	60	124	77	45	14	☹
	DC170-05-13.500A1-	13,5		60	124	77	45	14	☹
	DC170-05-14.000A1-	14		60	124	77	45	14	☹
	DC170-05-14.288A1-	14,288	9/16"	63	133	83	48	16	☹
	DC170-05-14.500A1-	14,5		63	133	83	48	16	☹
	DC170-05-15.000A1-	15		63	133	83	48	16	☹
	DC170-05-15.500A1-	15,5		63	133	83	48	16	☹
	DC170-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☹
	DC170-05-16.000A1-	16		63	133	83	48	16	☹
	DC170-05-16.500A1-	16,5		71	143	93	48	18	☹
	DC170-05-17.000A1-	17		71	143	93	48	18	☹
	DC170-05-17.500A1-	17,5		71	143	93	48	18	☹
	DC170-05-18.000A1-	18		71	143	93	48	18	☹
	DC170-05-18.500A1-	18,5		77	153	101	50	20	☹
	DC170-05-19.000A1-	19		77	153	101	50	20	☹
	DC170-05-19.050A1-	19,050	3/4"	77	153	101	50	20	☹
	DC170-05-20.000A1-	20		77	153	101	50	20	☹

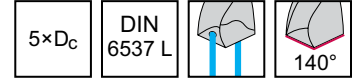
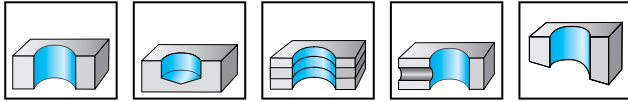
Ordering example for the grade WJ30EJ: DC170-05-03.000A1-WJ30EJ

**WALTER  
SELECT**

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

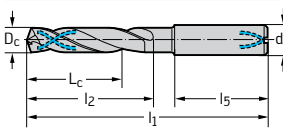
# Solid carbide twist drill

## DC166 Supreme



	P	M	K	N	S	H	O
WJ30UU				●●			

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> m7 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30UU
DC166-05-03.000A1-	3	23	66	28	36	6	☺
DC166-05-04.000A1-	4	29	74	36	36	6	☺
DC166-05-04.200A1-	4,2	29	74	36	36	6	☺
DC166-05-05.000A1-	5	35	82	44	36	6	☺
DC166-05-06.000A1-	6	35	82	44	36	6	☺
DC166-05-06.800A1-	6,8	43	91	53	36	8	☺
DC166-05-07.500A1-	7,5	43	91	53	36	8	☺
DC166-05-08.000A1-	8	43	91	53	36	8	☺
DC166-05-08.500A1-	8,5	49	103	61	40	10	☺
DC166-05-09.300A1-	9,3	49	103	61	40	10	☺
DC166-05-10.000A1-	10	49	103	61	40	10	☺
DC166-05-10.200A1-	10,2	56	118	71	45	12	☺
DC166-05-12.000A1-	12	56	118	71	45	12	☺

Ordering example for the grade WJ30UU: DC166-05-03.000A1-WJ30UU

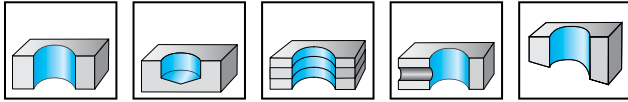
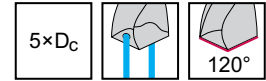
**WALTER  
SELECT**

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

B1

# Solid carbide drills with coolant-through, straight groove

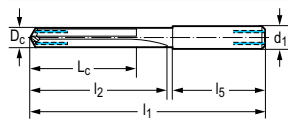
## DC165 Advance



	P	M	K	N	S	H	O
WJ30UU			●●	●●			

B1

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> k6 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	WJ30UU
DC165-05-04.000A1-	4	16	74	31	36	6	☺
DC165-05-05.000A1-	5	22	82	40	36	6	☺
DC165-05-06.000A1-	6	22	82	40	36	6	☺
DC165-05-08.000A1-	8	29	91	49	36	8	☺
DC165-05-08.500A1-	8,5	37	103	57	40	10	☺
DC165-05-10.000A1-	10	37	103	57	40	10	☺
DC165-05-10.200A1-	10,2	43	118	67	45	12	☺
DC165-05-11.000A1-	11	43	118	67	45	12	☺
DC165-05-12.000A1-	12	43	118	67	45	12	☺
DC165-05-14.000A1-	14	45	124	73	45	14	☺
DC165-05-15.000A1-	15	55	133	79	48	16	☺
DC165-05-16.000A1-	16	55	133	79	48	16	☺

Ordering example for the grade WJ30UU: DC165-05-04.000A1-WJ30UU

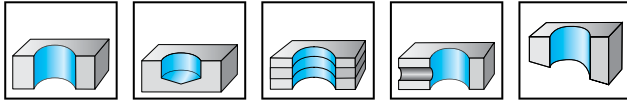
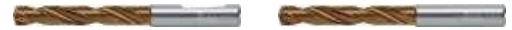
**WALTER  
SELECT**

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

# Solid carbide drills with coolant-through

## DC160 Advance

### X-treme Evo



	P	M	K	N	S	H	O
WJ30ET	●●	●	●●●	●●●	●●●	●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HA</p>	DC160-05-03.000A1-	3		23	66	28	36	6	☺
	DC160-05-03.100A1-	3,1		23	66	28	36	6	☺
	DC160-05-03.175A1-	3,175	1/8"	23	66	28	36	6	☺
	DC160-05-03.200A1-	3,2		23	66	28	36	6	☺
	DC160-05-03.250A1-	3,25		23	66	28	36	6	☺
	DC160-05-03.300A1-	3,3		23	66	28	36	6	☺
	DC160-05-03.400A1-	3,4		23	66	28	36	6	☺
	DC160-05-03.500A1-	3,5		23	66	28	36	6	☺
	DC160-05-03.572A1-	3,572	9/64"	23	66	28	36	6	☺
	DC160-05-03.600A1-	3,6		23	66	28	36	6	☺
	DC160-05-03.650A1-	3,65		23	66	28	36	6	☺
	DC160-05-03.700A1-	3,7		23	66	28	36	6	☺
	DC160-05-03.800A1-	3,8		29	74	36	36	6	☺
	DC160-05-03.900A1-	3,9		29	74	36	36	6	☺
	DC160-05-03.969A1-	3,969	5/32"	29	74	36	36	6	☺
	DC160-05-04.000A1-	4		29	74	36	36	6	☺
	DC160-05-04.100A1-	4,1		29	74	36	36	6	☺
	DC160-05-04.200A1-	4,2		29	74	36	36	6	☺
	DC160-05-04.300A1-	4,3		29	74	36	36	6	☺
	DC160-05-04.366A1-	4,366	11/64"	29	74	36	36	6	☺
	DC160-05-04.400A1-	4,4		29	74	36	36	6	☺
	DC160-05-04.500A1-	4,5		29	74	36	36	6	☺
	DC160-05-04.600A1-	4,6		29	74	36	36	6	☺
	DC160-05-04.650A1-	4,65		29	74	36	36	6	☺
	DC160-05-04.700A1-	4,7		29	74	36	36	6	☺
	DC160-05-04.763A1-	4,763	3/16"	35	82	44	36	6	☺
	DC160-05-04.800A1-	4,8		35	82	44	36	6	☺
	DC160-05-04.900A1-	4,9		35	82	44	36	6	☺
	DC160-05-05.000A1-	5		35	82	44	36	6	☺
	DC160-05-05.100A1-	5,1		35	82	44	36	6	☺
	DC160-05-05.159A1-	5,159	13/64"	35	82	44	36	6	☺
	DC160-05-05.200A1-	5,2		35	82	44	36	6	☺
	DC160-05-05.300A1-	5,3		35	82	44	36	6	☺
DC160-05-05.400A1-	5,4		35	82	44	36	6	☺	
DC160-05-05.500A1-	5,5		35	82	44	36	6	☺	
DC160-05-05.550A1-	5,55		35	82	44	36	6	☺	

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

**WALTER SELECT**

●● Primary application ● Other application

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30ET
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC160-05-05.556A1-	5,556	7/32"	35	82	44	36	6	☹
	DC160-05-05.600A1-	5,6		35	82	44	36	6	☹
	DC160-05-05.700A1-	5,7		35	82	44	36	6	☹
	DC160-05-05.800A1-	5,8		35	82	44	36	6	☹
	DC160-05-05.900A1-	5,9		35	82	44	36	6	☹
	DC160-05-05.953A1-	5,953	15/64"	35	82	44	36	6	☹
	DC160-05-06.000A1-	6		35	82	44	36	6	☹
	DC160-05-06.100A1-	6,1		43	91	53	36	8	☹
	DC160-05-06.200A1-	6,2		43	91	53	36	8	☹
	DC160-05-06.300A1-	6,3		43	91	53	36	8	☹
	DC160-05-06.350A1-	6,350	1/4"	43	91	53	36	8	☹
	DC160-05-06.400A1-	6,4		43	91	53	36	8	☹
	DC160-05-06.500A1-	6,5		43	91	53	36	8	☹
	DC160-05-06.600A1-	6,6		43	91	53	36	8	☹
	DC160-05-06.700A1-	6,7		43	91	53	36	8	☹
	DC160-05-06.747A1-	6,747	17/64"	43	91	53	36	8	☹
	DC160-05-06.800A1-	6,8		43	91	53	36	8	☹
	DC160-05-06.900A1-	6,9		43	91	53	36	8	☹
	DC160-05-07.000A1-	7		43	91	53	36	8	☹
	DC160-05-07.100A1-	7,1		43	91	53	36	8	☹
	DC160-05-07.144A1-	7,144	9/32"	43	91	53	36	8	☹
	DC160-05-07.200A1-	7,2		43	91	53	36	8	☹
	DC160-05-07.300A1-	7,3		43	91	53	36	8	☹
	DC160-05-07.400A1-	7,4		43	91	53	36	8	☹
	DC160-05-07.500A1-	7,5		43	91	53	36	8	☹
	DC160-05-07.541A1-	7,541	19/64"	43	91	53	36	8	☹
	DC160-05-07.550A1-	7,55		43	91	53	36	8	☹
	DC160-05-07.600A1-	7,6		43	91	53	36	8	☹
	DC160-05-07.700A1-	7,7		43	91	53	36	8	☹
	DC160-05-07.800A1-	7,8		43	91	53	36	8	☹
	DC160-05-07.900A1-	7,9		43	91	53	36	8	☹
	DC160-05-07.938A1-	7,938	5/16"	43	91	53	36	8	☹
	DC160-05-08.000A1-	8		43	91	53	36	8	☹
	DC160-05-08.100A1-	8,1		49	103	61	40	10	☹
DC160-05-08.200A1-	8,2		49	103	61	40	10	☹	
DC160-05-08.300A1-	8,3		49	103	61	40	10	☹	
DC160-05-08.334A1-	8,334	21/64"	49	103	61	40	10	☹	
DC160-05-08.400A1-	8,4		49	103	61	40	10	☹	
DC160-05-08.500A1-	8,5		49	103	61	40	10	☹	
DC160-05-08.600A1-	8,6		49	103	61	40	10	☹	
DC160-05-08.700A1-	8,7		49	103	61	40	10	☹	
DC160-05-08.731A1-	8,731	11/32"	49	103	61	40	10	☹	
DC160-05-08.800A1-	8,8		49	103	61	40	10	☹	
DC160-05-08.900A1-	8,9		49	103	61	40	10	☹	
DC160-05-09.000A1-	9		49	103	61	40	10	☹	
DC160-05-09.100A1-	9,1		49	103	61	40	10	☹	

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

**WALTER  
SELECT**

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



Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h6	WJ30ET
		m7 mm							
	DC160-05-09.128A1-	9,128	23/64"	49	103	61	40	10	☺
	DC160-05-09.200A1-	9,2		49	103	61	40	10	☺
	DC160-05-09.300A1-	9,3		49	103	61	40	10	☺
	DC160-05-09.400A1-	9,4		49	103	61	40	10	☺
	DC160-05-09.500A1-	9,5		49	103	61	40	10	☺
	DC160-05-09.525A1-	9,525	3/8"	49	103	61	40	10	☺
	DC160-05-09.550A1-	9,55		49	103	61	40	10	☺
	DC160-05-09.600A1-	9,6		49	103	61	40	10	☺
	DC160-05-09.700A1-	9,7		49	103	61	40	10	☺
	DC160-05-09.800A1-	9,8		49	103	61	40	10	☺
	DC160-05-09.900A1-	9,9		49	103	61	40	10	☺
	DC160-05-09.922A1-	9,922	25/64"	49	103	61	40	10	☺
	DC160-05-10.000A1-	10		49	103	61	40	10	☺
	DC160-05-10.100A1-	10,1		56	118	71	45	12	☺
	DC160-05-10.200A1-	10,2		56	118	71	45	12	☺
	DC160-05-10.300A1-	10,3		56	118	71	45	12	☺
	DC160-05-10.319A1-	10,319	13/32"	56	118	71	45	12	☺
	DC160-05-10.400A1-	10,4		56	118	71	45	12	☺
	DC160-05-10.500A1-	10,5		56	118	71	45	12	☺
	DC160-05-10.600A1-	10,6		56	118	71	45	12	☺
	DC160-05-10.700A1-	10,7		56	118	71	45	12	☺
	DC160-05-10.716A1-	10,716	27/64"	56	118	71	45	12	☺
	DC160-05-10.800A1-	10,8		56	118	71	45	12	☺
	DC160-05-10.900A1-	10,9		56	118	71	45	12	☺
	DC160-05-11.000A1-	11		56	118	71	45	12	☺
	DC160-05-11.100A1-	11,1		56	118	71	45	12	☺
	DC160-05-11.113A1-	11,113	7/16"	56	118	71	45	12	☺
	DC160-05-11.200A1-	11,2		56	118	71	45	12	☺
	DC160-05-11.300A1-	11,3		56	118	71	45	12	☺
	DC160-05-11.400A1-	11,4		56	118	71	45	12	☺
	DC160-05-11.500A1-	11,5		56	118	71	45	12	☺
	DC160-05-11.509A1-	11,509	29/64"	56	118	71	45	12	☺
	DC160-05-11.550A1-	11,55		56	118	71	45	12	☺
	DC160-05-11.600A1-	11,6		56	118	71	45	12	☺
	DC160-05-11.700A1-	11,7		56	118	71	45	12	☺
	DC160-05-11.800A1-	11,8		56	118	71	45	12	☺
	DC160-05-11.900A1-	11,9		56	118	71	45	12	☺
	DC160-05-11.906A1-	11,906	15/32"	56	118	71	45	12	☺
	DC160-05-12.000A1-	12		56	118	71	45	12	☺
	DC160-05-12.100A1-	12,1		60	124	77	45	14	☺
	DC160-05-12.200A1-	12,2		60	124	77	45	14	☺
	DC160-05-12.250A1-	12,25		60	124	77	45	14	☺
	DC160-05-12.300A1-	12,3		60	124	77	45	14	☺
	DC160-05-12.303A1-	12,303	31/64"	60	124	77	45	14	☺
	DC160-05-12.400A1-	12,4		60	124	77	45	14	☺
	DC160-05-12.500A1-	12,5		60	124	77	45	14	☺

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

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

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30ET
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC160-05-12.600A1-	12,6		60	124	77	45	14	☹
	DC160-05-12.700A1-	12,700	1/2"	60	124	77	45	14	☹
	DC160-05-12.750A1-	12,75		60	124	77	45	14	☹
	DC160-05-12.800A1-	12,8		60	124	77	45	14	☹
	DC160-05-12.900A1-	12,9		60	124	77	45	14	☹
	DC160-05-13.000A1-	13		60	124	77	45	14	☹
	DC160-05-13.100A1-	13,1		60	124	77	45	14	☹
	DC160-05-13.200A1-	13,2		60	124	77	45	14	☹
	DC160-05-13.300A1-	13,3		60	124	77	45	14	☹
	DC160-05-13.400A1-	13,4		60	124	77	45	14	☹
	DC160-05-13.494A1-	13,494	17/32"	60	124	77	45	14	☹
	DC160-05-13.500A1-	13,5		60	124	77	45	14	☹
	DC160-05-13.600A1-	13,6		60	124	77	45	14	☹
	DC160-05-13.700A1-	13,7		60	124	77	45	14	☹
	DC160-05-13.800A1-	13,8		60	124	77	45	14	☹
	DC160-05-13.900A1-	13,9		60	124	77	45	14	☹
	DC160-05-14.000A1-	14		60	124	77	45	14	☹
	DC160-05-14.100A1-	14,1		63	133	83	48	16	☹
	DC160-05-14.200A1-	14,2		63	133	83	48	16	☹
	DC160-05-14.288A1-	14,288	9/16"	63	133	83	48	16	☹
	DC160-05-14.300A1-	14,3		63	133	83	48	16	☹
	DC160-05-14.400A1-	14,4		63	133	83	48	16	☹
	DC160-05-14.500A1-	14,5		63	133	83	48	16	☹
	DC160-05-14.600A1-	14,6		63	133	83	48	16	☹
	DC160-05-14.700A1-	14,7		63	133	83	48	16	☹
	DC160-05-14.750A1-	14,75		63	133	83	48	16	☹
	DC160-05-14.800A1-	14,8		63	133	83	48	16	☹
	DC160-05-14.900A1-	14,9		63	133	83	48	16	☹
	DC160-05-15.000A1-	15		63	133	83	48	16	☹
	DC160-05-15.100A1-	15,1		63	133	83	48	16	☹
	DC160-05-15.200A1-	15,2		63	133	83	48	16	☹
	DC160-05-15.300A1-	15,3		63	133	83	48	16	☹
	DC160-05-15.400A1-	15,4		63	133	83	48	16	☹
DC160-05-15.500A1-	15,5		63	133	83	48	16	☹	
DC160-05-15.600A1-	15,6		63	133	83	48	16	☹	
DC160-05-15.700A1-	15,7		63	133	83	48	16	☹	
DC160-05-15.800A1-	15,8		63	133	83	48	16	☹	
DC160-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☹	
DC160-05-15.900A1-	15,9		63	133	83	48	16	☹	
DC160-05-16.000A1-	16		63	133	83	48	16	☹	
DC160-05-16.100A1-	16,1		71	143	93	48	18	☹	
DC160-05-16.200A1-	16,2		71	143	93	48	18	☹	
DC160-05-16.300A1-	16,3		71	143	93	48	18	☹	
DC160-05-16.400A1-	16,4		71	143	93	48	18	☹	
DC160-05-16.500A1-	16,5		71	143	93	48	18	☹	
DC160-05-16.600A1-	16,6		71	143	93	48	18	☹	

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30ET
		mm		mm	mm	mm	mm		
	DC160-05-16.700A1-	16,7		71	143	93	48	18	☺
	DC160-05-16.750A1-	16,75		71	143	93	48	18	☺
	DC160-05-16.800A1-	16,8		71	143	93	48	18	☺
	DC160-05-16.900A1-	16,9		71	143	93	48	18	☺
	DC160-05-17.000A1-	17		71	143	93	48	18	☺
	DC160-05-17.100A1-	17,1		71	143	93	48	18	☺
	DC160-05-17.200A1-	17,2		71	143	93	48	18	☺
	DC160-05-17.300A1-	17,3		71	143	93	48	18	☺
	DC160-05-17.400A1-	17,4		71	143	93	48	18	☺
	DC160-05-17.500A1-	17,5		71	143	93	48	18	☺
	DC160-05-17.600A1-	17,6		71	143	93	48	18	☺
	DC160-05-17.700A1-	17,7		71	143	93	48	18	☺
	DC160-05-17.800A1-	17,8		71	143	93	48	18	☺
	DC160-05-17.900A1-	17,9		71	143	93	48	18	☺
	DC160-05-18.000A1-	18		71	143	93	48	18	☺
	DC160-05-18.100A1-	18,1		77	153	101	50	20	☺
	DC160-05-18.200A1-	18,2		77	153	101	50	20	☺
	DC160-05-18.300A1-	18,3		77	153	101	50	20	☺
	DC160-05-18.400A1-	18,4		77	153	101	50	20	☺
	DC160-05-18.500A1-	18,5		77	153	101	50	20	☺
	DC160-05-18.600A1-	18,6		77	153	101	50	20	☺
	DC160-05-18.700A1-	18,7		77	153	101	50	20	☺
	DC160-05-18.800A1-	18,8		77	153	101	50	20	☺
	DC160-05-18.900A1-	18,9		77	153	101	50	20	☺
	DC160-05-19.000A1-	19		77	153	101	50	20	☺
	DC160-05-19.050A1-	19,050	3/4"	77	153	101	50	20	☺
	DC160-05-19.100A1-	19,1		77	153	101	50	20	☺
	DC160-05-19.200A1-	19,2		77	153	101	50	20	☺
	DC160-05-19.300A1-	19,3		77	153	101	50	20	☺
	DC160-05-19.400A1-	19,4		77	153	101	50	20	☺
	DC160-05-19.500A1-	19,5		77	153	101	50	20	☺
	DC160-05-19.600A1-	19,6		77	153	101	50	20	☺
	DC160-05-19.700A1-	19,7		77	153	101	50	20	☺
	DC160-05-19.800A1-	19,8		77	153	101	50	20	☺
	DC160-05-19.900A1-	19,9		77	153	101	50	20	☺
	DC160-05-20.000A1-	20		77	153	101	50	20	☺
	DC160-05-20.500A1-	20,5		86	166	108	56	25	☺
	DC160-05-21.000A1-	21		86	166	108	56	25	☺
	DC160-05-21.500A1-	21,5		86	166	108	56	25	☺
	DC160-05-22.000A1-	22		86	166	108	56	25	☺
	DC160-05-22.500A1-	22,5		91	173	115	56	25	☺
	DC160-05-23.000A1-	23		91	173	115	56	25	☺
	DC160-05-23.500A1-	23,5		91	173	115	56	25	☺
	DC160-05-24.000A1-	24		91	173	115	56	25	☺
	DC160-05-24.500A1-	24,5		97	180	122	56	25	☺
	DC160-05-25.000A1-	25		97	180	122	56	25	☺

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

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

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30ET
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HE</p>	DC160-05-03.000F1-	3		23	66	28	36	6	☹
	DC160-05-03.100F1-	3,1		23	66	28	36	6	☹
	DC160-05-03.200F1-	3,2		23	66	28	36	6	☹
	DC160-05-03.250F1-	3,25		23	66	28	36	6	☹
	DC160-05-03.300F1-	3,3		23	66	28	36	6	☹
	DC160-05-03.400F1-	3,4		23	66	28	36	6	☹
	DC160-05-03.500F1-	3,5		23	66	28	36	6	☹
	DC160-05-03.600F1-	3,6		23	66	28	36	6	☹
	DC160-05-03.650F1-	3,65		23	66	28	36	6	☹
	DC160-05-03.700F1-	3,7		23	66	28	36	6	☹
	DC160-05-03.800F1-	3,8		29	74	36	36	6	☹
	DC160-05-03.900F1-	3,9		29	74	36	36	6	☹
	DC160-05-04.000F1-	4		29	74	36	36	6	☹
	DC160-05-04.100F1-	4,1		29	74	36	36	6	☹
	DC160-05-04.200F1-	4,2		29	74	36	36	6	☹
	DC160-05-04.300F1-	4,3		29	74	36	36	6	☹
	DC160-05-04.400F1-	4,4		29	74	36	36	6	☹
	DC160-05-04.500F1-	4,5		29	74	36	36	6	☹
	DC160-05-04.600F1-	4,6		29	74	36	36	6	☹
	DC160-05-04.650F1-	4,65		29	74	36	36	6	☹
	DC160-05-04.700F1-	4,7		29	74	36	36	6	☹
	DC160-05-04.800F1-	4,8		35	82	44	36	6	☹
	DC160-05-04.900F1-	4,9		35	82	44	36	6	☹
	DC160-05-05.000F1-	5		35	82	44	36	6	☹
	DC160-05-05.100F1-	5,1		35	82	44	36	6	☹
	DC160-05-05.200F1-	5,2		35	82	44	36	6	☹
	DC160-05-05.300F1-	5,3		35	82	44	36	6	☹
	DC160-05-05.400F1-	5,4		35	82	44	36	6	☹
	DC160-05-05.500F1-	5,5		35	82	44	36	6	☹
	DC160-05-05.550F1-	5,55		35	82	44	36	6	☹
	DC160-05-05.600F1-	5,6		35	82	44	36	6	☹
	DC160-05-05.700F1-	5,7		35	82	44	36	6	☹
	DC160-05-05.800F1-	5,8		35	82	44	36	6	☹
	DC160-05-05.900F1-	5,9		35	82	44	36	6	☹
	DC160-05-06.000F1-	6		35	82	44	36	6	☹
DC160-05-06.100F1-	6,1		43	91	53	36	8	☹	
DC160-05-06.200F1-	6,2		43	91	53	36	8	☹	
DC160-05-06.300F1-	6,3		43	91	53	36	8	☹	
DC160-05-06.400F1-	6,4		43	91	53	36	8	☹	
DC160-05-06.500F1-	6,5		43	91	53	36	8	☹	
DC160-05-06.600F1-	6,6		43	91	53	36	8	☹	
DC160-05-06.700F1-	6,7		43	91	53	36	8	☹	
DC160-05-06.800F1-	6,8		43	91	53	36	8	☹	
DC160-05-06.900F1-	6,9		43	91	53	36	8	☹	
DC160-05-07.000F1-	7		43	91	53	36	8	☹	
DC160-05-07.100F1-	7,1		43	91	53	36	8	☹	

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30ET
		mm		mm	mm	mm	mm		
	DC160-05-07.200F1-	7,2		43	91	53	36	8	☺
	DC160-05-07.300F1-	7,3		43	91	53	36	8	☺
	DC160-05-07.400F1-	7,4		43	91	53	36	8	☺
	DC160-05-07.500F1-	7,5		43	91	53	36	8	☺
	DC160-05-07.550F1-	7,55		43	91	53	36	8	☺
	DC160-05-07.600F1-	7,6		43	91	53	36	8	☺
	DC160-05-07.700F1-	7,7		43	91	53	36	8	☺
	DC160-05-07.800F1-	7,8		43	91	53	36	8	☺
	DC160-05-07.900F1-	7,9		43	91	53	36	8	☺
	DC160-05-08.000F1-	8		43	91	53	36	8	☺
	DC160-05-08.100F1-	8,1		49	103	61	40	10	☺
	DC160-05-08.200F1-	8,2		49	103	61	40	10	☺
	DC160-05-08.300F1-	8,3		49	103	61	40	10	☺
	DC160-05-08.400F1-	8,4		49	103	61	40	10	☺
	DC160-05-08.500F1-	8,5		49	103	61	40	10	☺
	DC160-05-08.600F1-	8,6		49	103	61	40	10	☺
	DC160-05-08.700F1-	8,7		49	103	61	40	10	☺
	DC160-05-08.800F1-	8,8		49	103	61	40	10	☺
	DC160-05-08.900F1-	8,9		49	103	61	40	10	☺
	DC160-05-09.000F1-	9		49	103	61	40	10	☺
	DC160-05-09.100F1-	9,1		49	103	61	40	10	☺
	DC160-05-09.200F1-	9,2		49	103	61	40	10	☺
	DC160-05-09.300F1-	9,3		49	103	61	40	10	☺
	DC160-05-09.400F1-	9,4		49	103	61	40	10	☺
	DC160-05-09.500F1-	9,5		49	103	61	40	10	☺
	DC160-05-09.550F1-	9,55		49	103	61	40	10	☺
	DC160-05-09.600F1-	9,6		49	103	61	40	10	☺
	DC160-05-09.700F1-	9,7		49	103	61	40	10	☺
	DC160-05-09.800F1-	9,8		49	103	61	40	10	☺
	DC160-05-09.900F1-	9,9		49	103	61	40	10	☺
	DC160-05-10.000F1-	10		49	103	61	40	10	☺
	DC160-05-10.100F1-	10,1		56	118	71	45	12	☺
	DC160-05-10.200F1-	10,2		56	118	71	45	12	☺
	DC160-05-10.300F1-	10,3		56	118	71	45	12	☺
	DC160-05-10.400F1-	10,4		56	118	71	45	12	☺
	DC160-05-10.500F1-	10,5		56	118	71	45	12	☺
	DC160-05-10.600F1-	10,6		56	118	71	45	12	☺
	DC160-05-10.700F1-	10,7		56	118	71	45	12	☺
	DC160-05-10.800F1-	10,8		56	118	71	45	12	☺
	DC160-05-10.900F1-	10,9		56	118	71	45	12	☺
	DC160-05-11.000F1-	11		56	118	71	45	12	☺
	DC160-05-11.100F1-	11,1		56	118	71	45	12	☺
	DC160-05-11.200F1-	11,2		56	118	71	45	12	☺
	DC160-05-11.300F1-	11,3		56	118	71	45	12	☺
	DC160-05-11.400F1-	11,4		56	118	71	45	12	☺
	DC160-05-11.500F1-	11,5		56	118	71	45	12	☺

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

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

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
	DC160-05-11.550F1-	11,55		56	118	71	45	12	☹
	DC160-05-11.600F1-	11,6		56	118	71	45	12	☹
	DC160-05-11.700F1-	11,7		56	118	71	45	12	☹
	DC160-05-11.800F1-	11,8		56	118	71	45	12	☹
	DC160-05-11.900F1-	11,9		56	118	71	45	12	☹
	DC160-05-12.000F1-	12		56	118	71	45	12	☹
	DC160-05-12.100F1-	12,1		60	124	77	45	14	☹
	DC160-05-12.200F1-	12,2		60	124	77	45	14	☹
	DC160-05-12.250F1-	12,25		60	124	77	45	14	☹
	DC160-05-12.300F1-	12,3		60	124	77	45	14	☹
	DC160-05-12.400F1-	12,4		60	124	77	45	14	☹
	DC160-05-12.500F1-	12,5		60	124	77	45	14	☹
	DC160-05-12.600F1-	12,6		60	124	77	45	14	☹
	DC160-05-12.700F1-	12,700	1/2"	60	124	77	45	14	☹
	DC160-05-12.750F1-	12,75		60	124	77	45	14	☹
	DC160-05-12.800F1-	12,8		60	124	77	45	14	☹
	DC160-05-12.900F1-	12,9		60	124	77	45	14	☹
	DC160-05-13.000F1-	13		60	124	77	45	14	☹
	DC160-05-13.100F1-	13,1		60	124	77	45	14	☹
	DC160-05-13.200F1-	13,2		60	124	77	45	14	☹
	DC160-05-13.300F1-	13,3		60	124	77	45	14	☹
	DC160-05-13.400F1-	13,4		60	124	77	45	14	☹
	DC160-05-13.500F1-	13,5		60	124	77	45	14	☹
	DC160-05-13.600F1-	13,6		60	124	77	45	14	☹
	DC160-05-13.700F1-	13,7		60	124	77	45	14	☹
	DC160-05-13.800F1-	13,8		60	124	77	45	14	☹
	DC160-05-13.900F1-	13,9		60	124	77	45	14	☹
	DC160-05-14.000F1-	14		60	124	77	45	14	☹
	DC160-05-14.100F1-	14,1		63	133	83	48	16	☹
	DC160-05-14.200F1-	14,2		63	133	83	48	16	☹
	DC160-05-14.300F1-	14,3		63	133	83	48	16	☹
	DC160-05-14.400F1-	14,4		63	133	83	48	16	☹
	DC160-05-14.500F1-	14,5		63	133	83	48	16	☹
	DC160-05-14.600F1-	14,6		63	133	83	48	16	☹
DC160-05-14.700F1-	14,7		63	133	83	48	16	☹	
DC160-05-14.750F1-	14,75		63	133	83	48	16	☹	
DC160-05-14.800F1-	14,8		63	133	83	48	16	☹	
DC160-05-14.900F1-	14,9		63	133	83	48	16	☹	
DC160-05-15.000F1-	15		63	133	83	48	16	☹	
DC160-05-15.100F1-	15,1		63	133	83	48	16	☹	
DC160-05-15.200F1-	15,2		63	133	83	48	16	☹	
DC160-05-15.300F1-	15,3		63	133	83	48	16	☹	
DC160-05-15.400F1-	15,4		63	133	83	48	16	☹	
DC160-05-15.500F1-	15,5		63	133	83	48	16	☹	
DC160-05-15.600F1-	15,6		63	133	83	48	16	☹	
DC160-05-15.700F1-	15,7		63	133	83	48	16	☹	

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

**WALTER  
SELECT**

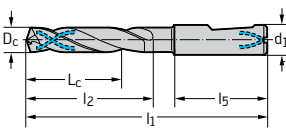
 ●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹☹ machining conditions

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30ET
		m7 mm		mm	mm	mm	mm	mm	
	DC160-05-15.800F1-	15,8		63	133	83	48	16	☹
	DC160-05-15.900F1-	15,9		63	133	83	48	16	☹
	DC160-05-16.000F1-	16		63	133	83	48	16	☹
	DC160-05-16.100F1-	16,1		71	143	93	48	18	☹
	DC160-05-16.200F1-	16,2		71	143	93	48	18	☹
	DC160-05-16.300F1-	16,3		71	143	93	48	18	☹
	DC160-05-16.400F1-	16,4		71	143	93	48	18	☹
	DC160-05-16.500F1-	16,5		71	143	93	48	18	☹
	DC160-05-16.600F1-	16,6		71	143	93	48	18	☹
	DC160-05-16.700F1-	16,7		71	143	93	48	18	☹
	DC160-05-16.750F1-	16,75		71	143	93	48	18	☹
	DC160-05-16.800F1-	16,8		71	143	93	48	18	☹
	DC160-05-16.900F1-	16,9		71	143	93	48	18	☹
	DC160-05-17.000F1-	17		71	143	93	48	18	☹
	DC160-05-17.100F1-	17,1		71	143	93	48	18	☹
	DC160-05-17.200F1-	17,2		71	143	93	48	18	☹
	DC160-05-17.300F1-	17,3		71	143	93	48	18	☹
	DC160-05-17.400F1-	17,4		71	143	93	48	18	☹
	DC160-05-17.500F1-	17,5		71	143	93	48	18	☹
	DC160-05-17.600F1-	17,6		71	143	93	48	18	☹
	DC160-05-17.700F1-	17,7		71	143	93	48	18	☹
	DC160-05-17.800F1-	17,8		71	143	93	48	18	☹
	DC160-05-17.900F1-	17,9		71	143	93	48	18	☹
	DC160-05-18.000F1-	18		71	143	93	48	18	☹
	DC160-05-18.100F1-	18,1		77	153	101	50	20	☹
	DC160-05-18.200F1-	18,2		77	153	101	50	20	☹
	DC160-05-18.300F1-	18,3		77	153	101	50	20	☹
	DC160-05-18.400F1-	18,4		77	153	101	50	20	☹
	DC160-05-18.500F1-	18,5		77	153	101	50	20	☹
	DC160-05-18.600F1-	18,6		77	153	101	50	20	☹
	DC160-05-18.700F1-	18,7		77	153	101	50	20	☹
	DC160-05-18.800F1-	18,8		77	153	101	50	20	☹
	DC160-05-18.900F1-	18,9		77	153	101	50	20	☹
	DC160-05-19.000F1-	19		77	153	101	50	20	☹
	DC160-05-19.100F1-	19,1		77	153	101	50	20	☹
	DC160-05-19.200F1-	19,2		77	153	101	50	20	☹
	DC160-05-19.300F1-	19,3		77	153	101	50	20	☹
	DC160-05-19.400F1-	19,4		77	153	101	50	20	☹
	DC160-05-19.500F1-	19,5		77	153	101	50	20	☹
	DC160-05-19.600F1-	19,6		77	153	101	50	20	☹
	DC160-05-19.700F1-	19,7		77	153	101	50	20	☹
	DC160-05-19.800F1-	19,8		77	153	101	50	20	☹
	DC160-05-19.900F1-	19,9		77	153	101	50	20	☹
	DC160-05-20.000F1-	20		77	153	101	50	20	☹
	DC160-05-20.500F1-	20,5		86	166	108	56	25	☹
	DC160-05-21.000F1-	21		86	166	108	56	25	☹

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

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

B1

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
 <p>DIN 6535 HE</p>	DC160-05-21.500F1-	21,5		86	166	108	56	25	☺☺
	DC160-05-22.000F1-	22		86	166	108	56	25	☺☺
	DC160-05-22.500F1-	22,5		91	173	115	56	25	☺☺
	DC160-05-23.000F1-	23		91	173	115	56	25	☺☺
	DC160-05-23.500F1-	23,5		91	173	115	56	25	☺☺
	DC160-05-24.000F1-	24		91	173	115	56	25	☺☺
	DC160-05-24.500F1-	24,5		97	180	122	56	25	☺☺
	DC160-05-25.000F1-	25		97	180	122	56	25	☺☺

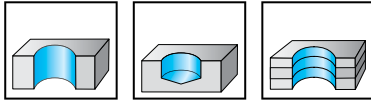
Ordering example for the grade WJ30ET: DC160-05-03.000A1-WJ30ET

B1



# Solid carbide drills with coolant-through

## DC150 Perform



	P	M	K	N	S	H	O
WJ30RE	●●	●	●●●	●●●	●●●	●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
<p>DIN 6535 HA</p>	DC150-05-03.000A1-	3		23	66	28	36	6	☺
	DC150-05-03.100A1-	3,1		23	66	28	36	6	☺
	DC150-05-03.175A1-	3,175	1/8"	23	66	28	36	6	☺
	DC150-05-03.200A1-	3,2		23	66	28	36	6	☺
	DC150-05-03.250A1-	3,25		23	66	28	36	6	☺
	DC150-05-03.300A1-	3,3		23	66	28	36	6	☺
	DC150-05-03.400A1-	3,4		23	66	28	36	6	☺
	DC150-05-03.500A1-	3,5		23	66	28	36	6	☺
	DC150-05-03.572A1-	3,572	9/64"	23	66	28	36	6	☺
	DC150-05-03.600A1-	3,6		23	66	28	36	6	☺
	DC150-05-03.650A1-	3,65		23	66	28	36	6	☺
	DC150-05-03.700A1-	3,7		23	66	28	36	6	☺
	DC150-05-03.800A1-	3,8		29	74	36	36	6	☺
	DC150-05-03.900A1-	3,9		29	74	36	36	6	☺
	DC150-05-03.969A1-	3,969	5/32"	29	74	36	36	6	☺
	DC150-05-04.000A1-	4		29	74	36	36	6	☺
	DC150-05-04.100A1-	4,1		29	74	36	36	6	☺
	DC150-05-04.200A1-	4,2		29	74	36	36	6	☺
	DC150-05-04.300A1-	4,3		29	74	36	36	6	☺
	DC150-05-04.366A1-	4,366	11/64"	29	74	36	36	6	☺
	DC150-05-04.400A1-	4,4		29	74	36	36	6	☺
	DC150-05-04.500A1-	4,5		29	74	36	36	6	☺
	DC150-05-04.600A1-	4,6		29	74	36	36	6	☺
	DC150-05-04.650A1-	4,65		29	74	36	36	6	☺
	DC150-05-04.700A1-	4,7		29	74	36	36	6	☺
	DC150-05-04.763A1-	4,763	3/16"	35	82	44	36	6	☺
	DC150-05-04.800A1-	4,8		35	82	44	36	6	☺
	DC150-05-04.900A1-	4,9		35	82	44	36	6	☺
	DC150-05-05.000A1-	5		35	82	44	36	6	☺
	DC150-05-05.100A1-	5,1		35	82	44	36	6	☺
	DC150-05-05.159A1-	5,159	13/64"	35	82	44	36	6	☺
	DC150-05-05.200A1-	5,2		35	82	44	36	6	☺
	DC150-05-05.300A1-	5,3		35	82	44	36	6	☺
DC150-05-05.400A1-	5,4		35	82	44	36	6	☺	
DC150-05-05.500A1-	5,5		35	82	44	36	6	☺	
DC150-05-05.550A1-	5,55		35	82	44	36	6	☺	

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

**WALTER SELECT**

●● Primary application ● Other application

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30RE
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC150-05-05.556A1-	5,556	7/32"	35	82	44	36	6	☹
	DC150-05-05.600A1-	5,6		35	82	44	36	6	☹
	DC150-05-05.700A1-	5,7		35	82	44	36	6	☹
	DC150-05-05.800A1-	5,8		35	82	44	36	6	☹
	DC150-05-05.900A1-	5,9		35	82	44	36	6	☹
	DC150-05-05.953A1-	5,953	15/64"	35	82	44	36	6	☹
	DC150-05-06.000A1-	6		35	82	44	36	6	☹
	DC150-05-06.100A1-	6,1		43	91	53	36	8	☹
	DC150-05-06.200A1-	6,2		43	91	53	36	8	☹
	DC150-05-06.300A1-	6,3		43	91	53	36	8	☹
	DC150-05-06.350A1-	6,350	1/4"	43	91	53	36	8	☹
	DC150-05-06.400A1-	6,4		43	91	53	36	8	☹
	DC150-05-06.500A1-	6,5		43	91	53	36	8	☹
	DC150-05-06.600A1-	6,6		43	91	53	36	8	☹
	DC150-05-06.700A1-	6,7		43	91	53	36	8	☹
	DC150-05-06.747A1-	6,747	17/64"	43	91	53	36	8	☹
	DC150-05-06.800A1-	6,8		43	91	53	36	8	☹
	DC150-05-06.900A1-	6,9		43	91	53	36	8	☹
	DC150-05-07.000A1-	7		43	91	53	36	8	☹
	DC150-05-07.100A1-	7,1		43	91	53	36	8	☹
	DC150-05-07.144A1-	7,144	9/32"	43	91	53	36	8	☹
	DC150-05-07.200A1-	7,2		43	91	53	36	8	☹
	DC150-05-07.300A1-	7,3		43	91	53	36	8	☹
	DC150-05-07.400A1-	7,4		43	91	53	36	8	☹
	DC150-05-07.500A1-	7,5		43	91	53	36	8	☹
	DC150-05-07.541A1-	7,541	19/64"	43	91	53	36	8	☹
	DC150-05-07.550A1-	7,55		43	91	53	36	8	☹
	DC150-05-07.600A1-	7,6		43	91	53	36	8	☹
	DC150-05-07.700A1-	7,7		43	91	53	36	8	☹
	DC150-05-07.800A1-	7,8		43	91	53	36	8	☹
	DC150-05-07.900A1-	7,9		43	91	53	36	8	☹
	DC150-05-07.938A1-	7,938	5/16"	43	91	53	36	8	☹
	DC150-05-08.000A1-	8		43	91	53	36	8	☹
	DC150-05-08.100A1-	8,1		49	103	61	40	10	☹
DC150-05-08.200A1-	8,2		49	103	61	40	10	☹	
DC150-05-08.300A1-	8,3		49	103	61	40	10	☹	
DC150-05-08.334A1-	8,334	21/64"	49	103	61	40	10	☹	
DC150-05-08.400A1-	8,4		49	103	61	40	10	☹	
DC150-05-08.500A1-	8,5		49	103	61	40	10	☹	
DC150-05-08.600A1-	8,6		49	103	61	40	10	☹	
DC150-05-08.700A1-	8,7		49	103	61	40	10	☹	
DC150-05-08.731A1-	8,731	11/32"	49	103	61	40	10	☹	
DC150-05-08.800A1-	8,8		49	103	61	40	10	☹	
DC150-05-08.900A1-	8,9		49	103	61	40	10	☹	
DC150-05-09.000A1-	9		49	103	61	40	10	☹	
DC150-05-09.100A1-	9,1		49	103	61	40	10	☹	

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

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30RE
		m7 mm							
	DC150-05-09.128A1-	9,128	23/64"	49	103	61	40	10	☺
	DC150-05-09.200A1-	9,2		49	103	61	40	10	☺
	DC150-05-09.300A1-	9,3		49	103	61	40	10	☺
	DC150-05-09.400A1-	9,4		49	103	61	40	10	☺
	DC150-05-09.500A1-	9,5		49	103	61	40	10	☺
	DC150-05-09.525A1-	9,525	3/8"	49	103	61	40	10	☺
	DC150-05-09.550A1-	9,55		49	103	61	40	10	☺
	DC150-05-09.600A1-	9,6		49	103	61	40	10	☺
	DC150-05-09.700A1-	9,7		49	103	61	40	10	☺
	DC150-05-09.800A1-	9,8		49	103	61	40	10	☺
	DC150-05-09.900A1-	9,9		49	103	61	40	10	☺
	DC150-05-09.922A1-	9,922	25/64"	49	103	61	40	10	☺
	DC150-05-10.000A1-	10		49	103	61	40	10	☺
	DC150-05-10.100A1-	10,1		56	118	71	45	12	☺
	DC150-05-10.200A1-	10,2		56	118	71	45	12	☺
	DC150-05-10.300A1-	10,3		56	118	71	45	12	☺
	DC150-05-10.319A1-	10,319	13/32"	56	118	71	45	12	☺
	DC150-05-10.400A1-	10,4		56	118	71	45	12	☺
	DC150-05-10.500A1-	10,5		56	118	71	45	12	☺
	DC150-05-10.600A1-	10,6		56	118	71	45	12	☺
	DC150-05-10.700A1-	10,7		56	118	71	45	12	☺
	DC150-05-10.716A1-	10,716	27/64"	56	118	71	45	12	☺
	DC150-05-10.800A1-	10,8		56	118	71	45	12	☺
	DC150-05-10.900A1-	10,9		56	118	71	45	12	☺
	DC150-05-11.000A1-	11		56	118	71	45	12	☺
	DC150-05-11.100A1-	11,1		56	118	71	45	12	☺
	DC150-05-11.113A1-	11,113	7/16"	56	118	71	45	12	☺
	DC150-05-11.200A1-	11,2		56	118	71	45	12	☺
	DC150-05-11.300A1-	11,3		56	118	71	45	12	☺
	DC150-05-11.400A1-	11,4		56	118	71	45	12	☺
	DC150-05-11.500A1-	11,5		56	118	71	45	12	☺
	DC150-05-11.509A1-	11,509	29/64"	56	118	71	45	12	☺
	DC150-05-11.600A1-	11,6		56	118	71	45	12	☺
	DC150-05-11.700A1-	11,7		56	118	71	45	12	☺
	DC150-05-11.800A1-	11,8		56	118	71	45	12	☺
	DC150-05-11.900A1-	11,9		56	118	71	45	12	☺
	DC150-05-11.906A1-	11,906	15/32"	56	118	71	45	12	☺
	DC150-05-12.000A1-	12		56	118	71	45	12	☺
	DC150-05-12.100A1-	12,1		60	124	77	45	14	☺
	DC150-05-12.200A1-	12,2		60	124	77	45	14	☺
	DC150-05-12.250A1-	12,25		60	124	77	45	14	☺
	DC150-05-12.300A1-	12,3		60	124	77	45	14	☺
	DC150-05-12.303A1-	12,303	31/64"	60	124	77	45	14	☺
	DC150-05-12.400A1-	12,4		60	124	77	45	14	☺
	DC150-05-12.500A1-	12,5		60	124	77	45	14	☺
	DC150-05-12.600A1-	12,6		60	124	77	45	14	☺

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

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

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
<p>DIN 6535 HA</p>	DC150-05-12.700A1-	12,700	1/2"	60	124	77	45	14	☹
	DC150-05-12.800A1-	12,8		60	124	77	45	14	☹
	DC150-05-12.900A1-	12,9		60	124	77	45	14	☹
	DC150-05-13.000A1-	13		60	124	77	45	14	☹
	DC150-05-13.100A1-	13,1		60	124	77	45	14	☹
	DC150-05-13.200A1-	13,2		60	124	77	45	14	☹
	DC150-05-13.300A1-	13,3		60	124	77	45	14	☹
	DC150-05-13.400A1-	13,4		60	124	77	45	14	☹
	DC150-05-13.494A1-	13,494	17/32"	60	124	77	45	14	☹
	DC150-05-13.500A1-	13,5		60	124	77	45	14	☹
	DC150-05-13.600A1-	13,6		60	124	77	45	14	☹
	DC150-05-13.700A1-	13,7		60	124	77	45	14	☹
	DC150-05-13.800A1-	13,8		60	124	77	45	14	☹
	DC150-05-13.900A1-	13,9		60	124	77	45	14	☹
	DC150-05-14.000A1-	14		60	124	77	45	14	☹
	DC150-05-14.100A1-	14,1		63	133	83	48	16	☹
	DC150-05-14.200A1-	14,2		63	133	83	48	16	☹
	DC150-05-14.288A1-	14,288	9/16"	63	133	83	48	16	☹
	DC150-05-14.300A1-	14,3		63	133	83	48	16	☹
	DC150-05-14.500A1-	14,5		63	133	83	48	16	☹
	DC150-05-14.600A1-	14,6		63	133	83	48	16	☹
	DC150-05-14.700A1-	14,7		63	133	83	48	16	☹
	DC150-05-14.750A1-	14,75		63	133	83	48	16	☹
	DC150-05-14.800A1-	14,8		63	133	83	48	16	☹
	DC150-05-15.000A1-	15		63	133	83	48	16	☹
	DC150-05-15.100A1-	15,1		63	133	83	48	16	☹
	DC150-05-15.200A1-	15,2		63	133	83	48	16	☹
	DC150-05-15.300A1-	15,3		63	133	83	48	16	☹
	DC150-05-15.500A1-	15,5		63	133	83	48	16	☹
	DC150-05-15.600A1-	15,6		63	133	83	48	16	☹
	DC150-05-15.700A1-	15,7		63	133	83	48	16	☹
	DC150-05-15.800A1-	15,8		63	133	83	48	16	☹
	DC150-05-15.875A1-	15,875	5/8"	63	133	83	48	16	☹
	DC150-05-16.000A1-	16		63	133	83	48	16	☹
DC150-05-16.100A1-	16,1		71	143	93	48	18	☹	
DC150-05-16.200A1-	16,2		71	143	93	48	18	☹	
DC150-05-16.300A1-	16,3		71	143	93	48	18	☹	
DC150-05-16.500A1-	16,5		71	143	93	48	18	☹	
DC150-05-16.700A1-	16,7		71	143	93	48	18	☹	
DC150-05-16.750A1-	16,75		71	143	93	48	18	☹	
DC150-05-17.000A1-	17		71	143	93	48	18	☹	
DC150-05-17.100A1-	17,1		71	143	93	48	18	☹	
DC150-05-17.200A1-	17,2		71	143	93	48	18	☹	
DC150-05-17.300A1-	17,3		71	143	93	48	18	☹	
DC150-05-17.500A1-	17,5		71	143	93	48	18	☹	
DC150-05-17.600A1-	17,6		71	143	93	48	18	☹	

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

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
	DC150-05-17.700A1-	17,7		71	143	93	48	18	☺☺
	DC150-05-17.800A1-	17,8		71	143	93	48	18	☺☺
	DC150-05-17.900A1-	17,9		71	143	93	48	18	☺☺
	DC150-05-18.000A1-	18		71	143	93	48	18	☺☺
	DC150-05-18.500A1-	18,5		77	153	101	50	20	☺☺
	DC150-05-18.900A1-	18,9		77	153	101	50	20	☺☺
	DC150-05-19.000A1-	19		77	153	101	50	20	☺☺
	DC150-05-19.050A1-	19,050	3/4"	77	153	101	50	20	☺☺
	DC150-05-19.300A1-	19,3		77	153	101	50	20	☺☺
	DC150-05-19.500A1-	19,5		77	153	101	50	20	☺☺
	DC150-05-19.700A1-	19,7		77	153	101	50	20	☺☺
	DC150-05-19.800A1-	19,8		77	153	101	50	20	☺☺
	DC150-05-20.000A1-	20		77	153	101	50	20	☺☺
<p>DIN 6535 HE, turned 180° DIN 6535 HB</p>	DC150-05-03.000D1-	3		23	66	28	36	6	☺☺
	DC150-05-03.100D1-	3,1		23	66	28	36	6	☺☺
	DC150-05-03.200D1-	3,2		23	66	28	36	6	☺☺
	DC150-05-03.300D1-	3,3		23	66	28	36	6	☺☺
	DC150-05-03.400D1-	3,4		23	66	28	36	6	☺☺
	DC150-05-03.500D1-	3,5		23	66	28	36	6	☺☺
	DC150-05-03.600D1-	3,6		23	66	28	36	6	☺☺
	DC150-05-03.700D1-	3,7		23	66	28	36	6	☺☺
	DC150-05-03.800D1-	3,8		29	74	36	36	6	☺☺
	DC150-05-03.900D1-	3,9		29	74	36	36	6	☺☺
	DC150-05-04.000D1-	4		29	74	36	36	6	☺☺
	DC150-05-04.100D1-	4,1		29	74	36	36	6	☺☺
	DC150-05-04.200D1-	4,2		29	74	36	36	6	☺☺
	DC150-05-04.300D1-	4,3		29	74	36	36	6	☺☺
	DC150-05-04.400D1-	4,4		29	74	36	36	6	☺☺
	DC150-05-04.500D1-	4,5		29	74	36	36	6	☺☺
	DC150-05-04.600D1-	4,6		29	74	36	36	6	☺☺
	DC150-05-04.650D1-	4,65		29	74	36	36	6	☺☺
	DC150-05-04.700D1-	4,7		29	74	36	36	6	☺☺
	DC150-05-04.800D1-	4,8		35	82	44	36	6	☺☺
	DC150-05-04.900D1-	4,9		35	82	44	36	6	☺☺
	DC150-05-05.000D1-	5		35	82	44	36	6	☺☺
	DC150-05-05.100D1-	5,1		35	82	44	36	6	☺☺
	DC150-05-05.200D1-	5,2		35	82	44	36	6	☺☺
	DC150-05-05.300D1-	5,3		35	82	44	36	6	☺☺
	DC150-05-05.400D1-	5,4		35	82	44	36	6	☺☺
	DC150-05-05.500D1-	5,5		35	82	44	36	6	☺☺
	DC150-05-05.550D1-	5,55		35	82	44	36	6	☺☺
	DC150-05-05.600D1-	5,6		35	82	44	36	6	☺☺
	DC150-05-05.700D1-	5,7		35	82	44	36	6	☺☺
	DC150-05-05.800D1-	5,8		35	82	44	36	6	☺☺
	DC150-05-05.900D1-	5,9		35	82	44	36	6	☺☺
DC150-05-06.000D1-	6		35	82	44	36	6	☺☺	

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

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

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30RE
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HE, turned 180° DIN 6535 HB</p>	DC150-05-06.100D1-	6,1		43	91	53	36	8	☹
	DC150-05-06.200D1-	6,2		43	91	53	36	8	☹
	DC150-05-06.300D1-	6,2		43	91	53	36	8	☹
	DC150-05-06.400D1-	6,4		43	91	53	36	8	☹
	DC150-05-06.500D1-	6,5		43	91	53	36	8	☹
	DC150-05-06.600D1-	6,6		43	91	53	36	8	☹
	DC150-05-06.700D1-	6,7		43	91	53	36	8	☹
	DC150-05-06.800D1-	6,8		43	91	53	36	8	☹
	DC150-05-06.900D1-	6,9		43	91	53	36	8	☹
	DC150-05-07.000D1-	7		43	91	53	36	8	☹
	DC150-05-07.100D1-	7,1		43	91	53	36	8	☹
	DC150-05-07.200D1-	7,2		43	91	53	36	8	☹
	DC150-05-07.300D1-	7,3		43	91	53	36	8	☹
	DC150-05-07.400D1-	7,4		43	91	53	36	8	☹
	DC150-05-07.500D1-	7,5		43	91	53	36	8	☹
	DC150-05-07.600D1-	7,6		43	91	53	36	8	☹
	DC150-05-07.700D1-	7,7		43	91	53	36	8	☹
	DC150-05-07.800D1-	7,8		43	91	53	36	8	☹
	DC150-05-07.900D1-	7,9		43	91	53	36	8	☹
	DC150-05-08.000D1-	8		43	91	53	36	8	☹
	DC150-05-08.100D1-	8,1		49	103	61	40	10	☹
	DC150-05-08.200D1-	8,2		49	103	61	40	10	☹
	DC150-05-08.300D1-	8,3		49	103	61	40	10	☹
	DC150-05-08.400D1-	8,4		49	103	61	40	10	☹
	DC150-05-08.500D1-	8,5		49	103	61	40	10	☹
	DC150-05-08.600D1-	8,6		49	103	61	40	10	☹
	DC150-05-08.700D1-	8,7		49	103	61	40	10	☹
	DC150-05-08.800D1-	8,8		49	103	61	40	10	☹
	DC150-05-09.000D1-	9		49	103	61	40	10	☹
	DC150-05-09.100D1-	9,1		49	103	61	40	10	☹
	DC150-05-09.200D1-	9,2		49	103	61	40	10	☹
	DC150-05-09.300D1-	9,3		49	103	61	40	10	☹
	DC150-05-09.400D1-	9,4		49	103	61	40	10	☹
DC150-05-09.500D1-	9,5		49	103	61	40	10	☹	
DC150-05-09.600D1-	9,6		49	103	61	40	10	☹	
DC150-05-09.700D1-	9,7		49	103	61	40	10	☹	
DC150-05-09.800D1-	9,8		49	103	61	40	10	☹	
DC150-05-09.900D1-	9,9		49	103	61	40	10	☹	
DC150-05-10.000D1-	10		49	103	61	40	10	☹	
DC150-05-10.100D1-	10,1		56	118	71	45	12	☹	
DC150-05-10.200D1-	10,2		56	118	71	45	12	☹	
DC150-05-10.300D1-	10,3		56	118	71	45	12	☹	
DC150-05-10.400D1-	10,4		56	118	71	45	12	☹	
DC150-05-10.500D1-	10,5		56	118	71	45	12	☹	
DC150-05-10.600D1-	10,6		56	118	71	45	12	☹	
DC150-05-10.800D1-	10,8		56	118	71	45	12	☹	

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

Tool	Designation	D <sub>c</sub>	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30RE
		m7 mm						
	DC150-05-11.000D1-	11	56	118	71	45	12	☺
	DC150-05-11.100D1-	11,1	56	118	71	45	12	☺
	DC150-05-11.200D1-	11,2	56	118	71	45	12	☺
	DC150-05-11.300D1-	11,3	56	118	71	45	12	☺
	DC150-05-11.500D1-	11,5	56	118	71	45	12	☺
	DC150-05-11.600D1-	11,6	56	118	71	45	12	☺
	DC150-05-11.700D1-	11,7	56	118	71	45	12	☺
	DC150-05-11.800D1-	11,8	56	118	71	45	12	☺
	DC150-05-11.900D1-	11,9	56	118	71	45	12	☺
	DC150-05-12.000D1-	12	56	118	71	45	12	☺
	DC150-05-12.100D1-	12,1	60	124	77	45	14	☺
	DC150-05-12.200D1-	12,2	60	124	77	45	14	☺
	DC150-05-12.300D1-	12,3	60	124	77	45	14	☺
	DC150-05-12.400D1-	12,4	60	124	77	45	14	☺
	DC150-05-12.500D1-	12,5	60	124	77	45	14	☺
	DC150-05-12.700D1-	12,700	1/2"	60	124	77	14	☺
	DC150-05-12.800D1-	12,8	60	124	77	45	14	☺
	DC150-05-13.000D1-	13	60	124	77	45	14	☺
	DC150-05-13.100D1-	13,1	60	124	77	45	14	☺
	DC150-05-13.200D1-	13,2	60	124	77	45	14	☺
	DC150-05-13.500D1-	13,5	60	124	77	45	14	☺
	DC150-05-13.800D1-	13,8	60	124	77	45	14	☺
	DC150-05-14.000D1-	14	60	124	77	45	14	☺
	DC150-05-14.100D1-	14,1	63	133	83	48	16	☺
	DC150-05-14.200D1-	14,2	63	133	83	48	16	☺
	DC150-05-14.300D1-	14,3	63	133	83	48	16	☺
	DC150-05-14.500D1-	14,5	63	133	83	48	16	☺
	DC150-05-14.600D1-	14,6	63	133	83	48	16	☺
	DC150-05-14.800D1-	14,8	63	133	83	48	16	☺
	DC150-05-15.000D1-	15	63	133	83	48	16	☺
	DC150-05-15.100D1-	15,1	63	133	83	48	16	☺
	DC150-05-15.200D1-	15,2	63	133	83	48	16	☺
	DC150-05-15.300D1-	15,3	63	133	83	48	16	☺
	DC150-05-15.500D1-	15,5	63	133	83	48	16	☺
	DC150-05-15.600D1-	15,6	63	133	83	48	16	☺
	DC150-05-15.700D1-	15,7	63	133	83	48	16	☺
	DC150-05-15.800D1-	15,8	63	133	83	48	16	☺
	DC150-05-16.000D1-	16	63	133	83	48	16	☺
	DC150-05-16.500D1-	16,5	71	143	93	48	18	☺
	DC150-05-16.600D1-	16,6	71	143	93	48	18	☺
	DC150-05-17.000D1-	17	71	143	93	48	18	☺
	DC150-05-17.200D1-	17,2	71	143	93	48	18	☺
	DC150-05-17.300D1-	17,3	71	143	93	48	18	☺
	DC150-05-17.500D1-	17,5	71	143	93	48	18	☺
	DC150-05-17.700D1-	17,7	71	143	93	48	18	☺
	DC150-05-17.800D1-	17,8	71	143	93	48	18	☺

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

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

B1

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30RE	
	DC150-05-18.000D1-	18		71	143	93	48	18	☺☺	
	DC150-05-18.100D1-	18,1		77	153	101	50	20	☺☺	
	DC150-05-18.500D1-	18,5		77	153	101	50	20	☺☺	
	DC150-05-18.800D1-	18,8		77	153	101	50	20	☺☺	
	DIN 6535 HE, turned 180° DIN 6535 HB	DC150-05-19.000D1-	19		77	153	101	50	20	☺☺
		DC150-05-19.500D1-	19,5		77	153	101	50	20	☺☺
		DC150-05-19.700D1-	19,7		77	153	101	50	20	☺☺
		DC150-05-20.000D1-	20		77	153	101	50	20	☺☺

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

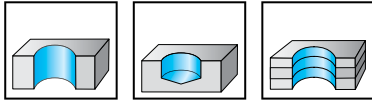
B1



# Solid carbide drills with coolant-through

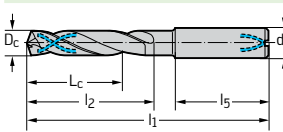
## A3389DPL

### X-treme Plus



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

#### Tool



DIN 6535 HA

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
A3389DPL-3	3		23	66	28	36	6
A3389DPL-3.1	3,1		23	66	28	36	6
A3389DPL-1/8IN	3,175	1/8"	23	66	28	36	6
A3389DPL-3.2	3,2		23	66	28	36	6
A3389DPL-3.25	3,25		22	66	28	36	6
A3389DPL-3.3	3,3		23	66	28	36	6
A3389DPL-3.4	3,4		23	66	28	36	6
A3389DPL-3.5	3,5		23	66	28	36	6
A3389DPL-9/64IN	3,572	9/64"	23	66	28	36	6
A3389DPL-3.6	3,6		23	66	28	36	6
A3389DPL-3.7	3,7		23	66	28	36	6
A3389DPL-3.8	3,8		29	74	36	36	6
A3389DPL-3.9	3,9		29	74	36	36	6
A3389DPL-5/32IN	3,969	5/32"	29	74	36	36	6
A3389DPL-4	4		29	74	36	36	6
A3389DPL-4.1	4,1		29	74	36	36	6
A3389DPL-4.2	4,2		29	74	36	36	6
A3389DPL-4.3	4,3		29	74	36	36	6
A3389DPL-11/64IN	4,366	11/64"	29	74	36	36	6
A3389DPL-4.4	4,4		29	74	36	36	6
A3389DPL-4.5	4,5		29	74	36	36	6
A3389DPL-4.6	4,6		29	74	36	36	6
A3389DPL-4.65	4,65		29	74	36	36	6
A3389DPL-4.7	4,7		29	74	36	36	6
A3389DPL-3/16IN	4,763	3/16"	35	82	44	36	6
A3389DPL-4.8	4,8		35	82	44	36	6
A3389DPL-4.9	4,9		35	82	44	36	6
A3389DPL-5	5		35	82	44	36	6
A3389DPL-5.1	5,1		35	82	44	36	6
A3389DPL-13/64IN	5,159	13/64"	35	82	44	36	6
A3389DPL-5.2	5,2		35	82	44	36	6
A3389DPL-5.3	5,3		35	82	44	36	6
A3389DPL-5.4	5,4		35	82	44	36	6
A3389DPL-5.5	5,5		35	82	44	36	6
A3389DPL-5.55	5,55		35	82	44	36	6
A3389DPL-7/32IN	5,556	7/32"	35	82	44	36	6

**WALTER  
SELECT**

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$
		m7 mm		mm	mm	mm	mm	h6 mm
<p>DIN 6535 HA</p>	A3389DPL-5.6	5,6		35	82	44	36	6
	A3389DPL-5.7	5,7		35	82	44	36	6
	A3389DPL-5.8	5,8		35	82	44	36	6
	A3389DPL-5.9	5,9		35	82	44	36	6
	A3389DPL-15/64IN	5,953	15/64"	35	82	44	36	6
	A3389DPL-6	6		35	82	44	36	6
	A3389DPL-6.1	6,1		43	91	53	36	8
	A3389DPL-6.2	6,2		43	91	53	36	8
	A3389DPL-6.3	6,3		43	91	53	36	8
	A3389DPL-1/4IN	6,350	1/4"	43	91	53	36	8
	A3389DPL-6.4	6,4		43	91	53	36	8
	A3389DPL-6.5	6,5		43	91	53	36	8
	A3389DPL-6.6	6,6		43	91	53	36	8
	A3389DPL-6.7	6,7		43	91	53	36	8
	A3389DPL-17/64IN	6,747	17/64"	43	91	53	36	8
	A3389DPL-6.8	6,8		43	91	53	36	8
	A3389DPL-6.9	6,9		43	91	53	36	8
	A3389DPL-7	7		43	91	53	36	8
	A3389DPL-7.1	7,1		43	91	53	36	8
	A3389DPL-9/32IN	7,144	9/32"	43	91	53	36	8
	A3389DPL-7.2	7,2		43	91	53	36	8
	A3389DPL-7.3	7,3		43	91	53	36	8
	A3389DPL-7.4	7,4		43	91	53	36	8
	A3389DPL-7.5	7,5		43	91	53	36	8
	A3389DPL-19/64IN	7,541	19/64"	43	91	53	36	8
	A3389DPL-7.55	7,55		41	91	53	36	8
	A3389DPL-7.8	7,8		43	91	53	36	8
	A3389DPL-7.9	7,9		43	91	53	36	8
	A3389DPL-5/16IN	7,938	5/16"	43	91	53	36	8
	A3389DPL-8	8		43	91	53	36	8
	A3389DPL-8.1	8,1		49	103	61	40	10
	A3389DPL-8.2	8,2		49	103	61	40	10
	A3389DPL-8.3	8,3		49	103	61	40	10
A3389DPL-21/64IN	8,334	21/64"	49	103	61	40	10	
A3389DPL-8.4	8,4		49	103	61	40	10	
A3389DPL-8.5	8,5		49	103	61	40	10	
A3389DPL-8.6	8,6		49	103	61	40	10	
A3389DPL-8.7	8,7		49	103	61	40	10	
A3389DPL-11/32IN	8,731	11/32"	49	103	61	40	10	
A3389DPL-8.75	8,75		46	103	61	40	10	
A3389DPL-8.8	8,8		49	103	61	40	10	
A3389DPL-9	9		49	103	61	40	10	
A3389DPL-23/64IN	9,128	23/64"	49	103	61	40	10	
A3389DPL-9.2	9,2		49	103	61	40	10	
A3389DPL-9.3	9,3		49	103	61	40	10	
A3389DPL-9.5	9,5		49	103	61	40	10	

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
	A3389DPL-3/8IN	9,525	3/8"	49	103	61	40	10
	A3389DPL-9.6	9,6		49	103	61	40	10
	A3389DPL-9.7	9,7		49	103	61	40	10
	A3389DPL-9.8	9,8		49	103	61	40	10
	A3389DPL-9.9	9,9		46	103	61	40	10
	A3389DPL-25/64IN	9,922	25/64"	49	103	61	40	10
	A3389DPL-10	10		49	103	61	40	10
	A3389DPL-10.1	10,1		56	118	71	45	12
	A3389DPL-10.2	10,2		56	118	71	45	12
	A3389DPL-10.3	10,3		56	118	71	45	12
	A3389DPL-13/32IN	10,319	13/32"	56	118	71	45	12
	A3389DPL-10.4	10,4		56	118	71	45	12
	A3389DPL-10.5	10,5		56	118	71	45	12
	A3389DPL-27/64IN	10,716	27/64"	56	118	71	45	12
	A3389DPL-10.8	10,8		56	118	71	45	12
	A3389DPL-11	11		56	118	71	45	12
	A3389DPL-11.1	11,1		56	118	71	45	12
	A3389DPL-7/16IN	11,113	7/16"	56	118	71	45	12
	A3389DPL-11.2	11,2		56	118	71	45	12
	A3389DPL-11.3	11,3		53	118	71	45	12
	A3389DPL-11.4	11,4		53	118	71	45	12
	A3389DPL-11.5	11,5		56	118	71	45	12
	A3389DPL-29/64IN	11,509	29/64"	56	118	71	45	12
	A3389DPL-11.7	11,7		56	118	71	45	12
	A3389DPL-11.8	11,8		56	118	71	45	12
	A3389DPL-15/32IN	11,906	15/32"	56	118	71	45	12
	A3389DPL-12	12		56	118	71	45	12
	A3389DPL-12.1	12,1		60	124	77	45	14
	A3389DPL-12.2	12,2		60	124	77	45	14
	A3389DPL-12.3	12,3		60	124	77	45	14
	A3389DPL-31/64IN	12,303	31/64"	60	124	77	45	14
	A3389DPL-12.5	12,5		60	124	77	45	14
	A3389DPL-12.6	12,6		60	124	77	45	14
	A3389DPL-1/2IN	12,700	1/2"	60	124	77	45	14
	A3389DPL-13	13		60	124	77	45	14
	A3389DPL-13.1	13,1		63	124	77	45	14
	A3389DPL-13.3	13,3		60	124	77	45	14
	A3389DPL-17/32IN	13,494	17/32"	60	124	77	45	14
	A3389DPL-13.5	13,5		60	124	77	45	14
	A3389DPL-14	14		60	124	77	45	14
	A3389DPL-9/16IN	14,288	9/16"	63	133	83	48	16
	A3389DPL-14.5	14,5		63	133	83	48	16
	A3389DPL-15	15		63	133	83	48	16
	A3389DPL-15.1	15,1		67	133	83	48	16
	A3389DPL-15.3	15,3		67	133	83	48	16
	A3389DPL-15.5	15,5		63	133	83	48	16

B1

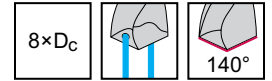
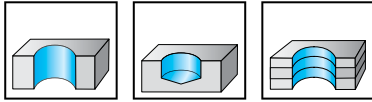
**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm
<p>DIN 6535 HA</p>	A3389DPL-5/8IN	15,875	5/8"	63	133	83	48	16
	A3389DPL-16	16		63	133	83	48	16
	A3389DPL-16.5	16,5		71	143	93	48	18
	A3389DPL-17	17		71	143	93	48	18
	A3389DPL-17.5	17,5		71	143	93	48	18
	A3389DPL-18	18		71	143	93	48	18
	A3389DPL-18.5	18,5		77	153	101	50	20
	A3389DPL-19	19		77	153	101	50	20
	A3389DPL-3/4IN	19,050	3/4"	77	153	101	50	20
	A3389DPL-20	20		77	153	101	50	20

B1

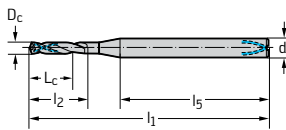
# Solid carbide micro drills with coolant-through

## DB133 Supreme



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

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ER
DB133-08-00.700A1-	0,7		6,9	50	8	35	3	☺
DB133-08-00.750A1-	0,75		7,8	50	9	34	3	☺
DB133-08-00.794A1-	0,794	1/32"	7,8	50	9	34	3	☺
DB133-08-00.800A1-	0,8		7,8	50	9	34	3	☺
DB133-08-00.850A1-	0,85		8,6	53	10	36	3	☺
DB133-08-00.900A1-	0,9		8,6	53	10	36	3	☺
DB133-08-00.950A1-	0,95		10,5	53	12	34	3	☺
DB133-08-01.000A1-	1		10,5	53	12	34	3	☺
DB133-08-01.050A1-	1,05		11	54	13	35	3	☺
DB133-08-01.100A1-	1,1		11	54	13	35	3	☺
DB133-08-01.150A1-	1,15		12	54	14	34	3	☺
DB133-08-01.191A1-	1,191	3/64"	12	54	14	34	3	☺
DB133-08-01.200A1-	1,2		12	54	14	34	3	☺
DB133-08-01.250A1-	1,25		12	54	14	34	3	☺
DB133-08-01.300A1-	1,3		13	57	15	36	3	☺
DB133-08-01.350A1-	1,35		13	57	16	35	3	☺
DB133-08-01.400A1-	1,4		13	57	16	35	3	☺
DB133-08-01.450A1-	1,45		14	57	17	34	3	☺
DB133-08-01.500A1-	1,5		14	57	17	34	3	☺
DB133-08-01.550A1-	1,55		15	60	18	37	3	☺
DB133-08-01.588A1-	1,588	1/16"	15	60	18	37	3	☺
DB133-08-01.600A1-	1,6		15	60	18	37	3	☺
DB133-08-01.650A1-	1,65		17	60	20	35	3	☺
DB133-08-01.700A1-	1,7		17	60	20	35	3	☺
DB133-08-01.750A1-	1,75		18	60	21	34	3	☺
DB133-08-01.800A1-	1,8		18	60	21	34	3	☺
DB133-08-01.820A1-	1,82		19	63	22	36	3	☺
DB133-08-01.850A1-	1,85		19	63	22	36	3	☺
DB133-08-01.900A1-	1,9		19	63	22	36	3	☺
DB133-08-01.950A1-	1,95		20	63	23	35	3	☺
DB133-08-01.984A1-	1,984	5/64"	20	63	23	35	3	☺
DB133-08-02.000A1-	2		20	63	23	35	3	☺
DB133-08-02.050A1-	2,05		20	63	24	35	3	☺
DB133-08-02.100A1-	2,1		20	63	24	35	3	☺
DB133-08-02.150A1-	2,15		21	63	25	34	3	☺
DB133-08-02.200A1-	2,2		21	63	25	34	3	☺

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

**WALTER  
SELECT**

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

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30ER
<p>DIN 6535 HA</p>	DB133-08-02.250A1-	2,25		22	67	26	37	3	☺
	DB133-08-02.300A1-	2,3		22	67	26	37	3	☺
	DB133-08-02.350A1-	2,35		24	67	28	35	3	☺
	DB133-08-02.381A1-	2,381	3/32"	24	67	28	35	3	☺
	DB133-08-02.400A1-	2,4		24	67	28	35	3	☺
	DB133-08-02.450A1-	2,45		25	67	29	34	3	☺
	DB133-08-02.500A1-	2,5		25	67	29	34	3	☺
	DB133-08-02.550A1-	2,55		26	71	30	37	3	☺
	DB133-08-02.600A1-	2,6		26	71	30	37	3	☺
	DB133-08-02.650A1-	2,65		26	71	31	37	3	☺
	DB133-08-02.700A1-	2,7		26	71	31	37	3	☺
	DB133-08-02.750A1-	2,75		27	71	32	36	3	☺
	DB133-08-02.778A1-	2,778	7/64"	27	71	32	36	3	☺
	DB133-08-02.800A1-	2,8		27	71	32	36	3	☺
	DB133-08-02.850A1-	2,85		28	71	33	35	3	☺
	DB133-08-02.900A1-	2,9		28	71	33	35	3	☺
	DB133-08-02.950A1-	2,95		29	71	34	34	3	☺

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

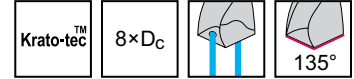
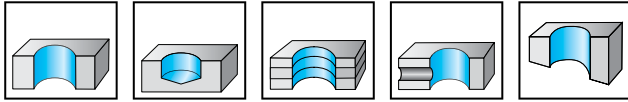
# Solid carbide twist drill 3 flutes

## DC183 Supreme

### X-treme Evo 3



– with innovative Krato-tec™ multilayer coating



	P	M	K	N	S	H	O
WJ30EY	●●	●	●●	●●	●		

B1

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

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

WALTER  
SELECT

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

# Solid carbide drills with coolant-through

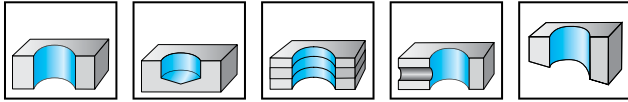
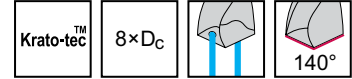
## DC180 Supreme

### X-treme Evo Plus

Powered by Krato-tec™



– with innovative Krato-tec™ multilayer coating



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

B1

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

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

**WALTER SELECT**

●● Primary application ● Other application

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



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

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

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

B1

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

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

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EY
<p>DIN 6535 HA</p>	★ DC180-08-17.000A1-	17		153	223	171	48	18	☹️
	★ DC180-08-17.500A1-	17,5		153	223	171	48	18	☹️
	★ DC180-08-18.000A1-	18		153	223	171	48	18	☹️
	★ DC180-08-18.500A1-	18,5		170	244	190	50	20	☹️
	★ DC180-08-19.000A1-	19		170	244	190	50	20	☹️
	★ DC180-08-19.050A1-	19,050	3/4"	170	244	190	50	20	☹️
	★ DC180-08-19.500A1-	19,5		170	244	190	50	20	☹️
	★ DC180-08-20.000A1-	20		170	244	190	50	20	☹️

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

B1

**WALTER SELECT**

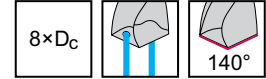
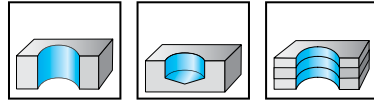
 ●● Primary application   ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

# Solid carbide twist drill

## DC175 Supreme



- Walter Precision cooling



	P	M	K	N	S	H	O
WJ30RY	●	●●	●	●	●●	●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RY
<p>DIN 6535 HA</p>	DC175-08-03.000A1-	3		28	74	34	36	6	☺
	DC175-08-03.100A1-	3,1		28	74	34	36	6	☺
	DC175-08-03.175A1-	3,175	1/8"	28	74	34	36	6	☺
	DC175-08-03.200A1-	3,2		28	74	34	36	6	☺
	DC175-08-03.300A1-	3,3		28	74	34	36	6	☺
	DC175-08-03.400A1-	3,4		28	74	34	36	6	☺
	DC175-08-03.500A1-	3,5		28	74	34	36	6	☺
	DC175-08-03.700A1-	3,7		28	74	34	36	6	☺
	DC175-08-03.800A1-	3,8		37	85	45	36	6	☺
	DC175-08-03.900A1-	3,9		37	85	45	36	6	☺
	DC175-08-04.000A1-	4		37	85	45	36	6	☺
	DC175-08-04.100A1-	4,1		37	85	45	36	6	☺
	DC175-08-04.200A1-	4,2		37	85	45	36	6	☺
	DC175-08-04.300A1-	4,3		37	85	45	36	6	☺
	DC175-08-04.500A1-	4,5		37	85	45	36	6	☺
	DC175-08-04.700A1-	4,7		37	85	45	36	6	☺
	DC175-08-04.763A1-	4,763	3/16"	48	97	57	36	6	☺
	DC175-08-04.800A1-	4,8		48	97	57	36	6	☺
	DC175-08-05.000A1-	5		48	97	57	36	6	☺
	DC175-08-05.100A1-	5,1		48	97	57	36	6	☺
	DC175-08-05.200A1-	5,2		48	97	57	36	6	☺
	DC175-08-05.500A1-	5,5		48	97	57	36	6	☺
	DC175-08-05.600A1-	5,6		48	97	57	36	6	☺
	DC175-08-05.800A1-	5,8		48	97	57	36	6	☺
	DC175-08-06.000A1-	6		48	97	57	36	6	☺
	DC175-08-06.100A1-	6,1		55	106	66	36	8	☺
	DC175-08-06.200A1-	6,2		55	106	66	36	8	☺
	DC175-08-06.300A1-	6,3		55	106	66	36	8	☺
	DC175-08-06.350A1-	6,350	1/4"	55	106	66	36	8	☺
	DC175-08-06.400A1-	6,4		55	106	66	36	8	☺
	DC175-08-06.500A1-	6,5		55	106	66	36	8	☺
	DC175-08-06.600A1-	6,6		55	106	66	36	8	☺
	DC175-08-06.700A1-	6,7		55	106	66	36	8	☺
DC175-08-06.800A1-	6,8		55	106	66	36	8	☺	
DC175-08-06.900A1-	6,9		55	106	66	36	8	☺	
DC175-08-07.000A1-	7		55	106	66	36	8	☺	

Ordering example for the grade WJ30RY: DC175-08-03.000A1-WJ30RY

**WALTER  
SELECT**

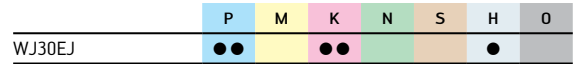
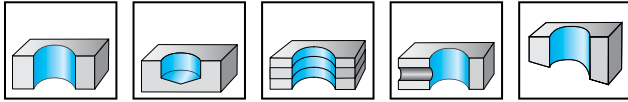
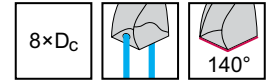
●● Primary application   ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RY
<p>DIN 6535 HA</p>	DC175-08-07.144A1-	7,144	9/32"	64	116	76	36	8	☺
	DC175-08-07.500A1-	7,5		64	116	76	36	8	☺
	DC175-08-07.600A1-	7,6		64	116	76	36	8	☺
	DC175-08-07.700A1-	7,7		64	116	76	36	8	☺
	DC175-08-08.000A1-	8		64	116	76	36	8	☺
	DC175-08-08.100A1-	8,1		80	139	95	40	10	☺
	DC175-08-08.200A1-	8,2		80	139	95	40	10	☺
	DC175-08-08.400A1-	8,4		80	139	95	40	10	☺
	DC175-08-08.500A1-	8,5		80	139	95	40	10	☺
	DC175-08-08.600A1-	8,6		80	139	95	40	10	☺
	DC175-08-08.700A1-	8,7		80	139	95	40	10	☺
	DC175-08-08.800A1-	8,8		80	139	95	40	10	☺
	DC175-08-09.000A1-	9		80	139	95	40	10	☺
	DC175-08-09.200A1-	9,2		80	139	95	40	10	☺
	DC175-08-09.300A1-	9,3		80	139	95	40	10	☺
	DC175-08-09.500A1-	9,5		80	139	95	40	10	☺
DC175-08-09.800A1-	9,8		80	139	95	40	10	☺	
DC175-08-10.000A1-	10		80	139	95	40	10	☺	
DC175-08-10.200A1-	10,2		96	163	114	45	12	☺	
DC175-08-10.500A1-	10,5		96	163	114	45	12	☺	
DC175-08-11.000A1-	11		96	163	114	45	12	☺	
DC175-08-11.500A1-	11,5		96	163	114	45	12	☺	
DC175-08-12.000A1-	12		96	163	114	45	12	☺	
DC175-08-12.500A1-	12,5		119	182	133	45	14	☺	
DC175-08-13.000A1-	13		119	182	133	45	14	☺	
DC175-08-14.000A1-	14		119	182	133	45	14	☺	
DC175-08-15.000A1-	15		136	204	152	48	16	☺	
DC175-08-16.000A1-	16		136	204	152	48	16	☺	

Ordering example for the grade WJ30RY: DC175-08-03.000A1-WJ30RY

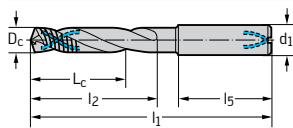
# Solid carbide drills with coolant-through

## DC170 Supreme



B1

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EJ
DC170-08-03.000A1-	3		28	74	34	36	6	☹
DC170-08-03.100A1-	3,1		28	74	34	36	6	☹
DC170-08-03.175A1-	3,175	1/8"	28	74	34	36	6	☹
DC170-08-03.200A1-	3,2		28	74	34	36	6	☹
DC170-08-03.300A1-	3,3		28	74	34	36	6	☹
DC170-08-03.400A1-	3,4		28	74	34	36	6	☹
DC170-08-03.500A1-	3,5		28	74	34	36	6	☹
DC170-08-03.572A1-	3,572	9/64"	28	74	34	36	6	☹
DC170-08-03.600A1-	3,6		28	74	34	36	6	☹
DC170-08-03.700A1-	3,7		28	74	34	36	6	☹
DC170-08-03.800A1-	3,8		37	85	45	36	6	☹
DC170-08-03.900A1-	3,9		37	85	45	36	6	☹
DC170-08-03.969A1-	3,969	5/32"	37	85	45	36	6	☹
DC170-08-04.000A1-	4		37	85	45	36	6	☹
DC170-08-04.100A1-	4,1		37	85	45	36	6	☹
DC170-08-04.200A1-	4,2		37	85	45	36	6	☹
DC170-08-04.300A1-	4,3		37	85	45	36	6	☹
DC170-08-04.366A1-	4,366	11/64"	37	85	45	36	6	☹
DC170-08-04.400A1-	4,4		37	85	45	36	6	☹
DC170-08-04.500A1-	4,5		37	85	45	36	6	☹
DC170-08-04.600A1-	4,6		37	85	45	36	6	☹
DC170-08-04.763A1-	4,763	3/16"	48	97	57	36	6	☹
DC170-08-04.800A1-	4,8		48	97	57	36	6	☹
DC170-08-04.900A1-	4,9		48	97	57	36	6	☹
DC170-08-05.000A1-	5		48	97	57	36	6	☹
DC170-08-05.100A1-	5,1		48	97	57	36	6	☹
DC170-08-05.159A1-	5,159	13/64"	48	97	57	36	6	☹
DC170-08-05.200A1-	5,2		48	97	57	36	6	☹
DC170-08-05.300A1-	5,3		48	97	57	36	6	☹
DC170-08-05.400A1-	5,4		48	97	57	36	6	☹
DC170-08-05.500A1-	5,5		48	97	57	36	6	☹
DC170-08-05.556A1-	5,556	7/32"	48	97	57	36	6	☹
DC170-08-05.600A1-	5,6		48	97	57	36	6	☹
DC170-08-05.700A1-	5,7		48	97	57	36	6	☹
DC170-08-05.800A1-	5,8		48	97	57	36	6	☹
DC170-08-05.900A1-	5,9		48	97	57	36	6	☹

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

**WALTER  
SELECT**

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

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EJ
<p>DIN 6535 HA</p>	DC170-08-05.953A1-	5,953	15/64"	48	97	57	36	6	☺
	DC170-08-06.000A1-	6		48	97	57	36	6	☺
	DC170-08-06.100A1-	6,1		55	106	66	36	8	☺
	DC170-08-06.200A1-	6,2		55	106	66	36	8	☺
	DC170-08-06.300A1-	6,3		55	106	66	36	8	☺
	DC170-08-06.350A1-	6,350	1/4"	55	106	66	36	8	☺
	DC170-08-06.400A1-	6,4		55	106	66	36	8	☺
	DC170-08-06.500A1-	6,5		55	106	66	36	8	☺
	DC170-08-06.600A1-	6,6		55	106	66	36	8	☺
	DC170-08-06.700A1-	6,7		55	106	66	36	8	☺
	DC170-08-06.747A1-	6,747	17/64"	55	106	66	36	8	☺
	DC170-08-06.800A1-	6,8		55	106	66	36	8	☺
	DC170-08-06.900A1-	6,9		55	106	66	36	8	☺
	DC170-08-07.000A1-	7		55	106	66	36	8	☺
	DC170-08-07.144A1-	7,144	9/32"	64	116	76	36	8	☺
	DC170-08-07.400A1-	7,4		64	116	76	36	8	☺
	DC170-08-07.500A1-	7,5		64	116	76	36	8	☺
	DC170-08-07.541A1-	7,541	19/64"	64	116	76	36	8	☺
	DC170-08-07.600A1-	7,6		64	116	76	36	8	☺
	DC170-08-07.700A1-	7,7		64	116	76	36	8	☺
	DC170-08-07.800A1-	7,8		64	116	76	36	8	☺
	DC170-08-07.900A1-	7,9		64	116	76	36	8	☺
	DC170-08-07.938A1-	7,938	5/16"	64	116	76	36	8	☺
	DC170-08-08.000A1-	8		64	116	76	36	8	☺
	DC170-08-08.100A1-	8,1		80	139	95	40	10	☺
	DC170-08-08.200A1-	8,2		80	139	95	40	10	☺
	DC170-08-08.300A1-	8,3		80	139	95	40	10	☺
	DC170-08-08.334A1-	8,334	21/64"	80	139	95	40	10	☺
	DC170-08-08.400A1-	8,4		80	139	95	40	10	☺
	DC170-08-08.500A1-	8,5		80	139	95	40	10	☺
	DC170-08-08.600A1-	8,6		80	139	95	40	10	☺
	DC170-08-08.700A1-	8,7		80	139	95	40	10	☺
	DC170-08-08.731A1-	8,731	11/32"	80	139	95	40	10	☺
DC170-08-08.800A1-	8,8		80	139	95	40	10	☺	
DC170-08-09.000A1-	9		80	139	95	40	10	☺	
DC170-08-09.100A1-	9,1		80	139	95	40	10	☺	
DC170-08-09.128A1-	9,128	23/64"	80	139	95	40	10	☺	
DC170-08-09.200A1-	9,2		80	139	95	40	10	☺	
DC170-08-09.300A1-	9,3		80	139	95	40	10	☺	
DC170-08-09.400A1-	9,4		80	139	95	40	10	☺	
DC170-08-09.500A1-	9,5		80	139	95	40	10	☺	
DC170-08-09.525A1-	9,525	3/8"	80	139	95	40	10	☺	
DC170-08-09.600A1-	9,6		80	139	95	40	10	☺	
DC170-08-09.700A1-	9,7		80	139	95	40	10	☺	
DC170-08-09.800A1-	9,8		80	139	95	40	10	☺	
DC170-08-09.900A1-	9,9		80	139	95	40	10	☺	

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

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

B1

B1

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	d <sub>1</sub>	WJ30EJ
		m7							
	DC170-08-09.922A1-	9,922	25/64"	80	139	95	40	10	☺
	DC170-08-10.000A1-	10		80	139	95	40	10	☺
	DC170-08-10.100A1-	10,1		96	163	114	45	12	☺
	DC170-08-10.200A1-	10,2		96	163	114	45	12	☺
	DC170-08-10.300A1-	10,3		96	163	114	45	12	☺
	DC170-08-10.319A1-	10,319	13/32"	96	163	114	45	12	☺
	DC170-08-10.500A1-	10,5		96	163	114	45	12	☺
	DC170-08-10.716A1-	10,716	27/64"	96	163	114	45	12	☺
	DC170-08-10.800A1-	10,8		96	163	114	45	12	☺
	DC170-08-11.000A1-	11		96	163	114	45	12	☺
	DC170-08-11.100A1-	11,1		96	163	114	45	12	☺
	DC170-08-11.113A1-	11,113	7/16"	96	163	114	45	12	☺
	DC170-08-11.200A1-	11,2		96	163	114	45	12	☺
	DC170-08-11.300A1-	11,3		96	163	114	45	12	☺
	DC170-08-11.400A1-	11,4		96	163	114	45	12	☺
	DC170-08-11.500A1-	11,5		96	163	114	45	12	☺
	DC170-08-11.700A1-	11,7		96	163	114	45	12	☺
	DC170-08-11.800A1-	11,8		96	163	114	45	12	☺
	DC170-08-11.900A1-	11,9		96	163	114	45	12	☺
	DC170-08-12.000A1-	12		96	163	114	45	12	☺
	DC170-08-12.303A1-	12,303	31/64"	119	182	133	45	14	☺
	DC170-08-12.500A1-	12,5		119	182	133	45	14	☺
	DC170-08-12.700A1-	12,700	1/2"	119	182	133	45	14	☺
	DC170-08-13.000A1-	13		119	182	133	45	14	☺
	DC170-08-13.494A1-	13,494	17/32"	119	182	133	45	14	☺
	DC170-08-13.500A1-	13,5		119	182	133	45	14	☺
	DC170-08-14.000A1-	14		119	182	133	45	14	☺
	DC170-08-14.288A1-	14,288	9/16"	136	204	152	48	16	☺
	DC170-08-14.500A1-	14,5		136	204	152	48	16	☺
	DC170-08-15.000A1-	15		136	204	152	48	16	☺
	DC170-08-15.500A1-	15,5		136	204	152	48	16	☺
	DC170-08-15.875A1-	15,875	5/8"	136	204	152	48	16	☺
	DC170-08-16.000A1-	16		136	204	152	48	16	☺
	DC170-08-16.500A1-	16,5		153	223	171	48	18	☺
	DC170-08-17.000A1-	17		153	223	171	48	18	☺
	DC170-08-17.500A1-	17,5		153	223	171	48	18	☺
	DC170-08-18.000A1-	18		153	223	171	48	18	☺
	DC170-08-20.000A1-	20		170	244	190	50	20	☺

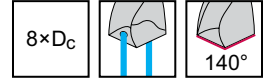
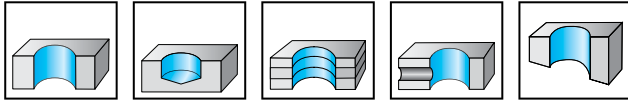
Ordering example for the grade WJ30EJ: DC170-08-03.000A1-WJ30EJ



# Solid carbide drills with coolant-through

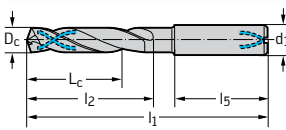
## DC160 Advance

### X-treme Evo



	P	M	K	N	S	H	O
WJ30ET	●●	●	●●●	●●●	●●●	●	●

#### Tool



DIN 6535 HA

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
DC160-08-03.000A1-	3		28	74	34	36	6	☺
DC160-08-03.100A1-	3,1		28	74	34	36	6	☺
DC160-08-03.175A1-	3,175	1/8"	28	74	34	36	6	☺
DC160-08-03.200A1-	3,2		28	74	34	36	6	☺
DC160-08-03.300A1-	3,3		28	74	34	36	6	☺
DC160-08-03.400A1-	3,4		28	74	34	36	6	☺
DC160-08-03.500A1-	3,5		28	74	34	36	6	☺
DC160-08-03.572A1-	3,572	9/64"	28	74	34	36	6	☺
DC160-08-03.600A1-	3,6		28	74	34	36	6	☺
DC160-08-03.700A1-	3,7		28	74	34	36	6	☺
DC160-08-03.800A1-	3,8		37	85	45	36	6	☺
DC160-08-03.900A1-	3,9		37	85	45	36	6	☺
DC160-08-03.969A1-	3,969	5/32"	37	85	45	36	6	☺
DC160-08-04.000A1-	4		37	85	45	36	6	☺
DC160-08-04.100A1-	4,1		37	85	45	36	6	☺
DC160-08-04.200A1-	4,2		37	85	45	36	6	☺
DC160-08-04.300A1-	4,3		37	85	45	36	6	☺
DC160-08-04.366A1-	4,366	11/64"	37	85	45	36	6	☺
DC160-08-04.400A1-	4,4		37	85	45	36	6	☺
DC160-08-04.500A1-	4,5		37	85	45	36	6	☺
DC160-08-04.600A1-	4,6		37	85	45	36	6	☺
DC160-08-04.700A1-	4,7		37	85	45	36	6	☺
DC160-08-04.763A1-	4,763	3/16"	48	97	57	36	6	☺
DC160-08-04.800A1-	4,8		48	97	57	36	6	☺
DC160-08-04.900A1-	4,9		48	97	57	36	6	☺
DC160-08-05.000A1-	5		48	97	57	36	6	☺
DC160-08-05.100A1-	5,1		48	97	57	36	6	☺
DC160-08-05.159A1-	5,159	13/64"	48	97	57	36	6	☺
DC160-08-05.200A1-	5,2		48	97	57	36	6	☺
DC160-08-05.300A1-	5,3		48	97	57	36	6	☺
DC160-08-05.400A1-	5,4		48	97	57	36	6	☺
DC160-08-05.500A1-	5,5		48	97	57	36	6	☺
DC160-08-05.556A1-	5,556	7/32"	48	97	57	36	6	☺
DC160-08-05.600A1-	5,6		48	97	57	36	6	☺
DC160-08-05.700A1-	5,7		48	97	57	36	6	☺
DC160-08-05.800A1-	5,8		48	97	57	36	6	☺

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

**WALTER  
SELECT**

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

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30ET
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC160-08-05.900A1-	5,9		48	97	57	36	6	☹
	DC160-08-05.953A1-	5,953	15/64"	48	97	57	36	6	☹
	DC160-08-06.000A1-	6		48	97	57	36	6	☹
	DC160-08-06.100A1-	6,1		55	106	66	36	8	☹
	DC160-08-06.200A1-	6,2		55	106	66	36	8	☹
	DC160-08-06.300A1-	6,3		55	106	66	36	8	☹
	DC160-08-06.350A1-	6,350	1/4"	55	106	66	36	8	☹
	DC160-08-06.400A1-	6,4		55	106	66	36	8	☹
	DC160-08-06.500A1-	6,5		55	106	66	36	8	☹
	DC160-08-06.600A1-	6,6		55	106	66	36	8	☹
	DC160-08-06.700A1-	6,7		55	106	66	36	8	☹
	DC160-08-06.747A1-	6,747	17/64"	55	106	66	36	8	☹
	DC160-08-06.800A1-	6,8		55	106	66	36	8	☹
	DC160-08-06.900A1-	6,9		55	106	66	36	8	☹
	DC160-08-07.000A1-	7		55	106	66	36	8	☹
	DC160-08-07.100A1-	7,1		64	116	76	36	8	☹
	DC160-08-07.144A1-	7,144	9/32"	64	116	76	36	8	☹
	DC160-08-07.200A1-	7,2		64	116	76	36	8	☹
	DC160-08-07.300A1-	7,3		64	116	76	36	8	☹
	DC160-08-07.400A1-	7,4		64	116	76	36	8	☹
	DC160-08-07.500A1-	7,5		64	116	76	36	8	☹
	DC160-08-07.541A1-	7,541	19/64"	64	116	76	36	8	☹
	DC160-08-07.600A1-	7,6		64	116	76	36	8	☹
	DC160-08-07.700A1-	7,7		64	116	76	36	8	☹
	DC160-08-07.800A1-	7,8		64	116	76	36	8	☹
	DC160-08-07.900A1-	7,9		64	116	76	36	8	☹
	DC160-08-07.938A1-	7,938	5/16"	64	116	76	36	8	☹
	DC160-08-08.000A1-	8		64	116	76	36	8	☹
	DC160-08-08.100A1-	8,1		80	139	95	40	10	☹
	DC160-08-08.200A1-	8,2		80	139	95	40	10	☹
	DC160-08-08.300A1-	8,3		80	139	95	40	10	☹
	DC160-08-08.334A1-	8,334	21/64"	80	139	95	40	10	☹
	DC160-08-08.400A1-	8,4		80	139	95	40	10	☹
	DC160-08-08.500A1-	8,5		80	139	95	40	10	☹
DC160-08-08.600A1-	8,6		80	139	95	40	10	☹	
DC160-08-08.700A1-	8,7		80	139	95	40	10	☹	
DC160-08-08.731A1-	8,731	11/32"	80	139	95	40	10	☹	
DC160-08-08.800A1-	8,8		80	139	95	40	10	☹	
DC160-08-08.900A1-	8,9		80	139	95	40	10	☹	
DC160-08-09.000A1-	9		80	139	95	40	10	☹	
DC160-08-09.100A1-	9,1		80	139	95	40	10	☹	
DC160-08-09.128A1-	9,128	23/64"	80	139	95	40	10	☹	
DC160-08-09.200A1-	9,2		80	139	95	40	10	☹	
DC160-08-09.300A1-	9,3		80	139	95	40	10	☹	
DC160-08-09.400A1-	9,4		80	139	95	40	10	☹	
DC160-08-09.500A1-	9,5		80	139	95	40	10	☹	

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30ET
		m7 mm							
	DC160-08-09.525A1-	9,525	3/8"	80	139	95	40	10	☺
	DC160-08-09.600A1-	9,6		80	139	95	40	10	☺
	DC160-08-09.700A1-	9,7		80	139	95	40	10	☺
	DC160-08-09.800A1-	9,8		80	139	95	40	10	☺
	DC160-08-09.900A1-	9,9		80	139	95	40	10	☺
	DC160-08-09.922A1-	9,922	25/64"	80	139	95	40	10	☺
	DC160-08-10.000A1-	10		80	139	95	40	10	☺
	DC160-08-10.100A1-	10,1		96	163	114	45	12	☺
	DC160-08-10.200A1-	10,2		96	163	114	45	12	☺
	DC160-08-10.300A1-	10,3		96	163	114	45	12	☺
	DC160-08-10.319A1-	10,319	13/32"	96	163	114	45	12	☺
	DC160-08-10.400A1-	10,4		96	163	114	45	12	☺
	DC160-08-10.500A1-	10,5		96	163	114	45	12	☺
	DC160-08-10.600A1-	10,6		96	163	114	45	12	☺
	DC160-08-10.700A1-	10,7		96	163	114	45	12	☺
	DC160-08-10.716A1-	10,716	27/64"	96	163	114	45	12	☺
	DC160-08-10.800A1-	10,8		96	163	114	45	12	☺
	DC160-08-10.900A1-	10,9		96	163	114	45	12	☺
	DC160-08-11.000A1-	11		96	163	114	45	12	☺
	DC160-08-11.100A1-	11,1		96	163	114	45	12	☺
	DC160-08-11.113A1-	11,113	7/16"	96	163	114	45	12	☺
	DC160-08-11.200A1-	11,2		96	163	114	45	12	☺
	DC160-08-11.300A1-	11,3		96	163	114	45	12	☺
	DC160-08-11.400A1-	11,4		96	163	114	45	12	☺
	DC160-08-11.500A1-	11,5		96	163	114	45	12	☺
	DC160-08-11.509A1-	11,509	29/64"	96	163	114	45	12	☺
	DC160-08-11.600A1-	11,6		96	163	114	45	12	☺
	DC160-08-11.700A1-	11,7		96	163	114	45	12	☺
	DC160-08-11.800A1-	11,8		96	163	114	45	12	☺
	DC160-08-11.900A1-	11,9		96	163	114	45	12	☺
	DC160-08-11.906A1-	11,906	15/32"	96	163	114	45	12	☺
	DC160-08-12.000A1-	12		96	163	114	45	12	☺
	DC160-08-12.303A1-	12,303	31/64"	119	182	133	45	14	☺
	DC160-08-12.500A1-	12,5		119	182	133	45	14	☺
	DC160-08-12.700A1-	12,700	1/2"	119	182	133	45	14	☺
	DC160-08-13.000A1-	13		119	182	133	45	14	☺
	DC160-08-13.494A1-	13,494	17/32"	119	182	133	45	14	☺
	DC160-08-13.500A1-	13,5		119	182	133	45	14	☺
	DC160-08-14.000A1-	14		119	182	133	45	14	☺
	DC160-08-14.288A1-	14,288	9/16"	136	204	152	48	16	☺
	DC160-08-14.500A1-	14,5		136	204	152	48	16	☺
	DC160-08-15.000A1-	15		136	204	152	48	16	☺
	DC160-08-15.500A1-	15,5		136	204	152	48	16	☺
	DC160-08-15.875A1-	15,875	5/8"	136	204	152	48	16	☺
	DC160-08-16.000A1-	16		136	204	152	48	16	☺
	DC160-08-16.500A1-	16,5		153	223	171	48	18	☺

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

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

B1

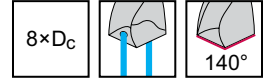
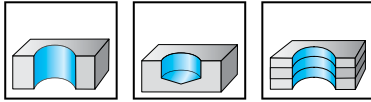
Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30ET
<p>DIN 6535 HA</p>	DC160-08-17.000A1-	17		153	223	171	48	18	☺☺
	DC160-08-17.500A1-	17,5		153	223	171	48	18	☺☺
	DC160-08-18.000A1-	18		153	223	171	48	18	☺☺
	DC160-08-18.500A1-	18,5		170	244	190	50	20	☺☺
	DC160-08-19.000A1-	19		170	244	190	50	20	☺☺
	DC160-08-19.050A1-	19,050	3/4"	170	244	190	50	20	☺☺
	DC160-08-19.500A1-	19,5		170	244	190	50	20	☺☺
	DC160-08-20.000A1-	20		170	244	190	50	20	☺☺

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

B1

# Solid carbide drills with coolant-through

## DC150 Perform



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

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30TA
<p>DIN 6535 HA</p>	DC150-08-03.000A1-	3		28	74	34	36	6	☺
	DC150-08-03.100A1-	3,1		28	74	34	36	6	☺
	DC150-08-03.175A1-	3,175	1/8"	28	74	34	36	6	☺
	DC150-08-03.200A1-	3,2		28	74	34	36	6	☺
	DC150-08-03.300A1-	3,3		28	74	34	36	6	☺
	DC150-08-03.400A1-	3,4		28	74	34	36	6	☺
	DC150-08-03.500A1-	3,5		28	74	34	36	6	☺
	DC150-08-03.572A1-	3,572	9/64"	28	74	34	36	6	☺
	DC150-08-03.600A1-	3,6		28	74	34	36	6	☺
	DC150-08-03.700A1-	3,7		28	74	34	36	6	☺
	DC150-08-03.800A1-	3,8		37	85	45	36	6	☺
	DC150-08-03.900A1-	3,9		37	85	45	36	6	☺
	DC150-08-03.969A1-	3,969	5/32"	37	85	45	36	6	☺
	DC150-08-04.000A1-	4		37	85	45	36	6	☺
	DC150-08-04.100A1-	4,1		37	85	45	36	6	☺
	DC150-08-04.200A1-	4,2		37	85	45	36	6	☺
	DC150-08-04.300A1-	4,3		37	85	45	36	6	☺
	DC150-08-04.366A1-	4,366	11/64"	37	85	45	36	6	☺
	DC150-08-04.400A1-	4,4		37	85	45	36	6	☺
	DC150-08-04.500A1-	4,5		37	85	45	36	6	☺
	DC150-08-04.600A1-	4,6		37	85	45	36	6	☺
	DC150-08-04.700A1-	4,7		37	85	45	36	6	☺
	DC150-08-04.763A1-	4,763	3/16"	48	97	57	36	6	☺
	DC150-08-04.800A1-	4,8		48	97	57	36	6	☺
	DC150-08-04.900A1-	4,9		48	97	57	36	6	☺
	DC150-08-05.000A1-	5		48	97	57	36	6	☺
	DC150-08-05.100A1-	5,1		48	97	57	36	6	☺
	DC150-08-05.159A1-	5,159	13/64"	48	97	57	36	6	☺
	DC150-08-05.200A1-	5,2		48	97	57	36	6	☺
	DC150-08-05.300A1-	5,3		48	97	57	36	6	☺
	DC150-08-05.400A1-	5,4		48	97	57	36	6	☺
	DC150-08-05.500A1-	5,5		48	97	57	36	6	☺
DC150-08-05.556A1-	5,556	7/32"	48	97	57	36	6	☺	
DC150-08-05.600A1-	5,6		48	97	57	36	6	☺	
DC150-08-05.700A1-	5,7		48	97	57	36	6	☺	
DC150-08-05.800A1-	5,8		48	97	57	36	6	☺	

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

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

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30TA
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC150-08-05.900A1-	5,9		48	97	57	36	6	☹
	DC150-08-05.953A1-	5,953	15/64"	48	97	57	36	6	☹
	DC150-08-06.000A1-	6		48	97	57	36	6	☹
	DC150-08-06.100A1-	6,1		55	106	66	36	8	☹
	DC150-08-06.200A1-	6,2		55	106	66	36	8	☹
	DC150-08-06.300A1-	6,3		55	106	66	36	8	☹
	DC150-08-06.350A1-	6,350	1/4"	55	106	66	36	8	☹
	DC150-08-06.400A1-	6,4		55	106	66	36	8	☹
	DC150-08-06.500A1-	6,5		55	106	66	36	8	☹
	DC150-08-06.600A1-	6,6		55	106	66	36	8	☹
	DC150-08-06.700A1-	6,7		55	106	66	36	8	☹
	DC150-08-06.747A1-	6,747	17/64"	55	106	66	36	8	☹
	DC150-08-06.800A1-	6,8		55	106	66	36	8	☹
	DC150-08-06.900A1-	6,9		55	106	66	36	8	☹
	DC150-08-07.000A1-	7		55	106	66	36	8	☹
	DC150-08-07.100A1-	7,1		64	116	76	36	8	☹
	DC150-08-07.144A1-	7,144	9/32"	64	116	76	36	8	☹
	DC150-08-07.200A1-	7,2		64	116	76	36	8	☹
	DC150-08-07.300A1-	7,3		64	116	76	36	8	☹
	DC150-08-07.400A1-	7,4		64	116	76	36	8	☹
	DC150-08-07.500A1-	7,5		64	116	76	36	8	☹
	DC150-08-07.541A1-	7,541	19/64"	64	116	76	36	8	☹
	DC150-08-07.600A1-	7,6		64	116	76	36	8	☹
	DC150-08-07.700A1-	7,7		64	116	76	36	8	☹
	DC150-08-07.800A1-	7,8		64	116	76	36	8	☹
	DC150-08-07.900A1-	7,9		64	116	76	36	8	☹
	DC150-08-07.938A1-	7,938	5/16"	64	116	76	36	8	☹
	DC150-08-08.000A1-	8		64	116	76	36	8	☹
	DC150-08-08.100A1-	8,1		80	139	95	40	10	☹
	DC150-08-08.200A1-	8,2		80	139	95	40	10	☹
	DC150-08-08.300A1-	8,3		80	139	95	40	10	☹
	DC150-08-08.334A1-	8,334	21/64"	80	139	95	40	10	☹
	DC150-08-08.400A1-	8,4		80	139	95	40	10	☹
	DC150-08-08.500A1-	8,5		80	139	95	40	10	☹
	DC150-08-08.600A1-	8,6		80	139	95	40	10	☹
DC150-08-08.700A1-	8,7		80	139	95	40	10	☹	
DC150-08-08.731A1-	8,731	11/32"	80	139	95	40	10	☹	
DC150-08-08.800A1-	8,8		80	139	95	40	10	☹	
DC150-08-08.900A1-	8,9		80	139	95	40	10	☹	
DC150-08-09.000A1-	9		80	139	95	40	10	☹	
DC150-08-09.100A1-	9,1		80	139	95	40	10	☹	
DC150-08-09.128A1-	9,128	23/64"	80	139	95	40	10	☹	
DC150-08-09.200A1-	9,2		80	139	95	40	10	☹	
DC150-08-09.300A1-	9,3		80	139	95	40	10	☹	
DC150-08-09.400A1-	9,4		80	139	95	40	10	☹	
DC150-08-09.500A1-	9,5		80	139	95	40	10	☹	

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

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30TA
		m7 mm		mm	mm	mm	mm	mm	
	DC150-08-09.525A1-	9,525	3/8"	80	139	95	40	10	☺
	DC150-08-09.600A1-	9,6		80	139	95	40	10	☺
	DC150-08-09.700A1-	9,7		80	139	95	40	10	☺
	DC150-08-09.800A1-	9,8		80	139	95	40	10	☺
	DC150-08-09.900A1-	9,9		80	139	95	40	10	☺
	DC150-08-09.922A1-	9,922	25/64"	80	139	95	40	10	☺
	DC150-08-10.000A1-	10		80	139	95	40	10	☺
	DC150-08-10.100A1-	10,1		96	163	114	45	12	☺
	DC150-08-10.200A1-	10,2		96	163	114	45	12	☺
	DC150-08-10.300A1-	10,3		96	163	114	45	12	☺
	DC150-08-10.319A1-	10,319	13/32"	96	163	114	45	12	☺
	DC150-08-10.400A1-	10,4		96	163	114	45	12	☺
	DC150-08-10.500A1-	10,5		96	163	114	45	12	☺
	DC150-08-10.700A1-	10,7		96	163	114	45	12	☺
	DC150-08-10.716A1-	10,716	27/64"	96	163	114	45	12	☺
	DC150-08-10.800A1-	10,8		96	163	114	45	12	☺
	DC150-08-10.900A1-	10,9		96	163	114	45	12	☺
	DC150-08-11.000A1-	11		96	163	114	45	12	☺
	DC150-08-11.100A1-	11,1		96	163	114	45	12	☺
	DC150-08-11.113A1-	11,113	7/16"	96	163	114	45	12	☺
	DC150-08-11.200A1-	11,2		96	163	114	45	12	☺
	DC150-08-11.300A1-	11,3		96	163	114	45	12	☺
	DC150-08-11.500A1-	11,5		96	163	114	45	12	☺
	DC150-08-11.600A1-	11,6		96	163	114	45	12	☺
	DC150-08-11.700A1-	11,7		96	163	114	45	12	☺
	DC150-08-11.800A1-	11,8		96	163	114	45	12	☺
	DC150-08-11.900A1-	11,9		96	163	114	45	12	☺
	DC150-08-11.906A1-	11,906	15/32"	96	163	114	45	12	☺
	DC150-08-12.000A1-	12		96	163	114	45	12	☺
	DC150-08-12.303A1-	12,303	31/64"	119	182	133	45	14	☺
	DC150-08-12.500A1-	12,5		119	182	133	45	14	☺
	DC150-08-12.700A1-	12,700	1/2"	119	182	133	45	14	☺
	DC150-08-13.000A1-	13		119	182	133	45	14	☺
	DC150-08-13.494A1-	13,494	17/32"	119	182	133	45	14	☺
	DC150-08-13.500A1-	13,5		119	182	133	45	14	☺
	DC150-08-14.000A1-	14		119	182	133	45	14	☺
	DC150-08-14.288A1-	14,288	9/16"	136	204	152	48	16	☺
	DC150-08-14.500A1-	14,5		136	204	152	48	16	☺
	DC150-08-15.000A1-	15		136	204	152	48	16	☺
	DC150-08-15.500A1-	15,5		136	204	152	48	16	☺
	DC150-08-15.875A1-	15,875	5/8"	136	204	152	48	16	☺
	DC150-08-16.000A1-	16		136	204	152	48	16	☺
	DC150-08-16.500A1-	16,5		153	223	171	48	18	☺
	DC150-08-17.000A1-	17		153	223	171	48	18	☺
	DC150-08-17.500A1-	17,5		153	223	171	48	18	☺
	DC150-08-18.000A1-	18		153	223	171	48	18	☺

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

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

B1

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30TA
	DC150-08-18.500A1-	18,5		170	244	190	50	20	☺
	DC150-08-19.000A1-	19		170	244	190	50	20	☺
	DC150-08-19.050A1-	19,050	3/4"	170	244	190	50	20	☺
	DC150-08-19.500A1-	19,5		170	244	190	50	20	☺
	DIN 6535 HA DC150-08-20.000A1-	20		170	244	190	50	20	☺

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

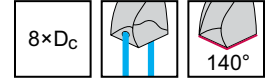
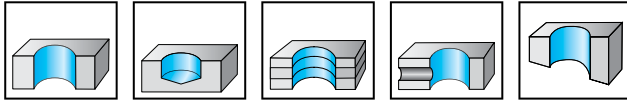
B1



# Solid carbide drills with coolant-through

## A6489DPP

### X-treme D8



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

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
<p>DIN 6535 HA</p>	A6489DPP-3	3		28	74	34	36	6
	A6489DPP-3.1	3,1		28	74	34	36	6
	A6489DPP-1/8IN	3,175	1/8"	28	74	34	36	6
	A6489DPP-3.2	3,2		28	74	34	36	6
	A6489DPP-3.3	3,3		28	74	34	36	6
	A6489DPP-3.4	3,4		28	74	34	36	6
	A6489DPP-3.5	3,5		28	74	34	36	6
	A6489DPP-9/64IN	3,572	9/64"	28	74	34	36	6
	A6489DPP-3.6	3,6		28	74	34	36	6
	A6489DPP-3.7	3,7		28	74	34	36	6
	A6489DPP-3.8	3,8		37	85	45	36	6
	A6489DPP-3.9	3,9		37	85	45	36	6
	A6489DPP-5/32IN	3,969	5/32"	37	85	45	36	6
	A6489DPP-4	4		37	85	45	36	6
	A6489DPP-4.1	4,1		37	85	45	36	6
	A6489DPP-4.2	4,2		37	85	45	36	6
	A6489DPP-4.3	4,3		37	85	45	36	6
	A6489DPP-11/64IN	4,366	11/64"	37	85	45	36	6
	A6489DPP-4.4	4,4		37	85	45	36	6
	A6489DPP-4.5	4,5		37	85	45	36	6
	A6489DPP-4.6	4,6		37	85	45	36	6
	A6489DPP-4.7	4,7		37	85	45	36	6
	A6489DPP-3/16IN	4,763	3/16"	48	97	57	36	6
	A6489DPP-4.8	4,8		48	97	57	36	6
	A6489DPP-4.9	4,9		48	97	57	36	6
	A6489DPP-5	5		48	97	57	36	6
	A6489DPP-5.1	5,1		48	97	57	36	6
	A6489DPP-13/64IN	5,159	13/64"	48	97	57	36	6
	A6489DPP-5.2	5,2		48	97	57	36	6
	A6489DPP-5.3	5,3		48	97	57	36	6
	A6489DPP-5.4	5,4		48	97	57	36	6
	A6489DPP-5.5	5,5		48	97	57	36	6
A6489DPP-7/32IN	5,556	7/32"	48	97	57	36	6	
A6489DPP-5.6	5,6		48	97	57	36	6	
A6489DPP-5.7	5,7		48	97	57	36	6	
A6489DPP-5.8	5,8		48	97	57	36	6	

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

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$
		m7 mm		mm	mm	mm	mm	h6 mm
<p>DIN 6535 HA</p>	A6489DPP-5.9	5,9		48	97	57	36	6
	A6489DPP-15/64IN	5,953	15/64"	48	97	57	36	6
	A6489DPP-6	6		48	97	57	36	6
	A6489DPP-6.1	6,1		55	106	66	36	8
	A6489DPP-6.2	6,2		55	106	66	36	8
	A6489DPP-6.3	6,3		55	106	66	36	8
	A6489DPP-1/4IN	6,350	1/4"	55	106	66	36	8
	A6489DPP-6.4	6,4		55	106	66	36	8
	A6489DPP-6.5	6,5		55	106	66	36	8
	A6489DPP-6.6	6,6		55	106	66	36	8
	A6489DPP-6.7	6,7		55	106	66	36	8
	A6489DPP-17/64IN	6,747	17/64"	55	106	66	36	8
	A6489DPP-6.8	6,8		55	106	66	36	8
	A6489DPP-6.9	6,9		55	106	66	36	8
	A6489DPP-7	7		55	106	66	36	8
	A6489DPP-7.1	7,1		64	116	76	36	8
	A6489DPP-9/32IN	7,144	9/32"	64	116	76	36	8
	A6489DPP-7.2	7,2		64	116	76	36	8
	A6489DPP-7.3	7,3		64	116	76	36	8
	A6489DPP-7.4	7,4		64	116	76	36	8
	A6489DPP-7.5	7,5		64	116	76	36	8
	A6489DPP-19/64IN	7,541	19/64"	64	116	76	36	8
	A6489DPP-7.6	7,6		64	116	76	36	8
	A6489DPP-7.7	7,7		64	116	76	36	8
	A6489DPP-7.8	7,8		64	116	76	36	8
	A6489DPP-7.9	7,9		64	116	76	36	8
	A6489DPP-5/16IN	7,938	5/16"	64	116	76	36	8
	A6489DPP-8	8		64	116	76	36	8
	A6489DPP-8.1	8,1		80	139	95	40	10
	A6489DPP-8.2	8,2		80	139	95	40	10
	A6489DPP-8.3	8,3		80	139	95	40	10
	A6489DPP-21/64IN	8,334	21/64"	80	139	95	40	10
	A6489DPP-8.4	8,4		80	139	95	40	10
A6489DPP-8.5	8,5		80	139	95	40	10	
A6489DPP-8.6	8,6		80	139	95	40	10	
A6489DPP-8.7	8,7		80	139	95	40	10	
A6489DPP-11/32IN	8,731	11/32"	80	139	95	40	10	
A6489DPP-8.8	8,8		80	139	95	40	10	
A6489DPP-8.9	8,9		80	139	95	40	10	
A6489DPP-9	9		80	139	95	40	10	
A6489DPP-9.1	9,1		80	139	95	40	10	
A6489DPP-23/64IN	9,128	23/64"	80	139	95	40	10	
A6489DPP-9.2	9,2		80	139	95	40	10	
A6489DPP-9.3	9,3		80	139	95	40	10	
A6489DPP-9.4	9,4		80	139	95	40	10	
A6489DPP-9.5	9,5		80	139	95	40	10	

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>
		m7 mm		mm	mm	mm	mm	h6 mm
A6489DPP-3/8IN		9,525	3/8"	80	139	95	40	10
A6489DPP-9.6		9,6		80	139	95	40	10
A6489DPP-9.7		9,7		80	139	95	40	10
A6489DPP-9.8		9,8		80	139	95	40	10
A6489DPP-9.9		9,9		80	139	95	40	10
A6489DPP-25/64IN		9,922	25/64"	80	139	95	40	10
A6489DPP-10		10		80	139	95	40	10
A6489DPP-10.1		10,1		96	163	114	45	12
A6489DPP-10.2		10,2		96	163	114	45	12
A6489DPP-10.3		10,3		96	163	114	45	12
A6489DPP-13/32IN		10,319	13/32"	96	163	114	45	12
A6489DPP-10.4		10,4		96	163	114	45	12
A6489DPP-10.5		10,5		96	163	114	45	12
A6489DPP-10.6		10,6		96	163	114	45	12
A6489DPP-10.7		10,7		96	163	114	45	12
A6489DPP-27/64IN		10,716	27/64"	96	163	114	45	12
A6489DPP-10.8		10,8		96	163	114	45	12
A6489DPP-10.9		10,9		96	163	114	45	12
A6489DPP-11		11		96	163	114	45	12
A6489DPP-11.1		11,1		96	163	114	45	12
A6489DPP-7/16IN		11,113	7/16"	96	163	114	45	12
A6489DPP-11.2		11,2		96	163	114	45	12
A6489DPP-11.3		11,3		96	163	114	45	12
A6489DPP-11.4		11,4		96	163	114	45	12
A6489DPP-11.5		11,5		96	163	114	45	12
A6489DPP-29/64IN		11,509	29/64"	96	163	114	45	12
A6489DPP-11.6		11,6		96	163	114	45	12
A6489DPP-11.7		11,7		96	163	114	45	12
A6489DPP-11.8		11,8		96	163	114	45	12
A6489DPP-11.9		11,9		96	163	114	45	12
A6489DPP-15/32IN		11,906	15/32"	96	163	114	45	12
A6489DPP-12		12		96	163	114	45	12
A6489DPP-31/64IN		12,303	31/64"	119	182	133	45	14
A6489DPP-12.5		12,5		119	182	133	45	14
A6489DPP-1/2IN		12,700	1/2"	119	182	133	45	14
A6489DPP-13		13		119	182	133	45	14
A6489DPP-17/32IN		13,494	17/32"	119	182	133	45	14
A6489DPP-13.5		13,5		119	182	133	45	14
A6489DPP-14		14		119	182	133	45	14
A6489DPP-9/16IN		14,288	9/16"	136	204	152	48	16
A6489DPP-14.5		14,5		136	204	152	48	16
A6489DPP-15		15		136	204	152	48	16
A6489DPP-15.5		15,5		136	204	152	48	16
A6489DPP-5/8IN		15,875	5/8"	136	204	152	48	16
A6489DPP-16		16		136	204	152	48	16
A6489DPP-16.5		16,5		153	223	171	48	18
A6489DPP-17		17		153	223	171	48	18
A6489DPP-17.5		17,5		153	223	171	48	18
A6489DPP-18		18		153	223	171	48	18
A6489DPP-18.5		18,5		170	244	190	50	20
A6489DPP-19		19		170	244	190	50	20
A6489DPP-3/4IN		19,050	3/4"	170	244	190	50	20
A6489DPP-19.5		19,5		170	244	190	50	20
A6489DPP-20		20		170	244	190	50	20

**WALTER  
SELECT**

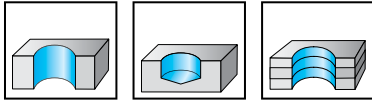
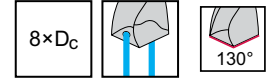
●● Primary application ● Other application

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

# Solid carbide drills with coolant-through

## A3486TIP

### Alpha® 44



B1

	P	M	K	N	S	H	O
TIP	●●	●	●	●●	●		●

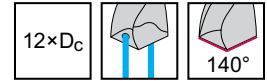
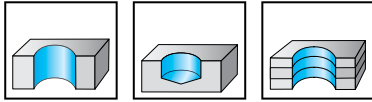
Tool	Designation	D <sub>c</sub> m7 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
<p>DIN 6535 HA</p>	A3486TIP-5	5	54	101	63	36	6
	A3486TIP-5.2	5,2	54	101	63	36	6
	A3486TIP-5.5	5,5	54	101	63	36	6
	A3486TIP-5.8	5,8	54	101	63	36	6
	A3486TIP-6	6	54	101	63	36	6
	A3486TIP-6.1	6,1	67	117	79	36	8
	A3486TIP-6.5	6,5	67	117	79	36	8
	A3486TIP-6.6	6,6	67	117	79	36	8
	A3486TIP-6.8	6,8	67	117	79	36	8
	A3486TIP-7	7	67	117	79	36	8
	A3486TIP-7.5	7,5	67	117	79	36	8
	A3486TIP-7.8	7,8	67	117	79	36	8
	A3486TIP-8	8	67	117	79	36	8
	A3486TIP-8.5	8,5	76	133	91	40	10
	A3486TIP-9	9	76	133	91	40	10

**WALTER  
SELECT**

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

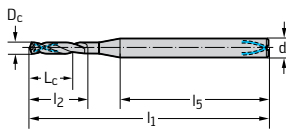
# Solid carbide micro drills with coolant-through

## DB133 Supreme



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

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ER
DB133-12-00.700A1-	0,7		9,9	53	11	35	3	☺
DB133-12-00.750A1-	0,75		10,8	53	12	34	3	☺
DB133-12-00.794A1-	0,794	1/32"	10,8	53	12	34	3	☺
DB133-12-00.800A1-	0,8		10,8	53	12	34	3	☺
DB133-12-00.850A1-	0,85		12,6	57	14	36	3	☺
DB133-12-00.900A1-	0,9		12,6	57	14	36	3	☺
DB133-12-00.950A1-	0,95		14,5	57	16	34	3	☺
DB133-12-01.000A1-	1		14,5	57	16	34	3	☺
DB133-12-01.050A1-	1,05		15	59	17	36	3	☺
DB133-12-01.100A1-	1,1		15	59	17	36	3	☺
DB133-12-01.150A1-	1,15		17	59	19	34	3	☺
DB133-12-01.191A1-	1,191	3/64"	17	59	19	34	3	☺
DB133-12-01.200A1-	1,2		17	59	19	34	3	☺
DB133-12-01.250A1-	1,25		17	59	19	34	3	☺
DB133-12-01.300A1-	1,3		18	63	20	37	3	☺
DB133-12-01.350A1-	1,35		19	63	22	35	3	☺
DB133-12-01.400A1-	1,4		19	63	22	35	3	☺
DB133-12-01.450A1-	1,45		20	63	23	34	3	☺
DB133-12-01.500A1-	1,5		20	63	23	34	3	☺
DB133-12-01.550A1-	1,55		22	67	25	37	3	☺
DB133-12-01.588A1-	1,588	1/16"	22	67	25	37	3	☺
DB133-12-01.600A1-	1,6		22	67	25	37	3	☺
DB133-12-01.650A1-	1,65		23	67	26	36	3	☺
DB133-12-01.700A1-	1,7		23	67	26	36	3	☺
DB133-12-01.750A1-	1,75		25	67	28	34	3	☺
DB133-12-01.800A1-	1,8		25	67	28	34	3	☺
DB133-12-01.850A1-	1,85		26	72	29	38	3	☺
DB133-12-01.900A1-	1,9		26	72	29	38	3	☺
DB133-12-01.950A1-	1,95		28	72	31	36	3	☺
DB133-12-01.984A1-	1,984	5/64"	28	72	31	36	3	☺
DB133-12-02.000A1-	2		28	72	31	36	3	☺
DB133-12-02.100A1-	2,1		29	72	33	35	3	☺
DB133-12-02.200A1-	2,2		30	72	34	34	3	☺
DB133-12-02.300A1-	2,3		32	77	36	37	3	☺
DB133-12-02.381A1-	2,381	3/32"	33	77	37	36	3	☺
DB133-12-02.400A1-	2,4		33	77	37	36	3	☺

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

**WALTER  
SELECT**

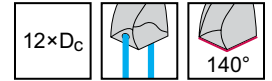
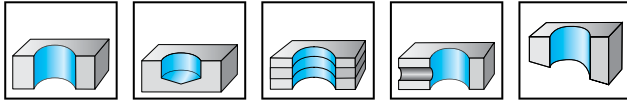
●● Primary application ● Other application  
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Tool		$D_c$ h7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30ER
	Designation								
	DB133-12-02.500A1-	2,5		35	77	39	34	3	☺☺
	DB133-12-02.600A1-	2,6		36	83	40	39	3	☺☺
	DB133-12-02.700A1-	2,7		37	83	42	38	3	☺☺
	DB133-12-02.778A1-	2,778	7/64"	38	83	43	37	3	☺☺
	DB133-12-02.800A1-	2,8		38	83	43	37	3	☺☺
DIN 6535 HA	DB133-12-02.900A1-	2,9		40	83	45	35	3	☺☺

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

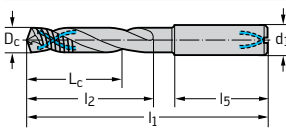
B1

# Solid carbide drills with coolant-through DC170 Supreme



WJ30EJ	P	M	K	N	S	H	O
	●●		●●			●	

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EJ
DC170-12-03.000A1-	3		48	92	54	36	6	☺
DC170-12-03.100A1-	3,1		48	92	54	36	6	☺
DC170-12-03.175A1-	3,175	1/8"	48	92	54	36	6	☺
DC170-12-03.200A1-	3,2		48	92	54	36	6	☺
DC170-12-03.300A1-	3,3		48	92	54	36	6	☺
DC170-12-03.400A1-	3,4		48	92	54	36	6	☺
DC170-12-03.500A1-	3,5		48	92	54	36	6	☺
DC170-12-03.572A1-	3,572	9/64"	48	92	54	36	6	☺
DC170-12-03.600A1-	3,6		48	92	54	36	6	☺
DC170-12-03.700A1-	3,7		48	92	54	36	6	☺
DC170-12-03.800A1-	3,8		56	102	64	36	6	☺
DC170-12-03.900A1-	3,9		56	102	64	36	6	☺
DC170-12-03.969A1-	3,969	5/32"	56	102	64	36	6	☺
DC170-12-04.000A1-	4		56	102	64	36	6	☺
DC170-12-04.100A1-	4,1		56	102	64	36	6	☺
DC170-12-04.200A1-	4,2		56	102	64	36	6	☺
DC170-12-04.300A1-	4,3		56	102	64	36	6	☺
DC170-12-04.366A1-	4,366	11/64"	56	102	64	36	6	☺
DC170-12-04.400A1-	4,4		56	102	64	36	6	☺
DC170-12-04.500A1-	4,5		56	102	64	36	6	☺
DC170-12-04.600A1-	4,6		56	102	64	36	6	☺
DC170-12-04.700A1-	4,7		56	102	64	36	6	☺
DC170-12-04.763A1-	4,763	3/16"	74	121	83	36	6	☺
DC170-12-04.800A1-	4,8		74	121	83	36	6	☺
DC170-12-04.900A1-	4,9		74	121	83	36	6	☺
DC170-12-05.000A1-	5		74	121	83	36	6	☺
DC170-12-05.100A1-	5,1		74	121	83	36	6	☺
DC170-12-05.159A1-	5,159	13/64"	74	121	83	36	6	☺
DC170-12-05.200A1-	5,2		74	121	83	36	6	☺
DC170-12-05.300A1-	5,3		74	121	83	36	6	☺
DC170-12-05.400A1-	5,4		74	121	83	36	6	☺
DC170-12-05.500A1-	5,5		74	121	83	36	6	☺
DC170-12-05.550A1-	5,55		74	121	83	36	6	☺
DC170-12-05.556A1-	5,556	7/32"	74	121	83	36	6	☺
DC170-12-05.600A1-	5,6		74	121	83	36	6	☺
DC170-12-05.700A1-	5,7		74	121	83	36	6	☺

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

**WALTER  
SELECT**

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30EJ
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC170-12-05.800A1-	5,8		74	121	83	36	6	☺☺
	DC170-12-05.900A1-	5,9		74	121	83	36	6	☺☺
	DC170-12-06.000A1-	6		74	121	83	36	6	☺☺
	DC170-12-06.100A1-	6,1		98	148	110	36	8	☺☺
	DC170-12-06.200A1-	6,2		98	148	110	36	8	☺☺
	DC170-12-06.300A1-	6,3		98	148	110	36	8	☺☺
	DC170-12-06.350A1-	6,350	1/4"	98	148	110	36	8	☺☺
	DC170-12-06.400A1-	6,4		98	148	110	36	8	☺☺
	DC170-12-06.500A1-	6,5		98	148	110	36	8	☺☺
	DC170-12-06.600A1-	6,6		98	148	110	36	8	☺☺
	DC170-12-06.747A1-	6,747	17/64"	98	148	110	36	8	☺☺
	DC170-12-06.800A1-	6,8		98	148	110	36	8	☺☺
	DC170-12-06.900A1-	6,9		98	148	110	36	8	☺☺
	DC170-12-07.000A1-	7		98	148	110	36	8	☺☺
	DC170-12-07.100A1-	7,1		98	148	110	36	8	☺☺
	DC170-12-07.144A1-	7,144	9/32"	98	148	110	36	8	☺☺
	DC170-12-07.300A1-	7,3		98	148	110	36	8	☺☺
	DC170-12-07.400A1-	7,4		98	148	110	36	8	☺☺
	DC170-12-07.500A1-	7,5		98	148	110	36	8	☺☺
	DC170-12-07.541A1-	7,541	19/64"	98	148	110	36	8	☺☺
	DC170-12-07.800A1-	7,8		98	148	110	36	8	☺☺
	DC170-12-07.900A1-	7,9		98	148	110	36	8	☺☺
	DC170-12-07.938A1-	7,938	5/16"	98	148	110	36	8	☺☺
	DC170-12-08.000A1-	8		98	148	110	36	8	☺☺
	DC170-12-08.100A1-	8,1		123	180	138	40	10	☺☺
	DC170-12-08.200A1-	8,2		123	180	138	40	10	☺☺
	DC170-12-08.300A1-	8,3		123	180	138	40	10	☺☺
	DC170-12-08.400A1-	8,4		123	180	138	40	10	☺☺
	DC170-12-08.500A1-	8,5		123	180	138	40	10	☺☺
	DC170-12-08.600A1-	8,6		123	180	138	40	10	☺☺
	DC170-12-08.700A1-	8,7		123	180	138	40	10	☺☺
	DC170-12-08.731A1-	8,731	11/32"	123	180	138	40	10	☺☺
	DC170-12-08.800A1-	8,8		123	180	138	40	10	☺☺
	DC170-12-09.000A1-	9		123	180	138	40	10	☺☺
DC170-12-09.128A1-	9,128	23/64"	123	180	138	40	10	☺☺	
DC170-12-09.300A1-	9,3		123	180	138	40	10	☺☺	
DC170-12-09.500A1-	9,5		123	180	138	40	10	☺☺	
DC170-12-09.525A1-	9,525	3/8"	123	180	138	40	10	☺☺	
DC170-12-09.600A1-	9,6		123	180	138	40	10	☺☺	
DC170-12-09.700A1-	9,7		123	180	138	40	10	☺☺	
DC170-12-09.800A1-	9,8		123	180	138	40	10	☺☺	
DC170-12-09.922A1-	9,922	25/64"	123	180	138	40	10	☺☺	
DC170-12-10.000A1-	10		123	180	138	40	10	☺☺	
DC170-12-10.100A1-	10,1		140	206	158	45	12	☺☺	
DC170-12-10.200A1-	10,2		140	206	158	45	12	☺☺	
DC170-12-10.300A1-	10,3		140	206	158	45	12	☺☺	

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

**WALTER  
SELECT**

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



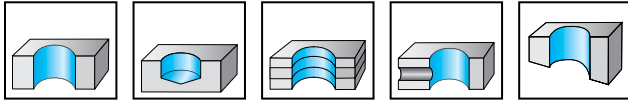
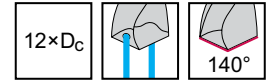
Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30EJ
		m7 mm							
	DC170-12-10.319A1-	10,319	13/32"	140	206	158	45	12	☹
	DC170-12-10.400A1-	10,4		140	206	158	45	12	☹
	DC170-12-10.500A1-	10,5		140	206	158	45	12	☹
	DC170-12-11.000A1-	11		140	206	158	45	12	☹
	DC170-12-11.100A1-	11,1		140	206	158	45	12	☹
	DC170-12-11.113A1-	11,113	7/16"	140	206	158	45	12	☹
	DC170-12-11.200A1-	11,2		140	206	158	45	12	☹
	DC170-12-11.500A1-	11,5		140	206	158	45	12	☹
	DC170-12-11.509A1-	11,509	29/64"	140	206	158	45	12	☹
	DC170-12-11.700A1-	11,7		140	206	158	45	12	☹
	DC170-12-11.800A1-	11,8		140	206	158	45	12	☹
	DC170-12-11.906A1-	11,906	15/32"	140	206	158	45	12	☹
	DC170-12-12.000A1-	12		140	206	158	45	12	☹
	DC170-12-12.200A1-	12,2		168	230	182	45	14	☹
	DC170-12-12.303A1-	12,303	31/64"	168	230	182	45	14	☹
	DC170-12-12.500A1-	12,5		168	230	182	45	14	☹
	DC170-12-12.600A1-	12,6		168	230	182	45	14	☹
	DC170-12-12.700A1-	12,700	1/2"	168	230	182	45	14	☹
	DC170-12-13.000A1-	13		168	230	182	45	14	☹
	DC170-12-13.494A1-	13,494	17/32"	168	230	182	45	14	☹
	DC170-12-13.500A1-	13,5		168	230	182	45	14	☹
	DC170-12-14.000A1-	14		168	230	182	45	14	☹
	DC170-12-14.288A1-	14,288	9/16"	192	260	208	48	16	☹
	DC170-12-14.500A1-	14,5		192	260	208	48	16	☹
	DC170-12-15.000A1-	15		192	260	208	48	16	☹
	DC170-12-15.500A1-	15,5		192	260	208	48	16	☹
	DC170-12-15.875A1-	15,875	5/8"	192	260	208	48	16	☹
	DC170-12-16.000A1-	16		192	260	208	48	16	☹
	DC170-12-16.500A1-	16,5		216	285	234	48	18	☹
	DC170-12-17.000A1-	17		216	285	234	48	18	☹
	DC170-12-17.500A1-	17,5		216	285	234	48	18	☹
	DC170-12-18.000A1-	18		216	285	234	48	18	☹
	DC170-12-19.000A1-	19		238	310	258	50	20	☹
	DC170-12-19.500A1-	19,5		238	310	258	50	20	☹
	DC170-12-20.000A1-	20		238	310	258	50	20	☹

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

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

B 1

**Solid carbide drills with coolant-through**  
**DC160 Advance**  
**X-treme Evo**



	P	M	K	N	S	H	O
WJ30EU	●●	●	●●	●●	●●	●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EU
 DIN 6535 HA	DC160-12-03.000A1-	3		48	92	54	36	6	☺
	DC160-12-03.100A1-	3,1		48	92	54	36	6	☺
	DC160-12-03.175A1-	3,175	1/8"	48	92	54	36	6	☺
	DC160-12-03.200A1-	3,2		48	92	54	36	6	☺
	DC160-12-03.300A1-	3,3		48	92	54	36	6	☺
	DC160-12-03.400A1-	3,4		48	92	54	36	6	☺
	DC160-12-03.500A1-	3,5		48	92	54	36	6	☺
	DC160-12-03.572A1-	3,572	9/64"	48	92	54	36	6	☺
	DC160-12-03.600A1-	3,6		48	92	54	36	6	☺
	DC160-12-03.700A1-	3,7		48	92	54	36	6	☺
	DC160-12-03.800A1-	3,8		56	102	64	36	6	☺
	DC160-12-03.900A1-	3,9		56	102	64	36	6	☺
	DC160-12-03.969A1-	3,969	5/32"	56	102	64	36	6	☺
	DC160-12-04.000A1-	4		56	102	64	36	6	☺
	DC160-12-04.100A1-	4,1		56	102	64	36	6	☺
	DC160-12-04.200A1-	4,2		56	102	64	36	6	☺
	DC160-12-04.300A1-	4,3		56	102	64	36	6	☺
	DC160-12-04.366A1-	4,366	11/64"	56	102	64	36	6	☺
	DC160-12-04.400A1-	4,4		56	102	64	36	6	☺
	DC160-12-04.500A1-	4,5		56	102	64	36	6	☺
	DC160-12-04.600A1-	4,6		56	102	64	36	6	☺
	DC160-12-04.700A1-	4,7		56	102	64	36	6	☺
	DC160-12-04.763A1-	4,763	3/16"	74	121	83	36	6	☺
	DC160-12-04.800A1-	4,8		74	121	83	36	6	☺
	DC160-12-04.900A1-	4,9		74	121	83	36	6	☺
	DC160-12-05.000A1-	5		74	121	83	36	6	☺
	DC160-12-05.100A1-	5,1		74	121	83	36	6	☺
	DC160-12-05.159A1-	5,159	13/64"	74	121	83	36	6	☺
	DC160-12-05.200A1-	5,2		74	121	83	36	6	☺
	DC160-12-05.300A1-	5,3		74	121	83	36	6	☺
	DC160-12-05.400A1-	5,4		74	121	83	36	6	☺
	DC160-12-05.500A1-	5,5		74	121	83	36	6	☺
	DC160-12-05.550A1-	5,55		74	121	83	36	6	☺
	DC160-12-05.556A1-	5,556	7/32"	74	121	83	36	6	☺
	DC160-12-05.600A1-	5,6		74	121	83	36	6	☺
	DC160-12-05.700A1-	5,7		74	121	83	36	6	☺

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

**WALTER SELECT**

●● Primary application ● Other application

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30EU
		mm		mm	mm	mm	mm		
	DC160-12-05.800A1-	5,8		74	121	83	36	6	☺
	DC160-12-05.900A1-	5,9		74	121	83	36	6	☺
	DC160-12-06.000A1-	6		74	121	83	36	6	☺
	DC160-12-06.100A1-	6,1		98	148	110	36	8	☺
	DC160-12-06.200A1-	6,2		98	148	110	36	8	☺
	DC160-12-06.300A1-	6,3		98	148	110	36	8	☺
	DC160-12-06.350A1-	6,350	1/4"	98	148	110	36	8	☺
	DC160-12-06.400A1-	6,4		98	148	110	36	8	☺
	DC160-12-06.500A1-	6,5		98	148	110	36	8	☺
	DC160-12-06.600A1-	6,6		98	148	110	36	8	☺
	DC160-12-06.700A1-	6,7		98	148	110	36	8	☺
	DC160-12-06.747A1-	6,747	17/64"	98	148	110	36	8	☺
	DC160-12-06.800A1-	6,8		98	148	110	36	8	☺
	DC160-12-06.900A1-	6,9		98	148	110	36	8	☺
	DC160-12-07.000A1-	7		98	148	110	36	8	☺
	DC160-12-07.100A1-	7,1		98	148	110	36	8	☺
	DC160-12-07.144A1-	7,144	9/32"	98	148	110	36	8	☺
	DC160-12-07.200A1-	7,2		98	148	110	36	8	☺
	DC160-12-07.300A1-	7,3		98	148	110	36	8	☺
	DC160-12-07.400A1-	7,4		98	148	110	36	8	☺
	DC160-12-07.500A1-	7,5		98	148	110	36	8	☺
	DC160-12-07.541A1-	7,541	19/64"	98	148	110	36	8	☺
	DC160-12-07.800A1-	7,8		98	148	110	36	8	☺
	DC160-12-07.900A1-	7,9		98	148	110	36	8	☺
	DC160-12-07.938A1-	7,938	5/16"	98	148	110	36	8	☺
	DC160-12-08.000A1-	8		98	148	110	36	8	☺
	DC160-12-08.100A1-	8,1		123	180	138	40	10	☺
	DC160-12-08.200A1-	8,2		123	180	138	40	10	☺
	DC160-12-08.300A1-	8,3		123	180	138	40	10	☺
	DC160-12-08.400A1-	8,4		123	180	138	40	10	☺
	DC160-12-08.500A1-	8,5		123	180	138	40	10	☺
	DC160-12-08.600A1-	8,6		123	180	138	40	10	☺
	DC160-12-08.700A1-	8,7		123	180	138	40	10	☺
	DC160-12-08.731A1-	8,731	11/32"	123	180	138	40	10	☺
	DC160-12-08.800A1-	8,8		123	180	138	40	10	☺
	DC160-12-09.000A1-	9		123	180	138	40	10	☺
	DC160-12-09.128A1-	9,128	23/64"	123	180	138	40	10	☺
	DC160-12-09.200A1-	9,2		123	180	138	40	10	☺
	DC160-12-09.300A1-	9,3		123	180	138	40	10	☺
	DC160-12-09.500A1-	9,5		123	180	138	40	10	☺
	DC160-12-09.525A1-	9,525	3/8"	123	180	138	40	10	☺
	DC160-12-09.600A1-	9,6		123	180	138	40	10	☺
	DC160-12-09.700A1-	9,7		123	180	138	40	10	☺
	DC160-12-09.800A1-	9,8		123	180	138	40	10	☺
	DC160-12-09.922A1-	9,922	25/64"	123	180	138	40	10	☺
	DC160-12-10.000A1-	10		123	180	138	40	10	☺

DIN 6535 HA

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

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

B1

B1

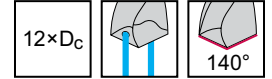
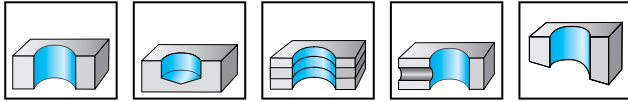
Tool	Designation	D <sub>c</sub>	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	d <sub>1</sub>	WJ30EU
		m7 mm						
	DC160-12-10.100A1-	10,1	140	206	158	45	12	☹
	DC160-12-10.200A1-	10,2	140	206	158	45	12	☹
	DC160-12-10.300A1-	10,3	140	206	158	45	12	☹
	DC160-12-10.319A1-	10,319	140	206	158	45	12	☹
	DC160-12-10.400A1-	10,4	140	206	158	45	12	☹
	DC160-12-10.500A1-	10,5	140	206	158	45	12	☹
	DC160-12-10.716A1-	10,716	140	206	158	45	12	☹
	DC160-12-10.800A1-	10,8	140	206	158	45	12	☹
	DC160-12-11.000A1-	11	140	206	158	45	12	☹
	DC160-12-11.100A1-	11,1	140	206	158	45	12	☹
	DC160-12-11.113A1-	11,113	140	206	158	45	12	☹
	DC160-12-11.200A1-	11,2	140	206	158	45	12	☹
	DC160-12-11.500A1-	11,5	140	206	158	45	12	☹
	DC160-12-11.509A1-	11,509	140	206	158	45	12	☹
	DC160-12-11.700A1-	11,7	140	206	158	45	12	☹
	DC160-12-11.800A1-	11,8	140	206	158	45	12	☹
	DC160-12-11.906A1-	11,906	140	206	158	45	12	☹
	DC160-12-12.000A1-	12	140	206	158	45	12	☹
	DC160-12-12.100A1-	12,1	168	230	182	45	14	☹
	DC160-12-12.200A1-	12,2	168	230	182	45	14	☹
	DC160-12-12.300A1-	12,3	168	230	182	45	14	☹
	DC160-12-12.303A1-	12,303	168	230	182	45	14	☹
	DC160-12-12.500A1-	12,5	168	230	182	45	14	☹
	DC160-12-12.600A1-	12,6	168	230	182	45	14	☹
	DC160-12-12.700A1-	12,700	168	230	182	45	14	☹
	DC160-12-13.000A1-	13	168	230	182	45	14	☹
	DC160-12-13.494A1-	13,494	168	230	182	45	14	☹
	DC160-12-13.500A1-	13,5	168	230	182	45	14	☹
	DC160-12-14.000A1-	14	168	230	182	45	14	☹
	DC160-12-14.288A1-	14,288	192	260	208	48	16	☹
	DC160-12-14.500A1-	14,5	192	260	208	48	16	☹
	DC160-12-15.000A1-	15	192	260	208	48	16	☹
	DC160-12-15.500A1-	15,5	192	260	208	48	16	☹
	DC160-12-15.875A1-	15,875	192	260	208	48	16	☹
	DC160-12-16.000A1-	16	192	260	208	48	16	☹
	DC160-12-16.500A1-	16,5	216	285	234	48	18	☹
	DC160-12-17.000A1-	17	216	285	234	48	18	☹
	DC160-12-17.500A1-	17,5	216	285	234	48	18	☹
	DC160-12-18.000A1-	18	216	285	234	48	18	☹
	DC160-12-18.500A1-	18,5	238	310	258	50	20	☹
	DC160-12-19.000A1-	19	238	310	258	50	20	☹
	DC160-12-19.500A1-	19,5	238	310	258	50	20	☹
	DC160-12-20.000A1-	20	238	310	258	50	20	☹

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

**WALTER  
SELECT**

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

# Solid carbide drills with coolant-through DC150 Perform



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

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30TA
<p>DIN 6535 HA</p>	DC150-12-03.000A1-	3		48	92	54	36	6	☺
	DC150-12-03.100A1-	3,1		48	92	54	36	6	☺
	DC150-12-03.175A1-	3,175	1/8"	48	92	54	36	6	☺
	DC150-12-03.200A1-	3,2		48	92	54	36	6	☺
	DC150-12-03.300A1-	3,3		48	92	54	36	6	☺
	DC150-12-03.400A1-	3,4		48	92	54	36	6	☺
	DC150-12-03.500A1-	3,5		48	92	54	36	6	☺
	DC150-12-03.572A1-	3,572	9/64"	48	92	54	36	6	☺
	DC150-12-03.600A1-	3,6		48	92	54	36	6	☺
	DC150-12-03.700A1-	3,7		48	92	54	36	6	☺
	DC150-12-03.800A1-	3,8		56	102	64	36	6	☺
	DC150-12-03.900A1-	3,9		56	102	64	36	6	☺
	DC150-12-03.969A1-	3,969	5/32"	56	102	64	36	6	☺
	DC150-12-04.000A1-	4		56	102	64	36	6	☺
	DC150-12-04.100A1-	4,1		56	102	64	36	6	☺
	DC150-12-04.200A1-	4,2		56	102	64	36	6	☺
	DC150-12-04.300A1-	4,3		56	102	64	36	6	☺
	DC150-12-04.366A1-	4,366	11/64"	56	102	64	36	6	☺
	DC150-12-04.400A1-	4,4		56	102	64	36	6	☺
	DC150-12-04.500A1-	4,5		56	102	64	36	6	☺
	DC150-12-04.600A1-	4,6		56	102	64	36	6	☺
	DC150-12-04.700A1-	4,7		56	102	64	36	6	☺
	DC150-12-04.763A1-	4,763	3/16"	74	121	83	36	6	☺
	DC150-12-04.800A1-	4,8		74	121	83	36	6	☺
	DC150-12-04.900A1-	4,9		74	121	83	36	6	☺
	DC150-12-05.000A1-	5		74	121	83	36	6	☺
	DC150-12-05.100A1-	5,1		74	121	83	36	6	☺
	DC150-12-05.159A1-	5,159	13/64"	74	121	83	36	6	☺
	DC150-12-05.200A1-	5,2		74	121	83	36	6	☺
	DC150-12-05.300A1-	5,3		74	121	83	36	6	☺
	DC150-12-05.400A1-	5,4		74	121	83	36	6	☺
	DC150-12-05.500A1-	5,5		74	121	83	36	6	☺
	DC150-12-05.550A1-	5,55		74	121	83	36	6	☺
	DC150-12-05.556A1-	5,556	7/32"	74	121	83	36	6	☺
	DC150-12-05.600A1-	5,6		74	121	83	36	6	☺
DC150-12-05.700A1-	5,7		74	121	83	36	6	☺	

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

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

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30TA
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC150-12-05.800A1-	5,8		74	121	83	36	6	☺
	DC150-12-05.900A1-	5,9		74	121	83	36	6	☺
	DC150-12-06.000A1-	6		74	121	83	36	6	☺
	DC150-12-06.100A1-	6,1		98	148	110	36	8	☺
	DC150-12-06.200A1-	6,2		98	148	110	36	8	☺
	DC150-12-06.300A1-	6,3		98	148	110	36	8	☺
	DC150-12-06.350A1-	6,350	1/4"	98	148	110	36	8	☺
	DC150-12-06.400A1-	6,4		98	148	110	36	8	☺
	DC150-12-06.500A1-	6,5		98	148	110	36	8	☺
	DC150-12-06.600A1-	6,6		98	148	110	36	8	☺
	DC150-12-06.700A1-	6,7		98	148	110	36	8	☺
	DC150-12-06.747A1-	6,747	17/64"	98	148	110	36	8	☺
	DC150-12-06.800A1-	6,8		98	148	110	36	8	☺
	DC150-12-06.900A1-	6,9		98	148	110	36	8	☺
	DC150-12-07.000A1-	7		98	148	110	36	8	☺
	DC150-12-07.100A1-	7,1		98	148	110	36	8	☺
	DC150-12-07.144A1-	7,144	9/32"	98	148	110	36	8	☺
	DC150-12-07.200A1-	7,2		98	148	110	36	8	☺
	DC150-12-07.300A1-	7,3		98	148	110	36	8	☺
	DC150-12-07.400A1-	7,4		98	148	110	36	8	☺
	DC150-12-07.500A1-	7,5		98	148	110	36	8	☺
	DC150-12-07.541A1-	7,541	19/64"	98	148	110	36	8	☺
	DC150-12-07.800A1-	7,8		98	148	110	36	8	☺
	DC150-12-07.900A1-	7,9		98	148	110	36	8	☺
	DC150-12-07.938A1-	7,938	5/16"	98	148	110	36	8	☺
	DC150-12-08.000A1-	8		98	148	110	36	8	☺
	DC150-12-08.100A1-	8,1		123	180	138	40	10	☺
	DC150-12-08.200A1-	8,2		123	180	138	40	10	☺
	DC150-12-08.300A1-	8,3		123	180	138	40	10	☺
	DC150-12-08.400A1-	8,4		123	180	138	40	10	☺
	DC150-12-08.500A1-	8,5		123	180	138	40	10	☺
	DC150-12-08.600A1-	8,6		123	180	138	40	10	☺
	DC150-12-08.700A1-	8,7		123	180	138	40	10	☺
	DC150-12-08.731A1-	8,731	11/32"	123	180	138	40	10	☺
	DC150-12-08.800A1-	8,8		123	180	138	40	10	☺
DC150-12-09.000A1-	9		123	180	138	40	10	☺	
DC150-12-09.128A1-	9,128	23/64"	123	180	138	40	10	☺	
DC150-12-09.200A1-	9,2		123	180	138	40	10	☺	
DC150-12-09.300A1-	9,3		123	180	138	40	10	☺	
DC150-12-09.500A1-	9,5		123	180	138	40	10	☺	
DC150-12-09.525A1-	9,525	3/8"	123	180	138	40	10	☺	
DC150-12-09.600A1-	9,6		123	180	138	40	10	☺	
DC150-12-09.700A1-	9,7		123	180	138	40	10	☺	
DC150-12-09.800A1-	9,8		123	180	138	40	10	☺	
DC150-12-09.922A1-	9,922	25/64"	123	180	138	40	10	☺	
DC150-12-10.000A1-	10		123	180	138	40	10	☺	

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	d <sub>1</sub> h <sub>6</sub>	WJ30TA
		m7 mm		mm	mm	mm	mm	mm	
	DC150-12-10.100A1-	10,1		140	206	158	45	12	☺
	DC150-12-10.200A1-	10,2		140	206	158	45	12	☺
	DC150-12-10.300A1-	10,3		140	206	158	45	12	☺
	DC150-12-10.319A1-	10,319	13/32"	140	206	158	45	12	☺
	DC150-12-10.500A1-	10,5		140	206	158	45	12	☺
	DC150-12-10.716A1-	10,716	27/64"	140	206	158	45	12	☺
	DC150-12-10.800A1-	10,8		140	206	158	45	12	☺
	DC150-12-11.000A1-	11		140	206	158	45	12	☺
	DC150-12-11.100A1-	11,1		140	206	158	45	12	☺
	DC150-12-11.113A1-	11,113	7/16"	140	206	158	45	12	☺
	DC150-12-11.200A1-	11,2		140	206	158	45	12	☺
	DC150-12-11.500A1-	11,5		140	206	158	45	12	☺
	DC150-12-11.509A1-	11,509	29/64"	140	206	158	45	12	☺
	DC150-12-11.700A1-	11,7		140	206	158	45	12	☺
	DC150-12-11.800A1-	11,8		140	206	158	45	12	☺
	DC150-12-11.906A1-	11,906	15/32"	140	206	158	45	12	☺
	DC150-12-12.000A1-	12		140	206	158	45	12	☺
	DC150-12-12.100A1-	12,1		168	230	182	45	14	☺
	DC150-12-12.200A1-	12,2		168	230	182	45	14	☺
	DC150-12-12.300A1-	12,3		168	230	182	45	14	☺
	DC150-12-12.303A1-	12,303	31/64"	168	230	182	45	14	☺
	DC150-12-12.500A1-	12,5		168	230	182	45	14	☺
	DC150-12-12.600A1-	12,6		168	230	182	45	14	☺
	DC150-12-12.700A1-	12,700	1/2"	168	230	182	45	14	☺
	DC150-12-13.000A1-	13		168	230	182	45	14	☺
	DC150-12-13.494A1-	13,494	17/32"	168	230	182	45	14	☺
	DC150-12-13.500A1-	13,5		168	230	182	45	14	☺
	DC150-12-14.000A1-	14		168	230	182	45	14	☺
	DC150-12-14.288A1-	14,288	9/16"	192	260	208	48	16	☺
	DC150-12-14.500A1-	14,5		192	260	208	48	16	☺
	DC150-12-15.000A1-	15		192	260	208	48	16	☺
	DC150-12-15.500A1-	15,5		192	260	208	48	16	☺
	DC150-12-15.875A1-	15,875	5/8"	192	260	208	48	16	☺
	DC150-12-16.000A1-	16		192	260	208	48	16	☺
	DC150-12-16.500A1-	16,5		216	285	234	48	18	☺
	DC150-12-17.000A1-	17		216	285	234	48	18	☺
	DC150-12-17.500A1-	17,5		216	285	234	48	18	☺
	DC150-12-18.000A1-	18		216	285	234	48	18	☺
	DC150-12-19.000A1-	19		238	310	258	50	20	☺
	DC150-12-20.000A1-	20		238	310	258	50	20	☺

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

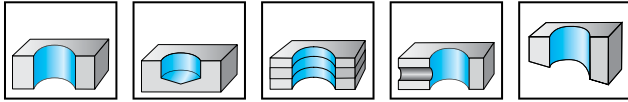
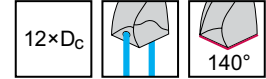
**WALTER SELECT** ●● Primary application ● Other application

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

# Solid carbide drills with coolant-through

## A6589DPP

### X-treme D12



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

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
<p>DIN 6535 HA</p>	A6589DPP-3	3		48	92	54	36	6
	A6589DPP-3.1	3,1		48	92	54	36	6
	A6589DPP-1/8IN	3,175	1/8"	48	92	54	36	6
	A6589DPP-3.2	3,2		48	92	54	36	6
	A6589DPP-3.3	3,3		48	92	54	36	6
	A6589DPP-3.4	3,4		48	92	54	36	6
	A6589DPP-3.5	3,5		48	92	54	36	6
	A6589DPP-9/64IN	3,572	9/64"	48	92	54	36	6
	A6589DPP-3.6	3,6		48	92	54	36	6
	A6589DPP-3.7	3,7		48	92	54	36	6
	A6589DPP-3.8	3,8		56	102	64	36	6
	A6589DPP-3.9	3,9		56	102	64	36	6
	A6589DPP-5/32IN	3,969	5/32"	56	102	64	36	6
	A6589DPP-4	4		56	102	64	36	6
	A6589DPP-4.1	4,1		56	102	64	36	6
	A6589DPP-4.2	4,2		56	102	64	36	6
	A6589DPP-4.3	4,3		56	102	64	36	6
	A6589DPP-11/64IN	4,366	11/64"	56	102	64	36	6
	A6589DPP-4.4	4,4		56	102	64	36	6
	A6589DPP-4.5	4,5		56	102	64	36	6
	A6589DPP-4.6	4,6		56	102	64	36	6
	A6589DPP-4.7	4,7		56	102	64	36	6
	A6589DPP-3/16IN	4,763	3/16"	74	121	83	36	6
	A6589DPP-4.8	4,8		74	121	83	36	6
	A6589DPP-4.9	4,9		74	121	83	36	6
	A6589DPP-5	5		74	121	83	36	6
	A6589DPP-5.1	5,1		74	121	83	36	6
	A6589DPP-13/64IN	5,159	13/64"	74	121	83	36	6
	A6589DPP-5.2	5,2		74	121	83	36	6
	A6589DPP-5.3	5,3		74	121	83	36	6
A6589DPP-5.4	5,4		74	121	83	36	6	
A6589DPP-5.5	5,5		74	121	83	36	6	
A6589DPP-5.55	5,55		74	121	83	36	6	
A6589DPP-7/32IN	5,556	7/32"	74	121	83	36	6	
A6589DPP-5.6	5,6		74	121	83	36	6	
A6589DPP-5.7	5,7		74	121	83	36	6	

**WALTER  
SELECT**

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



Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$
		m7 mm		mm	mm	mm	mm	h6 mm
<p>DIN 6535 HA</p>	A6589DPP-5.8	5,8		74	121	83	36	6
	A6589DPP-5.9	5,9		74	121	83	36	6
	A6589DPP-6	6		74	121	83	36	6
	A6589DPP-6.1	6,1		98	148	110	36	8
	A6589DPP-6.2	6,2		98	148	110	36	8
	A6589DPP-6.3	6,3		98	148	110	36	8
	A6589DPP-1/4IN	6,350	1/4"	98	148	110	36	8
	A6589DPP-6.4	6,4		98	148	110	36	8
	A6589DPP-6.5	6,5		98	148	110	36	8
	A6589DPP-6.6	6,6		98	148	110	36	8
A6589DPP-6.7	6,7		98	148	110	36	8	
A6589DPP-17/64IN	6,747	17/64"	98	148	110	36	8	
A6589DPP-6.8	6,8		98	148	110	36	8	
A6589DPP-6.9	6,9		98	148	110	36	8	
A6589DPP-7	7		98	148	110	36	8	
A6589DPP-7.1	7,1		98	148	110	36	8	
A6589DPP-9/32IN	7,144	9/32"	98	148	110	36	8	
A6589DPP-7.2	7,2		98	148	110	36	8	
A6589DPP-7.3	7,3		98	148	110	36	8	
A6589DPP-7.4	7,4		98	148	110	36	8	
A6589DPP-7.5	7,5		98	148	110	36	8	
A6589DPP-19/64IN	7,541	19/64"	98	148	110	36	8	
A6589DPP-7.8	7,8		98	148	110	36	8	
A6589DPP-7.9	7,9		98	148	110	36	8	
A6589DPP-5/16IN	7,938	5/16"	98	148	110	36	8	
A6589DPP-8	8		98	148	110	36	8	
A6589DPP-8.1	8,1		123	180	138	40	10	
A6589DPP-8.2	8,2		123	180	138	40	10	
A6589DPP-8.3	8,3		123	180	138	40	10	
A6589DPP-8.4	8,4		123	180	138	40	10	
A6589DPP-8.5	8,5		123	180	138	40	10	
A6589DPP-8.6	8,6		123	180	138	40	10	
A6589DPP-8.7	8,7		123	180	138	40	10	
A6589DPP-11/32IN	8,731	11/32"	123	180	138	40	10	
A6589DPP-8.8	8,8		123	180	138	40	10	
A6589DPP-9	9		123	180	138	40	10	
A6589DPP-23/64IN	9,128	23/64"	123	180	138	40	10	
A6589DPP-9.2	9,2		123	180	138	40	10	
A6589DPP-9.3	9,3		123	180	138	40	10	
A6589DPP-9.5	9,5		123	180	138	40	10	
A6589DPP-3/8IN	9,525	3/8"	123	180	138	40	10	
A6589DPP-9.6	9,6		123	180	138	40	10	
A6589DPP-9.7	9,7		123	180	138	40	10	
A6589DPP-9.8	9,8		123	180	138	40	10	
A6589DPP-25/64IN	9,922	25/64"	123	180	138	40	10	
A6589DPP-10	10		123	180	138	40	10	

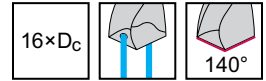
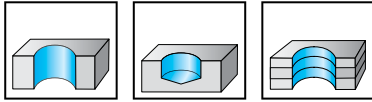
B1

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

B1

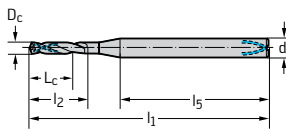
Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>
		m7 mm						
A6589DPP-10.1		10,1		140	206	158	45	12
A6589DPP-10.2		10,2		140	206	158	45	12
A6589DPP-10.3		10,3		140	206	158	45	12
A6589DPP-13/32IN		10,319	13/32"	140	206	158	45	12
A6589DPP-10.4		10,4		140	206	158	45	12
A6589DPP-10.5		10,5		140	206	158	45	12
A6589DPP-27/64IN		10,716	27/64"	140	206	158	45	12
A6589DPP-10.8		10,8		140	206	158	45	12
A6589DPP-11		11		140	206	158	45	12
A6589DPP-11.1		11,1		140	206	158	45	12
A6589DPP-7/16IN		11,113	7/16"	140	206	158	45	12
A6589DPP-11.2		11,2		140	206	158	45	12
A6589DPP-11.5		11,5		140	206	158	45	12
A6589DPP-29/64IN		11,509	29/64"	140	206	158	45	12
A6589DPP-11.7		11,7		140	206	158	45	12
A6589DPP-11.8		11,8		140	206	158	45	12
A6589DPP-15/32IN		11,906	15/32"	140	206	158	45	12
A6589DPP-12		12		140	206	158	45	12
A6589DPP-12.1		12,1		168	230	182	45	14
A6589DPP-12.2		12,2		168	230	182	45	14
A6589DPP-12.3		12,3		168	230	182	45	14
A6589DPP-31/64IN		12,303	31/64"	168	230	182	45	14
A6589DPP-12.5		12,5		168	230	182	45	14
A6589DPP-12.6		12,6		168	230	182	45	14
A6589DPP-1/2IN		12,700	1/2"	168	230	182	45	14
A6589DPP-13		13		168	230	182	45	14
A6589DPP-17/32IN		13,494	17/32"	168	230	182	45	14
A6589DPP-13.5		13,5		168	230	182	45	14
A6589DPP-14		14		168	230	182	45	14
A6589DPP-9/16IN		14,288	9/16"	192	260	208	48	16
A6589DPP-14.5		14,5		192	260	208	48	16
A6589DPP-15		15		192	260	208	48	16
A6589DPP-15.5		15,5		192	260	208	48	16
A6589DPP-5/8IN		15,875	5/8"	192	260	208	48	16
A6589DPP-16		16		192	260	208	48	16
A6589DPP-16.5		16,5		216	285	234	48	18
A6589DPP-17		17		216	285	234	48	18
A6589DPP-17.5		17,5		216	285	234	48	18
A6589DPP-18		18		216	285	234	48	18
A6589DPP-18.5		18,5		238	310	258	50	20
A6589DPP-19		19		238	310	258	50	20
A6589DPP-19.5		19,5		238	310	258	50	20
A6589DPP-20		20		238	310	258	50	20

# Solid carbide micro drills with coolant-through DB133 Supreme



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

## Tool



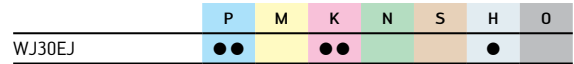
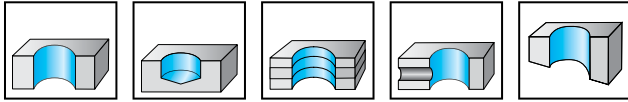
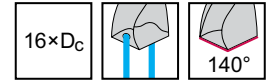
DIN 6535 HA

Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ER
DB133-16-02.000A1-	2		36	81	39	37	3	☺
DB133-16-02.100A1-	2,1		37	81	41	36	3	☺
DB133-16-02.200A1-	2,2		39	81	43	34	3	☺
DB133-16-02.300A1-	2,3		41	87	45	38	3	☺
DB133-16-02.381A1-	2,381	3/32"	43	87	47	36	3	☺
DB133-16-02.400A1-	2,4		43	87	47	36	3	☺
DB133-16-02.500A1-	2,5		45	87	49	34	3	☺
DB133-16-02.600A1-	2,6		47	95	51	40	3	☺
DB133-16-02.700A1-	2,7		48	95	53	39	3	☺
DB133-16-02.778A1-	2,778	7/64"	50	95	55	37	3	☺
DB133-16-02.800A1-	2,8		50	95	55	37	3	☺
DB133-16-02.900A1-	2,9		52	95	57	35	3	☺

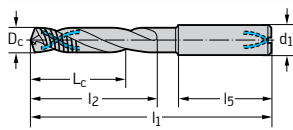
Ordering example for the grade WJ30ER: DB133-16-02.000A1-WJ30ER

# Solid carbide drills with coolant-through

## DC170 Supreme



B1

**Tool**


DIN 6535 HA

Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EJ
DC170-16-03.000A1-	3		52	89	57	28	4	☺
DC170-16-03.175A1-	3,175	1/8"	60	98	66	28	4	☺
DC170-16-03.500A1-	3,5		72	110	78	28	4	☺
DC170-16-03.572A1-	3,572	9/64"	72	110	78	28	4	☺
DC170-16-03.969A1-	3,969	5/32"	72	110	78	28	4	☺
DC170-16-04.000A1-	4		72	110	78	28	4	☺
DC170-16-04.500A1-	4,5		93	132	100	28	5	☺
DC170-16-04.763A1-	4,763	3/16"	92	132	100	28	5	☺
DC170-16-04.800A1-	4,8		92	132	100	28	5	☺
DC170-16-05.000A1-	5		92	132	100	28	5	☺
DC170-16-05.500A1-	5,5		101	150	110	36	6	☺
DC170-16-05.556A1-	5,556	7/32"	111	160	120	36	6	☺
DC170-16-05.800A1-	5,8		111	160	120	36	6	☺
DC170-16-06.000A1-	6		111	160	120	36	6	☺
DC170-16-06.100A1-	6,1		124	175	135	36	8	☺
DC170-16-06.350A1-	6,350	1/4"	124	175	135	36	8	☺
DC170-16-06.500A1-	6,5		124	175	135	36	8	☺
DC170-16-06.800A1-	6,8		124	175	135	36	8	☺
DC170-16-07.000A1-	7		124	175	135	36	8	☺
DC170-16-07.144A1-	7,144	9/32"	140	192	152	36	8	☺
DC170-16-07.400A1-	7,4		140	192	152	36	8	☺
DC170-16-07.500A1-	7,5		140	192	152	36	8	☺
DC170-16-07.938A1-	7,938	5/16"	140	192	152	36	8	☺
DC170-16-08.000A1-	8		140	192	152	36	8	☺
DC170-16-08.500A1-	8,5		148	206	162	40	10	☺
DC170-16-08.731A1-	8,731	11/32"	148	206	162	40	10	☺
DC170-16-09.000A1-	9		148	206	162	40	10	☺
DC170-16-09.525A1-	9,525	3/8"	165	224	180	40	10	☺
DC170-16-09.800A1-	9,8		165	224	180	40	10	☺
DC170-16-10.000A1-	10		165	224	180	40	10	☺
DC170-16-10.200A1-	10,2		181	247	198	45	12	☺
DC170-16-10.319A1-	10,319	13/32"	181	247	198	45	12	☺
DC170-16-11.000A1-	11		181	247	198	45	12	☺
DC170-16-11.113A1-	11,113	7/16"	198	265	216	45	12	☺
DC170-16-11.500A1-	11,5		198	265	216	45	12	☺
DC170-16-11.800A1-	11,8		198	265	216	45	12	☺

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

**WALTER  
SELECT**

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

Tool		$D_c$ h7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30EJ
<p>DIN 6535 HA</p>	DC170-16-11.906A1-	11,906	15/32"	198	265	216	45	12	☺
	DC170-16-12.000A1-	12		198	265	216	45	12	☺
	DC170-16-12.700A1-	12,700	1/2"	238	301	252	45	14	☺
	DC170-16-13.000A1-	13		238	301	252	45	14	☺
	DC170-16-14.000A1-	14		238	301	252	45	14	☺
	DC170-16-14.288A1-	14,288	9/16"	272	340	288	48	16	☺
	DC170-16-15.000A1-	15		272	340	288	48	16	☺
	DC170-16-16.000A1-	16		272	340	288	48	16	☺

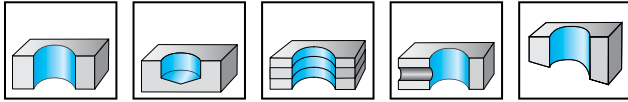
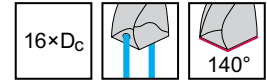
Ordering example for the grade WJ30EJ: DC170-16-03.000A1-WJ30EJ

B1

**WALTER SELECT**

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

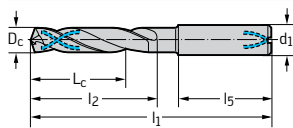
**Solid carbide drills with coolant-through**  
**DC160 Advance**  
**X-treme Evo**



	P	M	K	N	S	H	O
WJ30EU	●●	●	●●	●●	●●	●	●

B1

**Tool**



DIN 6535 HA

Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EU
DC160-16-03.000A1-	3		52	89	57	28	4	☹
DC160-16-03.175A1-	3,175	1/8"	60	98	66	28	4	☹
DC160-16-03.500A1-	3,5		72	110	78	28	4	☹
DC160-16-03.572A1-	3,572	9/64"	72	110	78	28	4	☹
DC160-16-03.969A1-	3,969	5/32"	72	110	78	28	4	☹
DC160-16-04.000A1-	4		72	110	78	28	4	☹
DC160-16-04.500A1-	4,5		93	132	100	28	5	☹
DC160-16-04.763A1-	4,763	3/16"	92	132	100	28	5	☹
DC160-16-04.800A1-	4,8		92	132	100	28	5	☹
DC160-16-05.000A1-	5		92	132	100	28	5	☹
DC160-16-05.500A1-	5,5		101	150	110	36	6	☹
DC160-16-05.556A1-	5,556	7/32"	111	160	120	36	6	☹
DC160-16-05.800A1-	5,8		111	160	120	36	6	☹
DC160-16-06.000A1-	6		111	160	120	36	6	☹
DC160-16-06.100A1-	6,1		124	175	135	36	8	☹
DC160-16-06.350A1-	6,350	1/4"	124	175	135	36	8	☹
DC160-16-06.500A1-	6,5		124	175	135	36	8	☹
DC160-16-06.800A1-	6,8		124	175	135	36	8	☹
DC160-16-07.000A1-	7		124	175	135	36	8	☹
DC160-16-07.144A1-	7,144	9/32"	140	192	152	36	8	☹
DC160-16-07.400A1-	7,4		140	192	152	36	8	☹
DC160-16-07.500A1-	7,5		140	192	152	36	8	☹
DC160-16-07.938A1-	7,938	5/16"	140	192	152	36	8	☹
DC160-16-08.000A1-	8		140	192	152	36	8	☹
DC160-16-08.300A1-	8,3		148	206	162	40	10	☹
DC160-16-08.500A1-	8,5		148	206	162	40	10	☹
DC160-16-08.731A1-	8,731	11/32"	148	206	162	40	10	☹
DC160-16-09.000A1-	9		148	206	162	40	10	☹
DC160-16-09.525A1-	9,525	3/8"	165	224	180	40	10	☹
DC160-16-09.800A1-	9,8		165	224	180	40	10	☹
DC160-16-10.000A1-	10		165	224	180	40	10	☹
DC160-16-10.200A1-	10,2		181	247	198	45	12	☹
DC160-16-10.319A1-	10,319	13/32"	181	247	198	45	12	☹
DC160-16-11.000A1-	11		181	247	198	45	12	☹
DC160-16-11.113A1-	11,113	7/16"	198	265	216	45	12	☹
DC160-16-11.500A1-	11,5		198	265	216	45	12	☹

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

**WALTER**  
**SELECT**

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

Tool		D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EU
<p>DIN 6535 HA</p>	DC160-16-11.800A1-	11,8		198	265	216	45	12	☺
	DC160-16-11.906A1-	11,906	15/32"	198	265	216	45	12	☺
	DC160-16-12.000A1-	12		198	265	216	45	12	☺
	DC160-16-12.700A1-	12,700	1/2"	238	301	252	45	14	☺
	DC160-16-13.000A1-	13		238	301	252	45	14	☺
	DC160-16-14.000A1-	14		238	301	252	45	14	☺
	DC160-16-14.288A1-	14,288	9/16"	272	340	288	48	16	☺
	DC160-16-15.000A1-	15		272	340	288	48	16	☺
	DC160-16-16.000A1-	16		272	340	288	48	16	☺

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

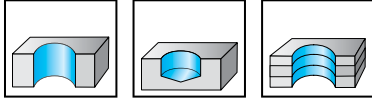
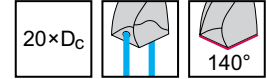
B1

**WALTER SELECT**

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

# Solid carbide micro drills with coolant-through

## DB133 Supreme



B1

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

Tool	Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ER
<p>DIN 6535 HA</p>	DB133-20-02.000A1-	2		44	90	47	38	3	☺
	DB133-20-02.100A1-	2,1		45	90	49	37	3	☺
	DB133-20-02.200A1-	2,2		48	90	52	34	3	☺
	DB133-20-02.300A1-	2,3		50	97	54	39	3	☺
	DB133-20-02.381A1-	2,381	3/32"	52	97	56	37	3	☺
	DB133-20-02.400A1-	2,4		52	97	56	37	3	☺
	DB133-20-02.500A1-	2,5		55	97	59	34	3	☺
	DB133-20-02.600A1-	2,6		57	107	61	42	3	☺
	DB133-20-02.700A1-	2,7		58	107	63	41	3	☺
	DB133-20-02.778A1-	2,778	7/64"	61	107	66	38	3	☺
	DB133-20-02.800A1-	2,8		61	107	66	38	3	☺
	DB133-20-02.900A1-	2,9		63	107	68	36	3	☺

Ordering example for the grade WJ30ER: DB133-20-02.000A1-WJ30ER

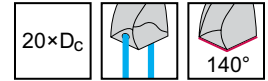
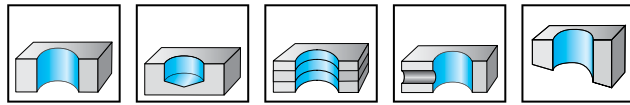
**WALTER SELECT**

●● Primary application   ● Other application

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

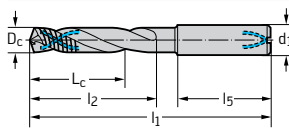


# Solid carbide drills with coolant-through DC170 Supreme



P	M	K	N	S	H	O
●●		●●			●	

### Tool



DIN 6535 HA

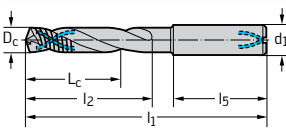
Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EJ
DC170-20-03.000A1-	3		60	97	65	28	4	☺
DC170-20-03.175A1-	3,175	1/8"	74	112	80	28	4	☺
DC170-20-03.500A1-	3,5		86	124	92	28	4	☺
DC170-20-03.572A1-	3,572	9/64"	86	124	92	28	4	☺
DC170-20-03.969A1-	3,969	5/32"	86	124	92	28	4	☺
DC170-20-04.000A1-	4		86	124	92	28	4	☺
DC170-20-04.500A1-	4,5		111	150	118	28	5	☺
DC170-20-04.763A1-	4,763	3/16"	110	150	118	28	5	☺
DC170-20-04.800A1-	4,8		110	150	118	28	5	☺
DC170-20-05.000A1-	5		110	150	118	28	5	☺
DC170-20-05.500A1-	5,5		123	170	132	36	6	☺
DC170-20-05.556A1-	5,556	7/32"	135	182	144	36	6	☺
DC170-20-05.800A1-	5,8		135	182	144	36	6	☺
DC170-20-06.000A1-	6		135	182	144	36	6	☺
DC170-20-06.100A1-	6,1		151	200	162	36	8	☺
DC170-20-06.350A1-	6,350	1/4"	151	200	162	36	8	☺
DC170-20-06.500A1-	6,5		151	200	162	36	8	☺
DC170-20-06.800A1-	6,8		151	200	162	36	8	☺
DC170-20-07.000A1-	7		151	200	162	36	8	☺
DC170-20-07.144A1-	7,144	9/32"	172	222	184	36	8	☺
DC170-20-07.400A1-	7,4		172	222	184	36	8	☺
DC170-20-07.500A1-	7,5		172	222	184	36	8	☺
DC170-20-07.938A1-	7,938	5/16"	172	222	184	36	8	☺
DC170-20-08.000A1-	8		172	222	184	36	8	☺
DC170-20-08.300A1-	8,3		184	240	198	40	10	☺
DC170-20-08.500A1-	8,5		184	240	198	40	10	☺
DC170-20-08.731A1-	8,731	11/32"	184	240	198	40	10	☺
DC170-20-09.000A1-	9		184	240	198	40	10	☺
DC170-20-09.525A1-	9,525	3/8"	205	262	220	40	10	☺
DC170-20-09.800A1-	9,8		205	262	220	40	10	☺
DC170-20-10.000A1-	10		205	262	220	40	10	☺
DC170-20-10.200A1-	10,2		225	289	242	45	12	☺
DC170-20-10.319A1-	10,319	13/32"	225	289	242	45	12	☺
DC170-20-11.000A1-	11		225	289	242	45	12	☺
DC170-20-11.113A1-	11,113	7/16"	246	311	264	45	12	☺
DC170-20-11.500A1-	11,5		246	311	264	45	12	☺

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

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

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

B 1

Tool		$D_c$ h7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30EJ
 <p>DIN 6535 HA</p>	Designation								
	DC170-20-11.800A1-	11,8		246	311	264	45	12	☺☺
	DC170-20-12.000A1-	12		246	311	264	45	12	☺☺
	DC170-20-12.700A1-	12,700	1/2"	294	357	308	45	14	☺☺
	DC170-20-13.000A1-	13		294	357	308	45	14	☺☺
	DC170-20-14.000A1-	14		294	357	308	45	14	☺☺
	DC170-20-14.288A1-	14,288	9/16"	336	404	352	48	16	☺☺
	DC170-20-15.000A1-	15		336	404	352	48	16	☺☺
DC170-20-16.000A1-	16		336	404	352	48	16	☺☺	

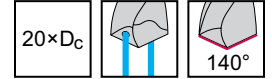
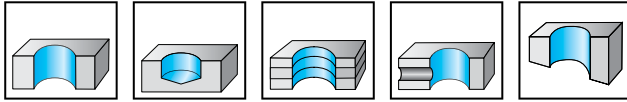
Ordering example for the grade WJ30EJ: DC170-20-03.000A1-WJ30EJ

B1

# Solid carbide drills with coolant-through

## DC160 Advance

### X-treme Evo



	P	M	K	N	S	H	O
WJ30EU	●●	●	●●●	●●●	●●●	●	●

B1

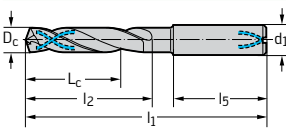
Tool	Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EU
<p>DIN 6535 HA</p>	DC160-20-03.000A1-	3		60	97	65	28	4	☺
	DC160-20-03.175A1-	3,175	1/8"	74	112	80	28	4	☺
	DC160-20-03.500A1-	3,5		86	124	92	28	4	☺
	DC160-20-03.572A1-	3,572	9/64"	86	124	92	28	4	☺
	DC160-20-03.969A1-	3,969	5/32"	86	124	92	28	4	☺
	DC160-20-04.000A1-	4		86	124	92	28	4	☺
	DC160-20-04.500A1-	4,5		111	150	118	28	5	☺
	DC160-20-04.763A1-	4,763	3/16"	110	150	118	28	5	☺
	DC160-20-04.800A1-	4,8		110	150	118	28	5	☺
	DC160-20-05.000A1-	5		110	150	118	28	5	☺
	DC160-20-05.500A1-	5,5		123	170	132	36	6	☺
	DC160-20-05.556A1-	5,556	7/32"	135	182	144	36	6	☺
	DC160-20-05.800A1-	5,8		135	182	144	36	6	☺
	DC160-20-06.000A1-	6		135	182	144	36	6	☺
	DC160-20-06.100A1-	6,1		151	200	162	36	8	☺
	DC160-20-06.350A1-	6,350	1/4"	151	200	162	36	8	☺
	DC160-20-06.500A1-	6,5		151	200	162	36	8	☺
	DC160-20-06.800A1-	6,8		151	200	162	36	8	☺
	DC160-20-07.000A1-	7		151	200	162	36	8	☺
	DC160-20-07.144A1-	7,144	9/32"	172	222	184	36	8	☺
	DC160-20-07.400A1-	7,4		172	222	184	36	8	☺
	DC160-20-07.500A1-	7,5		172	222	184	36	8	☺
	DC160-20-07.938A1-	7,938	5/16"	172	222	184	36	8	☺
	DC160-20-08.000A1-	8		172	222	184	36	8	☺
	DC160-20-08.300A1-	8,3		184	240	198	40	10	☺
	DC160-20-08.500A1-	8,5		184	240	198	40	10	☺
	DC160-20-08.731A1-	8,731	11/32"	184	240	198	40	10	☺
	DC160-20-09.000A1-	9		184	240	198	40	10	☺
	DC160-20-09.525A1-	9,525	3/8"	205	262	220	40	10	☺
	DC160-20-09.800A1-	9,8		205	262	220	40	10	☺
DC160-20-10.000A1-	10		205	262	220	40	10	☺	
DC160-20-10.200A1-	10,2		225	289	242	45	12	☺	
DC160-20-10.319A1-	10,319	13/32"	225	289	242	45	12	☺	
DC160-20-11.000A1-	11		225	289	242	45	12	☺	
DC160-20-11.113A1-	11,113	7/16"	246	311	264	45	12	☺	
DC160-20-11.500A1-	11,5		246	311	264	45	12	☺	

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

**WALTER SELECT**

●● Primary application ● Other application

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

Tool		D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EU
 <p>DIN 6535 HA</p>	Designation								
	DC160-20-11.800A1-	11,8		246	311	264	45	12	☹
	DC160-20-11.906A1-	11,906	15/32"	246	311	264	45	12	☹
	DC160-20-12.000A1-	12		246	311	264	45	12	☹
	DC160-20-12.700A1-	12,700	1/2"	294	357	308	45	14	☹
	DC160-20-13.000A1-	13		294	357	308	45	14	☹
	DC160-20-14.000A1-	14		294	357	308	45	14	☹
	DC160-20-14.288A1-	14,288	9/16"	336	404	352	48	16	☹
	DC160-20-15.000A1-	15		336	404	352	48	16	☹
	DC160-20-16.000A1-	16		336	404	352	48	16	☹

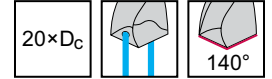
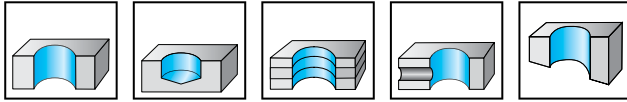
Ordering example for the grade WJ30EU: DC160-20-03.000A1-WJ30EU

B1

# Solid carbide drills with coolant-through

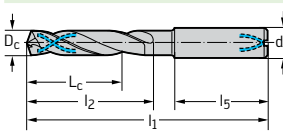
## A6794TFP

### X-treme DH20



	P	M	K	N	S	H	O
TFP	●●	●	●	●	●	●	●

#### Tool



DIN 6535 HA

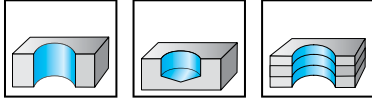
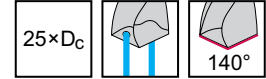
Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
A6794TFP-3	3		60	107	65	36	6
A6794TFP-1/8IN	3,175	1/8"	86	134	92	36	6
A6794TFP-3.5	3,5		86	134	92	36	6
A6794TFP-9/64IN	3,572	9/64"	86	134	92	36	6
A6794TFP-5/32IN	3,969	5/32"	86	134	92	36	6
A6794TFP-4	4		86	134	92	36	6
A6794TFP-4.5	4,5		110	158	118	36	6
A6794TFP-3/16IN	4,763	3/16"	110	158	118	36	6
A6794TFP-4.8	4,8		110	158	118	36	6
A6794TFP-5	5		110	158	118	36	6
A6794TFP-5.5	5,5		123	170	132	36	6
A6794TFP-7/32IN	5,556	7/32"	135	182	144	36	6
A6794TFP-6	6		135	182	144	36	6
A6794TFP-6.1	6,1		151	200	162	36	8
A6794TFP-1/4IN	6,350	1/4"	151	200	162	36	8
A6794TFP-6.5	6,5		151	200	162	36	8
A6794TFP-6.8	6,8		151	200	162	36	8
A6794TFP-7	7		151	200	162	36	8
A6794TFP-9/32IN	7,144	9/32"	172	222	184	36	8
A6794TFP-7.5	7,5		172	222	184	36	8
A6794TFP-5/16IN	7,938	5/16"	172	222	184	36	8
A6794TFP-8	8		172	222	184	36	8
A6794TFP-8.3	8,3		184	240	198	40	10
A6794TFP-8.5	8,5		184	240	198	40	10
A6794TFP-11/32IN	8,731	11/32"	184	240	198	40	10
A6794TFP-9	9		184	240	198	40	10
A6794TFP-3/8IN	9,525	3/8"	205	262	220	40	10
A6794TFP-9.8	9,8		205	262	220	40	10
A6794TFP-10	10		205	262	220	40	10

**WALTER  
SELECT**

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

# Solid carbide micro drills with coolant-through

## DB133 Supreme



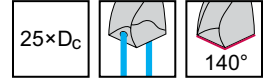
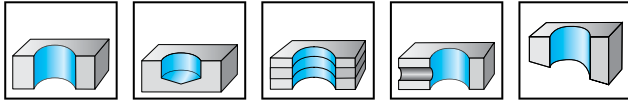
	P	M	K	N	S	H	O
WJ30ER	●●	●●	●●	●●	●	●	●

B1

Tool	Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ER
<p>DIN 6535 HA</p>	DB133-25-02.000A1-	2		54	101	57	39	3	☺
	DB133-25-02.100A1-	2,1		56	101	60	37	3	☺
	DB133-25-02.200A1-	2,2		59	101	63	34	3	☺
	DB133-25-02.300A1-	2,3		62	107	66	37	3	☺
	DB133-25-02.381A1-	2,381	3/32"	64	107	68	35	3	☺
	DB133-25-02.400A1-	2,4		64	107	68	35	3	☺
	DB133-25-02.500A1-	2,5		67	107	71	32	3	☺
	DB133-25-02.600A1-	2,6		70	122	74	44	3	☺
	DB133-25-02.700A1-	2,7		72	122	77	41	3	☺
	DB133-25-02.778A1-	2,778	7/64"	75	122	80	38	3	☺
	DB133-25-02.800A1-	2,8		75	122	80	38	3	☺
	DB133-25-02.900A1-	2,9		78	122	83	36	3	☺

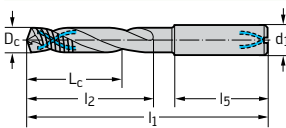
Ordering example for the grade WJ30ER: DB133-25-02.000A1-WJ30ER

# Solid carbide drills with coolant-through DC170 Supreme



WJ30EJ	P	M	K	N	S	H	O
	●●		●●			●	

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EJ
DC170-25-03.000A1-	3		79	119	84	28	4	☺
DC170-25-03.175A1-	3,175	1/8"	96	148	102	28	4	☺
DC170-25-03.500A1-	3,5		108	148	114	28	4	☺
DC170-25-03.572A1-	3,572	9/64"	108	148	114	28	4	☺
DC170-25-03.969A1-	3,969	5/32"	108	148	114	28	4	☺
DC170-25-04.000A1-	4		108	148	114	28	4	☺
DC170-25-04.500A1-	4,5		138	177	145	28	5	☺
DC170-25-04.763A1-	4,763	3/16"	137	177	145	28	5	☺
DC170-25-04.800A1-	4,8		137	177	145	28	5	☺
DC170-25-05.000A1-	5		137	177	145	28	5	☺
DC170-25-05.500A1-	5,5		151	200	160	36	6	☺
DC170-25-05.556A1-	5,556	7/32"	165	214	174	36	6	☺
DC170-25-06.000A1-	6		165	214	174	36	6	☺
DC170-25-06.350A1-	6,350	1/4"	183	234	194	36	8	☺
DC170-25-06.500A1-	6,5		183	234	194	36	8	☺
DC170-25-06.800A1-	6,8		183	234	194	36	8	☺
DC170-25-07.000A1-	7		183	234	194	36	8	☺
DC170-25-07.144A1-	7,144	9/32"	208	260	220	36	8	☺
DC170-25-07.938A1-	7,938	5/16"	208	260	220	36	8	☺
DC170-25-08.000A1-	8		208	260	220	36	8	☺
DC170-25-08.500A1-	8,5		229	289	243	40	10	☺
DC170-25-08.731A1-	8,731	11/32"	229	289	243	40	10	☺
DC170-25-09.000A1-	9		229	289	243	40	10	☺
DC170-25-09.525A1-	9,525	3/8"	255	314	270	40	10	☺
DC170-25-10.000A1-	10		255	314	270	40	10	☺
DC170-25-10.200A1-	10,2		280	346	297	45	12	☺
DC170-25-11.000A1-	11		280	346	297	45	12	☺
DC170-25-11.113A1-	11,113	7/16"	306	373	324	45	12	☺
DC170-25-12.000A1-	12		306	373	324	45	12	☺

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

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

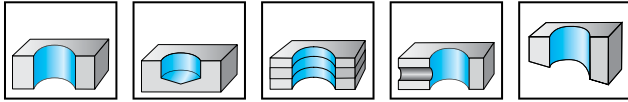
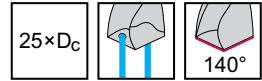
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

B1

# Solid carbide drills with coolant-through

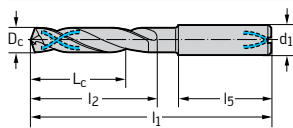
## DC160 Advance

### X-treme Evo



	P	M	K	N	S	H	O
WJ30EU	●●	●	●●	●●	●●	●	●

B1

**Tool**


DIN 6535 HA

Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EU
DC160-25-03.000A1-	3		79	119	84	28	4	☹
DC160-25-03.175A1-	3,175	1/8"	96	148	102	28	4	☹
DC160-25-03.500A1-	3,5		108	148	114	28	4	☹
DC160-25-03.572A1-	3,572	9/64"	108	148	114	28	4	☹
DC160-25-03.969A1-	3,969	5/32"	108	148	114	28	4	☹
DC160-25-04.000A1-	4		108	148	114	28	4	☹
DC160-25-04.500A1-	4,5		138	177	145	28	5	☹
DC160-25-04.763A1-	4,763	3/16"	137	177	145	28	5	☹
DC160-25-04.800A1-	4,8		137	177	145	28	5	☹
DC160-25-05.000A1-	5		137	177	145	28	5	☹
DC160-25-05.500A1-	5,5		151	200	160	36	6	☹
DC160-25-05.556A1-	5,556	7/32"	165	214	174	36	6	☹
DC160-25-05.800A1-	5,8		165	214	174	36	6	☹
DC160-25-06.000A1-	6		165	214	174	36	6	☹
DC160-25-06.100A1-	6,1		183	234	194	36	8	☹
DC160-25-06.350A1-	6,350	1/4"	183	234	194	36	8	☹
DC160-25-06.500A1-	6,5		183	234	194	36	8	☹
DC160-25-06.800A1-	6,8		183	234	194	36	8	☹
DC160-25-07.000A1-	7		183	234	194	36	8	☹
DC160-25-07.144A1-	7,144	9/32"	208	260	220	36	8	☹
DC160-25-07.400A1-	7,4		208	260	220	36	8	☹
DC160-25-07.500A1-	7,5		208	260	220	36	8	☹
DC160-25-07.938A1-	7,938	5/16"	208	260	220	36	8	☹
DC160-25-08.000A1-	8		208	260	220	36	8	☹
DC160-25-08.300A1-	8,3		229	289	243	40	10	☹
DC160-25-08.500A1-	8,5		229	289	243	40	10	☹
DC160-25-08.731A1-	8,731	11/32"	229	289	243	40	10	☹
DC160-25-09.000A1-	9		229	289	243	40	10	☹
DC160-25-09.525A1-	9,525	3/8"	255	314	270	40	10	☹
DC160-25-09.800A1-	9,8		255	314	270	40	10	☹
DC160-25-10.000A1-	10		255	314	270	40	10	☹
DC160-25-10.200A1-	10,2		280	346	297	45	12	☹
DC160-25-10.319A1-	10,319	13/32"	280	346	297	45	12	☹
DC160-25-11.000A1-	11		280	346	297	45	12	☹
DC160-25-11.113A1-	11,113	7/16"	306	373	324	45	12	☹
DC160-25-11.500A1-	11,5		306	373	324	45	12	☹

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

**WALTER  
SELECT**

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



Tool		D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EU
	DC160-25-11.800A1-	11,8		306	373	324	45	12	☺
	DC160-25-11.906A1-	11,906	15/32"	306	373	324	45	12	☺
	DC160-25-12.000A1-	12		306	373	324	45	12	☺

DIN 6535 HA

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

B1

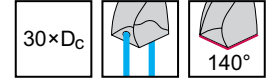
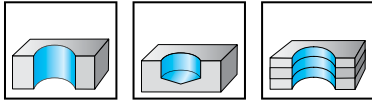
**WALTER  
SELECT**

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

# Solid carbide micro drills with coolant-through

## DB133 Supreme

B1

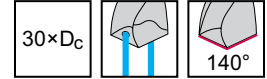
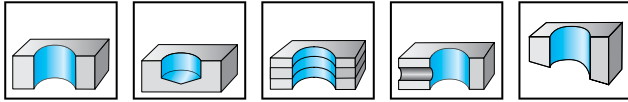


	P	M	K	N	S	H	O
WJ30ER	●●	●●	●●	●●	●	●	●

Tool	Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ER
<p>DIN 6535 HA</p>	DB133-30-02.000A1-	2		64	112	67	40	3	☺
	DB133-30-02.100A1-	2,1		66	112	70	38	3	☺
	DB133-30-02.200A1-	2,2		70	112	74	34	3	☺
	DB133-30-02.300A1-	2,3		73	122	77	41	3	☺
	DB133-30-02.381A1-	2,381	3/32"	76	122	80	38	3	☺
	DB133-30-02.400A1-	2,4		76	122	80	38	3	☺
	DB133-30-02.500A1-	2,5		80	122	84	34	3	☺
	DB133-30-02.600A1-	2,6		83	136	87	45	3	☺
	DB133-30-02.700A1-	2,7		85	136	90	42	3	☺
	DB133-30-02.778A1-	2,778	7/64"	89	136	94	38	3	☺
	DB133-30-02.800A1-	2,8		89	136	94	38	3	☺
	DB133-30-02.900A1-	2,9		92	136	97	36	3	☺

Ordering example for the grade WJ30ER: DB133-30-02.000A1-WJ30ER

# Solid carbide drills with coolant-through DC170 Supreme



P	M	K	N	S	H	O
●●		●●			●	

B1

Tool	Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EJ
<p>DIN 6535 HA</p>	DC170-30-03.000A1-	3		92	132	97	28	4	☺
	DC170-30-03.175A1-	3,175	1/8"	114	166	120	28	4	☺
	DC170-30-03.500A1-	3,5		127	166	133	28	4	☺
	DC170-30-04.000A1-	4		127	166	133	28	4	☺
	DC170-30-04.500A1-	4,5		162	200	169	28	5	☺
	DC170-30-04.763A1-	4,763	3/16"	161	200	169	28	5	☺
	DC170-30-04.800A1-	4,8		161	200	169	28	5	☺
	DC170-30-05.000A1-	5		161	200	169	28	5	☺
	DC170-30-05.500A1-	5,5		178	225	187	36	6	☺
	DC170-30-06.000A1-	6		195	242	204	36	6	☺
	DC170-30-06.350A1-	6,350	1/4"	217	268	228	36	8	☺
	DC170-30-06.500A1-	6,5		217	268	228	36	8	☺
	DC170-30-06.800A1-	6,8		217	268	228	36	8	☺
	DC170-30-07.000A1-	7		217	268	228	36	8	☺
	DC170-30-07.400A1-	7,4		244	294	256	36	8	☺
	DC170-30-07.938A1-	7,938	5/16"	244	294	256	36	8	☺
	DC170-30-08.000A1-	8		244	294	256	36	8	☺
	DC170-30-08.500A1-	8,5		273	330	287	40	10	☺
	DC170-30-08.731A1-	8,731	11/32"	273	330	287	40	10	☺
	DC170-30-09.000A1-	9		273	330	287	40	10	☺
DC170-30-09.525A1-	9,525	3/8"	305	364	320	40	10	☺	
DC170-30-10.000A1-	10		305	364	320	40	10	☺	
DC170-30-10.200A1-	10,2		335	401	352	45	12	☺	
DC170-30-11.000A1-	11		335	401	352	45	12	☺	
DC170-30-11.113A1-	11,113	7/16"	364	430	382	45	12	☺	
DC170-30-12.000A1-	12		364	430	382	45	12	☺	

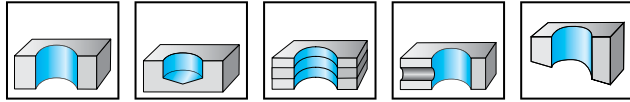
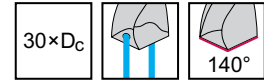
Ordering example for the grade WJ30EJ: DC170-30-03.000A1-WJ30EJ

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

# Solid carbide drills with coolant-through

## DC160 Advance

### X-treme Evo



	P	M	K	N	S	H	O
WJ30EU	●●	●	●●	●●	●●	●	●

B1

Tool	Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EU
<p>DIN 6535 HA</p>	DC160-30-03.000A1-	3		92	132	97	28	4	☺
	DC160-30-03.175A1-	3,175	1/8"	114	166	120	28	4	☺
	DC160-30-03.500A1-	3,5		127	166	133	28	4	☺
	DC160-30-03.572A1-	3,572	9/64"	127	166	133	28	4	☺
	DC160-30-03.969A1-	3,969	5/32"	127	166	133	28	4	☺
	DC160-30-04.000A1-	4		127	166	133	28	4	☺
	DC160-30-04.500A1-	4,5		162	200	169	28	5	☺
	DC160-30-04.763A1-	4,763	3/16"	161	200	169	28	5	☺
	DC160-30-04.800A1-	4,8		161	200	169	28	5	☺
	DC160-30-05.000A1-	5		161	200	169	28	5	☺
	DC160-30-05.500A1-	5,5		178	225	187	36	6	☺
	DC160-30-05.556A1-	5,556	7/32"	195	242	204	36	6	☺
	DC160-30-05.800A1-	5,8		195	242	204	36	6	☺
	DC160-30-06.000A1-	6		195	242	204	36	6	☺
	DC160-30-06.100A1-	6,1		217	268	228	36	8	☺
	DC160-30-06.350A1-	6,350	1/4"	217	268	228	36	8	☺
	DC160-30-06.500A1-	6,5		217	268	228	36	8	☺
	DC160-30-06.800A1-	6,8		217	268	228	36	8	☺
	DC160-30-07.000A1-	7		217	268	228	36	8	☺
	DC160-30-07.144A1-	7,144	9/32"	244	294	256	36	8	☺
	DC160-30-07.400A1-	7,4		244	294	256	36	8	☺
	DC160-30-07.500A1-	7,5		244	294	256	36	8	☺
	DC160-30-07.938A1-	7,938	5/16"	244	294	256	36	8	☺
	DC160-30-08.000A1-	8		244	294	256	36	8	☺
	DC160-30-08.300A1-	8,3		273	330	287	40	10	☺
	DC160-30-08.500A1-	8,5		273	330	287	40	10	☺
	DC160-30-08.731A1-	8,731	11/32"	273	330	287	40	10	☺
	DC160-30-09.000A1-	9		273	330	287	40	10	☺
DC160-30-09.525A1-	9,525	3/8"	305	364	320	40	10	☺	
DC160-30-09.800A1-	9,8		305	364	320	40	10	☺	
DC160-30-10.000A1-	10		305	364	320	40	10	☺	
DC160-30-10.200A1-	10,2		335	401	352	45	12	☺	
DC160-30-10.319A1-	10,319	13/32"	335	401	352	45	12	☺	
DC160-30-11.000A1-	11		335	401	352	45	12	☺	
DC160-30-11.113A1-	11,113	7/16"	364	430	382	45	12	☺	
DC160-30-11.500A1-	11,5		364	430	382	45	12	☺	

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

**WALTER  
SELECT**

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

Tool		D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EU
	Designation								
	DC160-30-11.800A1-	11,8		364	430	382	45	12	☺
	DC160-30-11.906A1-	11,906	15/32"	364	430	382	45	12	☺
	DC160-30-12.000A1-	12		364	430	382	45	12	☺

DIN 6535 HA

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

B1

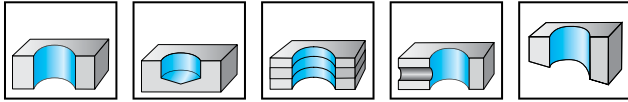
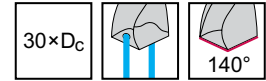
**WALTER SELECT**

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

# Solid carbide drills with coolant-through

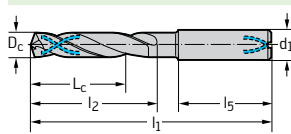
## A6994TFP

### X-treme DH30



	P	M	K	N	S	H	O
TFP	●●	●	●	●	●	●	●

B1

**Tool**


DIN 6535 HA

Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
A6994TFP-3	3		92	140	97	36	6
A6994TFP-1/8IN	3,175	1/8"	127	174	133	36	6
A6994TFP-3.5	3,5		127	174	133	36	6
A6994TFP-9/64IN	3,572	9/64"	127	174	133	36	6
A6994TFP-5/32IN	3,969	5/32"	127	174	133	36	6
A6994TFP-4	4		127	174	133	36	6
A6994TFP-4.5	4,5		161	208	169	36	6
A6994TFP-3/16IN	4,763	3/16"	161	208	169	36	6
A6994TFP-4.8	4,8		161	208	169	36	6
A6994TFP-5	5		161	208	169	36	6
A6994TFP-5.5	5,5		178	225	187	36	6
A6994TFP-7/32IN	5,556	7/32"	195	242	204	36	6
A6994TFP-6	6		195	242	204	36	6
A6994TFP-1/4IN	6,350	1/4"	217	268	228	36	8
A6994TFP-6.5	6,5		217	268	228	36	8
A6994TFP-6.8	6,8		217	268	228	36	8
A6994TFP-7	7		217	268	228	36	8
A6994TFP-8	8		244	294	256	36	8
A6994TFP-8.3	8,3		273	330	287	40	10
A6994TFP-8.5	8,5		273	330	287	40	10
A6994TFP-11/32IN	8,731	11/32"	273	330	287	40	10
A6994TFP-9	9		273	330	287	40	10
A6994TFP-10	10		305	364	320	40	10

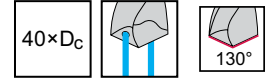
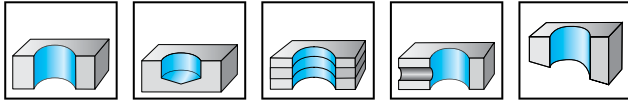
**WALTER  
SELECT**

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

# Solid carbide drills with coolant-through

## A7495TTP

### X-treme D40



TTP	P	M	K	N	S	H	O
	●●	●	●●	●●			

B1

Tool	Designation	D <sub>c</sub> e7 mm	D <sub>c</sub> inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
<p>DIN 6535 HA</p>	A7495TTP-3	3		134	172	139	28	4
	A7495TTP-1/8IN	3,175	1/8"	134	172	139	28	4
	A7495TTP-3.5	3,5		150	188	156	28	4
	A7495TTP-9/64IN	3,572	9/64"	150	188	156	28	4
	A7495TTP-5/32IN	3,969	5/32"	168	206	174	28	4
	A7495TTP-4	4		168	206	174	28	4
	A7495TTP-4.5	4,5		188	228	195	28	5
	A7495TTP-3/16IN	4,763	3/16"	209	249	217	28	5
	A7495TTP-4.8	4,8		209	249	217	28	5
	A7495TTP-5	5		209	249	217	28	5
	A7495TTP-5.5	5,5		230	279	239	36	6
	A7495TTP-7/32IN	5,556	7/32"	248	297	257	36	6
	A7495TTP-5.8	5,8		248	297	257	36	6
	A7495TTP-6	6		248	297	257	36	6
	A7495TTP-6.1	6,1		272	324	282	36	8
	A7495TTP-1/4IN	6,350	1/4"	272	324	282	36	8
	A7495TTP-6.5	6,5		272	324	282	36	8
	A7495TTP-6.8	6,8		287	339	298	36	8
	A7495TTP-7	7		287	339	298	36	8
	A7495TTP-9/32IN	7,144	9/32"	313	366	325	36	8
	A7495TTP-7.5	7,5		313	366	325	36	8
A7495TTP-5/16IN	7,938	5/16"	330	382	342	36	8	
A7495TTP-8	8		330	382	342	36	8	
A7495TTP-8.5	8,5		356	415	369	40	10	
A7495TTP-11/32IN	8,731	11/32"	371	430	385	40	10	
A7495TTP-9	9		371	430	385	40	10	
A7495TTP-3/8IN	9,525	3/8"	418	477	412	40	10	
A7495TTP-9.8	9,8		418	477	433	40	10	
A7495TTP-10	10		418	477	433	40	10	
A7495TTP-10.2	10,2		460	528	477	45	12	
A7495TTP-11	11		460	528	477	45	12	

WALTER  
SELECT

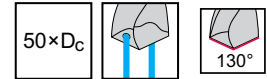
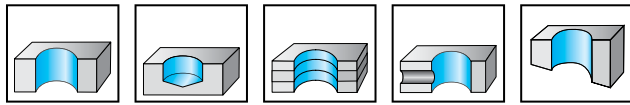
●● Primary application ● Other application  
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

# Solid carbide drills with coolant-through

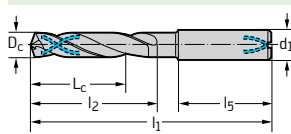
## A7595TTP

### X-treme D50

B1



	P	M	K	N	S	H	O
TTP	●●	●	●●	●●			

**Tool**


DIN 6535 HA

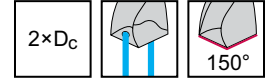
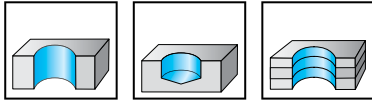
Designation	D <sub>c</sub> e7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
A7595TTP-3	3		166	204	171	28	4
A7595TTP-1/8IN	3,175	1/8"	166	204	171	28	4
A7595TTP-3.5	3,5		186	224	192	28	4
A7595TTP-9/64IN	3,572	9/64"	186	224	192	28	4
A7595TTP-5/32IN	3,969	5/32"	203	239	209	28	4
A7595TTP-4	4		203	239	209	28	4
A7595TTP-4.5	4,5		233	273	240	28	5
A7595TTP-3/16IN	4,763	3/16"	259	299	267	28	5
A7595TTP-4.8	4,8		259	299	267	28	5
A7595TTP-5	5		259	299	267	28	5
A7595TTP-5.5	5,5		285	334	294	36	6
A7595TTP-7/32IN	5,556	7/32"	308	357	317	36	6
A7595TTP-6	6		308	357	317	36	6
A7595TTP-6.1	6,1		337	389	347	36	8
A7595TTP-1/4IN	6,350	1/4"	337	389	347	36	8
A7595TTP-6.5	6,5		337	389	347	36	8
A7595TTP-6.8	6,8		357	409	368	36	8
A7595TTP-7	7		357	409	368	36	8
A7595TTP-5/16IN	7,938	5/16"	410	462	422	36	8
A7595TTP-8	8		410	462	422	36	8
A7595TTP-8.3	8,3		441	500	454	40	10
A7595TTP-8.5	8,5		441	500	454	40	10
A7595TTP-11/32IN	8,731	11/32"	466	525	480	40	10
A7595TTP-9	9		466	525	480	40	10

**WALTER  
SELECT**

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



# Solid carbide micro pilot drills with coolant-through DB131 Supreme



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

B1

Tool		D <sub>c</sub> p7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EL
<p>DIN 6535 HA</p>	Designation								
	DB131-02-02.000A1-	2		7	57	10	42	3	☺
	DB131-02-02.050A1-	2,05		7	57	11	42	3	☺
	DB131-02-02.100A1-	2,1		7	57	11	42	3	☺
	DB131-02-02.150A1-	2,15		7	57	11	42	3	☺
	DB131-02-02.200A1-	2,2		7	57	11	42	3	☺
	DB131-02-02.250A1-	2,25		8	59	12	43	3	☺
	DB131-02-02.300A1-	2,3		8	59	12	43	3	☺
	DB131-02-02.350A1-	2,35		8	59	12	43	3	☺
	DB131-02-02.381A1-	2,381	3/32"	8	59	12	43	3	☺
	DB131-02-02.400A1-	2,4		8	59	12	43	3	☺
	DB131-02-02.450A1-	2,45		9	59	13	42	3	☺
	DB131-02-02.500A1-	2,5		9	59	13	42	3	☺
	DB131-02-02.550A1-	2,55		9	62	13	45	3	☺
	DB131-02-02.600A1-	2,6		9	62	13	45	3	☺
	DB131-02-02.650A1-	2,65		9	62	14	45	3	☺
	DB131-02-02.700A1-	2,7		9	62	14	45	3	☺
	DB131-02-02.750A1-	2,75		9	62	14	45	3	☺
	DB131-02-02.778A1-	2,778	7/64"	9	62	14	45	3	☺
	DB131-02-02.800A1-	2,8		9	62	14	45	3	☺
DB131-02-02.850A1-	2,85		10	62	15	44	3	☺	
DB131-02-02.900A1-	2,9		10	62	15	44	3	☺	
DB131-02-02.950A1-	2,95		10	62	15	44	3	☺	

Ordering example for the grade WJ30EL: DB131-02-02.000A1-WJ30EL

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

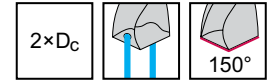
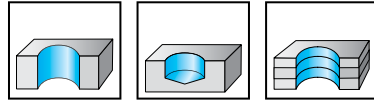
# Solid carbide pilot drills with coolant-through

## A6181TFT

### XD Pilot



– Special diameter tolerance for XD technology



	P	M	K	N	S	H	O
TFT	●	●	●	●	●	●	●

B1

Tool	Designation	D <sub>c</sub> p7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
<p>DIN 6535 HA</p>	A6181TFT-3	3		14	66	20	36	6
	A6181TFT-1/8IN	3,175	1/8"	14	66	20	36	6
	A6181TFT-3.5	3,5		14	66	20	36	6
	A6181TFT-9/64IN	3,572	9/64"	14	66	20	36	6
	A6181TFT-5/32IN	3,969	5/32"	16	74	24	36	6
	A6181TFT-4	4		16	74	24	36	6
	A6181TFT-4.5	4,5		16	74	24	36	6
	A6181TFT-3/16IN	4,763	3/16"	19	82	28	36	6
	A6181TFT-4.8	4,8		19	82	28	36	6
	A6181TFT-5	5		19	82	28	36	6
	A6181TFT-5.5	5,5		19	82	28	36	6
	A6181TFT-7/32IN	5,556	7/32"	19	82	28	36	6
	A6181TFT-5.8	5,8		19	82	28	36	6
	A6181TFT-6	6		19	82	28	36	6
	A6181TFT-6.1	6,1		23	91	34	36	8
	A6181TFT-1/4IN	6,350	1/4"	23	91	34	36	8
	A6181TFT-6.5	6,5		23	91	34	36	8
	A6181TFT-6.8	6,8		23	91	34	36	8
	A6181TFT-7	7		23	91	34	36	8
	A6181TFT-9/32IN	7,144	9/32"	29	91	41	36	8
	A6181TFT-7.4	7,4		29	91	41	36	8
	A6181TFT-7.5	7,5		29	91	41	36	8
	A6181TFT-5/16IN	7,938	5/16"	29	91	41	36	8
	A6181TFT-8	8		29	91	41	36	8
	A6181TFT-8.3	8,3		32	103	47	40	10
	A6181TFT-8.5	8,5		32	103	47	40	10
	A6181TFT-11/32IN	8,731	11/32"	32	103	47	40	10
	A6181TFT-9	9		32	103	47	40	10
	A6181TFT-3/8IN	9,525	3/8"	32	103	47	40	10
	A6181TFT-9.8	9,8		32	103	47	40	10
	A6181TFT-10	10		32	103	47	40	10
	A6181TFT-10.2	10,2		37	118	55	45	12
	A6181TFT-13/32IN	10,319	13/32"	37	118	55	45	12
A6181TFT-11	11		37	118	55	45	12	
A6181TFT-7/16IN	11,113	7/16"	37	118	55	45	12	
A6181TFT-11.5	11,5		37	118	55	45	12	

WALTER  
SELECT

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

Tool		$D_c$ p7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm
<p>DIN 6535 HA</p>	A6181TFT-11.8	11,8		37	118	55	45	12
	A6181TFT-15/32IN	11,906	15/32"	37	118	55	45	12
	A6181TFT-12	12		37	118	55	45	12
	A6181TFT-1/2IN	12,700	1/2"	46	124	60	45	14
	A6181TFT-13	13		46	124	60	45	14
	A6181TFT-14	14		46	124	60	45	14
	A6181TFT-9/16IN	14,288	9/16"	49	133	65	48	16
	A6181TFT-15	15		49	133	65	48	16
	A6181TFT-16	16		49	133	65	48	16

B1

**WALTER  
SELECT**

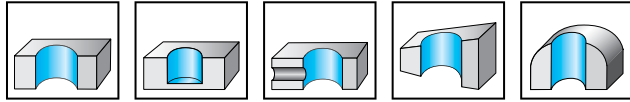
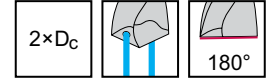
● Primary application    ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

# Solid carbide pilot drill

## DC118 Supreme



– Special diameter tolerance for XD technology



	P	M	K	N	S	H	0
WJ30ET	●●	●●	●●	●●	●●	●	●

B1

Tool	Designation	D <sub>c</sub> p7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	WJ30ET
<p>DIN 6535 HA</p>	DC118-02-03.000A1-	3		7,8	62	12	42	6	☹
	DC118-02-03.175A1-	3,175	1/8"	7,7	62	12	42	6	☹
	DC118-02-03.300A1-	3,3		7,6	62	12	42	6	☹
	DC118-02-03.500A1-	3,5		8,4	62	13	42	6	☹
	DC118-02-03.572A1-	3,572	9/64"	8,3	62	13	42	6	☹
	DC118-02-03.969A1-	3,969	5/32"	8,9	66	14	42	6	☹
	DC118-02-04.000A1-	4		8,9	66	14	42	6	☹
	DC118-02-04.200A1-	4,2		10,7	66	16	42	6	☹
	DC118-02-04.500A1-	4,5		10,4	66	16	42	6	☹
	DC118-02-04.763A1-	4,763	3/16"	12,2	66	18	42	6	☹
	DC118-02-04.800A1-	4,8		12,1	66	18	42	6	☹
	DC118-02-05.000A1-	5		11,9	66	18	42	6	☹
	DC118-02-05.500A1-	5,5		13,5	66	20	42	6	☹
	DC118-02-05.556A1-	5,556	7/32"	14,4	66	21	42	6	☹
	DC118-02-05.800A1-	5,8		14,2	66	21	42	6	☹
	DC118-02-06.000A1-	6		14	66	21	42	6	☹
	DC118-02-06.100A1-	6,1		15,9	79	23	47	8	☹
	DC118-02-06.350A1-	6,350	1/4"	15,6	79	23	47	8	☹
	DC118-02-06.500A1-	6,5		15,5	79	23	47	8	☹
	DC118-02-06.800A1-	6,8		17,2	79	25	47	8	☹
	DC118-02-07.000A1-	7		17	79	25	47	8	☹
	DC118-02-07.144A1-	7,144	9/32"	19,9	79	28	47	8	☹
	DC118-02-07.400A1-	7,4		19,6	79	28	47	8	☹
	DC118-02-07.500A1-	7,5		19,5	79	28	47	8	☹
	DC118-02-07.938A1-	7,938	5/16"	19,1	79	28	47	8	☹
	DC118-02-08.000A1-	8		19	79	28	47	8	☹
	DC118-02-08.300A1-	8,3		22,8	89	32	50	10	☹
	DC118-02-08.500A1-	8,5		22,6	89	32	50	10	☹
	DC118-02-08.731A1-	8,731	11/32"	22,3	89	32	50	10	☹
	DC118-02-09.000A1-	9		22,1	89	32	50	10	☹
	DC118-02-09.525A1-	9,525	3/8"	24,6	89	35	50	10	☹
	DC118-02-09.800A1-	9,8		24,3	89	35	50	10	☹
	DC118-02-10.000A1-	10		24,1	89	35	50	10	☹
DC118-02-10.200A1-	10,2		29	102	40	52	12	☹	
DC118-02-10.319A1-	10,319	13/32"	28,8	102	40	52	12	☹	
DC118-02-10.500A1-	10,5		28,7	102	40	52	12	☹	

Ordering example for the grade WJ30ET: DC118-02-03.000A1-WJ30ET

**WALTER  
SELECT**

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

Tool		D <sub>c</sub> p7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	WJ30ET
<p>DIN 6535 HA</p>	DC118-02-11.000A1-	11		28,2	102	40	52	12	☺
	DC118-02-11.113A1-	11,113	7/16"	31,1	102	43	52	12	☺
	DC118-02-11.500A1-	11,5		30,8	102	43	52	12	☺
	DC118-02-11.800A1-	11,8		30,5	102	43	52	12	☺
	DC118-02-11.906A1-	11,906	15/32"	30,4	102	43	52	12	☺
	DC118-02-12.000A1-	12		30,3	102	43	52	12	☺
	DC118-02-12.500A1-	12,5		35,9	107	49	52	14	☺
	DC118-02-12.700A1-	12,700	1/2"	35,7	107	49	52	14	☺
	DC118-02-13.000A1-	13		35,5	107	49	52	14	☺
	DC118-02-13.500A1-	13,5		35,1	107	49	52	14	☺
	DC118-02-14.000A1-	14		34,7	107	49	52	14	☺
	DC118-02-14.288A1-	14,288	9/16"	41,4	115	56	53	16	☺
	DC118-02-14.500A1-	14,5		41,3	115	56	53	16	☺
	DC118-02-15.000A1-	15		40,9	115	56	53	16	☺
	DC118-02-16.000A1-	16		40,2	115	56	53	16	☺
	DC118-02-17.000A1-	17		46,5	123	63	53	18	☺
	DC118-02-17.500A1-	17,5		46,2	123	63	53	18	☺
	DC118-02-18.000A1-	18		45,9	123	63	53	18	☺
	DC118-02-19.000A1-	19		52,3	131	70	55	20	☺
	DC118-02-20.000A1-	20		51,9	131	70	55	20	☺

Ordering example for the grade WJ30ET: DC118-02-03.000A1-WJ30ET

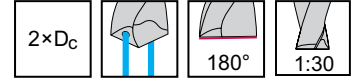
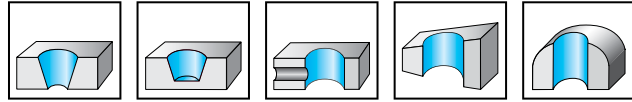
B1

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

**Solid carbide pilot drills with coolant-through**  
**K5191TFT**  
**X-treme Pilot 180 C**



- For angled and round surfaces (e.g. crankshafts)
- Conical contour 1:30 – for step-free piloting



B1

	P	M	K	N	S	H	O
TFT	●●	●●	●●	●●	●●	●	●

Tool		D <sub>c</sub> mm	d <sub>3</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	l <sub>15</sub> mm	d <sub>1</sub> h6 mm
	Designation								
	K5191TFT-4	4	3,9	10	59	16	36	3	6
	K5191TFT-5	5	4,9	11	63	19	36	3	6
	K5191TFT-6	6	5,85	13	68	22	36	4,5	8
	K5191TFT-7	7	6,85	15	73	26	36	4,5	8

DIN 6535 HA

**WALTER**  
**SELECT**

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

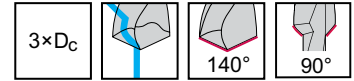
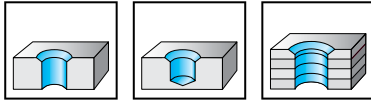
# Solid carbide twist drills

## DC260 Advance

### X-treme Evo



- Step length in accordance with DIN 8378  
 - For threaded core hole drilling



	P	M	K	N	S	H	O
WJ30ET	●●		●●	●●	●●	●●	●●

B1

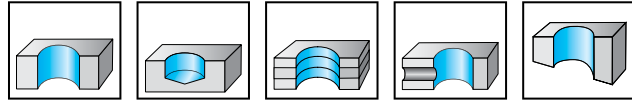
Tool		Designation	For threads	D <sub>c</sub> mm	d <sub>10</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
DIN 6535 HA		DC260-03-03.300A0-	M 4	3,3	5	11	66	28	36	6	●●
		DC260-03-04.200A0-	M 5	4,2	6	14	66	28	36	6	●●
		DC260-03-05.000A0-	M 6	5	8	17	79	41	36	8	●●
		DC260-03-06.800A0-	M 8	6,8	10	21	89	47	40	10	●●
		DC260-03-08.500A0-	M 10	8,5	12	26	102	55	45	12	●●
		DC260-03-10.200A0-	M 12	10,2	14	30	107	60	45	14	●●
		DC260-03-12.000A0-	M 14	12	16	35	115	65	48	16	●●
		DC260-03-14.000A0-	M 16	14	18	39	123	73	48	18	●●
DIN 6535 HE		DC260-03-03.300F0-	M 4	3,3	5	11	66	28	36	6	●●
		DC260-03-04.200F0-	M 5	4,2	6	14	66	28	36	6	●●
		DC260-03-05.000F0-	M 6	5	8	17	79	41	36	8	●●
		DC260-03-06.800F0-	M 8	6,8	10	21	89	47	40	10	●●
		DC260-03-07.000F0-	M 8 X 1	7	10	21	89	47	40	10	●●
		DC260-03-08.500F0-	M 10	8,5	12	26	102	55	45	12	●●
		DC260-03-09.000F0-	M 10 X 1	9	12	26	102	55	45	12	●●
		DC260-03-10.200F0-	M 12	10,2	14	30	107	60	45	14	●●
		DC260-03-10.500F0-	M 12 X 1,5	10,5	14	30	107	60	45	14	●●
		DC260-03-12.000F0-	M 14	12	16	35	115	65	48	16	●●
		DC260-03-12.500F0-	M 14 X 1,5	12,5	16	35	115	65	48	16	●●
		DC260-03-14.000F0-	M 16	14	18	39	123	73	48	18	●●
DC260-03-14.500F0-	M 16 X 1,5	14,5	18	39	123	73	48	18	●●		

Ordering example for the grade WJ30ET: DC260-03-03.300A0-WJ30ET

**WALTER SELECT**

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

**Solid carbide twist drills**  
**DC160 Advance**  
**X-treme Evo**



WJ30ET

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HA</p>	DC160-03-03.000A0-	3		14	62	20	36	6	☺
	DC160-03-03.100A0-	3,1		14	62	20	36	6	☺
	DC160-03-03.175A0-	3,175	1/8"	14	62	20	36	6	☺
	DC160-03-03.200A0-	3,2		14	62	20	36	6	☺
	DC160-03-03.250A0-	3,25		14	62	20	36	6	☺
	DC160-03-03.300A0-	3,3		14	62	20	36	6	☺
	DC160-03-03.400A0-	3,4		14	62	20	36	6	☺
	DC160-03-03.500A0-	3,5		14	62	20	36	6	☺
	DC160-03-03.572A0-	3,572	9/64"	14	62	20	36	6	☺
	DC160-03-03.600A0-	3,6		14	62	20	36	6	☺
	DC160-03-03.650A0-	3,65		14	62	20	36	6	☺
	DC160-03-03.700A0-	3,7		14	62	20	36	6	☺
	DC160-03-03.800A0-	3,8		17	66	24	36	6	☺
	DC160-03-03.900A0-	3,9		17	66	24	36	6	☺
	DC160-03-03.969A0-	3,969	5/32"	17	66	24	36	6	☺
	DC160-03-04.000A0-	4		17	66	24	36	6	☺
	DC160-03-04.100A0-	4,1		17	66	24	36	6	☺
	DC160-03-04.200A0-	4,2		17	66	24	36	6	☺
	DC160-03-04.300A0-	4,3		17	66	24	36	6	☺
	DC160-03-04.366A0-	4,366	11/64"	17	66	24	36	6	☺
	DC160-03-04.400A0-	4,4		17	66	24	36	6	☺
	DC160-03-04.500A0-	4,5		17	66	24	36	6	☺
	DC160-03-04.600A0-	4,6		17	66	24	36	6	☺
	DC160-03-04.650A0-	4,65		17	66	24	36	6	☺
	DC160-03-04.700A0-	4,7		17	66	24	36	6	☺
	DC160-03-04.763A0-	4,763	3/16"	20	66	28	36	6	☺
	DC160-03-04.800A0-	4,8		20	66	28	36	6	☺
	DC160-03-04.900A0-	4,9		20	66	28	36	6	☺
	DC160-03-05.000A0-	5		20	66	28	36	6	☺
	DC160-03-05.100A0-	5,1		20	66	28	36	6	☺
	DC160-03-05.159A0-	5,159	13/64"	20	66	28	36	6	☺
	DC160-03-05.200A0-	5,2		20	66	28	36	6	☺
	DC160-03-05.300A0-	5,3		20	66	28	36	6	☺
DC160-03-05.400A0-	5,4		20	66	28	36	6	☺	
DC160-03-05.500A0-	5,5		20	66	28	36	6	☺	
DC160-03-05.550A0-	5,55		20	66	28	36	6	☺	

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

**WALTER SELECT**

●● Primary application ● Other application

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



Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HA</p>	DC160-03-05.556A0-	5,556	7/32"	20	66	28	36	6	☺
	DC160-03-05.600A0-	5,6		20	66	28	36	6	☺
	DC160-03-05.700A0-	5,7		20	66	28	36	6	☺
	DC160-03-05.800A0-	5,8		20	66	28	36	6	☺
	DC160-03-05.900A0-	5,9		20	66	28	36	6	☺
	DC160-03-05.953A0-	5,953	15/64"	20	66	28	36	6	☺
	DC160-03-06.000A0-	6		20	66	28	36	6	☺
	DC160-03-06.100A0-	6,1		24	79	34	36	8	☺
	DC160-03-06.200A0-	6,2		24	79	34	36	8	☺
	DC160-03-06.300A0-	6,3		24	79	34	36	8	☺
	DC160-03-06.350A0-	6,350	1/4"	24	79	34	36	8	☺
	DC160-03-06.400A0-	6,4		24	79	34	36	8	☺
	DC160-03-06.500A0-	6,5		24	79	34	36	8	☺
	DC160-03-06.600A0-	6,6		24	79	34	36	8	☺
	DC160-03-06.700A0-	6,7		24	79	34	36	8	☺
	DC160-03-06.747A0-	6,747	17/64"	24	79	34	36	8	☺
	DC160-03-06.800A0-	6,8		24	79	34	36	8	☺
	DC160-03-06.900A0-	6,9		24	79	34	36	8	☺
	DC160-03-07.000A0-	7		24	79	34	36	8	☺
	DC160-03-07.100A0-	7,1		29	79	41	36	8	☺
	DC160-03-07.144A0-	7,144	9/32"	29	79	41	36	8	☺
	DC160-03-07.200A0-	7,2		29	79	41	36	8	☺
	DC160-03-07.300A0-	7,3		29	79	41	36	8	☺
	DC160-03-07.400A0-	7,4		29	79	41	36	8	☺
	DC160-03-07.500A0-	7,5		29	79	41	36	8	☺
	DC160-03-07.541A0-	7,541	19/64"	29	79	41	36	8	☺
	DC160-03-07.550A0-	7,55		29	79	41	36	8	☺
	DC160-03-07.600A0-	7,6		29	79	41	36	8	☺
	DC160-03-07.700A0-	7,7		29	79	41	36	8	☺
	DC160-03-07.800A0-	7,8		29	79	41	36	8	☺
	DC160-03-07.900A0-	7,9		29	79	41	36	8	☺
	DC160-03-07.938A0-	7,938	5/16"	29	79	41	36	8	☺
	DC160-03-08.000A0-	8		29	79	41	36	8	☺
	DC160-03-08.100A0-	8,1		35	89	47	40	10	☺
	DC160-03-08.200A0-	8,2		35	89	47	40	10	☺
DC160-03-08.300A0-	8,3		35	89	47	40	10	☺	
DC160-03-08.334A0-	8,334	21/64"	35	89	47	40	10	☺	
DC160-03-08.400A0-	8,4		35	89	47	40	10	☺	
DC160-03-08.500A0-	8,5		35	89	47	40	10	☺	
DC160-03-08.600A0-	8,6		35	89	47	40	10	☺	
DC160-03-08.700A0-	8,7		35	89	47	40	10	☺	
DC160-03-08.731A0-	8,731	11/32"	35	89	47	40	10	☺	
DC160-03-08.800A0-	8,8		35	89	47	40	10	☺	
DC160-03-08.900A0-	8,9		35	89	47	40	10	☺	
DC160-03-09.000A0-	9		35	89	47	40	10	☺	
DC160-03-09.100A0-	9,1		35	89	47	40	10	☺	

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

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

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30ET
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC160-03-09.128A0-	9,128	23/64"	35	89	47	40	10	☹
	DC160-03-09.200A0-	9,2		35	89	47	40	10	☹
	DC160-03-09.300A0-	9,3		35	89	47	40	10	☹
	DC160-03-09.400A0-	9,4		35	89	47	40	10	☹
	DC160-03-09.500A0-	9,5		35	89	47	40	10	☹
	DC160-03-09.525A0-	9,525	3/8"	35	89	47	40	10	☹
	DC160-03-09.550A0-	9,55		35	89	47	40	10	☹
	DC160-03-09.600A0-	9,6		35	89	47	40	10	☹
	DC160-03-09.700A0-	9,7		35	89	47	40	10	☹
	DC160-03-09.800A0-	9,8		35	89	47	40	10	☹
	DC160-03-09.900A0-	9,9		35	89	47	40	10	☹
	DC160-03-09.922A0-	9,922	25/64"	35	89	47	40	10	☹
	DC160-03-10.000A0-	10		35	89	47	40	10	☹
	DC160-03-10.100A0-	10,1		40	102	55	45	12	☹
	DC160-03-10.200A0-	10,2		40	102	55	45	12	☹
	DC160-03-10.300A0-	10,3		40	102	55	45	12	☹
	DC160-03-10.319A0-	10,319	13/32"	40	102	55	45	12	☹
	DC160-03-10.400A0-	10,4		40	102	55	45	12	☹
	DC160-03-10.500A0-	10,5		40	102	55	45	12	☹
	DC160-03-10.600A0-	10,6		40	102	55	45	12	☹
	DC160-03-10.700A0-	10,7		40	102	55	45	12	☹
	DC160-03-10.716A0-	10,716	27/64"	40	102	55	45	12	☹
	DC160-03-10.800A0-	10,8		40	102	55	45	12	☹
	DC160-03-10.900A0-	10,9		40	102	55	45	12	☹
	DC160-03-11.000A0-	11		40	102	55	45	12	☹
	DC160-03-11.100A0-	11,1		40	102	55	45	12	☹
	DC160-03-11.113A0-	11,113	7/16"	40	102	55	45	12	☹
	DC160-03-11.200A0-	11,2		40	102	55	45	12	☹
	DC160-03-11.300A0-	11,3		40	102	55	45	12	☹
	DC160-03-11.400A0-	11,4		40	102	55	45	12	☹
	DC160-03-11.500A0-	11,5		40	102	55	45	12	☹
	DC160-03-11.509A0-	11,509	29/64"	40	102	55	45	12	☹
	DC160-03-11.550A0-	11,55		40	102	55	45	12	☹
	DC160-03-11.700A0-	11,7		40	102	55	45	12	☹
DC160-03-11.800A0-	11,8		40	102	55	45	12	☹	
DC160-03-11.900A0-	11,9		40	102	55	45	12	☹	
DC160-03-11.906A0-	11,906	15/32"	40	102	55	45	12	☹	
DC160-03-12.000A0-	12		40	102	55	45	12	☹	
DC160-03-12.100A0-	12,1		43	107	60	45	14	☹	
DC160-03-12.200A0-	12,2		43	107	60	45	14	☹	
DC160-03-12.250A0-	12,25		43	107	60	45	14	☹	
DC160-03-12.300A0-	12,3		43	107	60	45	14	☹	
DC160-03-12.303A0-	12,303	31/64"	43	107	60	45	14	☹	
DC160-03-12.400A0-	12,4		43	107	60	45	14	☹	
DC160-03-12.500A0-	12,5		43	107	60	45	14	☹	
DC160-03-12.600A0-	12,6		43	107	60	45	14	☹	

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

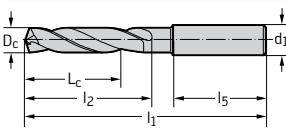
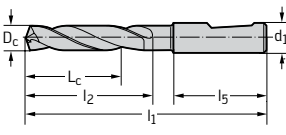
**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	h <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub> h6	WJ30ET
		mm		mm	mm	mm	mm	mm	
<p>DIN 6535 HA</p>	DC160-03-12.700A0-	12,700	1/2"	43	107	60	45	14	☺
	DC160-03-12.750A0-	12,75		43	107	60	45	14	☺
	DC160-03-12.800A0-	12,8		43	107	60	45	14	☺
	DC160-03-12.900A0-	12,9		43	107	60	45	14	☺
	DC160-03-13.000A0-	13		43	107	60	45	14	☺
	DC160-03-13.100A0-	13,1		43	107	60	45	14	☺
	DC160-03-13.200A0-	13,2		43	107	60	45	14	☺
	DC160-03-13.300A0-	13,3		43	107	60	45	14	☺
	DC160-03-13.400A0-	13,4		43	107	60	45	14	☺
	DC160-03-13.494A0-	13,494	17/32"	43	107	60	45	14	☺
	DC160-03-13.500A0-	13,5		43	107	60	45	14	☺
	DC160-03-13.600A0-	13,6		43	107	60	45	14	☺
	DC160-03-13.700A0-	13,7		43	107	60	45	14	☺
	DC160-03-13.800A0-	13,8		43	107	60	45	14	☺
	DC160-03-13.900A0-	13,9		43	107	60	45	14	☺
	DC160-03-14.000A0-	14		43	107	60	45	14	☺
	DC160-03-14.100A0-	14,1		45	115	65	48	16	☺
	DC160-03-14.200A0-	14,2		45	115	65	48	16	☺
	DC160-03-14.288A0-	14,288	9/16"	45	115	65	48	16	☺
	DC160-03-14.300A0-	14,3		45	115	65	48	16	☺
	DC160-03-14.400A0-	14,4		45	115	65	48	16	☺
	DC160-03-14.500A0-	14,5		45	115	65	48	16	☺
	DC160-03-14.600A0-	14,6		45	115	65	48	16	☺
	DC160-03-14.700A0-	14,7		45	115	65	48	16	☺
	DC160-03-14.800A0-	14,8		45	115	65	48	16	☺
	DC160-03-15.000A0-	15		45	115	65	48	16	☺
	DC160-03-15.100A0-	15,1		45	115	65	48	16	☺
	DC160-03-15.200A0-	15,2		45	115	65	48	16	☺
	DC160-03-15.300A0-	15,3		45	115	65	48	16	☺
	DC160-03-15.500A0-	15,5		45	115	65	48	16	☺
	DC160-03-15.600A0-	15,6		45	115	65	48	16	☺
	DC160-03-15.700A0-	15,7		45	115	65	48	16	☺
	DC160-03-15.800A0-	15,8		45	115	65	48	16	☺
	DC160-03-15.875A0-	15,875	5/8"	45	115	65	48	16	☺
DC160-03-15.900A0-	15,9		45	115	65	48	16	☺	
DC160-03-16.000A0-	16		45	115	65	48	16	☺	
DC160-03-16.100A0-	16,1		51	123	73	48	18	☺	
DC160-03-16.200A0-	16,2		51	123	73	48	18	☺	
DC160-03-16.300A0-	16,3		51	123	73	48	18	☺	
DC160-03-16.500A0-	16,5		51	123	73	48	18	☺	
DC160-03-16.600A0-	16,6		51	123	73	48	18	☺	
DC160-03-16.700A0-	16,7		51	123	73	48	18	☺	
DC160-03-16.750A0-	16,75		51	123	73	48	18	☺	
DC160-03-16.800A0-	16,8		51	123	73	48	18	☺	
DC160-03-17.000A0-	17		51	123	73	48	18	☺	
DC160-03-17.200A0-	17,2		51	123	73	48	18	☺	

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

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

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30ET
 <p>DIN 6535 HA</p>	DC160-03-17.300A0-	17,3		51	123	73	48	18	☹
	DC160-03-17.500A0-	17,5		51	123	73	48	18	☹
	DC160-03-17.600A0-	17,6		51	123	73	48	18	☹
	DC160-03-17.700A0-	17,7		51	123	73	48	18	☹
	DC160-03-17.800A0-	17,8		51	123	73	48	18	☹
	DC160-03-18.000A0-	18		51	123	73	48	18	☹
	DC160-03-18.200A0-	18,2		55	131	79	50	20	☹
	DC160-03-18.500A0-	18,5		55	131	79	50	20	☹
	DC160-03-18.700A0-	18,7		55	131	79	50	20	☹
	DC160-03-18.800A0-	18,8		55	131	79	50	20	☹
	DC160-03-19.000A0-	19		55	131	79	50	20	☹
	DC160-03-19.050A0-	19,050	3/4"	55	131	79	50	20	☹
	DC160-03-19.500A0-	19,5		55	131	79	50	20	☹
	DC160-03-19.700A0-	19,7		55	131	79	50	20	☹
	DC160-03-19.800A0-	19,8		55	131	79	50	20	☹
	DC160-03-20.000A0-	20		55	131	79	50	20	☹
 <p>DIN 6535 HE</p>	DC160-03-03.000F0-	3		14	62	20	36	6	☹
	DC160-03-03.100F0-	3,1		14	62	20	36	6	☹
	DC160-03-03.200F0-	3,2		14	62	20	36	6	☹
	DC160-03-03.250F0-	3,25		14	62	20	36	6	☹
	DC160-03-03.300F0-	3,3		14	62	20	36	6	☹
	DC160-03-03.400F0-	3,4		14	62	20	36	6	☹
	DC160-03-03.500F0-	3,5		14	62	20	36	6	☹
	DC160-03-03.600F0-	3,6		14	62	20	36	6	☹
	DC160-03-03.650F0-	3,65		14	62	20	36	6	☹
	DC160-03-03.700F0-	3,7		14	62	20	36	6	☹
	DC160-03-03.800F0-	3,8		17	66	24	36	6	☹
	DC160-03-03.900F0-	3,9		17	66	24	36	6	☹
	DC160-03-04.000F0-	4		17	66	24	36	6	☹
	DC160-03-04.100F0-	4,1		17	66	24	36	6	☹
	DC160-03-04.200F0-	4,2		17	66	24	36	6	☹
	DC160-03-04.300F0-	4,3		17	66	24	36	6	☹
	DC160-03-04.400F0-	4,4		17	66	24	36	6	☹
	DC160-03-04.500F0-	4,5		17	66	24	36	6	☹
	DC160-03-04.600F0-	4,6		17	66	24	36	6	☹
	DC160-03-04.650F0-	4,65		17	66	24	36	6	☹
	DC160-03-04.700F0-	4,7		17	66	24	36	6	☹
	DC160-03-04.800F0-	4,8		20	66	28	36	6	☹
	DC160-03-04.900F0-	4,9		20	66	28	36	6	☹
	DC160-03-05.000F0-	5		20	66	28	36	6	☹
	DC160-03-05.100F0-	5,1		20	66	28	36	6	☹
	DC160-03-05.200F0-	5,2		20	66	28	36	6	☹
	DC160-03-05.300F0-	5,3		20	66	28	36	6	☹
	DC160-03-05.400F0-	5,4		20	66	28	36	6	☹
DC160-03-05.500F0-	5,5		20	66	28	36	6	☹	
DC160-03-05.550F0-	5,55		20	66	28	36	6	☹	

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

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HE</p>	DC160-03-05.600F0-	5,6		20	66	28	36	6	☺
	DC160-03-05.700F0-	5,7		20	66	28	36	6	☺
	DC160-03-05.800F0-	5,8		20	66	28	36	6	☺
	DC160-03-05.900F0-	5,9		20	66	28	36	6	☺
	DC160-03-06.000F0-	6		20	66	28	36	6	☺
	DC160-03-06.100F0-	6,1		24	79	34	36	8	☺
	DC160-03-06.200F0-	6,2		24	79	34	36	8	☺
	DC160-03-06.300F0-	6,3		24	79	34	36	8	☺
	DC160-03-06.400F0-	6,4		24	79	34	36	8	☺
	DC160-03-06.500F0-	6,5		24	79	34	36	8	☺
	DC160-03-06.600F0-	6,6		24	79	34	36	8	☺
	DC160-03-06.700F0-	6,7		24	79	34	36	8	☺
	DC160-03-06.800F0-	6,8		24	79	34	36	8	☺
	DC160-03-06.900F0-	6,9		24	79	34	36	8	☺
	DC160-03-07.000F0-	7		24	79	34	36	8	☺
	DC160-03-07.100F0-	7,1		29	79	41	36	8	☺
	DC160-03-07.200F0-	7,2		29	79	41	36	8	☺
	DC160-03-07.300F0-	7,3		29	79	41	36	8	☺
	DC160-03-07.400F0-	7,4		29	79	41	36	8	☺
	DC160-03-07.500F0-	7,5		29	79	41	36	8	☺
	DC160-03-07.550F0-	7,55		29	79	41	36	8	☺
	DC160-03-07.600F0-	7,6		29	79	41	36	8	☺
	DC160-03-07.700F0-	7,7		29	79	41	36	8	☺
	DC160-03-07.800F0-	7,8		29	79	41	36	8	☺
	DC160-03-07.900F0-	7,9		29	79	41	36	8	☺
	DC160-03-08.000F0-	8		29	79	41	36	8	☺
	DC160-03-08.100F0-	8,1		35	89	47	40	10	☺
	DC160-03-08.200F0-	8,2		35	89	47	40	10	☺
	DC160-03-08.300F0-	8,3		35	89	47	40	10	☺
	DC160-03-08.400F0-	8,4		35	89	47	40	10	☺
	DC160-03-08.500F0-	8,5		35	89	47	40	10	☺
	DC160-03-08.600F0-	8,6		35	89	47	40	10	☺
	DC160-03-08.700F0-	8,7		35	89	47	40	10	☺
DC160-03-08.800F0-	8,8		35	89	47	40	10	☺	
DC160-03-08.900F0-	8,9		35	89	47	40	10	☺	
DC160-03-09.000F0-	9		35	89	47	40	10	☺	
DC160-03-09.100F0-	9,1		35	89	47	40	10	☺	
DC160-03-09.200F0-	9,2		35	89	47	40	10	☺	
DC160-03-09.300F0-	9,3		35	89	47	40	10	☺	
DC160-03-09.400F0-	9,4		35	89	47	40	10	☺	
DC160-03-09.500F0-	9,5		35	89	47	40	10	☺	
DC160-03-09.550F0-	9,55		35	89	47	40	10	☺	
DC160-03-09.600F0-	9,6		35	89	47	40	10	☺	
DC160-03-09.700F0-	9,7		35	89	47	40	10	☺	
DC160-03-09.800F0-	9,8		35	89	47	40	10	☺	
DC160-03-09.900F0-	9,9		35	89	47	40	10	☺	

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

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30ET
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HE</p>	DC160-03-10.000F0-	10		35	89	47	40	10	☹
	DC160-03-10.100F0-	10,1		40	102	55	45	12	☹
	DC160-03-10.200F0-	10,2		40	102	55	45	12	☹
	DC160-03-10.300F0-	10,3		40	102	55	45	12	☹
	DC160-03-10.400F0-	10,4		40	102	55	45	12	☹
	DC160-03-10.500F0-	10,5		40	102	55	45	12	☹
	DC160-03-10.600F0-	10,6		40	102	55	45	12	☹
	DC160-03-10.700F0-	10,7		40	102	55	45	12	☹
	DC160-03-10.800F0-	10,8		40	102	55	45	12	☹
	DC160-03-10.900F0-	10,9		40	102	55	45	12	☹
	DC160-03-11.000F0-	11		40	102	55	45	12	☹
	DC160-03-11.100F0-	11,1		40	102	55	45	12	☹
	DC160-03-11.200F0-	11,2		40	102	55	45	12	☹
	DC160-03-11.300F0-	11,3		40	102	55	45	12	☹
	DC160-03-11.400F0-	11,4		40	102	55	45	12	☹
	DC160-03-11.500F0-	11,5		40	102	55	45	12	☹
	DC160-03-11.550F0-	11,55		40	102	55	45	12	☹
	DC160-03-11.600F0-	11,6		40	102	55	45	12	☹
	DC160-03-11.700F0-	11,7		40	102	55	45	12	☹
	DC160-03-11.800F0-	11,8		40	102	55	45	12	☹
	DC160-03-11.900F0-	11,9		40	102	55	45	12	☹
	DC160-03-12.000F0-	12		40	102	55	45	12	☹
	DC160-03-12.100F0-	12,1		43	107	60	45	14	☹
	DC160-03-12.200F0-	12,2		43	107	60	45	14	☹
	DC160-03-12.250F0-	12,25		43	107	60	45	14	☹
	DC160-03-12.300F0-	12,3		43	107	60	45	14	☹
	DC160-03-12.400F0-	12,4		43	107	60	45	14	☹
	DC160-03-12.500F0-	12,5		43	107	60	45	14	☹
	DC160-03-12.600F0-	12,6		43	107	60	45	14	☹
	DC160-03-12.700F0-	12,700	1/2"	43	107	60	45	14	☹
	DC160-03-12.750F0-	12,75		43	107	60	45	14	☹
	DC160-03-12.800F0-	12,8		43	107	60	45	14	☹
	DC160-03-12.900F0-	12,9		43	107	60	45	14	☹
	DC160-03-13.000F0-	13		43	107	60	45	14	☹
DC160-03-13.100F0-	13,1		43	107	60	45	14	☹	
DC160-03-13.200F0-	13,2		43	107	60	45	14	☹	
DC160-03-13.300F0-	13,3		43	107	60	45	14	☹	
DC160-03-13.400F0-	13,4		43	107	60	45	14	☹	
DC160-03-13.500F0-	13,5		43	107	60	45	14	☹	
DC160-03-13.600F0-	13,6		43	107	60	45	14	☹	
DC160-03-13.700F0-	13,7		43	107	60	45	14	☹	
DC160-03-13.800F0-	13,8		43	107	60	45	14	☹	
DC160-03-13.900F0-	13,9		43	107	60	45	14	☹	
DC160-03-14.000F0-	14		43	107	60	45	14	☹	
DC160-03-14.100F0-	14,1		45	115	65	48	16	☹	
DC160-03-14.200F0-	14,2		45	115	65	48	16	☹	

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

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HE</p>	DC160-03-14.300F0-	14,3		45	115	65	48	16	☺
	DC160-03-14.400F0-	14,4		45	115	65	48	16	☺
	DC160-03-14.500F0-	14,5		45	115	65	48	16	☺
	DC160-03-14.600F0-	14,6		45	115	65	48	16	☺
	DC160-03-14.700F0-	14,7		45	115	65	48	16	☺
	DC160-03-14.750F0-	14,75		45	115	65	48	16	☺
	DC160-03-14.800F0-	14,8		45	115	65	48	16	☺
	DC160-03-15.000F0-	15		45	115	65	48	16	☺
	DC160-03-15.100F0-	15,1		45	115	65	48	16	☺
	DC160-03-15.200F0-	15,2		45	115	65	48	16	☺
	DC160-03-15.300F0-	15,3		45	115	65	48	16	☺
	DC160-03-15.500F0-	15,5		45	115	65	48	16	☺
	DC160-03-15.600F0-	15,6		45	115	65	48	16	☺
	DC160-03-15.700F0-	15,7		45	115	65	48	16	☺
	DC160-03-15.800F0-	15,8		45	115	65	48	16	☺
	DC160-03-15.900F0-	15,9		45	115	65	48	16	☺
	DC160-03-16.000F0-	16		45	115	65	48	16	☺
	DC160-03-16.100F0-	16,1		51	123	73	48	18	☺
	DC160-03-16.200F0-	16,2		51	123	73	48	18	☺
	DC160-03-16.300F0-	16,3		51	123	73	48	18	☺
DC160-03-16.400F0-	16,4		51	123	73	48	18	☺	
DC160-03-16.500F0-	16,5		51	123	73	48	18	☺	
DC160-03-16.600F0-	16,6		51	123	73	48	18	☺	
DC160-03-16.700F0-	16,7		51	123	73	48	18	☺	
DC160-03-16.750F0-	16,75		51	123	73	48	18	☺	
DC160-03-16.800F0-	16,8		51	123	73	48	18	☺	
DC160-03-17.000F0-	17		51	123	73	48	18	☺	
DC160-03-17.200F0-	17,2		51	123	73	48	18	☺	
DC160-03-17.300F0-	17,3		51	123	73	48	18	☺	
DC160-03-17.500F0-	17,5		51	123	73	48	18	☺	
DC160-03-17.600F0-	17,6		51	123	73	48	18	☺	
DC160-03-17.700F0-	17,7		51	123	73	48	18	☺	
DC160-03-17.800F0-	17,8		51	123	73	48	18	☺	
DC160-03-18.000F0-	18		51	123	73	48	18	☺	
DC160-03-18.200F0-	18,2		55	131	79	50	20	☺	
DC160-03-18.500F0-	18,5		55	131	79	50	20	☺	
DC160-03-18.700F0-	18,7		55	131	79	50	20	☺	
DC160-03-18.800F0-	18,8		55	131	79	50	20	☺	
DC160-03-19.000F0-	19		55	131	79	50	20	☺	
DC160-03-19.500F0-	19,5		55	131	79	50	20	☺	
DC160-03-19.700F0-	19,7		55	131	79	50	20	☺	
DC160-03-19.800F0-	19,8		55	131	79	50	20	☺	
DC160-03-20.000F0-	20		55	131	79	50	20	☺	

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

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

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

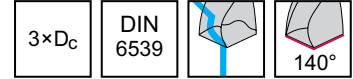
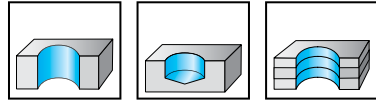
B1

# Solid carbide twist drills

## DC150 Perform



– Up to 1.9 mm dimensions in accordance with DIN 1897



B1

	P	M	K	N	S	H	O
WJ30RE	●●	●	●●	●	●	●	●

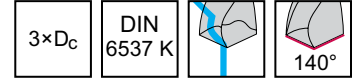
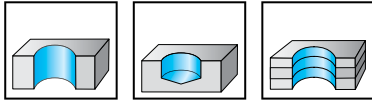
Tool	Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
<p>Cylindrical shank</p>	DC150-03-01.500U0-	1,5		6	32	9	1,5	☺
	DC150-03-01.588U0-	1,588	1/16"	7	34	10	1,588	☺
	DC150-03-01.600U0-	1,6		7	34	10	1,6	☺
	DC150-03-01.700U0-	1,7		7	34	10	1,7	☺
	DC150-03-01.800U0-	1,8		8	36	11	1,8	☺
	DC150-03-01.820U0-	1,82		8	36	11	1,82	☺
	DC150-03-01.900U0-	1,9		8	36	11	1,9	☺
	DC150-03-01.984U0-	1,984	5/64"	8	38	12	1,984	☺
	DC150-03-02.000U0-	2		8	38	12	2	☺
	DC150-03-02.050U0-	2,05		8	38	12	2,05	☺
	DC150-03-02.100U0-	2,1		8	38	12	2,1	☺
	DC150-03-02.200U0-	2,2		9	40	13	2,2	☺
	DC150-03-02.300U0-	2,3		9	40	13	2,3	☺
	DC150-03-02.381U0-	2,381	3/32"	10	43	14	2,381	☺
	DC150-03-02.400U0-	2,4		10	43	14	2,4	☺
	DC150-03-02.500U0-	2,5		10	43	14	2,5	☺
	DC150-03-02.600U0-	2,6		10	43	14	2,6	☺
	DC150-03-02.700U0-	2,7		11	46	16	2,7	☺
	DC150-03-02.778U0-	2,778	7/64"	11	46	16	2,778	☺
	DC150-03-02.800U0-	2,8		11	46	16	2,8	☺
DC150-03-02.900U0-	2,9		11	46	16	2,9	☺	

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



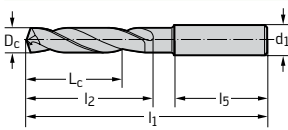
# Solid carbide twist drills

## DC150 Perform



	P	M	K	N	S	H	O
WJ30RE	●●	●	●●	●	●	●	●

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
DC150-03-03.000A0-	3		14	62	20	36	6	☺
DC150-03-03.100A0-	3,1		14	62	20	36	6	☺
DC150-03-03.175A0-	3,175	1/8"	14	62	20	36	6	☺
DC150-03-03.200A0-	3,2		14	62	20	36	6	☺
DC150-03-03.250A0-	3,25		14	62	20	36	6	☺
DC150-03-03.300A0-	3,3		14	62	20	36	6	☺
DC150-03-03.400A0-	3,4		14	62	20	36	6	☺
DC150-03-03.500A0-	3,5		14	62	20	36	6	☺
DC150-03-03.572A0-	3,572	9/64"	14	62	20	36	6	☺
DC150-03-03.600A0-	3,6		14	62	20	36	6	☺
DC150-03-03.700A0-	3,7		14	62	20	36	6	☺
DC150-03-03.800A0-	3,8		17	66	24	36	6	☺
DC150-03-03.900A0-	3,9		17	66	24	36	6	☺
DC150-03-03.969A0-	3,969	5/32"	17	66	24	36	6	☺
DC150-03-04.000A0-	4		17	66	24	36	6	☺
DC150-03-04.100A0-	4,1		17	66	24	36	6	☺
DC150-03-04.200A0-	4,2		17	66	24	36	6	☺
DC150-03-04.300A0-	4,3		17	66	24	36	6	☺
DC150-03-04.366A0-	4,366	11/64"	17	66	24	36	6	☺
DC150-03-04.400A0-	4,4		17	66	24	36	6	☺
DC150-03-04.500A0-	4,5		17	66	24	36	6	☺
DC150-03-04.600A0-	4,6		17	66	24	36	6	☺
DC150-03-04.650A0-	4,65		17	66	24	36	6	☺
DC150-03-04.700A0-	4,7		17	66	24	36	6	☺
DC150-03-04.763A0-	4,763	3/16"	20	66	28	36	6	☺
DC150-03-04.800A0-	4,8		20	66	28	36	6	☺
DC150-03-04.900A0-	4,9		20	66	28	36	6	☺
DC150-03-05.000A0-	5		20	66	28	36	6	☺
DC150-03-05.100A0-	5,1		20	66	28	36	6	☺
DC150-03-05.159A0-	5,159	13/64"	20	66	28	36	6	☺
DC150-03-05.200A0-	5,2		20	66	28	36	6	☺
DC150-03-05.300A0-	5,3		20	66	28	36	6	☺
DC150-03-05.400A0-	5,4		20	66	28	36	6	☺
DC150-03-05.500A0-	5,5		20	66	28	36	6	☺
DC150-03-05.550A0-	5,55		20	66	28	36	6	☺
DC150-03-05.556A0-	5,556	7/32"	20	66	28	36	6	☺

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

**WALTER  
SELECT**

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30RE
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC150-03-05.600A0-	5,6		20	66	28	36	6	☹
	DC150-03-05.700A0-	5,7		20	66	28	36	6	☹
	DC150-03-05.800A0-	5,8		20	66	28	36	6	☹
	DC150-03-05.900A0-	5,9		20	66	28	36	6	☹
	DC150-03-05.953A0-	5,953	15/64"	20	66	28	36	6	☹
	DC150-03-06.000A0-	6		20	66	28	36	6	☹
	DC150-03-06.100A0-	6,1		24	79	34	36	8	☹
	DC150-03-06.200A0-	6,2		24	79	34	36	8	☹
	DC150-03-06.300A0-	6,3		24	79	34	36	8	☹
	DC150-03-06.350A0-	6,350	1/4"	24	79	34	36	8	☹
	DC150-03-06.400A0-	6,4		24	79	34	36	8	☹
	DC150-03-06.500A0-	6,5		24	79	34	36	8	☹
	DC150-03-06.600A0-	6,6		24	79	34	36	8	☹
	DC150-03-06.700A0-	6,7		24	79	34	36	8	☹
	DC150-03-06.747A0-	6,747	17/64"	24	79	34	36	8	☹
	DC150-03-06.800A0-	6,8		24	79	34	36	8	☹
	DC150-03-06.900A0-	6,9		24	79	34	36	8	☹
	DC150-03-07.000A0-	7		24	79	34	36	8	☹
	DC150-03-07.100A0-	7,1		29	79	41	36	8	☹
	DC150-03-07.144A0-	7,144	9/32"	29	79	41	36	8	☹
	DC150-03-07.200A0-	7,2		29	79	41	36	8	☹
	DC150-03-07.300A0-	7,3		29	79	41	36	8	☹
	DC150-03-07.400A0-	7,4		29	79	41	36	8	☹
	DC150-03-07.500A0-	7,5		29	79	41	36	8	☹
	DC150-03-07.541A0-	7,541	19/64"	29	79	41	36	8	☹
	DC150-03-07.600A0-	7,6		29	79	41	36	8	☹
	DC150-03-07.700A0-	7,7		29	79	41	36	8	☹
	DC150-03-07.800A0-	7,8		29	79	41	36	8	☹
	DC150-03-07.900A0-	7,9		29	79	41	36	8	☹
	DC150-03-07.938A0-	7,938	5/16"	29	79	41	36	8	☹
	DC150-03-08.000A0-	8		29	79	41	36	8	☹
	DC150-03-08.100A0-	8,1		35	89	47	40	10	☹
	DC150-03-08.200A0-	8,2		35	89	47	40	10	☹
DC150-03-08.300A0-	8,3		35	89	47	40	10	☹	
DC150-03-08.334A0-	8,334	21/64"	35	89	47	40	10	☹	
DC150-03-08.400A0-	8,4		35	89	47	40	10	☹	
DC150-03-08.500A0-	8,5		35	89	47	40	10	☹	
DC150-03-08.600A0-	8,6		35	89	47	40	10	☹	
DC150-03-08.700A0-	8,7		35	89	47	40	10	☹	
DC150-03-08.731A0-	8,731	11/32"	35	89	47	40	10	☹	
DC150-03-08.800A0-	8,8		35	89	47	40	10	☹	
DC150-03-08.900A0-	8,9		35	89	47	40	10	☹	
DC150-03-09.000A0-	9		35	89	47	40	10	☹	
DC150-03-09.100A0-	9,1		35	89	47	40	10	☹	
DC150-03-09.200A0-	9,2		35	89	47	40	10	☹	
DC150-03-09.300A0-	9,3		35	89	47	40	10	☹	

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

**WALTER  
SELECT**

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

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
<p>DIN 6535 HA</p>	DC150-03-09.400A0-	9,4		35	89	47	40	10	☺
	DC150-03-09.500A0-	9,5		35	89	47	40	10	☺
	DC150-03-09.525A0-	9,525	3/8"	35	89	47	40	10	☺
	DC150-03-09.600A0-	9,6		35	89	47	40	10	☺
	DC150-03-09.700A0-	9,7		35	89	47	40	10	☺
	DC150-03-09.800A0-	9,8		35	89	47	40	10	☺
	DC150-03-09.900A0-	9,9		35	89	47	40	10	☺
	DC150-03-09.922A0-	9,922	25/64"	35	89	47	40	10	☺
	DC150-03-10.000A0-	10		35	89	47	40	10	☺
	DC150-03-10.100A0-	10,1		40	102	55	45	12	☺
	DC150-03-10.200A0-	10,2		40	102	55	45	12	☺
	DC150-03-10.300A0-	10,3		40	102	55	45	12	☺
	DC150-03-10.319A0-	10,319	13/32"	40	102	55	45	12	☺
	DC150-03-10.400A0-	10,4		40	102	55	45	12	☺
	DC150-03-10.500A0-	10,5		40	102	55	45	12	☺
	DC150-03-10.600A0-	10,6		40	102	55	45	12	☺
	DC150-03-10.716A0-	10,716	27/64"	40	102	55	45	12	☺
	DC150-03-10.800A0-	10,8		40	102	55	45	12	☺
	DC150-03-11.000A0-	11		40	102	55	45	12	☺
	DC150-03-11.100A0-	11,1		40	102	55	45	12	☺
	DC150-03-11.113A0-	11,113	7/16"	40	102	55	45	12	☺
	DC150-03-11.200A0-	11,2		40	102	55	45	12	☺
	DC150-03-11.300A0-	11,3		40	102	55	45	12	☺
	DC150-03-11.400A0-	11,4		40	102	55	45	12	☺
	DC150-03-11.500A0-	11,5		40	102	55	45	12	☺
	DC150-03-11.509A0-	11,509	29/64"	40	102	55	45	12	☺
	DC150-03-11.700A0-	11,7		40	102	55	45	12	☺
	DC150-03-11.800A0-	11,8		40	102	55	45	12	☺
	DC150-03-11.900A0-	11,9		40	102	55	45	12	☺
	DC150-03-12.000A0-	12		40	102	55	45	12	☺
	DC150-03-12.100A0-	12,1		43	107	60	45	14	☺
	DC150-03-12.200A0-	12,2		43	107	60	45	14	☺
	DC150-03-12.250A0-	12,25		43	107	60	45	14	☺
	DC150-03-12.300A0-	12,3		43	107	60	45	14	☺
	DC150-03-12.303A0-	12,303	31/64"	43	107	60	45	14	☺
DC150-03-12.500A0-	12,5		43	107	60	45	14	☺	
DC150-03-12.700A0-	12,700	1/2"	43	107	60	45	14	☺	
DC150-03-12.800A0-	12,8		43	107	60	45	14	☺	
DC150-03-13.000A0-	13		43	107	60	45	14	☺	
DC150-03-13.100A0-	13,1		43	107	60	45	14	☺	
DC150-03-13.300A0-	13,3		43	107	60	45	14	☺	
DC150-03-13.494A0-	13,494	17/32"	43	107	60	45	14	☺	
DC150-03-13.500A0-	13,5		43	107	60	45	14	☺	
DC150-03-14.000A0-	14		43	107	60	45	14	☺	
DC150-03-14.200A0-	14,2		45	115	65	48	16	☺	
DC150-03-14.288A0-	14,288	9/16"	45	115	65	48	16	☺	

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

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

B1

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30RE	
<p>DIN 6535 HA</p>	DC150-03-14.500A0-	14,5		45	115	65	48	16	☹	
	DC150-03-14.700A0-	14,7		45	115	65	48	16	☹	
	DC150-03-14.800A0-	14,8		45	115	65	48	16	☹	
	DC150-03-15.000A0-	15		45	115	65	48	16	☹	
	DC150-03-15.100A0-	15,1		45	115	65	48	16	☹	
	DC150-03-15.500A0-	15,5		45	115	65	48	16	☹	
	DC150-03-15.800A0-	15,8		45	115	65	48	16	☹	
	DC150-03-15.875A0-	15,875	5/8"	45	115	65	48	16	☹	
	DC150-03-16.000A0-	16		45	115	65	48	16	☹	
	DC150-03-16.500A0-	16,5		51	123	73	48	18	☹	
	DC150-03-16.750A0-	16,75		51	123	73	48	18	☹	
	DC150-03-17.000A0-	17		51	123	73	48	18	☹	
	DC150-03-17.500A0-	17,5		51	123	73	48	18	☹	
	DC150-03-17.800A0-	17,8		51	123	73	48	18	☹	
	DC150-03-18.000A0-	18		51	123	73	48	18	☹	
	DC150-03-19.000A0-	19		55	131	79	50	20	☹	
	DC150-03-20.000A0-	20		55	131	79	50	20	☹	
	<p>DIN 6535 HE, turned 180° DIN 6535 HB</p>	DC150-03-03.000D0-	3		14	62	20	36	6	☹
		DC150-03-03.100D0-	3,1		14	62	20	36	6	☹
		DC150-03-03.200D0-	3,2		14	62	20	36	6	☹
DC150-03-03.300D0-		3,3		14	62	20	36	6	☹	
DC150-03-03.400D0-		3,4		14	62	20	36	6	☹	
DC150-03-03.500D0-		3,5		14	62	20	36	6	☹	
DC150-03-03.600D0-		3,6		14	62	20	36	6	☹	
DC150-03-03.700D0-		3,7		14	62	20	36	6	☹	
DC150-03-03.800D0-		3,8		17	66	24	36	6	☹	
DC150-03-03.900D0-		3,9		17	66	24	36	6	☹	
DC150-03-04.000D0-		4		17	66	24	36	6	☹	
DC150-03-04.200D0-		4,2		17	66	24	36	6	☹	
DC150-03-04.300D0-		4,3		17	66	24	36	6	☹	
DC150-03-04.500D0-		4,5		17	66	24	36	6	☹	
DC150-03-04.650D0-		4,65		17	66	24	36	6	☹	
DC150-03-04.700D0-		4,7		17	66	24	36	6	☹	
DC150-03-04.800D0-		4,8		20	66	28	36	6	☹	
DC150-03-05.000D0-		5		20	66	28	36	6	☹	
DC150-03-05.100D0-		5,1		20	66	28	36	6	☹	
DC150-03-05.300D0-		5,3		20	66	28	36	6	☹	
DC150-03-05.500D0-	5,5		20	66	28	36	6	☹		
DC150-03-05.550D0-	5,55		20	66	28	36	6	☹		
DC150-03-05.600D0-	5,6		20	66	28	36	6	☹		
DC150-03-05.800D0-	5,8		20	66	28	36	6	☹		
DC150-03-06.000D0-	6		20	66	28	36	6	☹		
DC150-03-06.100D0-	6,1		24	79	34	36	8	☹		
DC150-03-06.200D0-	6,2		24	79	34	36	8	☹		
DC150-03-06.300D0-	6,3		24	79	34	36	8	☹		
DC150-03-06.500D0-	6,5		24	79	34	36	8	☹		

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

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
	DC150-03-06.6000D0-	6,6		24	79	34	36	8	☺
	DC150-03-06.7000D0-	6,7		24	79	34	36	8	☺
	DC150-03-06.8000D0-	6,8		24	79	34	36	8	☺
	DC150-03-07.0000D0-	7		24	79	34	36	8	☺
DIN 6535 HE, turned 180° DIN 6535 HB	DC150-03-07.1000D0-	7,1		29	79	41	36	8	☺
	DC150-03-07.4000D0-	7,4		29	79	41	36	8	☺
	DC150-03-07.5000D0-	7,5		29	79	41	36	8	☺
	DC150-03-07.6000D0-	7,6		29	79	41	36	8	☺
	DC150-03-07.8000D0-	7,8		29	79	41	36	8	☺
	DC150-03-08.0000D0-	8		29	79	41	36	8	☺
	DC150-03-08.2000D0-	8,2		35	89	47	40	10	☺
	DC150-03-08.3000D0-	8,3		35	89	47	40	10	☺
	DC150-03-08.5000D0-	8,5		35	89	47	40	10	☺
	DC150-03-08.6000D0-	8,6		35	89	47	40	10	☺
	DC150-03-08.7000D0-	8,7		35	89	47	40	10	☺
	DC150-03-08.8000D0-	8,8		35	89	47	40	10	☺
	DC150-03-09.0000D0-	9		35	89	47	40	10	☺
	DC150-03-09.1000D0-	9,1		35	89	47	40	10	☺
	DC150-03-09.5000D0-	9,5		35	89	47	40	10	☺
	DC150-03-09.7000D0-	9,5		35	89	47	40	10	☺
	DC150-03-09.8000D0-	9,8		35	89	47	40	10	☺
	DC150-03-10.0000D0-	10		35	89	47	40	10	☺
	DC150-03-10.1000D0-	10,1		40	102	55	45	12	☺
	DC150-03-10.2000D0-	10,2		40	102	55	45	12	☺
	DC150-03-10.3000D0-	10,3		40	102	55	45	12	☺
	DC150-03-10.4000D0-	10,4		40	102	55	45	12	☺
	DC150-03-10.5000D0-	10,5		40	102	55	45	12	☺
	DC150-03-10.8000D0-	10,8		40	102	55	45	12	☺
	DC150-03-10.9000D0-	10,9		40	102	55	45	12	☺
	DC150-03-11.0000D0-	11		40	102	55	45	12	☺
	DC150-03-11.1000D0-	11,1		40	102	55	45	12	☺
	DC150-03-11.2000D0-	11,2		40	102	55	45	12	☺
	DC150-03-11.3000D0-	11,3		40	102	55	45	12	☺
	DC150-03-11.5000D0-	11,5		40	102	55	45	12	☺
	DC150-03-11.6000D0-	11,6		40	102	55	45	12	☺
	DC150-03-11.8000D0-	11,8		40	102	55	45	12	☺
	DC150-03-12.0000D0-	12		40	102	55	45	12	☺
	DC150-03-12.2000D0-	12,2		43	107	60	45	14	☺
	DC150-03-12.5000D0-	12,5		43	107	60	45	14	☺
	DC150-03-13.0000D0-	13		43	107	60	45	14	☺
	DC150-03-13.2000D0-	13,2		43	107	60	45	14	☺
	DC150-03-13.3000D0-	13,3		43	107	60	45	14	☺
	DC150-03-13.4000D0-	13,4		43	107	60	45	14	☺
	DC150-03-13.5000D0-	13,5		43	107	60	45	14	☺
	DC150-03-13.6000D0-	13,6		43	107	60	45	14	☺
	DC150-03-13.8000D0-	13,8		43	107	60	45	14	☺

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

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

B1

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$h$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30RE
<p>DIN 6535 HE, turned 180° DIN 6535 HB</p>	DC150-03-14.000D0-	14		43	107	60	45	14	☺☺
	DC150-03-15.000D0-	15		45	115	65	48	16	☺☺
	DC150-03-15.100D0-	15,1		45	115	65	48	16	☺☺
	DC150-03-16.000D0-	16		45	115	65	48	16	☺☺
	DC150-03-16.500D0-	16,5		51	123	73	48	18	☺☺
	DC150-03-17.000D0-	17		51	123	73	48	18	☺☺
	DC150-03-17.500D0-	17,5		51	123	73	48	18	☺☺
	DC150-03-18.000D0-	18		51	123	73	48	18	☺☺
	DC150-03-18.500D0-	18,5		55	131	79	50	20	☺☺
	DC150-03-19.000D0-	19		55	131	79	50	20	☺☺
	DC150-03-20.000D0-	20		55	131	79	50	20	☺☺

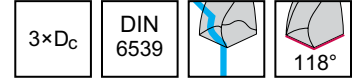
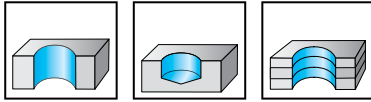
Ordering example for the grade WJ30RE: DC150-03-03.000A0-WJ30RE

# Solid carbide twist drills

## A1163



- Type N



	P	M	K	N	S	H	O
uncoated			●	●●	●		●●

B1

Tool	Designation	D <sub>c</sub> h7 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h6 mm
	A1163-1	1	4	26	6	1
	A1163-1.1	1.1	5	28	7	1.1
	A1163-1.2	1.2	6	30	8	1.2
	A1163-1.3	1.3	6	30	8	1.3
	A1163-1.4	1.4	6	32	9	1.4
	A1163-1.5	1.5	6	32	9	1.5
	A1163-1.6	1.6	7	34	10	1.6
	A1163-1.7	1.7	7	34	10	1.7
	A1163-1.8	1.8	8	36	11	1.8
	A1163-1.9	1.9	8	36	11	1.9
	A1163-2	2	8	38	12	2
	A1163-2.1	2.1	8	38	12	2.1
	A1163-2.2	2.2	9	40	13	2.2
	A1163-2.3	2.3	9	40	13	2.3
	A1163-2.4	2.4	10	43	14	2.4
	A1163-2.5	2.5	10	43	14	2.5
	A1163-2.6	2.6	10	43	14	2.6
	A1163-2.7	2.7	11	46	16	2.7
	A1163-2.8	2.8	11	46	16	2.8
	A1163-2.9	2.9	11	46	16	2.9
	A1163-3	3	11	46	16	3
	A1163-3.1	3.1	12	49	18	3.1
	A1163-3.2	3.2	12	49	18	3.2
	A1163-3.3	3.3	12	49	18	3.3
	A1163-3.4	3.4	14	52	20	3.4
	A1163-3.5	3.5	14	52	20	3.5
	A1163-3.6	3.6	14	52	20	3.6
	A1163-3.7	3.7	14	52	20	3.7
	A1163-3.8	3.8	15	55	22	3.8
	A1163-3.9	3.9	15	55	22	3.9
	A1163-4	4	15	55	22	4
	A1163-4.1	4.1	15	55	22	4.1
	A1163-4.2	4.2	15	55	22	4.2
	A1163-4.3	4.3	16	58	24	4.3
	A1163-4.4	4.4	16	58	24	4.4
	A1163-4.5	4.5	16	58	24	4.5

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

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

Tool	Designation	D <sub>c</sub> h7 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h6 mm
<p>Cylindrical shank</p>	A1163-4.6	4,6	16	58	24	4,6
	A1163-4.7	4,7	16	58	24	4,7
	A1163-4.8	4,8	18	62	26	4,8
	A1163-4.9	4,9	18	62	26	4,9
	A1163-5	5	18	62	26	5
	A1163-5.1	5,1	18	62	26	5,1
	A1163-5.2	5,2	18	62	26	5,2
	A1163-5.3	5,3	18	62	26	5,3
	A1163-5.4	5,4	19	66	28	5,4
	A1163-5.5	5,5	19	66	28	5,5
	A1163-5.6	5,6	19	66	28	5,6
	A1163-5.7	5,7	19	66	28	5,7
A1163-5.8	5,8	19	66	28	5,8	
A1163-5.9	5,9	19	66	28	5,9	
A1163-6	6	19	66	28	28	6
A1163-6.1	6,1	20	70	31	31	6,1
A1163-6.2	6,2	20	70	31	31	6,2
A1163-6.3	6,3	20	70	31	31	6,3
A1163-6.4	6,4	20	70	31	31	6,4
A1163-6.5	6,5	20	70	31	31	6,5
A1163-6.6	6,6	20	70	31	31	6,6
A1163-6.7	6,7	20	70	31	31	6,7
A1163-6.8	6,8	22	74	34	34	6,8
A1163-6.9	6,9	22	74	34	34	6,9
A1163-7	7	22	74	34	34	7
A1163-7.1	7,1	22	74	34	34	7,1
A1163-7.2	7,2	22	74	34	34	7,2
A1163-7.3	7,3	22	74	34	34	7,3
A1163-7.4	7,4	22	74	34	34	7,4
A1163-7.5	7,5	22	74	34	34	7,5
A1163-7.6	7,6	25	79	37	37	7,6
A1163-7.7	7,7	25	79	37	37	7,7
A1163-7.8	7,8	25	79	37	37	7,8
A1163-7.9	7,9	25	79	37	37	7,9
A1163-8	8	25	79	37	37	8
A1163-8.1	8,1	24	79	37	37	8,1
A1163-8.2	8,2	24	79	37	37	8,2
A1163-8.3	8,3	24	79	37	37	8,3
A1163-8.4	8,4	24	79	37	37	8,4
A1163-8.5	8,5	24	79	37	37	8,5
A1163-8.6	8,6	25	84	40	40	8,6
A1163-8.7	8,7	25	84	40	40	8,7
A1163-8.8	8,8	25	84	40	40	8,8
A1163-9	9	25	84	40	40	9
A1163-9.3	9,3	25	84	40	40	9,3
A1163-9.5	9,5	25	84	40	40	9,5
<p>Cylindrical shank</p>	A1163-9.7	9,7	28	89	43	9,7
	A1163-9.8	9,8	28	89	43	9,8
	A1163-10	10	28	89	43	10
	A1163-10.2	10,2	27	89	43	10,2
	A1163-10.5	10,5	27	89	43	10,5
	A1163-11	11	29	95	47	11
	A1163-11.5	11,5	29	95	47	11,5
A1163-12	12	33	102	51	51	12

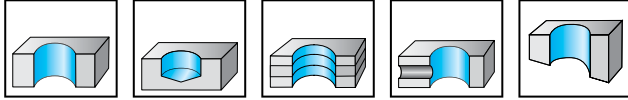


# Solid carbide countersinkers

## A1166TIN / A1166



– Overall length DIN 6539, grooves extended compared to DIN 6539



	P	M	K	N	S	H	O
TIN	●	●	●	●	●	●	●
uncoated	●	●	●	●	●	●	●

B1

Tool	Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h6 mm
<p>Cylindrical shank</p>	A1166TIN-3	3		17	46	22	3
	A1166TIN-3.3	3,3		18	49	24	3,3
	A1166TIN-4	4		23	55	30	4
	A1166TIN-4.2	4,2		23	55	30	4,2
	A1166TIN-4.5	4,5		24	58	32	4,5
	A1166TIN-5	5		27	62	35	5
	A1166TIN-5.5	5,5		30	66	39	5,5
	A1166TIN-6	6		30	66	39	6
	A1166TIN-6.8	6,8		33	74	45	6,8
	A1166TIN-7	7		33	74	45	7
	A1166TIN-7.8	7,8		35	79	48	7,8
	A1166TIN-8	8		35	79	48	8
	A1166TIN-10	10		39	89	55	10
	A1166TIN-10.5	10,5		39	89	55	10,5
A1166TIN-14	14		52	107	66	14	
<p>Cylindrical shank</p>	A1166-3	3		17	46	22	3
	A1166-3.1	3,1		18	49	24	3,1
	A1166-1/8IN	3,175	1/8"	18	49	24	3,175
	A1166-3.2	3,2		18	49	24	3,2
	A1166-3.3	3,3		18	49	24	3,3
	A1166-3.4	3,4		21	52	27	3,4
	A1166-3.5	3,5		21	52	27	3,5
	A1166-9/64IN	3,572	9/64"	21	52	27	3,572
	A1166-3.6	3,6		21	52	27	3,6
	A1166-3.7	3,7		21	52	27	3,7
	A1166-3.8	3,8		23	55	30	3,8
	A1166-3.9	3,9		23	55	30	3,9
	A1166-4	4		23	55	30	4
	A1166-4.1	4,1		23	55	30	4,1
	A1166-4.2	4,2		23	55	30	4,2
	A1166-4.3	4,3		24	58	32	4,3
	A1166-4.4	4,4		24	58	32	4,4
	A1166-4.5	4,5		24	58	32	4,5
	A1166-4.6	4,6		24	58	32	4,6
	A1166-4.7	4,7		24	58	32	4,7
	A1166-3/16IN	4,763	3/16"	27	62	35	4,763

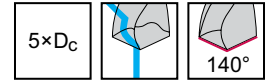
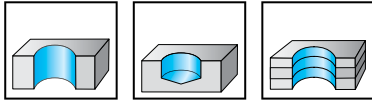
**WALTER SELECT** ●● Primary application ● Other application

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

Tool	Designation	D <sub>c</sub> h7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> h6 mm
<p>Cylindrical shank</p>	A1166-4.8	4,8		27	62	35	4,8
	A1166-4.9	4,9		27	62	35	4,9
	A1166-5	5		27	62	35	5
	A1166-5.1	5,1		27	62	35	5,1
	A1166-13/64IN	5,159	13/64"	27	62	35	5,159
	A1166-5.2	5,2		27	62	35	5,2
	A1166-5.3	5,3		27	62	35	5,3
	A1166-5.4	5,4		30	66	39	5,4
	A1166-5.5	5,5		30	66	39	5,5
	A1166-5.6	5,6		30	66	39	5,6
A1166-5.7	5,7		30	66	39	5,7	
A1166-5.8	5,8		30	66	39	5,8	
A1166-6	6		30	66	39	6	
A1166-6.1	6,1		31	70	42	6,1	
A1166-6.2	6,2		31	70	42	6,2	
A1166-6.3	6,3		31	70	42	6,3	
A1166-1/4IN	6,350	1/4"	31	70	42	6,35	
A1166-6.4	6,4		31	70	42	6,4	
A1166-6.5	6,5		31	70	42	6,5	
A1166-6.6	6,6		31	70	42	6,6	
A1166-6.7	6,7		31	70	42	6,7	
A1166-6.8	6,8		33	74	45	6,8	
A1166-6.9	6,9		33	74	45	6,9	
A1166-7	7		33	74	45	7	
A1166-7.1	7,1		33	74	45	7,1	
A1166-7.2	7,2		33	74	45	7,2	
A1166-7.3	7,3		33	74	45	7,3	
A1166-7.4	7,4		33	74	45	7,4	
A1166-7.5	7,5		33	74	45	7,5	
A1166-7.8	7,8		35	79	48	7,8	
A1166-8	8		35	79	48	8	
A1166-8.1	8,1		35	79	48	8,1	
A1166-8.2	8,2		35	79	48	8,2	
A1166-8.3	8,3		35	79	48	8,3	
A1166-8.5	8,5		35	79	48	8,5	
A1166-8.6	8,6		37	84	52	8,6	
A1166-8.8	8,8		37	84	52	8,8	
A1166-9	9		37	84	52	9	
A1166-9.5	9,5		37	84	52	9,5	
A1166-9.6	9,6		39	89	55	9,6	
A1166-9.8	9,8		39	89	55	9,8	
A1166-10	10		39	89	55	10	
A1166-10.2	10,2		39	89	55	10,2	
A1166-10.3	10,3		39	89	55	10,3	
A1166-11	11		42	95	60	11	
A1166-11.8	11,8		42	95	60	11,8	
<p>Cylindrical shank</p>	A1166-12	12		51	102	65	12
	A1166-12.5	12,5		51	102	65	12,5
	A1166-12.9	12,9		51	102	65	12,9
	A1166-13	13		51	102	65	13
	A1166-14	14		52	107	66	14
	A1166-15	15		55	111	70	15
	A1166-18	18		58	123	76	18

# Solid carbide micro twist drills

## DB133 Supreme



	P	M	K	N	S	H	O
WJ30EL	●●		●●	●●	●	●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EL
<p>DIN 6535 HA</p>	DB133-05-00.500A0-	0,5		3,2	47	4	36	3	☺
	DB133-05-00.550A0-	0,55		4,1	47	5	35	3	☺
	DB133-05-00.600A0-	0,6		4,1	47	5	35	3	☺
	DB133-05-00.650A0-	0,65		5	47	6	34	3	☺
	DB133-05-00.700A0-	0,7		4,9	48	6	35	3	☺
	DB133-05-00.750A0-	0,75		5,8	48	7	34	3	☺
	DB133-05-00.794A0-	0,794	1/32"	5,8	48	7	34	3	☺
	DB133-05-00.800A0-	0,8		5,8	48	7	34	3	☺
	DB133-05-00.850A0-	0,85		6,6	50	8	35	3	☺
	DB133-05-00.880A0-	0,88		6,6	50	8	35	3	☺
	DB133-05-00.900A0-	0,9		6,6	50	8	35	3	☺
	DB133-05-00.950A0-	0,95		7,5	50	9	34	3	☺
	DB133-05-01.000A0-	1		7,5	50	9	34	3	☺
	DB133-05-01.050A0-	1,05		7	51	9	36	3	☺
	DB133-05-01.080A0-	1,08		7	51	9	36	3	☺
	DB133-05-01.100A0-	1,1		7	51	9	36	3	☺
	DB133-05-01.150A0-	1,15		8	51	10	35	3	☺
	DB133-05-01.191A0-	1,191	3/64"	8	51	10	35	3	☺
	DB133-05-01.200A0-	1,2		8	51	10	35	3	☺
	DB133-05-01.250A0-	1,25		9	51	11	34	3	☺
	DB133-05-01.300A0-	1,3		9	53	11	36	3	☺
	DB133-05-01.350A0-	1,35		9	53	12	35	3	☺
	DB133-05-01.400A0-	1,4		9	53	12	35	3	☺
	DB133-05-01.450A0-	1,45		10	53	13	34	3	☺
	DB133-05-01.500A0-	1,5		10	53	13	34	3	☺
	DB133-05-01.550A0-	1,55		11	54	14	35	3	☺
	DB133-05-01.588A0-	1,588	1/16"	11	54	14	35	3	☺
	DB133-05-01.600A0-	1,6		11	54	14	35	3	☺
	DB133-05-01.650A0-	1,65		11	54	14	35	3	☺
	DB133-05-01.700A0-	1,7		11	54	14	35	3	☺
	DB133-05-01.750A0-	1,75		12	54	15	34	3	☺
	DB133-05-01.800A0-	1,8		12	54	15	34	3	☺
	DB133-05-01.820A0-	1,82		13	57	16	36	3	☺
DB133-05-01.850A0-	1,85		13	57	16	36	3	☺	
DB133-05-01.900A0-	1,9		13	57	16	36	3	☺	
DB133-05-01.950A0-	1,95		14	57	17	35	3	☺	

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

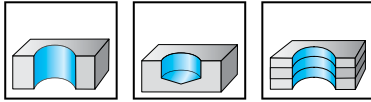
**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Tool		$D_c$ m7 mm	$D_c$ Inch/Nr	$L_c$ mm	$h$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30EL
<p>DIN 6535 HA</p>	DB133-05-01.984A0-	1,984	5/64"	14	57	17	35	3	☺
	DB133-05-02.000A0-	2		14	57	17	35	3	☺
	DB133-05-02.050A0-	2,05		14	57	18	35	3	☺
	DB133-05-02.100A0-	2,1		14	57	18	35	3	☺
	DB133-05-02.150A0-	2,15		15	57	19	34	3	☺
	DB133-05-02.200A0-	2,2		15	57	19	34	3	☺
	DB133-05-02.250A0-	2,25		16	59	20	35	3	☺
	DB133-05-02.300A0-	2,3		16	59	20	35	3	☺
	DB133-05-02.350A0-	2,35		16	59	20	35	3	☺
	DB133-05-02.381A0-	2,381	3/32"	16	59	20	35	3	☺
	DB133-05-02.400A0-	2,4		16	59	20	35	3	☺
	DB133-05-02.450A0-	2,45		17	59	21	34	3	☺
	DB133-05-02.500A0-	2,5		17	59	21	34	3	☺
	DB133-05-02.550A0-	2,55		18	62	22	36	3	☺
	DB133-05-02.600A0-	2,6		18	62	22	36	3	☺
	DB133-05-02.650A0-	2,65		18	62	23	36	3	☺
	DB133-05-02.700A0-	2,7		18	62	23	36	3	☺
	DB133-05-02.750A0-	2,75		19	62	24	35	3	☺
	DB133-05-02.778A0-	2,778	7/64"	19	62	24	35	3	☺
	DB133-05-02.800A0-	2,8		19	62	24	35	3	☺
DB133-05-02.850A0-	2,85		20	62	25	34	3	☺	
DB133-05-02.900A0-	2,9		20	62	25	34	3	☺	
DB133-05-02.950A0-	2,95		20	62	25	34	3	☺	

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

# Solid carbide micro twist drills

## DB130 Advance



	P	M	K	N	S	H	O
WJ30UU	●●	●●	●●	●●	●●		●●

B1

Tool	Designation	D <sub>c</sub> 0-0,004 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h8 mm	WJ30UU
	DB130-05-00.100U0-	0,1	0,3	25	0,5	1	☺
	DB130-05-00.110U0-	0,11	0,3	25	0,5	1	☺
	DB130-05-00.120U0-	0,12	0,3	25	0,5	1	☺
	DB130-05-00.130U0-	0,13	0,5	25	0,8	1	☺
	DB130-05-00.140U0-	0,14	0,5	25	0,8	1	☺
	DB130-05-00.150U0-	0,15	0,5	25	0,8	1	☺
	DB130-05-00.160U0-	0,16	0,8	25	1,1	1	☺
	DB130-05-00.170U0-	0,17	0,8	25	1,1	1	☺
	DB130-05-00.180U0-	0,18	0,8	25	1,1	1	☺
	DB130-05-00.190U0-	0,19	0,8	25	1,1	1	☺
	DB130-05-00.200U0-	0,2	1,1	25	1,5	1	☺
	DB130-05-00.210U0-	0,21	1,1	25	1,5	1	☺
	DB130-05-00.220U0-	0,22	1,1	25	1,5	1	☺
	DB130-05-00.230U0-	0,23	1,1	25	1,5	1	☺
	DB130-05-00.240U0-	0,24	1,1	25	1,5	1	☺
	DB130-05-00.250U0-	0,25	1,4	25	1,9	1	☺
	DB130-05-00.260U0-	0,26	1,4	25	1,9	1	☺
	DB130-05-00.270U0-	0,27	1,4	25	1,9	1	☺
	DB130-05-00.280U0-	0,28	1,4	25	1,9	1	☺
	DB130-05-00.290U0-	0,29	1,4	25	1,9	1	☺
	DB130-05-00.300U0-	0,3	1,4	25	1,9	1	☺
	DB130-05-00.310U0-	0,31	1,8	25	2,4	1	☺
	DB130-05-00.320U0-	0,32	1,8	25	2,4	1	☺
	DB130-05-00.330U0-	0,33	1,8	25	2,4	1	☺
	DB130-05-00.340U0-	0,34	1,8	25	2,4	1	☺
	DB130-05-00.350U0-	0,35	1,8	25	2,4	1	☺
	DB130-05-00.360U0-	0,36	1,8	25	2,4	1	☺
	DB130-05-00.370U0-	0,37	1,8	25	2,4	1	☺
	DB130-05-00.380U0-	0,38	1,8	25	2,4	1	☺
	DB130-05-00.390U0-	0,39	2,2	25	3	1	☺
	DB130-05-00.400U0-	0,4	2,2	25	3	1	☺
	DB130-05-00.410U0-	0,41	2,2	25	3	1	☺
	DB130-05-00.420U0-	0,42	2,2	25	3	1	☺
	DB130-05-00.430U0-	0,43	2,2	25	3	1	☺
	DB130-05-00.440U0-	0,44	2,2	25	3	1	☺
	DB130-05-00.450U0-	0,45	2,2	25	3	1	☺

Ordering example for the grade WJ30UU: DB130-05-00.100U0-WJ30UU

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

Tool		$D_c$ 0-0.004 mm	$L_c$ mm	$h$ mm	$l_2$ mm	$d_1$ h8 mm	WJ30UU
<p>Cylindrical shank</p>	Designation						
	DB130-05-00.460U0-	0,46	2,2	25	3	1	☺☺
	DB130-05-00.470U0-	0,47	2,2	25	3	1	☺☺
	DB130-05-00.480U0-	0,48	2,2	25	3	1	☺☺
	DB130-05-00.490U0-	0,49	2,6	25	3,4	1	☺☺
	DB130-05-00.500U0-	0,5	2,6	25	3,4	1	☺☺
	DB130-05-00.510U0-	0,51	2,6	25	3,4	1	☺☺
	DB130-05-00.520U0-	0,52	2,6	25	3,4	1	☺☺
	DB130-05-00.530U0-	0,53	2,6	25	3,4	1	☺☺
	DB130-05-00.540U0-	0,54	3	25	3,9	1	☺☺
	DB130-05-00.550U0-	0,55	3	25	3,9	1	☺☺
	DB130-05-00.560U0-	0,56	3	25	3,9	1	☺☺
	DB130-05-00.570U0-	0,57	3	25	3,9	1	☺☺
	DB130-05-00.580U0-	0,58	3	25	3,9	1	☺☺
	DB130-05-00.590U0-	0,59	3	25	3,9	1	☺☺
	DB130-05-00.600U0-	0,6	3	25	3,9	1	☺☺
	DB130-05-00.610U0-	0,61	3,1	25	4,2	1	☺☺
	DB130-05-00.620U0-	0,62	3,1	25	4,2	1	☺☺
	DB130-05-00.630U0-	0,63	3,1	25	4,2	1	☺☺
	DB130-05-00.640U0-	0,64	3,1	25	4,2	1	☺☺
	DB130-05-00.650U0-	0,65	3,1	25	4,2	1	☺☺
	DB130-05-00.660U0-	0,66	3,1	25	4,2	1	☺☺
	DB130-05-00.670U0-	0,67	3,1	25	4,2	1	☺☺
	DB130-05-00.680U0-	0,68	3,6	25	4,8	1	☺☺
	DB130-05-00.690U0-	0,69	3,6	25	4,8	1	☺☺
	DB130-05-00.700U0-	0,7	3,6	25	4,8	1	☺☺
	DB130-05-00.710U0-	0,71	3,6	25	4,8	1	☺☺
	DB130-05-00.720U0-	0,72	3,6	25	4,8	1	☺☺
	DB130-05-00.730U0-	0,73	3,6	25	4,8	1	☺☺
	DB130-05-00.740U0-	0,74	3,6	25	4,8	1	☺☺
	DB130-05-00.750U0-	0,75	3,6	25	4,8	1	☺☺
	DB130-05-00.760U0-	0,76	4,1	25	5,3	1	☺☺
	DB130-05-00.770U0-	0,77	4,1	25	5,3	1	☺☺
DB130-05-00.780U0-	0,78	4,1	25	5,3	1	☺☺	
DB130-05-00.790U0-	0,79	4,1	25	5,3	1	☺☺	
DB130-05-00.800U0-	0,8	4	25	5,3	1,5	☺☺	
DB130-05-00.810U0-	0,81	4	25	5,3	1,5	☺☺	
DB130-05-00.820U0-	0,82	4	25	5,3	1,5	☺☺	
DB130-05-00.830U0-	0,83	4	25	5,3	1,5	☺☺	
DB130-05-00.840U0-	0,84	4	25	5,3	1,5	☺☺	
DB130-05-00.850U0-	0,85	4	25	5,3	1,5	☺☺	
DB130-05-00.860U0-	0,86	4,5	25	6	1,5	☺☺	
DB130-05-00.870U0-	0,87	4,5	25	6	1,5	☺☺	
DB130-05-00.880U0-	0,88	4,5	25	6	1,5	☺☺	
DB130-05-00.890U0-	0,89	4,5	25	6	1,5	☺☺	
DB130-05-00.900U0-	0,9	4,5	25	6	1,5	☺☺	
DB130-05-00.910U0-	0,91	4,5	25	6	1,5	☺☺	

Ordering example for the grade WJ30UU: DB130-05-00.100U0-WJ30UU

Tool		$D_c$ 0-0,004 mm	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ h8 mm	WJ30UU
<p>Cylindrical shank</p>	Designation						
	DB130-05-00.920U0-	0,92	4,5	25	6	1,5	☺
	DB130-05-00.930U0-	0,93	4,5	25	6	1,5	☺
	DB130-05-00.940U0-	0,94	4,5	25	6	1,5	☺
	DB130-05-00.950U0-	0,95	4,5	25	6	1,5	☺
	DB130-05-00.960U0-	0,96	5	25	6,8	1,5	☺
	DB130-05-00.970U0-	0,97	5	25	6,8	1,5	☺
	DB130-05-00.980U0-	0,98	5	25	6,8	1,5	☺
	DB130-05-00.990U0-	0,99	5	25	6,8	1,5	☺
	DB130-05-01.000U0-	1	5	25	6,8	1,5	☺
	DB130-05-01.050U0-	1,05	5	25	6,8	1,5	☺
	DB130-05-01.100U0-	1,1	5	25	7,6	1,5	☺
	DB130-05-01.150U0-	1,15	5	25	7,6	1,5	☺
	DB130-05-01.200U0-	1,2	6	25	8,5	1,5	☺
	DB130-05-01.250U0-	1,25	6	25	8,5	1,5	☺
	DB130-05-01.300U0-	1,3	6	25	8,5	1,5	☺
	DB130-05-01.350U0-	1,35	7	25	9,5	1,5	☺
	DB130-05-01.400U0-	1,4	7	25	9,5	1,5	☺
	DB130-05-01.450U0-	1,45	7	25	9,5	1,5	☺

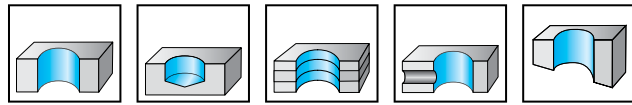
Ordering example for the grade WJ30UU: DB130-05-00.100U0-WJ30UU

B1

**WALTER SELECT**

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

**Solid carbide twist drills**  
**DC160 Advance**  
**X-treme Evo**



B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
 DIN 6535 HA	DC160-05-03.000A0-	3		23	66	28	36	6	☹
	DC160-05-03.100A0-	3,1		23	66	28	36	6	☹
	DC160-05-03.175A0-	3,175	1/8"	23	66	28	36	6	☹
	DC160-05-03.200A0-	3,2		23	66	28	36	6	☹
	DC160-05-03.250A0-	3,25		23	66	28	36	6	☹
	DC160-05-03.300A0-	3,3		23	66	28	36	6	☹
	DC160-05-03.400A0-	3,4		23	66	28	36	6	☹
	DC160-05-03.500A0-	3,5		23	66	28	36	6	☹
	DC160-05-03.572A0-	3,572	9/64"	23	66	28	36	6	☹
	DC160-05-03.600A0-	3,6		23	66	28	36	6	☹
	DC160-05-03.650A0-	3,65		23	66	28	36	6	☹
	DC160-05-03.700A0-	3,7		23	66	28	36	6	☹
	DC160-05-03.800A0-	3,8		29	74	36	36	6	☹
	DC160-05-03.900A0-	3,9		29	74	36	36	6	☹
	DC160-05-03.969A0-	3,969	5/32"	29	74	36	36	6	☹
	DC160-05-04.000A0-	4		29	74	36	36	6	☹
	DC160-05-04.100A0-	4,1		29	74	36	36	6	☹
	DC160-05-04.200A0-	4,2		29	74	36	36	6	☹
	DC160-05-04.300A0-	4,3		29	74	36	36	6	☹
	DC160-05-04.366A0-	4,366	11/64"	29	74	36	36	6	☹
	DC160-05-04.400A0-	4,4		29	74	36	36	6	☹
	DC160-05-04.500A0-	4,5		29	74	36	36	6	☹
	DC160-05-04.600A0-	4,6		29	74	36	36	6	☹
	DC160-05-04.650A0-	4,65		29	74	36	36	6	☹
	DC160-05-04.700A0-	4,7		29	74	36	36	6	☹
	DC160-05-04.763A0-	4,763	3/16"	35	82	44	36	6	☹
	DC160-05-04.800A0-	4,8		35	82	44	36	6	☹
	DC160-05-04.900A0-	4,9		35	82	44	36	6	☹
	DC160-05-05.000A0-	5		35	82	44	36	6	☹
	DC160-05-05.100A0-	5,1		35	82	44	36	6	☹
	DC160-05-05.159A0-	5,159	13/64"	35	82	44	36	6	☹
	DC160-05-05.200A0-	5,2		35	82	44	36	6	☹
	DC160-05-05.300A0-	5,3		35	82	44	36	6	☹
DC160-05-05.400A0-	5,4		35	82	44	36	6	☹	
DC160-05-05.500A0-	5,5		35	82	44	36	6	☹	
DC160-05-05.550A0-	5,55		35	82	44	36	6	☹	

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

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



Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HA</p>	DC160-05-05.556A0-	5,556	7/32"	35	82	44	36	6	☺
	DC160-05-05.600A0-	5,6		35	82	44	36	6	☺
	DC160-05-05.700A0-	5,7		35	82	44	36	6	☺
	DC160-05-05.800A0-	5,8		35	82	44	36	6	☺
	DC160-05-05.900A0-	5,9		35	82	44	36	6	☺
	DC160-05-05.953A0-	5,953	15/64"	35	82	44	36	6	☺
	DC160-05-06.000A0-	6		35	82	44	36	6	☺
	DC160-05-06.100A0-	6,1		43	91	53	36	8	☺
	DC160-05-06.200A0-	6,2		43	91	53	36	8	☺
	DC160-05-06.300A0-	6,3		43	91	53	36	8	☺
	DC160-05-06.350A0-	6,350	1/4"	43	91	53	36	8	☺
	DC160-05-06.400A0-	6,4		43	91	53	36	8	☺
	DC160-05-06.500A0-	6,5		43	91	53	36	8	☺
	DC160-05-06.600A0-	6,6		43	91	53	36	8	☺
	DC160-05-06.700A0-	6,7		43	91	53	36	8	☺
	DC160-05-06.747A0-	6,747	17/64"	43	91	53	36	8	☺
	DC160-05-06.800A0-	6,8		43	91	53	36	8	☺
	DC160-05-06.900A0-	6,9		43	91	53	36	8	☺
	DC160-05-07.000A0-	7		43	91	53	36	8	☺
	DC160-05-07.100A0-	7,1		43	91	53	36	8	☺
	DC160-05-07.144A0-	7,144	9/32"	43	91	53	36	8	☺
	DC160-05-07.200A0-	7,2		43	91	53	36	8	☺
	DC160-05-07.300A0-	7,3		43	91	53	36	8	☺
	DC160-05-07.400A0-	7,4		43	91	53	36	8	☺
	DC160-05-07.500A0-	7,5		43	91	53	36	8	☺
	DC160-05-07.541A0-	7,541	19/64"	43	91	53	36	8	☺
	DC160-05-07.550A0-	7,55		43	91	53	36	8	☺
	DC160-05-07.600A0-	7,6		43	91	53	36	8	☺
	DC160-05-07.700A0-	7,7		43	91	53	36	8	☺
	DC160-05-07.800A0-	7,8		43	91	53	36	8	☺
	DC160-05-07.900A0-	7,9		43	91	53	36	8	☺
	DC160-05-07.938A0-	7,938	5/16"	43	91	53	36	8	☺
	DC160-05-08.000A0-	8		43	91	53	36	8	☺
	DC160-05-08.100A0-	8,1		49	103	61	40	10	☺
DC160-05-08.200A0-	8,2		49	103	61	40	10	☺	
DC160-05-08.300A0-	8,3		49	103	61	40	10	☺	
DC160-05-08.334A0-	8,334	21/64"	49	103	61	40	10	☺	
DC160-05-08.400A0-	8,4		49	103	61	40	10	☺	
DC160-05-08.500A0-	8,5		49	103	61	40	10	☺	
DC160-05-08.600A0-	8,6		49	103	61	40	10	☺	
DC160-05-08.700A0-	8,7		49	103	61	40	10	☺	
DC160-05-08.731A0-	8,731	11/32"	49	103	61	40	10	☺	
DC160-05-08.800A0-	8,8		49	103	61	40	10	☺	
DC160-05-08.900A0-	8,9		49	103	61	40	10	☺	
DC160-05-09.000A0-	9		49	103	61	40	10	☺	
DC160-05-09.100A0-	9,1		49	103	61	40	10	☺	

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

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

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30ET
		m7 mm		mm	mm	mm	h6 mm		
<p>DIN 6535 HA</p>	DC160-05-09.128A0-	9,128	23/64"	49	103	61	40	10	☹
	DC160-05-09.300A0-	9,3		49	103	61	40	10	☹
	DC160-05-09.400A0-	9,4		49	103	61	40	10	☹
	DC160-05-09.500A0-	9,5		49	103	61	40	10	☹
	DC160-05-09.525A0-	9,525	3/8"	49	103	61	40	10	☹
	DC160-05-09.550A0-	9,55		49	103	61	40	10	☹
	DC160-05-09.600A0-	9,6		49	103	61	40	10	☹
	DC160-05-09.700A0-	9,7		49	103	61	40	10	☹
	DC160-05-09.800A0-	9,8		49	103	61	40	10	☹
	DC160-05-09.900A0-	9,9		49	103	61	40	10	☹
	DC160-05-09.922A0-	9,922	25/64"	49	103	61	40	10	☹
	DC160-05-10.000A0-	10		49	103	61	40	10	☹
	DC160-05-10.100A0-	10,1		56	118	71	45	12	☹
	DC160-05-10.200A0-	10,2		56	118	71	45	12	☹
	DC160-05-10.300A0-	10,3		56	118	71	45	12	☹
	DC160-05-10.319A0-	10,319	13/32"	56	118	71	45	12	☹
	DC160-05-10.400A0-	10,4		56	118	71	45	12	☹
	DC160-05-10.500A0-	10,5		56	118	71	45	12	☹
	DC160-05-10.600A0-	10,6		56	118	71	45	12	☹
	DC160-05-10.700A0-	10,7		56	118	71	45	12	☹
	DC160-05-10.716A0-	10,716	27/64"	56	118	71	45	12	☹
	DC160-05-10.800A0-	10,8		56	118	71	45	12	☹
	DC160-05-10.900A0-	10,9		56	118	71	45	12	☹
	DC160-05-11.000A0-	11		56	118	71	45	12	☹
	DC160-05-11.100A0-	11,1		56	118	71	45	12	☹
	DC160-05-11.113A0-	11,113	7/16"	56	118	71	45	12	☹
	DC160-05-11.200A0-	11,2		56	118	71	45	12	☹
	DC160-05-11.400A0-	11,4		56	118	71	45	12	☹
	DC160-05-11.500A0-	11,5		56	118	71	45	12	☹
	DC160-05-11.509A0-	11,509	29/64"	56	118	71	45	12	☹
	DC160-05-11.550A0-	11,55		56	118	71	45	12	☹
	DC160-05-11.600A0-	11,6		56	118	71	45	12	☹
	DC160-05-11.700A0-	11,7		56	118	71	45	12	☹
	DC160-05-11.800A0-	11,8		56	118	71	45	12	☹
DC160-05-11.906A0-	11,906	15/32"	56	118	71	45	12	☹	
DC160-05-12.000A0-	12		56	118	71	45	12	☹	
DC160-05-12.100A0-	12,1		60	124	77	45	14	☹	
DC160-05-12.200A0-	12,2		60	124	77	45	14	☹	
DC160-05-12.250A0-	12,25		60	124	77	45	14	☹	
DC160-05-12.300A0-	12,3		60	124	77	45	14	☹	
DC160-05-12.400A0-	12,4		60	124	77	45	14	☹	
DC160-05-12.500A0-	12,5		60	124	77	45	14	☹	
DC160-05-12.600A0-	12,6		60	124	77	45	14	☹	
DC160-05-12.700A0-	12,700	1/2"	60	124	77	45	14	☹	
DC160-05-12.750A0-	12,75		60	124	77	45	14	☹	
DC160-05-12.800A0-	12,8		60	124	77	45	14	☹	

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

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HA</p>	DC160-05-12.900A0-	12,9		60	124	77	45	14	☺
	DC160-05-13.000A0-	13		60	124	77	45	14	☺
	DC160-05-13.100A0-	13,1		60	124	77	45	14	☺
	DC160-05-13.200A0-	13,2		60	124	77	45	14	☺
	DC160-05-13.300A0-	13,3		60	124	77	45	14	☺
	DC160-05-13.400A0-	13,4		60	124	77	45	14	☺
	DC160-05-13.494A0-	13,494	17/32"	60	124	77	45	14	☺
	DC160-05-13.500A0-	13,5		60	124	77	45	14	☺
	DC160-05-13.600A0-	13,6		60	124	77	45	14	☺
	DC160-05-13.700A0-	13,7		60	124	77	45	14	☺
	DC160-05-13.800A0-	13,8		60	124	77	45	14	☺
	DC160-05-13.900A0-	13,9		60	124	77	45	14	☺
	DC160-05-14.000A0-	14		60	124	77	45	14	☺
	DC160-05-14.100A0-	14,1		63	133	83	48	16	☺
	DC160-05-14.200A0-	14,2		63	133	83	48	16	☺
	DC160-05-14.288A0-	14,288	9/16"	63	133	83	48	16	☺
	DC160-05-14.500A0-	14,5		63	133	83	48	16	☺
	DC160-05-14.600A0-	14,6		63	133	83	48	16	☺
	DC160-05-14.700A0-	14,7		63	133	83	48	16	☺
	DC160-05-14.750A0-	14,75		63	133	83	48	16	☺
	DC160-05-14.800A0-	14,8		63	133	83	48	16	☺
	DC160-05-15.000A0-	15		63	133	83	48	16	☺
	DC160-05-15.100A0-	15,1		63	133	83	48	16	☺
	DC160-05-15.200A0-	15,2		63	133	83	48	16	☺
	DC160-05-15.300A0-	15,3		63	133	83	48	16	☺
	DC160-05-15.500A0-	15,5		63	133	83	48	16	☺
	DC160-05-15.700A0-	15,7		63	133	83	48	16	☺
	DC160-05-15.800A0-	15,8		63	133	83	48	16	☺
	DC160-05-15.875A0-	15,875	5/8"	63	133	83	48	16	☺
	DC160-05-15.900A0-	15,9		63	133	83	48	16	☺
	DC160-05-16.000A0-	16		63	133	83	48	16	☺
	DC160-05-16.100A0-	16,1		71	143	93	48	18	☺
	DC160-05-16.300A0-	16,3		71	143	93	48	18	☺
	DC160-05-16.500A0-	16,5		71	143	93	48	18	☺
DC160-05-16.600A0-	16,6		71	143	93	48	18	☺	
DC160-05-16.700A0-	16,7		71	143	93	48	18	☺	
DC160-05-16.750A0-	16,75		71	143	93	48	18	☺	
DC160-05-16.800A0-	16,8		71	143	93	48	18	☺	
DC160-05-17.000A0-	17		71	143	93	48	18	☺	
DC160-05-17.500A0-	17,5		71	143	93	48	18	☺	
DC160-05-17.700A0-	17,7		71	143	93	48	18	☺	
DC160-05-17.800A0-	17,8		71	143	93	48	18	☺	
DC160-05-18.000A0-	18		71	143	93	48	18	☺	
DC160-05-18.200A0-	18,2		77	153	101	50	20	☺	
DC160-05-18.700A0-	18,7		77	153	101	50	20	☺	
DC160-05-18.800A0-	18,8		77	153	101	50	20	☺	

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

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

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HA</p>	DC160-05-19.000A0-	19		77	153	101	50	20	☹
	DC160-05-19.050A0-	19,050	3/4"	77	153	101	50	20	☹
	DC160-05-20.000A0-	20		77	153	101	50	20	☹
	DC160-05-20.500A0-	20,5		86	166	108	56	25	☹
	DC160-05-21.000A0-	21		86	166	108	56	25	☹
	DC160-05-21.500A0-	21,5		86	166	108	56	25	☹
	DC160-05-22.000A0-	22		86	166	108	56	25	☹
	DC160-05-22.500A0-	22,5		91	173	115	56	25	☹
	DC160-05-23.000A0-	23		91	173	115	56	25	☹
	DC160-05-23.500A0-	23,5		91	173	115	56	25	☹
<p>DIN 6535 HE</p>	DC160-05-03.000F0-	3		23	66	28	36	6	☹
	DC160-05-03.100F0-	3,1		23	66	28	36	6	☹
	DC160-05-03.200F0-	3,2		23	66	28	36	6	☹
	DC160-05-03.250F0-	3,25		23	66	28	36	6	☹
	DC160-05-03.300F0-	3,3		23	66	28	36	6	☹
	DC160-05-03.400F0-	3,4		23	66	28	36	6	☹
	DC160-05-03.500F0-	3,5		23	66	28	36	6	☹
	DC160-05-03.600F0-	3,6		23	66	28	36	6	☹
	DC160-05-03.650F0-	3,65		23	66	28	36	6	☹
	DC160-05-03.700F0-	3,7		23	66	28	36	6	☹
	DC160-05-03.800F0-	3,8		29	74	36	36	6	☹
	DC160-05-03.900F0-	3,9		29	74	36	36	6	☹
	DC160-05-04.000F0-	4		29	74	36	36	6	☹
	DC160-05-04.100F0-	4,1		29	74	36	36	6	☹
	DC160-05-04.200F0-	4,2		29	74	36	36	6	☹
	DC160-05-04.300F0-	4,3		29	74	36	36	6	☹
	DC160-05-04.400F0-	4,4		29	74	36	36	6	☹
	DC160-05-04.500F0-	4,5		29	74	36	36	6	☹
	DC160-05-04.600F0-	4,6		29	74	36	36	6	☹
	DC160-05-04.650F0-	4,65		29	74	36	36	6	☹
	DC160-05-04.700F0-	4,7		29	74	36	36	6	☹
	DC160-05-04.800F0-	4,8		35	82	44	36	6	☹
	DC160-05-04.900F0-	4,9		35	82	44	36	6	☹
	DC160-05-05.000F0-	5		35	82	44	36	6	☹
	DC160-05-05.100F0-	5,1		35	82	44	36	6	☹
	DC160-05-05.200F0-	5,2		35	82	44	36	6	☹
	DC160-05-05.300F0-	5,3		35	82	44	36	6	☹
	DC160-05-05.400F0-	5,4		35	82	44	36	6	☹
	DC160-05-05.500F0-	5,5		35	82	44	36	6	☹
	DC160-05-05.550F0-	5,55		35	82	44	36	6	☹
DC160-05-05.600F0-	5,6		35	82	44	36	6	☹	
DC160-05-05.700F0-	5,7		35	82	44	36	6	☹	
DC160-05-05.800F0-	5,8		35	82	44	36	6	☹	

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

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HE</p>	DC160-05-05.900F0-	5,9		35	82	44	36	6	☺
	DC160-05-06.000F0-	6		35	82	44	36	6	☺
	DC160-05-06.100F0-	6,1		43	91	53	36	8	☺
	DC160-05-06.200F0-	6,2		43	91	53	36	8	☺
	DC160-05-06.300F0-	6,3		43	91	53	36	8	☺
	DC160-05-06.400F0-	6,4		43	91	53	36	8	☺
	DC160-05-06.500F0-	6,5		43	91	53	36	8	☺
	DC160-05-06.600F0-	6,6		43	91	53	36	8	☺
	DC160-05-06.700F0-	6,7		43	91	53	36	8	☺
	DC160-05-06.800F0-	6,8		43	91	53	36	8	☺
	DC160-05-06.900F0-	6,9		43	91	53	36	8	☺
	DC160-05-07.000F0-	7		43	91	53	36	8	☺
	DC160-05-07.100F0-	7,1		43	91	53	36	8	☺
	DC160-05-07.200F0-	7,2		43	91	53	36	8	☺
	DC160-05-07.300F0-	7,3		43	91	53	36	8	☺
	DC160-05-07.400F0-	7,4		43	91	53	36	8	☺
	DC160-05-07.500F0-	7,5		43	91	53	36	8	☺
	DC160-05-07.550F0-	7,55		43	91	53	36	8	☺
	DC160-05-07.600F0-	7,6		43	91	53	36	8	☺
	DC160-05-07.700F0-	7,7		43	91	53	36	8	☺
	DC160-05-07.800F0-	7,8		43	91	53	36	8	☺
	DC160-05-07.900F0-	7,9		43	91	53	36	8	☺
	DC160-05-08.000F0-	8		43	91	53	36	8	☺
	DC160-05-08.100F0-	8,1		49	103	61	40	10	☺
	DC160-05-08.200F0-	8,2		49	103	61	40	10	☺
	DC160-05-08.300F0-	8,3		49	103	61	40	10	☺
	DC160-05-08.400F0-	8,4		49	103	61	40	10	☺
	DC160-05-08.500F0-	8,5		49	103	61	40	10	☺
	DC160-05-08.600F0-	8,6		49	103	61	40	10	☺
	DC160-05-08.700F0-	8,7		49	103	61	40	10	☺
	DC160-05-08.800F0-	8,8		49	103	61	40	10	☺
	DC160-05-08.900F0-	8,9		49	103	61	40	10	☺
	DC160-05-09.000F0-	9		49	103	61	40	10	☺
DC160-05-09.100F0-	9,1		49	103	61	40	10	☺	
DC160-05-09.200F0-	9,2		49	103	61	40	10	☺	
DC160-05-09.300F0-	9,3		49	103	61	40	10	☺	
DC160-05-09.400F0-	9,4		49	103	61	40	10	☺	
DC160-05-09.500F0-	9,5		49	103	61	40	10	☺	
DC160-05-09.550F0-	9,55		49	103	61	40	10	☺	
DC160-05-09.600F0-	9,6		49	103	61	40	10	☺	
DC160-05-09.700F0-	9,7		49	103	61	40	10	☺	
DC160-05-09.800F0-	9,8		49	103	61	40	10	☺	
DC160-05-09.900F0-	9,9		49	103	61	40	10	☺	
DC160-05-10.000F0-	10		49	103	61	40	10	☺	
DC160-05-10.100F0-	10,1		56	118	71	45	12	☺	
DC160-05-10.200F0-	10,2		56	118	71	45	12	☺	

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

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

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HE</p>	DC160-05-10.300F0-	10,3		56	118	71	45	12	☹
	DC160-05-10.400F0-	10,4		56	118	71	45	12	☹
	DC160-05-10.500F0-	10,5		56	118	71	45	12	☹
	DC160-05-10.600F0-	10,6		56	118	71	45	12	☹
	DC160-05-10.700F0-	10,7		56	118	71	45	12	☹
	DC160-05-10.800F0-	10,8		56	118	71	45	12	☹
	DC160-05-10.900F0-	10,9		56	118	71	45	12	☹
	DC160-05-11.000F0-	11		56	118	71	45	12	☹
	DC160-05-11.100F0-	11,1		56	118	71	45	12	☹
	DC160-05-11.200F0-	11,2		56	118	71	45	12	☹
	DC160-05-11.300F0-	11,3		56	118	71	45	12	☹
	DC160-05-11.400F0-	11,4		56	118	71	45	12	☹
	DC160-05-11.500F0-	11,5		56	118	71	45	12	☹
	DC160-05-11.550F0-	11,55		56	118	71	45	12	☹
	DC160-05-11.600F0-	11,6		56	118	71	45	12	☹
	DC160-05-11.700F0-	11,7		56	118	71	45	12	☹
	DC160-05-11.800F0-	11,8		56	118	71	45	12	☹
	DC160-05-11.900F0-	11,9		56	118	71	45	12	☹
	DC160-05-12.000F0-	12		56	118	71	45	12	☹
	DC160-05-12.100F0-	12,1		60	124	77	45	14	☹
	DC160-05-12.200F0-	12,2		60	124	77	45	14	☹
	DC160-05-12.250F0-	12,25		60	124	77	45	14	☹
	DC160-05-12.300F0-	12,3		60	124	77	45	14	☹
	DC160-05-12.400F0-	12,4		60	124	77	45	14	☹
	DC160-05-12.500F0-	12,5		60	124	77	45	14	☹
	DC160-05-12.600F0-	12,6		60	124	77	45	14	☹
	DC160-05-12.700F0-	12,700	1/2"	60	124	77	45	14	☹
	DC160-05-12.750F0-	12,75		60	124	77	45	14	☹
	DC160-05-12.800F0-	12,8		60	124	77	45	14	☹
	DC160-05-12.900F0-	12,9		60	124	77	45	14	☹
	DC160-05-13.000F0-	13		60	124	77	45	14	☹
	DC160-05-13.100F0-	13,1		60	124	77	45	14	☹
	DC160-05-13.200F0-	13,2		60	124	77	45	14	☹
	DC160-05-13.300F0-	13,3		60	124	77	45	14	☹
DC160-05-13.400F0-	13,4		60	124	77	45	14	☹	
DC160-05-13.500F0-	13,5		60	124	77	45	14	☹	
DC160-05-13.600F0-	13,6		60	124	77	45	14	☹	
DC160-05-13.700F0-	13,7		60	124	77	45	14	☹	
DC160-05-13.800F0-	13,8		60	124	77	45	14	☹	
DC160-05-13.900F0-	13,9		60	124	77	45	14	☹	
DC160-05-14.000F0-	14		60	124	77	45	14	☹	
DC160-05-14.100F0-	14,1		63	133	83	48	16	☹	
DC160-05-14.200F0-	14,2		63	133	83	48	16	☹	
DC160-05-14.300F0-	14,3		63	133	83	48	16	☹	
DC160-05-14.400F0-	14,4		63	133	83	48	16	☹	
DC160-05-14.500F0-	14,5		63	133	83	48	16	☹	

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

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ET
<p>DIN 6535 HE</p>	DC160-05-14.600F0-	14,6		63	133	83	48	16	☺
	DC160-05-14.700F0-	14,7		63	133	83	48	16	☺
	DC160-05-14.750F0-	14,75		63	133	83	48	16	☺
	DC160-05-14.800F0-	14,8		63	133	83	48	16	☺
	DC160-05-15.000F0-	15		63	133	83	48	16	☺
	DC160-05-15.100F0-	15,1		63	133	83	48	16	☺
	DC160-05-15.200F0-	15,2		63	133	83	48	16	☺
	DC160-05-15.300F0-	15,3		63	133	83	48	16	☺
	DC160-05-15.500F0-	15,5		63	133	83	48	16	☺
	DC160-05-15.600F0-	15,6		63	133	83	48	16	☺
	DC160-05-15.700F0-	15,7		63	133	83	48	16	☺
	DC160-05-15.800F0-	15,8		63	133	83	48	16	☺
	DC160-05-15.900F0-	15,9		63	133	83	48	16	☺
	DC160-05-16.000F0-	16		63	133	83	48	16	☺
	DC160-05-16.100F0-	16,1		71	143	93	48	18	☺
	DC160-05-16.200F0-	16,2		71	143	93	48	18	☺
	DC160-05-16.300F0-	16,3		71	143	93	48	18	☺
	DC160-05-16.400F0-	16,4		71	143	93	48	18	☺
	DC160-05-16.500F0-	16,5		71	143	93	48	18	☺
	DC160-05-16.600F0-	16,6		71	143	93	48	18	☺
	DC160-05-16.700F0-	16,7		71	143	93	48	18	☺
	DC160-05-16.750F0-	16,75		71	143	93	48	18	☺
	DC160-05-16.800F0-	16,8		71	143	93	48	18	☺
	DC160-05-17.000F0-	17		71	143	93	48	18	☺
	DC160-05-17.200F0-	17,2		71	143	93	48	18	☺
	DC160-05-17.300F0-	17,3		71	143	93	48	18	☺
	DC160-05-17.500F0-	17,5		71	143	93	48	18	☺
	DC160-05-17.600F0-	17,6		71	143	93	48	18	☺
	DC160-05-17.700F0-	17,7		71	143	93	48	18	☺
	DC160-05-17.800F0-	17,8		71	143	93	48	18	☺
	DC160-05-18.000F0-	18		71	143	93	48	18	☺
	DC160-05-18.200F0-	18,2		77	153	101	50	20	☺
	DC160-05-18.500F0-	18,5		77	153	101	50	20	☺
	DC160-05-18.700F0-	18,7		77	153	101	50	20	☺
DC160-05-18.800F0-	18,8		77	153	101	50	20	☺	
DC160-05-19.000F0-	19		77	153	101	50	20	☺	
DC160-05-19.500F0-	19,5		77	153	101	50	20	☺	
DC160-05-19.700F0-	19,7		77	153	101	50	20	☺	
DC160-05-19.800F0-	19,8		77	153	101	50	20	☺	
DC160-05-20.000F0-	20		77	153	101	50	20	☺	
DC160-05-20.500F0-	20,5		86	166	108	56	25	☺	
DC160-05-21.000F0-	21		86	166	108	56	25	☺	
DC160-05-21.500F0-	21,5		86	166	108	56	25	☺	
DC160-05-22.000F0-	22		86	166	108	56	25	☺	
DC160-05-22.500F0-	22,5		91	173	115	56	25	☺	
DC160-05-23.000F0-	23		91	173	115	56	25	☺	

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

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

Tool		$D_c$ m7 mm	$D_c$ inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30ET
	DC160-05-23.500F0-	23,5		91	173	115	56	25	☺☺
	DC160-05-24.000F0-	24		91	173	115	56	25	☺☺
	DC160-05-24.500F0-	24,5		97	180	122	56	25	☺☺
	DC160-05-25.000F0-	25		97	180	122	56	25	☺☺

DIN 6535 HE

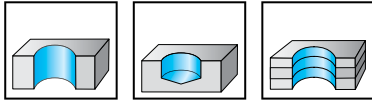
Ordering example for the grade WJ30ET: DC160-05-03.000A0-WJ30ET

B1



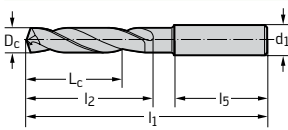
# Solid carbide twist drills

## DC150 Perform



	P	M	K	N	S	H	O
WJ30TA	●●	●	●●	●	●	●	●

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30TA
DC150-05-03.000A0-	3		23	66	28	36	6	☺
DC150-05-03.100A0-	3,1		23	66	28	36	6	☺
DC150-05-03.175A0-	3,175	1/8"	23	66	28	36	6	☺
DC150-05-03.200A0-	3,2		23	66	28	36	6	☺
DC150-05-03.250A0-	3,25		23	66	28	36	6	☺
DC150-05-03.300A0-	3,3		23	66	28	36	6	☺
DC150-05-03.400A0-	3,4		23	66	28	36	6	☺
DC150-05-03.500A0-	3,5		23	66	28	36	6	☺
DC150-05-03.600A0-	3,6		23	66	28	36	6	☺
DC150-05-03.650A0-	3,65		23	66	28	36	6	☺
DC150-05-03.700A0-	3,7		23	66	28	36	6	☺
DC150-05-03.800A0-	3,8		29	74	36	36	6	☺
DC150-05-03.900A0-	3,9		29	74	36	36	6	☺
DC150-05-03.969A0-	3,969	5/32"	29	74	36	36	6	☺
DC150-05-04.000A0-	4		29	74	36	36	6	☺
DC150-05-04.100A0-	4,1		29	74	36	36	6	☺
DC150-05-04.200A0-	4,2		29	74	36	36	6	☺
DC150-05-04.300A0-	4,3		29	74	36	36	6	☺
DC150-05-04.366A0-	4,366	11/64"	29	74	36	36	6	☺
DC150-05-04.400A0-	4,4		29	74	36	36	6	☺
DC150-05-04.500A0-	4,5		29	74	36	36	6	☺
DC150-05-04.600A0-	4,6		29	74	36	36	6	☺
DC150-05-04.650A0-	4,65		29	74	36	36	6	☺
DC150-05-04.700A0-	4,7		29	74	36	36	6	☺
DC150-05-04.763A0-	4,763	3/16"	35	82	44	36	6	☺
DC150-05-04.800A0-	4,8		35	82	44	36	6	☺
DC150-05-04.900A0-	4,9		35	82	44	36	6	☺
DC150-05-05.000A0-	5		35	82	44	36	6	☺
DC150-05-05.100A0-	5,1		35	82	44	36	6	☺
DC150-05-05.159A0-	5,159	13/64"	35	82	44	36	6	☺
DC150-05-05.200A0-	5,2		35	82	44	36	6	☺
DC150-05-05.300A0-	5,3		35	82	44	36	6	☺
DC150-05-05.400A0-	5,4		35	82	44	36	6	☺
DC150-05-05.500A0-	5,5		35	82	44	36	6	☺
DC150-05-05.550A0-	5,55		35	82	44	36	6	☺
DC150-05-05.556A0-	5,556	7/32"	35	82	44	36	6	☺

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

**WALTER  
SELECT**

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

B1

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$l_5$	$d_1$	WJ30TA
		m7 mm		mm	mm	mm	h6 mm		
 DIN 6535 HA	DC150-05-05.600A0-	5,6		35	82	44	36	6	☹
	DC150-05-05.700A0-	5,7		35	82	44	36	6	☹
	DC150-05-05.800A0-	5,8		35	82	44	36	6	☹
	DC150-05-05.900A0-	5,9		35	82	44	36	6	☹
	DC150-05-05.953A0-	5,953	15/64"	35	82	44	36	6	☹
	DC150-05-06.000A0-	6		35	82	44	36	6	☹
	DC150-05-06.100A0-	6,1		43	91	53	36	8	☹
	DC150-05-06.200A0-	6,2		43	91	53	36	8	☹
	DC150-05-06.300A0-	6,3		43	91	53	36	8	☹
	DC150-05-06.350A0-	6,350	1/4"	43	91	53	36	8	☹
	DC150-05-06.400A0-	6,4		43	91	53	36	8	☹
	DC150-05-06.500A0-	6,5		43	91	53	36	8	☹
	DC150-05-06.600A0-	6,6		43	91	53	36	8	☹
	DC150-05-06.700A0-	6,7		43	91	53	36	8	☹
	DC150-05-06.747A0-	6,747	17/64"	43	91	53	36	8	☹
	DC150-05-06.800A0-	6,8		43	91	53	36	8	☹
	DC150-05-06.900A0-	6,9		43	91	53	36	8	☹
	DC150-05-07.000A0-	7		43	91	53	36	8	☹
	DC150-05-07.100A0-	7,1		43	91	53	36	8	☹
	DC150-05-07.144A0-	7,144	9/32"	43	91	53	36	8	☹
	DC150-05-07.200A0-	7,2		43	91	53	36	8	☹
	DC150-05-07.300A0-	7,3		43	91	53	36	8	☹
	DC150-05-07.400A0-	7,4		43	91	53	36	8	☹
	DC150-05-07.500A0-	7,5		43	91	53	36	8	☹
	DC150-05-07.700A0-	7,7		43	91	53	36	8	☹
	DC150-05-07.800A0-	7,8		43	91	53	36	8	☹
	DC150-05-07.900A0-	7,9		43	91	53	36	8	☹
	DC150-05-07.938A0-	7,938	5/16"	43	91	53	36	8	☹
	DC150-05-08.000A0-	8		43	91	53	36	8	☹
	DC150-05-08.100A0-	8,1		49	103	61	40	10	☹
	DC150-05-08.200A0-	8,2		49	103	61	40	10	☹
	DC150-05-08.300A0-	8,3		49	103	61	40	10	☹
	DC150-05-08.334A0-	8,334	21/64"	49	103	61	40	10	☹
	DC150-05-08.400A0-	8,4		49	103	61	40	10	☹
DC150-05-08.500A0-	8,5		49	103	61	40	10	☹	
DC150-05-08.600A0-	8,6		49	103	61	40	10	☹	
DC150-05-08.700A0-	8,7		49	103	61	40	10	☹	
DC150-05-08.731A0-	8,731	11/32"	49	103	61	40	10	☹	
DC150-05-08.800A0-	8,8		49	103	61	40	10	☹	
DC150-05-08.900A0-	8,9		49	103	61	40	10	☹	
DC150-05-09.000A0-	9		49	103	61	40	10	☹	
DC150-05-09.100A0-	9,1		49	103	61	40	10	☹	
DC150-05-09.128A0-	9,128	23/64"	49	103	61	40	10	☹	
DC150-05-09.200A0-	9,2		49	103	61	40	10	☹	
DC150-05-09.300A0-	9,3		49	103	61	40	10	☹	
DC150-05-09.400A0-	9,4		49	103	61	40	10	☹	

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

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>1</sub>	WJ30TA
		m7 mm		mm	mm	mm	mm	h6 mm	
<p>DIN 6535 HA</p>	DC150-05-09.500A0-	9,5		49	103	61	40	10	☺
	DC150-05-09.525A0-	9,525	3/8"	49	103	61	40	10	☺
	DC150-05-09.600A0-	9,6		49	103	61	40	10	☺
	DC150-05-09.700A0-	9,7		49	103	61	40	10	☺
	DC150-05-09.800A0-	9,8		49	103	61	40	10	☺
	DC150-05-09.900A0-	9,9		49	103	61	40	10	☺
	DC150-05-09.922A0-	9,922	25/64"	49	103	61	40	10	☺
	DC150-05-10.000A0-	10		49	103	61	40	10	☺
	DC150-05-10.100A0-	10,1		56	118	71	45	12	☺
	DC150-05-10.200A0-	10,2		56	118	71	45	12	☺
	DC150-05-10.300A0-	10,3		56	118	71	45	12	☺
	DC150-05-10.319A0-	10,319	13/32"	56	118	71	45	12	☺
	DC150-05-10.400A0-	10,4		56	118	71	45	12	☺
	DC150-05-10.500A0-	10,5		56	118	71	45	12	☺
	DC150-05-10.600A0-	10,6		56	118	71	45	12	☺
	DC150-05-10.700A0-	10,7		56	118	71	45	12	☺
	DC150-05-10.716A0-	10,716	27/64"	56	118	71	45	12	☺
	DC150-05-10.800A0-	10,8		56	118	71	45	12	☺
	DC150-05-11.000A0-	11		56	118	71	45	12	☺
	DC150-05-11.113A0-	11,113	7/16"	56	118	71	45	12	☺
	DC150-05-11.200A0-	11,2		56	118	71	45	12	☺
	DC150-05-11.500A0-	11,5		56	118	71	45	12	☺
	DC150-05-11.800A0-	11,8		56	118	71	45	12	☺
	DC150-05-11.906A0-	11,906	15/32"	56	118	71	45	12	☺
	DC150-05-12.000A0-	12		56	118	71	45	12	☺
	DC150-05-12.200A0-	12,2		60	124	77	45	14	☺
	DC150-05-12.300A0-	12,3		60	124	77	45	14	☺
	DC150-05-12.400A0-	12,4		60	124	77	45	14	☺
	DC150-05-12.500A0-	12,5		60	124	77	45	14	☺
	DC150-05-12.600A0-	12,6		60	124	77	45	14	☺
	DC150-05-12.700A0-	12,700	1/2"	60	124	77	45	14	☺
	DC150-05-13.000A0-	13		60	124	77	45	14	☺
	DC150-05-13.200A0-	13,2		60	124	77	45	14	☺
	DC150-05-13.494A0-	13,494	17/32"	60	124	77	45	14	☺
DC150-05-13.500A0-	13,5		60	124	77	45	14	☺	
DC150-05-13.800A0-	13,8		60	124	77	45	14	☺	
DC150-05-14.000A0-	14		60	124	77	45	14	☺	
DC150-05-14.200A0-	14,2		63	133	83	48	16	☺	
DC150-05-14.288A0-	14,288	9/16"	63	133	83	48	16	☺	
DC150-05-14.500A0-	14,5		63	133	83	48	16	☺	
DC150-05-15.000A0-	15		63	133	83	48	16	☺	
DC150-05-15.500A0-	15,5		63	133	83	48	16	☺	
DC150-05-15.800A0-	15,8		63	133	83	48	16	☺	
DC150-05-16.000A0-	16		63	133	83	48	16	☺	
DC150-05-16.500A0-	16,5		71	143	93	48	18	☺	
DC150-05-17.000A0-	17		71	143	93	48	18	☺	

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

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

B1

Tool		$D_c$ m7 mm	$D_c$ inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30TA
	DC150-05-17.500A0-	17,5		71	143	93	48	18	☺☺
	DC150-05-18.000A0-	18		71	143	93	48	18	☺☺
	DC150-05-19.000A0-	19		77	153	101	50	20	☺☺
	DC150-05-19.500A0-	19,5		77	153	101	50	20	☺☺
	DC150-05-20.000A0-	20		77	153	101	50	20	☺☺

DIN 6535 HA

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

B1

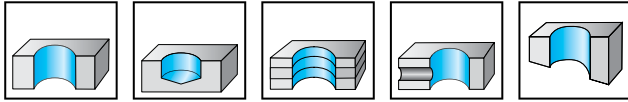
# Solid carbide countersinkers

## A3367

### BSX



- SX ground tip



uncoated	P	M	K	N	S	H	O
			●●	●●	●		●

B1

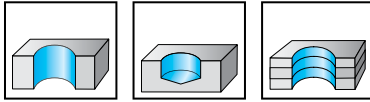
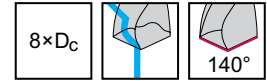
Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm
<p>DIN 6535 HA</p>	A3367-3	3		23	66	28	36	6
	A3367-3.15	3,15		23	66	28	36	6
	A3367-1/8IN	3,175	1/8"	23	66	28	36	6
	A3367-3.3	3,3		23	66	28	36	6
	A3367-3.5	3,5		23	66	28	36	6
	A3367-3.7	3,7		23	66	28	36	6
	A3367-3.8	3,8		29	74	36	36	6
	A3367-5/32IN	3,969	5/32"	29	74	36	36	6
	A3367-4	4		29	74	36	36	6
	A3367-4.2	4,2		29	74	36	36	6
	A3367-4.3	4,3		29	74	36	36	6
	A3367-4.45	4,45		29	74	36	36	6
	A3367-4.5	4,5		29	74	36	36	6
A3367-4.65	4,65		29	74	36	36	6	
A3367-3/16IN	4,763	3/16"	35	82	44	36	6	
A3367-5	5		35	82	44	36	6	
A3367-13/64IN	5,159	13/64"	35	82	44	36	6	
A3367-5.5	5,5		35	82	44	36	6	
A3367-5.55	5,55		35	82	44	36	6	
A3367-5.75	5,75		35	82	44	36	6	
A3367-5.9	5,9		35	82	44	36	6	
A3367-6	6		35	82	44	36	6	
A3367-6.55	6,55		43	91	53	36	8	
A3367-17/64IN	6,747	17/64"	43	91	53	36	8	
A3367-6.8	6,8		43	91	53	36	8	
A3367-7	7		43	91	53	36	8	
A3367-7.25	7,25		43	91	53	36	8	
A3367-8	8		43	91	53	36	8	
A3367-8.5	8,5		49	103	61	40	10	
A3367-9	9		49	103	61	40	10	
A3367-25/64IN	9,922	25/64"	49	103	61	40	10	
A3367-10	10		49	103	61	40	10	
A3367-10.2	10,2		56	118	71	45	12	
A3367-11	11		56	118	71	45	12	
A3367-12	12		56	118	71	45	12	
A3367-13	13		60	124	77	45	14	
A3367-13.5	13,5		60	124	77	45	14	
A3367-15	15		63	133	83	48	16	
A3367-16	16		63	133	83	48	16	

DIN 6535 HA

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

# Solid carbide micro twist drills

## DB133 Supreme



	P	M	K	N	S	H	O
WJ30ER	●●		●●	●●	●	●	●

B1

Tool	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ER
<p>DIN 6535 HA</p>	DB133-08-00.500A0-	0,5		5,2	48	6	35	3	●●
	DB133-08-00.600A0-	0,6		6,1	48	7	34	3	●●
	DB133-08-00.700A0-	0,7		6,9	50	8	35	3	●●
	DB133-08-00.750A0-	0,75		7,8	50	9	34	3	●●
	DB133-08-00.794A0-	0,794	1/32"	7,8	50	9	34	3	●●
	DB133-08-00.800A0-	0,8		7,8	50	9	34	3	●●
	DB133-08-00.880A0-	0,88		8,6	53	10	36	3	●●
	DB133-08-00.900A0-	0,9		8,6	53	10	36	3	●●
	DB133-08-00.950A0-	0,95		10,5	53	12	34	3	●●
	DB133-08-01.000A0-	1		10,5	53	12	34	3	●●
	DB133-08-01.050A0-	1,05		11	54	13	35	3	●●
	DB133-08-01.100A0-	1,1		11	54	13	35	3	●●
	DB133-08-01.191A0-	1,191	3/64"	12	54	14	34	3	●●
	DB133-08-01.200A0-	1,2		12	54	14	34	3	●●
	DB133-08-01.250A0-	1,25		12	54	14	34	3	●●
	DB133-08-01.300A0-	1,3		13	57	15	36	3	●●
	DB133-08-01.350A0-	1,35		13	57	16	35	3	●●
	DB133-08-01.400A0-	1,4		13	57	16	35	3	●●
	DB133-08-01.450A0-	1,45		14	57	17	34	3	●●
	DB133-08-01.500A0-	1,5		14	57	17	34	3	●●
	DB133-08-01.550A0-	1,55		15	60	18	37	3	●●
	DB133-08-01.588A0-	1,588	1/16"	15	60	18	37	3	●●
	DB133-08-01.600A0-	1,6		15	60	18	37	3	●●
	DB133-08-01.650A0-	1,65		17	60	20	35	3	●●
	DB133-08-01.700A0-	1,7		17	60	20	35	3	●●
	DB133-08-01.750A0-	1,75		18	60	21	34	3	●●
	DB133-08-01.800A0-	1,8		18	60	21	34	3	●●
	DB133-08-01.820A0-	1,82		19	63	22	36	3	●●
	DB133-08-01.850A0-	1,85		19	63	22	36	3	●●
	DB133-08-01.900A0-	1,9		19	63	22	36	3	●●
DB133-08-01.950A0-	1,95		20	63	23	35	3	●●	
DB133-08-01.984A0-	1,984	5/64"	20	63	23	35	3	●●	
DB133-08-02.000A0-	2		20	63	23	35	3	●●	
DB133-08-02.050A0-	2,05		20	63	24	35	3	●●	
DB133-08-02.100A0-	2,1		20	63	24	35	3	●●	
DB133-08-02.150A0-	2,15		21	63	25	34	3	●●	

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

**WALTER  
SELECT**

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

Tool		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30ER
<p>DIN 6535 HA</p>	DB133-08-02.200A0-	2,2		21	63	25	34	3	☺
	DB133-08-02.250A0-	2,25		22	67	26	37	3	☺
	DB133-08-02.300A0-	2,3		22	67	26	37	3	☺
	DB133-08-02.350A0-	2,35		24	67	28	35	3	☺
	DB133-08-02.381A0-	2,381	3/32"	24	67	28	35	3	☺
	DB133-08-02.400A0-	2,4		24	67	28	35	3	☺
	DB133-08-02.450A0-	2,45		25	67	29	34	3	☺
	DB133-08-02.500A0-	2,5		25	67	29	34	3	☺
	DB133-08-02.550A0-	2,55		26	71	30	37	3	☺
	DB133-08-02.600A0-	2,6		26	71	30	37	3	☺
	DB133-08-02.650A0-	2,65		26	71	31	37	3	☺
	DB133-08-02.700A0-	2,7		26	71	31	37	3	☺
	DB133-08-02.750A0-	2,75		27	71	32	36	3	☺
	DB133-08-02.778A0-	2,778	7/64"	27	71	32	36	3	☺
	DB133-08-02.800A0-	2,8		27	71	32	36	3	☺
	DB133-08-02.850A0-	2,85		28	71	33	35	3	☺
	DB133-08-02.900A0-	2,9		28	71	33	35	3	☺
	DB133-08-02.950A0-	2,95		29	71	34	34	3	☺

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

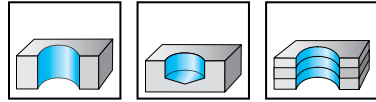
B1

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

Solid carbide twist drills

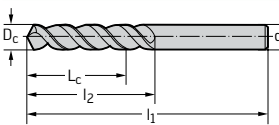
A1276TFL

Alpha® 22



TFL

B1

Tool	Designation	D <sub>c</sub> h7 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h6 mm
	A1276TFL-3	3	28	61	33	3
	A1276TFL-3.1	3.1	30	65	36	3.1
	A1276TFL-3.2	3.2	30	65	36	3.2
	A1276TFL-3.3	3.3	30	65	36	3.3
	A1276TFL-3.4	3.4	33	70	39	3.4
	A1276TFL-3.5	3.5	33	70	39	3.5
	A1276TFL-3.7	3.7	33	70	39	3.7
	A1276TFL-3.8	3.8	36	75	43	3.8
	A1276TFL-4	4	36	75	43	4
	A1276TFL-4.2	4.2	36	75	43	4.2
	A1276TFL-4.3	4.3	39	80	47	4.3
	A1276TFL-4.5	4.5	39	80	47	4.5
	A1276TFL-4.7	4.7	39	80	47	4.7
	A1276TFL-4.8	4.8	44	86	52	4.8
	A1276TFL-5	5	44	86	52	5
	A1276TFL-5.1	5.1	44	86	52	5.1
	A1276TFL-5.2	5.2	44	86	52	5.2
	A1276TFL-5.5	5.5	48	93	57	5.5
	A1276TFL-5.8	5.8	48	93	57	5.8
	A1276TFL-6	6	48	93	57	6
	A1276TFL-6.1	6.1	52	101	63	6.1
	A1276TFL-6.5	6.5	52	101	63	6.5
	A1276TFL-6.6	6.6	52	101	63	6.6
	A1276TFL-6.8	6.8	57	109	69	6.8
	A1276TFL-7	7	57	109	69	7
	A1276TFL-8	8	62	117	75	8
	A1276TFL-8.5	8.5	62	117	75	8.5
	A1276TFL-9	9	66	125	81	9
	A1276TFL-10	10	71	133	87	10
	A1276TFL-10.2	10.2	71	133	87	10.2

**WALTER**  
**SELECT**

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

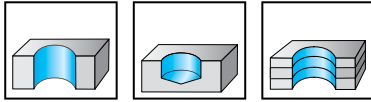


# Solid carbide twist drills

## A1263



- Type N



	P	M	K	N	S	H	O
uncoated			●	●●	●		●●

B1

Tool	Designation	D <sub>c</sub> h7 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h6 mm
<p>Cylindrical shank</p>	A1263-0.6	0,6	6,1	24	7	0,6
	A1263-0.7	0,7	7,8	28	9	0,7
	A1263-0.8	0,8	8,7	30	10	0,8
	A1263-0.9	0,9	9,5	32	11	0,9
	A1263-1	1	10	34	12	1
	A1263-1.1	1,1	12	36	14	1,1
	A1263-1.2	1,2	14	38	16	1,2
	A1263-1.3	1,3	14	38	16	1,3
	A1263-1.4	1,4	15	40	18	1,4
	A1263-1.5	1,5	15	40	18	1,5
	A1263-1.6	1,6	17	43	20	1,6
	A1263-1.7	1,7	17	43	20	1,7
	A1263-1.8	1,8	19	46	22	1,8
	A1263-1.9	1,9	19	46	22	1,9
	A1263-2	2	20	49	24	2
	A1263-2.1	2,1	20	49	24	2,1
	A1263-2.2	2,2	23	53	27	2,2
	A1263-2.3	2,3	23	53	27	2,3
	A1263-2.4	2,4	26	57	30	2,4
	A1263-2.5	2,5	26	57	30	2,5
	A1263-2.6	2,6	26	57	30	2,6
	A1263-2.7	2,7	28	61	33	2,7
	A1263-2.8	2,8	28	61	33	2,8
	A1263-2.9	2,9	28	61	33	2,9
	A1263-3	3	28	61	33	3
	A1263-3.1	3,1	30	65	36	3,1
	A1263-3.2	3,2	30	65	36	3,2
	A1263-3.3	3,3	30	65	36	3,3
	A1263-3.4	3,4	33	70	39	3,4
	A1263-3.5	3,5	33	70	39	3,5
	A1263-3.6	3,6	33	70	39	3,6
	A1263-3.7	3,7	33	70	39	3,7
	A1263-3.8	3,8	36	75	43	3,8
	A1263-3.9	3,9	36	75	43	3,9
	A1263-4	4	36	75	43	4
	A1263-4.1	4,1	36	75	43	4,1

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

Tool	Designation	D <sub>c</sub> h7 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h6 mm
<p>Cylindrical shank</p>	A1263-4.2	4,2	36	75	43	4,2
	A1263-4.3	4,3	39	80	47	4,3
	A1263-4.4	4,4	39	80	47	4,4
	A1263-4.5	4,5	39	80	47	4,5
	A1263-4.6	4,6	39	80	47	4,6
	A1263-4.7	4,7	39	80	47	4,7
	A1263-4.8	4,8	44	86	52	4,8
	A1263-4.9	4,9	44	86	52	4,9
	A1263-5	5	44	86	52	5
	A1263-5.1	5,1	44	86	52	5,1
	A1263-5.2	5,2	44	86	52	5,2
	A1263-5.3	5,3	44	86	52	5,3
	A1263-5.4	5,4	48	93	57	5,4
	A1263-5.5	5,5	48	93	57	5,5
	A1263-5.6	5,6	48	93	57	5,6
	A1263-5.7	5,7	48	93	57	5,7
	A1263-5.8	5,8	48	93	57	5,8
	A1263-5.9	5,9	48	93	57	5,9
	A1263-6	6	48	93	57	6
	A1263-6.1	6,1	52	101	63	6,1
	A1263-6.2	6,2	52	101	63	6,2
	A1263-6.3	6,3	52	101	63	6,3
	A1263-6.4	6,4	52	101	63	6,4
	A1263-6.5	6,5	52	101	63	6,5
	A1263-6.6	6,6	52	101	63	6,6
	A1263-6.7	6,7	52	101	63	6,7
	A1263-6.8	6,8	57	109	69	6,8
A1263-6.9	6,9	57	109	69	6,9	
A1263-7	7	57	109	69	7	
A1263-7.1	7,1	57	109	69	7,1	
A1263-7.2	7,2	57	109	69	7,2	
A1263-7.3	7,3	57	109	69	7,3	
A1263-7.4	7,4	57	109	69	7,4	
A1263-7.5	7,5	57	109	69	7,5	
A1263-7.6	7,6	62	117	75	7,6	
A1263-7.7	7,7	62	117	75	7,7	
A1263-7.8	7,8	62	117	75	7,8	
A1263-7.9	7,9	62	117	75	7,9	
A1263-8	8	62	117	75	8	
A1263-8.1	8,1	62	117	75	8,1	
A1263-8.2	8,2	62	117	75	8,2	
A1263-8.3	8,3	62	117	75	8,3	
A1263-8.4	8,4	62	117	75	8,4	
A1263-8.5	8,5	62	117	75	8,5	
A1263-8.6	8,6	66	125	81	8,6	
A1263-8.7	8,7	66	125	81	8,7	

Tool		$D_c$ h7 mm	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ h6 mm
<p>Cylindrical shank</p>	Designation					
	A1263-8.8	8,8	66	125	81	8,8
	A1263-8.9	8,9	66	125	81	8,9
	A1263-9	9	66	125	81	9
	A1263-9.1	9,1	66	125	81	9,1
	A1263-9.2	9,2	66	125	81	9,2
	A1263-9.3	9,3	66	125	81	9,3
	A1263-9.4	9,4	66	125	81	9,4
	A1263-9.5	9,5	66	125	81	9,5
	A1263-9.6	9,6	71	133	87	9,6
	A1263-9.7	9,7	71	133	87	9,7
	A1263-9.8	9,8	71	133	87	9,8
	A1263-9.9	9,9	71	133	87	9,9
	A1263-10	10	71	133	87	10
	A1263-10.2	10,2	71	133	87	10,2
	A1263-10.5	10,5	71	133	87	10,5
	A1263-10.8	10,8	76	142	94	10,8
	A1263-11	11	76	142	94	11
	A1263-11.2	11,2	76	142	94	11,2
	A1263-11.5	11,5	76	142	94	11,5
A1263-11.8	11,8	76	142	94	11,8	
A1263-12	12	87	151	101	12	

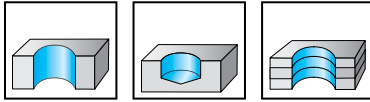
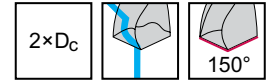
B1

**WALTER SELECT**

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

# Solid carbide micro pilot drills

## DB131 Supreme



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

B1

Tool	Designation	D <sub>c</sub> p7 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30EL
<p>DIN 6535 HA</p>	DB131-02-00.500A0-	0,5		2,2	47	3	37	3	☹
	DB131-02-00.600A0-	0,6		2,1	47	3	37	3	☹
	DB131-02-00.700A0-	0,7		2,9	48	4	39	3	☹
	DB131-02-00.750A0-	0,75		2,8	48	4	37	3	☹
	DB131-02-00.794A0-	0,794	1/32"	2,8	48	4	37	3	☹
	DB131-02-00.800A0-	0,8		2,8	48	4	37	3	☹
	DB131-02-00.850A0-	0,85		3,6	50	5	38	3	☹
	DB131-02-00.900A0-	0,9		3,6	50	5	38	3	☹
	DB131-02-00.950A0-	0,95		3,5	50	5	38	3	☹
	DB131-02-01.000A0-	1		3,5	50	5	38	3	☹
	DB131-02-01.050A0-	1,05		4	51	6	39	3	☹
	DB131-02-01.100A0-	1,1		4	51	6	39	3	☹
	DB131-02-01.150A0-	1,15		4	51	6	39	3	☹
	DB131-02-01.191A0-	1,191	3/64"	4	51	6	39	3	☹
	DB131-02-01.200A0-	1,2		4	51	6	39	3	☹
	DB131-02-01.250A0-	1,25		4	51	6	39	3	☹
	DB131-02-01.300A0-	1,3		5	53	7	40	3	☹
	DB131-02-01.350A0-	1,35		4	53	7	40	3	☹
	DB131-02-01.400A0-	1,4		4	53	7	40	3	☹
	DB131-02-01.450A0-	1,45		5	53	8	39	3	☹
	DB131-02-01.500A0-	1,5		5	53	8	39	3	☹
	DB131-02-01.550A0-	1,55		5	54	8	41	3	☹
	DB131-02-01.588A0-	1,588	1/16"	5	54	8	41	3	☹
	DB131-02-01.600A0-	1,6		5	54	8	41	3	☹
	DB131-02-01.650A0-	1,65		6	54	9	40	3	☹
	DB131-02-01.700A0-	1,7		6	54	9	40	3	☹
	DB131-02-01.750A0-	1,75		6	54	9	40	3	☹
	DB131-02-01.800A0-	1,8		6	54	9	40	3	☹
	DB131-02-01.850A0-	1,85		7	57	10	42	3	☹
	DB131-02-01.900A0-	1,9		7	57	10	42	3	☹
	DB131-02-01.950A0-	1,95		7	57	10	42	3	☹
	DB131-02-01.984A0-	1,984	5/64"	7	57	10	42	3	☹

Ordering example for the grade WJ30EL: DB131-02-00.500A0-WJ30EL

**WALTER  
SELECT**

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

# Drilling/chamfering tools

Machining



Drilling depth



Designation

D4580  
Xtra-tec®

Effective cutting edges

2

Diameter range

[mm]

4-16

[inch]

0,157-0,630

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

Indexable insert types



VC .

Number of cutting edges

2

Page in catalogue

B 207

QR code



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

D4580

**WALTER SELECT**

●● Primary application ● Other application

B1

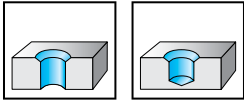
# Chamfering tool

D4580 inch

Xtra-tec®



Z=2



B1

	P	M	K	N	S	H	O
D4580	●●	●●	●●	●●	●●	●●	●●

## Tool

Designation	D <sub>c min</sub> inch	D <sub>c max</sub> inch	d <sub>11</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	lbs	No. of inserts	Type
D4580.45-06.00A13-VC09	0,157	0,236	0,236	0,500	0,827	1,000	1,614	0,066	2	VC .. 09 ..
D4580.45-08.00A15-VC09	0,24	0,315	0,315	0,625	0,984	1,000	1,752	0,088	2	
D4580.45-10.00A15-VC09	0,319	0,394	0,394	0,625	0,984	1,000	1,752	0,11	2	
D4580.45-12.00A19-VC09	0,398	0,472	0,472	0,750	1,102	1,000	1,831	0,132	2	
D4580.45-14.00A19-VC09	0,476	0,551	0,551	0,750	1,181	1,000	1,831	0,154	2	
D4580.45-16.00A26-VC09	0,555	0,630	0,630	1,000	1,260	1,339	2,087	0,516	2	

Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	D <sub>c min</sub> [inch]	0,157–0,555
Cartridge		FK390
Clamping screw for indexable insert Tightening torque		FS2111 (T7IP) 0,664 lbs
Adjusting screw		FS2029 (SW 1,5)

## Accessories

	D <sub>c min</sub> [inch]	0,157–0,555
Torx key		FS1490 (T7IP)
Keys		ISO2936-1,5 (SW 1,5)

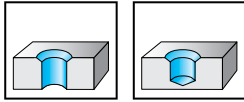
# Chamfering tool

D4580

Xtra-tec®



Z=2



	P	M	K	N	S	H	O
D4580	●●	●●	●●	●●	●●		

B1

Tool	Designation	D <sub>c min</sub> mm	D <sub>c max</sub> mm	d <sub>11</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	kg	No. of inserts	Type
<p>Cylindrical shank with collar</p>	D4580-45-06.00A12-VC09	4	6	6	12	21	25	41	0,03	2	VC .. 09 ..
	D4580-45-08.00A16-VC09	6,1	8	8	16	25	25	44,5	0,04	2	
	D4580-45-10.00A16-VC09	8,1	10	10	16	25	25	44,5	0,11	2	
	D4580-45-12.00A20-VC09	10,1	12	12	20	28	25	46,5	0,06	2	
	D4580-45-14.00A20-VC09	12,1	14	14	20	30	25	46,5	0,07	2	
	D4580-45-16.00A25-VC09	14,1	16	16	25	32	34	53	0,08	2	

Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	D <sub>c min</sub> [mm]	4-14,1
Cartridge		FK390
Clamping screw for indexable insert Tightening torque		FS2111 (T7IP) 0,9 Nm
Adjusting screw		FS2029 (SW 1,5)

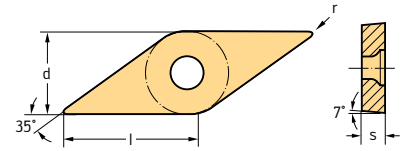
## Accessories

	D <sub>c min</sub> [mm]	4-14,1
Torx key		FS1490 (T7IP)
Keys		ISO2936-1,5 (SW 1,5)

WALTER  
SELECT


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

**Positive rhombic 35°**  
**VCGX**  
**Tiger-tec® Gold**



**Indexable inserts**

B1

Designation	Number of cutting edges	l mm	r mm	s mm	d mm	P		M		K		S	
						WXP30	WSP45G	HC	HC	HC	HC	HC	HC
 VCGX0902ACFR	2	9	0,2	2,5	5,556	✔	✔	✔	✔	✔	✔	✔	✔

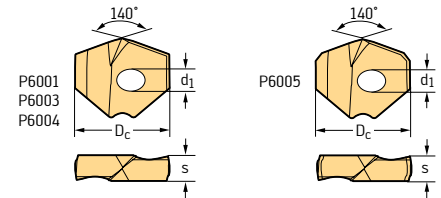
Ordering example for the grade WSP45G: VCGX0902ACFR WSP45G

HC = Coated carbide



# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	HC	HC	HC	HC
P6001-D12,00R	1	12	A	3	3,6			⊕			
P6001-D12,10R	1	12,1	A	3	3,6			⊕			
P6001-D12,20R	1	12,2	A	3	3,6			⊕			
P6001-D12,30R	1	12,3	A	3	3,6			⊕			
P6001-D12,40R	1	12,4	A	3	3,6			⊕			
P6001-D12,50R	1	12,5	A	3	3,6			⊕			
P6001-D12,60R	1	12,6	A	3	3,6			⊕			
P6001-D12,70R	1	12,7	A	3	3,6			⊕			
P6001-D12,80R	1	12,8	A	3	3,6			⊕			
P6001-D12,90R	1	12,9	A	3	3,6			⊕			
P6001-D12,95R	1	12,95	A	3	3,6			⊕			
P6001-D13,00R	1	13	A	3	3,6			⊕			
P6001-D13,11R	1	13,11	A	3	3,6			⊕			
P6001-D13,20R	1	13,2	A	3	3,6			⊕			
P6001-D13,25R	1	13,25	A	3	3,6			⊕			
P6001-D13,30R	1	13,3	A	3	3,6			⊕			
P6001-D13,40R	1	13,4	A	3	3,6			⊕			
P6001-D13,50R	1	13,5	A	3	3,6			⊕			
P6001-D13,60R	1	13,6	A	3	3,6			⊕			
P6001-D13,70R	1	13,7	A	3	3,6			⊕			
P6001-D13,80R	1	13,8	A	3	3,6			⊕			
P6001-D13,89R	1	13,89	A	3	3,6			⊕			
P6001-D14,00R	1	14	B	3	4			⊕			
P6001-D14,10R	1	14,1	B	3	4			⊕			
P6001-D14,20R	1	14,2	B	3	4			⊕			
P6001-D14,30R	1	14,3	B	3	4			⊕			
P6001-D14,40R	1	14,4	B	3	4			⊕			
P6001-D14,50R	1	14,5	B	3	4			⊕			
P6001-D14,60R	1	14,6	B	3	4			⊕			
P6001-D14,68R	1	14,68	B	3	4			⊕			
P6001-D14,80R	1	14,8	B	3	4			⊕			
P6001-D14,90R	1	14,9	B	3	4			⊕			
P6001-D15,00R	1	15	B	3	4			⊕			
P6001-D15,09R	1	15,09	B	3	4			⊕			
P6001-D15,20R	1	15,2	B	3	4			⊕			
P6001-D15,30R	1	15,3	B	3	4			⊕			
P6001-D15,40R	1	15,4	B	3	4			⊕			
P6001-D15,47R	1	15,47	B	3	4			⊕			
P6001-D15,50R	1	15,5	B	3	4			⊕			
P6001-D15,60R	1	15,6	B	3	4			⊕			
P6001-D15,70R	1	15,7	B	3	4			⊕			
P6001-D15,80R	1	15,8	B	3	4			⊕			
P6001-D15,87R	1	15,87	B	3	4			⊕			

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

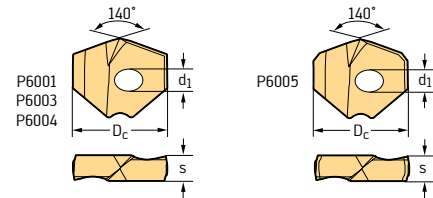
HC = Coated carbide

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

B1

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

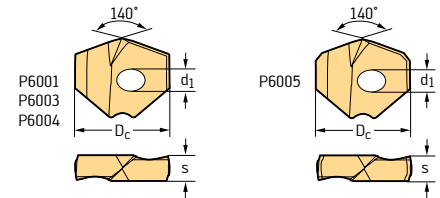
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P			M	K	N	S
						HC			HC	HC	HC	HC
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25	WMP35
P6001-D16,00R	1	16	C	4	4,5			⊗				
P6001-D16,13R	1	16,13	C	4	4,5			⊗				
P6001-D16,26R	1	16,26	C	4	4,5			⊗				
P6001-D16,43R	1	16,43	C	4	4,5			⊗				
P6001-D16,50R	1	16,5	C	4	4,5			⊗				
P6001-D16,66R	1	16,66	C	4	4,5			⊗				
P6001-D16,70R	1	16,7	C	4	4,5			⊗				
P6001-D17,00R	1	17	C	4	4,5			⊗				
P6001-D17,07R	1	17,07	C	4	4,5			⊗				
P6001-D17,20R	1	17,2	C	4	4,5			⊗				
P6001-D17,45R	1	17,45	C	4	4,5			⊗				
P6001-D17,50R	1	17,5	C	4	4,5			⊗				
P6001-D17,70R	1	17,7	C	4	4,5			⊗				
P6001-D17,86R	1	17,86	C	4	4,5			⊗				
P6001-D18,00R	1	18	D	4	5			⊗				
P6001-D18,24R	1	18,24	D	4	5			⊗				
P6001-D18,50R	1	18,5	D	4	5			⊗				
P6001-D18,65R	1	18,65	D	4	5			⊗				
P6001-D18,70R	1	18,7	D	4	5			⊗				
P6001-D18,80R	1	18,8	D	4	5			⊗				
P6001-D19,00R	1	19	D	4	5			⊗				
P6001-D19,05R	1	19,05	D	4	5			⊗				
P6001-D19,20R	1	19,2	D	4	5			⊗				
P6001-D19,25R	1	19,25	D	4	5			⊗				
P6001-D19,30R	1	19,3	D	4	5			⊗				
P6001-D19,43R	1	19,43	D	4	5			⊗				
P6001-D19,50R	1	19,5	D	4	5			⊗				
P6001-D19,60R	1	19,6	D	4	5			⊗				
P6001-D19,70R	1	19,7	D	4	5			⊗				
P6001-D19,84R	1	19,84	D	4	5			⊗				
P6001-D20,00R	1	20	E	5	5,5			⊗				
P6001-D20,20R	1	20,2	E	5	5,5			⊗				
P6001-D20,24R	1	20,24	E	5	5,5			⊗				
P6001-D20,50R	1	20,5	E	5	5,5			⊗				
P6001-D20,62R	1	20,62	E	5	5,5			⊗				
P6001-D20,70R	1	20,7	E	5	5,5			⊗				
P6001-D21,00R	1	21	E	5	5,5			⊗				
P6001-D21,41R	1	21,41	E	5	5,5			⊗				
P6001-D21,50R	1	21,5	E	5	5,5			⊗				
P6001-D21,70R	1	21,7	E	5	5,5			⊗				
P6001-D21,83R	1	21,83	E	5	5,5			⊗				
P6001-D22,00R	1	22	F	5	6			⊗				
P6001-D22,22R	1	22,22	F	5	6			⊗				

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

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

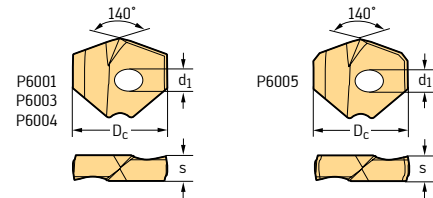
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	HC	HC	HC	HC
P6001-D22,42R	1	22,42	F	5	6			⊕			
P6001-D22,47R	1	22,47	F	5	6			⊕			
P6001-D22,50R	1	22,5	F	5	6			⊕			
P6001-D22,62R	1	22,62	F	5	6			⊕			
P6001-D22,70R	1	22,7	F	5	6			⊕			
P6001-D22,77R	1	22,77	F	5	6			⊕			
P6001-D23,00R	1	23	F	5	6			⊕			
P6001-D23,39R	1	23,39	F	5	6			⊕			
P6001-D23,50R	1	23,5	F	5	6			⊕			
P6001-D23,70R	1	23,7	F	5	6			⊕			
P6001-D23,80R	1	23,8	F	5	6			⊕			
P6001-D24,00R	1	24	G	5	6,5			⊕			
P6001-D24,21R	1	24,21	G	5	6,5			⊕			
P6001-D24,50R	1	24,5	G	5	6,5			⊕			
P6001-D24,59R	1	24,59	G	5	6,5			⊕			
P6001-D24,70R	1	24,7	G	5	6,5			⊕			
P6001-D25,00R	1	25	G	5	6,5			⊕			
P6001-D25,25R	1	25,25	G	5	6,5			⊕			
P6001-D25,40R	1	25,4	G	5	6,5			⊕			
P6001-D25,50R	1	25,5	G	5	6,5			⊕			
P6001-D25,65R	1	25,65	G	5	6,5			⊕			
P6001-D25,70R	1	25,7	G	5	6,5			⊕			
P6001-D25,80R	1	25,8	G	5	6,5			⊕			
P6001-D26,00R	1	26	H	6	7,1			⊕			
P6001-D26,25R	1	26,25	H	6	7,1			⊕			
P6001-D26,50R	1	26,5	H	6	7,1			⊕			
P6001-D26,59R	1	26,59	H	6	7,1			⊕			
P6001-D27,00R	1	27	H	6	7,1			⊕			
P6001-D27,38R	1	27,38	H	6	7,1			⊕			
P6001-D27,50R	1	27,5	H	6	7,1			⊕			
P6001-D27,78R	1	27,78	H	6	7,1			⊕			
P6001-D28,00R	1	28	J	6	7,7			⊕			
P6001-D28,17R	1	28,17	J	6	7,7			⊕			
P6001-D28,50R	1	28,5	J	6	7,7			⊕			
P6001-D28,57R	1	28,57	J	6	7,7			⊕			
P6001-D29,00R	1	29	J	6	7,7			⊕			
P6001-D29,37R	1	29,37	J	6	7,7			⊕			
P6001-D29,50R	1	29,5	J	6	7,7			⊕			
P6001-D29,77R	1	29,77	J	6	7,7			⊕			
P6001-D30,00R	1	30	K	6	8			⊕			
P6001-D30,15R	1	30,15	K	6	8			⊕			
P6001-D30,50R	1	30,5	K	6	8			⊕			
P6001-D31,00R	1	31	K	6	8			⊕			

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

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

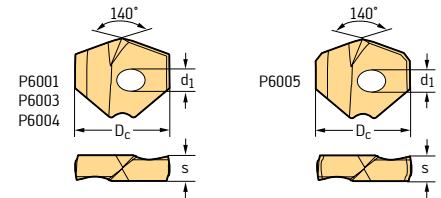
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P			M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC	HC
	P6001-D31,50R	1	31,5	K	6	8						
	P6001-D31,75R	1	31,75	K	6	8						
	P6001-D31,99R	1	31,99	K	6	8						
	P6001-D32,00R	1	32	M	6	8,3						
	P6001-D32,10R	1	32,1	M	6	8,3						
	P6001-D33,00R	1	33	M	6	8,3						
	P6001-D34,00R	1	34	N	6	8,6						
	P6001-D35,00R	1	35	N	6	8,6						
	P6001-D36,00R	1	36	P	6	8,9						
	P6001-D37,00R	1	37	P	6	8,9						
P6001-D37,99R	1	37,99	P	6	8,9							
	P6003-D12,00R	1	12	A	3	3,6						
	P6003-D12,10R	1	12,1	A	3	3,6						
	P6003-D12,20R	1	12,2	A	3	3,6						
	P6003-D12,30R	1	12,3	A	3	3,6						
	P6003-D12,40R	1	12,4	A	3	3,6						
	P6003-D12,50R	1	12,5	A	3	3,6						
	P6003-D12,60R	1	12,6	A	3	3,6						
	P6003-D12,70R	1	12,7	A	3	3,6						
	P6003-D12,80R	1	12,8	A	3	3,6						
	P6003-D12,90R	1	12,9	A	3	3,6						
	P6003-D12,95R	1	12,95	A	3	3,6						
	P6003-D13,00R	1	13	A	3	3,6						
	P6003-D13,11R	1	13,11	A	3	3,6						
	P6003-D13,20R	1	13,2	A	3	3,6						
	P6003-D13,25R	1	13,25	A	3	3,6						
	P6003-D13,30R	1	13,3	A	3	3,6						
	P6003-D13,40R	1	13,4	A	3	3,6						
	P6003-D13,50R	1	13,5	A	3	3,6						
	P6003-D13,60R	1	13,6	A	3	3,6						
	P6003-D13,70R	1	13,7	A	3	3,6						
	P6003-D13,80R	1	13,8	A	3	3,6						
	P6003-D13,89R	1	13,89	A	3	3,6						
	P6003-D14,00R	1	14	B	3	4						
	P6003-D14,10R	1	14,1	B	3	4						
	P6003-D14,20R	1	14,2	B	3	4						
	P6003-D14,30R	1	14,3	B	3	4						
	P6003-D14,40R	1	14,4	B	3	4						
	P6003-D14,50R	1	14,5	B	3	4						
	P6003-D14,60R	1	14,6	B	3	4						
	P6003-D14,68R	1	14,68	B	3	4						
P6003-D14,80R	1	14,8	B	3	4							
P6003-D14,90R	1	14,9	B	3	4							

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

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

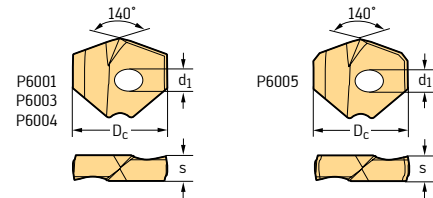
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC
P6003-D15,00R	1	15	B	3	4	☒	☒	☒			☒
P6003-D15,09R	1	15,09	B	3	4	☒	☒	☒			☒
P6003-D15,20R	1	15,2	B	3	4	☒	☒	☒			☒
P6003-D15,30R	1	15,3	B	3	4	☒	☒	☒			☒
P6003-D15,40R	1	15,4	B	3	4	☒	☒	☒			☒
P6003-D15,47R	1	15,47	B	3	4	☒	☒	☒			☒
P6003-D15,50R	1	15,5	B	3	4	☒	☒	☒			☒
P6003-D15,60R	1	15,6	B	3	4	☒	☒	☒			☒
P6003-D15,70R	1	15,7	B	3	4	☒	☒	☒			☒
P6003-D15,80R	1	15,8	B	3	4	☒	☒	☒			☒
P6003-D15,87R	1	15,87	B	3	4	☒	☒	☒			☒
P6003-D16,00R	1	16	C	4	4,5	☒	☒	☒			☒
P6003-D16,13R	1	16,13	C	4	4,5	☒	☒	☒			☒
P6003-D16,26R	1	16,26	C	4	4,5	☒	☒	☒			☒
P6003-D16,43R	1	16,43	C	4	4,5	☒	☒	☒			☒
P6003-D16,50R	1	16,5	C	4	4,5	☒	☒	☒			☒
P6003-D16,66R	1	16,66	C	4	4,5	☒	☒	☒			☒
P6003-D16,70R	1	16,7	C	4	4,5	☒	☒	☒			☒
P6003-D17,00R	1	17	C	4	4,5	☒	☒	☒			☒
P6003-D17,07R	1	17,07	C	4	4,5	☒	☒	☒			☒
P6003-D17,20R	1	17,2	C	4	4,5	☒	☒	☒			☒
P6003-D17,45R	1	17,45	C	4	4,5	☒	☒	☒			☒
P6003-D17,50R	1	17,5	C	4	4,5	☒	☒	☒			☒
P6003-D17,70R	1	17,7	C	4	4,5	☒	☒	☒			☒
P6003-D17,86R	1	17,86	C	4	4,5	☒	☒	☒			☒
P6003-D18,00R	1	18	D	4	5	☒	☒	☒			☒
P6003-D18,24R	1	18,24	D	4	5	☒	☒	☒			☒
P6003-D18,50R	1	18,5	D	4	5	☒	☒	☒			☒
P6003-D18,65R	1	18,65	D	4	5	☒	☒	☒			☒
P6003-D18,70R	1	18,7	D	4	5	☒	☒	☒			☒
P6003-D18,80R	1	18,8	D	4	5	☒	☒	☒			☒
P6003-D19,00R	1	19	D	4	5	☒	☒	☒			☒
P6003-D19,05R	1	19,05	D	4	5	☒	☒	☒			☒
P6003-D19,20R	1	19,2	D	4	5	☒	☒	☒			☒
P6003-D19,25R	1	19,25	D	4	5	☒	☒	☒			☒
P6003-D19,30R	1	19,3	D	4	5	☒	☒	☒			☒
P6003-D19,43R	1	19,43	D	4	5	☒	☒	☒			☒
P6003-D19,50R	1	19,5	D	4	5	☒	☒	☒			☒
P6003-D19,60R	1	19,6	D	4	5	☒	☒	☒			☒
P6003-D19,70R	1	19,7	D	4	5	☒	☒	☒			☒
P6003-D19,84R	1	19,84	D	4	5	☒	☒	☒			☒
P6003-D20,00R	1	20	E	5	5,5	☒	☒	☒			☒
P6003-D20,20R	1	20,2	E	5	5,5	☒	☒	☒			☒

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

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

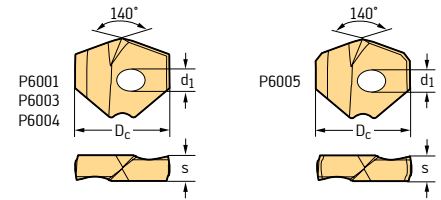
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC
P6003-D20,24R	1	20,24	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D20,50R	1	20,5	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D20,62R	1	20,62	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D20,70R	1	20,7	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D21,00R	1	21	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D21,41R	1	21,41	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D21,50R	1	21,5	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D21,70R	1	21,7	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D21,83R	1	21,83	E	5	5,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,00R	1	22	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,22R	1	22,22	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,42R	1	22,42	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,47R	1	22,47	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,50R	1	22,5	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,62R	1	22,62	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,70R	1	22,7	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D22,77R	1	22,77	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,00R	1	23	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,39R	1	23,39	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,50R	1	23,5	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,70R	1	23,7	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D23,80R	1	23,8	F	5	6	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,00R	1	24	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,21R	1	24,21	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,50R	1	24,5	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,59R	1	24,59	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D24,70R	1	24,7	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,00R	1	25	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,25R	1	25,25	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,40R	1	25,4	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,50R	1	25,5	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,65R	1	25,65	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,70R	1	25,7	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D25,80R	1	25,8	G	5	6,5	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D26,00R	1	26	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D26,25R	1	26,25	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D26,50R	1	26,5	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D26,59R	1	26,59	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D27,00R	1	27	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D27,38R	1	27,38	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D27,50R	1	27,5	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D27,78R	1	27,78	H	6	7,1	⊗	⊗	⊗	⊗	⊗	⊗
P6003-D28,00R	1	28	J	6	7,7	⊗	⊗	⊗	⊗	⊗	⊗

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

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC
	P6003-D28,17R	1	28,17	J	6	7,7	☒	☒			☒
	P6003-D28,50R	1	28,5	J	6	7,7	☒	☒			☒
	P6003-D28,57R	1	28,57	J	6	7,7	☒	☒			☒
	P6003-D29,00R	1	29	J	6	7,7	☒	☒			☒
	P6003-D29,37R	1	29,37	J	6	7,7	☒	☒			☒
	P6003-D29,50R	1	29,5	J	6	7,7	☒	☒			☒
	P6003-D29,77R	1	29,77	J	6	7,7	☒	☒			☒
	P6003-D30,00R	1	30	K	6	8	☒	☒			☒
	P6003-D30,15R	1	30,15	K	6	8	☒	☒			☒
	P6003-D30,50R	1	30,5	K	6	8	☒	☒			☒
	P6003-D31,00R	1	31	K	6	8	☒	☒			☒
	P6003-D31,50R	1	31,5	K	6	8	☒	☒			☒
	P6003-D31,75R	1	31,75	K	6	8	☒	☒			☒
	P6003-D31,99R	1	31,99	K	6	8	☒	☒			☒
	P6003-D32,00R	1	32	M	6	8,3	☒	☒			☒
	P6003-D32,10R	1	32,1	M	6	8,3	☒	☒			☒
	P6003-D33,00R	1	33	M	6	8,3	☒	☒			☒
P6003-D34,00R	1	34	N	6	8,6	☒	☒			☒	
P6003-D35,00R	1	35	N	6	8,6	☒	☒			☒	
P6003-D36,00R	1	36	P	6	8,9	☒	☒			☒	
P6003-D37,00R	1	37	P	6	8,9	☒	☒			☒	
P6003-D37,99R	1	37,99	P	6	8,9	☒	☒			☒	
	P6004-D12,00R	1	12	A	3	3,6					☒
	P6004-D12,50R	1	12,5	A	3	3,6					☒
	P6004-D13,00R	1	13	A	3	3,6					☒
	P6004-D13,50R	1	13,5	A	3	3,6					☒
	P6004-D14,00R	1	14	B	3	4					☒
	P6004-D14,50R	1	14,5	B	3	4					☒
	P6004-D14,80R	1	14,8	B	3	4					☒
	P6004-D15,00R	1	15	B	3	4					☒
	P6004-D15,50R	1	15,5	B	3	4					☒
	P6004-D16,00R	1	16	C	4	4,5					☒
	P6004-D16,50R	1	16,5	C	4	4,5					☒
	P6004-D16,66R	1	16,66	C	4	4,5					☒
	P6004-D17,00R	1	17	C	4	4,5					☒
	P6004-D17,50R	1	17,5	C	4	4,5					☒
	P6004-D17,70R	1	17,7	C	4	4,5					☒
	P6004-D18,00R	1	18	D	4	5					☒
	P6004-D18,50R	1	18,5	D	4	5					☒
	P6004-D18,65R	1	18,65	D	4	5					☒
	P6004-D19,00R	1	19	D	4	5					☒
	P6004-D19,50R	1	19,5	D	4	5					☒
	P6004-D19,70R	1	19,7	D	4	5					☒

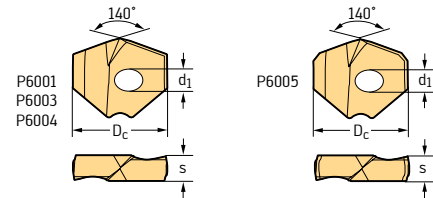
Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R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

HC = Coated carbide

B1



# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P			M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC	HC
 P6004-D19,84R	1	19,84	D	4	5							
P6004-D20,00R	1	20	E	5	5,5							
P6004-D20,50R	1	20,5	E	5	5,5							
P6004-D21,00R	1	21	E	5	5,5							
P6004-D21,50R	1	21,5	E	5	5,5							
P6004-D21,70R	1	21,7	E	5	5,5							
P6004-D22,00R	1	22	F	5	6							
P6004-D22,50R	1	22,5	F	5	6							
P6004-D23,00R	1	23	F	5	6							
P6004-D23,50R	1	23,5	F	5	6							
P6004-D24,00R	1	24	G	5	6,5							
P6004-D24,50R	1	24,5	G	5	6,5							
P6004-D25,00R	1	25	G	5	6,5							
P6004-D25,50R	1	25,5	G	5	6,5							
P6004-D26,00R	1	26	H	6	7,1							
P6004-D26,50R	1	26,5	H	6	7,1							
P6004-D27,00R	1	27	H	6	7,1							
P6004-D27,50R	1	27,5	H	6	7,1							
P6004-D28,00R	1	28	J	6	7,7							
P6004-D28,50R	1	28,5	J	6	7,7							
P6004-D29,00R	1	29	J	6	7,7							
P6004-D29,50R	1	29,5	J	6	7,7							
P6004-D30,00R	1	30	K	6	8							
P6004-D30,50R	1	30,5	K	6	8							
P6004-D31,00R	1	31	K	6	8							
P6004-D31,50R	1	31,5	K	6	8							
 P6005-D12,00R	1	12	A	3	3,6							
P6005-D12,10R	1	12,1	A	3	3,6							
P6005-D12,20R	1	12,2	A	3	3,6							
P6005-D12,30R	1	12,3	A	3	3,6							
P6005-D12,40R	1	12,4	A	3	3,6							
P6005-D12,50R	1	12,5	A	3	3,6							
P6005-D12,60R	1	12,6	A	3	3,6							
P6005-D12,70R	1	12,7	A	3	3,6							
P6005-D12,80R	1	12,8	A	3	3,6							
P6005-D12,90R	1	12,9	A	3	3,6							
P6005-D12,95R	1	12,95	A	3	3,6							
P6005-D13,00R	1	13	A	3	3,6							
P6005-D13,10R	1	13,1	A	3	3,6							
P6005-D13,20R	1	13,2	A	3	3,6							
P6005-D13,25R	1	13,25	A	3	3,6							
P6005-D13,30R	1	13,3	A	3	3,6							
P6005-D13,40R	1	13,4	A	3	3,6							

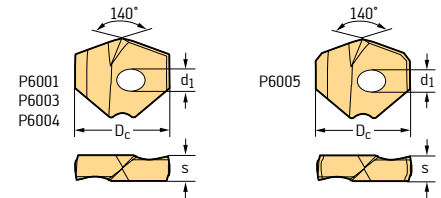
Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel); P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S); P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P); P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R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

HC = Coated carbide



# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

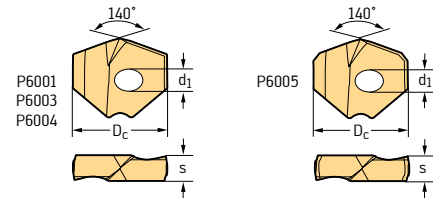
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25
P6005-D13,49R	1	13,49	A	3	3,6						
P6005-D13,50R	1	13,5	A	3	3,6						
P6005-D13,60R	1	13,6	A	3	3,6						
P6005-D13,70R	1	13,7	A	3	3,6						
P6005-D13,80R	1	13,8	A	3	3,6						
P6005-D13,90R	1	13,9	A	3	3,6						
P6005-D14,00R	1	14	B	3	4						
P6005-D14,10R	1	14,1	B	3	4						
P6005-D14,20R	1	14,2	B	3	4						
P6005-D14,29R	1	14,29	B	3	4						
P6005-D14,30R	1	14,3	B	3	4						
P6005-D14,40R	1	14,4	B	3	4						
P6005-D14,50R	1	14,5	B	3	4						
P6005-D14,60R	1	14,6	B	3	4						
P6005-D14,68R	1	14,68	B	3	4						
P6005-D14,70R	1	14,7	B	3	4						
P6005-D14,80R	1	14,8	B	3	4						
P6005-D14,90R	1	14,9	B	3	4						
P6005-D15,00R	1	15	B	3	4						
P6005-D15,08R	1	15,08	B	3	4						
P6005-D15,09R	1	15,09	B	3	4						
P6005-D15,10R	1	15,1	B	3	4						
P6005-D15,20R	1	15,2	B	3	4						
P6005-D15,30R	1	15,3	B	3	4						
P6005-D15,40R	1	15,4	B	3	4						
P6005-D15,50R	1	15,5	B	3	4						
P6005-D15,60R	1	15,6	B	3	4						
P6005-D15,70R	1	15,7	B	3	4						
P6005-D15,80R	1	15,8	B	3	4						
P6005-D15,88R	1	15,88	B	3	4						
P6005-D15,90R	1	15,9	B	3	4						
P6005-D16,00R	1	16	C	4	4,5						
P6005-D16,13R	1	16,13	C	4	4,5						
P6005-D16,26R	1	16,26	C	4	4,5						
P6005-D16,27R	1	16,27	C	4	4,5						
P6005-D16,43R	1	16,43	C	4	4,5						
P6005-D16,50R	1	16,5	C	4	4,5						
P6005-D16,66R	1	16,66	C	4	4,5						
P6005-D16,67R	1	16,67	C	4	4,5						
P6005-D16,70R	1	16,7	C	4	4,5						
P6005-D16,80R	1	16,8	C	4	4,5						
P6005-D17,00R	1	17	C	4	4,5						
P6005-D17,07R	1	17,07	C	4	4,5						

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

HC = Coated carbide

## Exchangeable tip

P6001 / P6003 / P6004 / P6005 / P6006



## Interchangeable inserts

B1

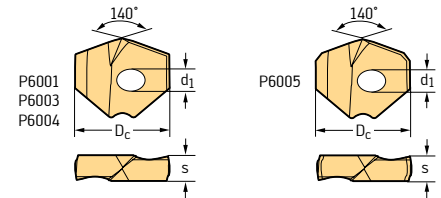
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P			M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC	HC
P6005-D17,20R	1	17,2	C	4	4,5					⊗		
P6005-D17,45R	1	17,45	C	4	4,5					⊗		
P6005-D17,50R	1	17,5	C	4	4,5					⊗		
P6005-D17,70R	1	17,7	C	4	4,5					⊗		
P6005-D17,80R	1	17,8	C	4	4,5					⊗		
P6005-D17,86R	1	17,86	C	4	4,5					⊗		
P6005-D18,00R	1	18	D	4	5					⊗		
P6005-D18,24R	1	18,24	D	4	5					⊗		
P6005-D18,26R	1	18,26	D	4	5					⊗		
P6005-D18,50R	1	18,5	D	4	5					⊗		
P6005-D18,65R	1	18,65	D	4	5					⊗		
P6005-D18,70R	1	18,7	D	4	5					⊗		
P6005-D18,80R	1	18,8	D	4	5					⊗		
P6005-D19,00R	1	19	D	4	5					⊗		
P6005-D19,05R	1	19,05	D	4	5					⊗		
P6005-D19,20R	1	19,2	D	4	5					⊗		
P6005-D19,25R	1	19,25	D	4	5					⊗		
P6005-D19,30R	1	19,3	D	4	5					⊗		
P6005-D19,35R	1	19,35	D	4	5					⊗		
P6005-D19,43R	1	19,43	D	4	5					⊗		
P6005-D19,50R	1	19,5	D	4	5					⊗		
P6005-D19,60R	1	19,6	D	4	5					⊗		
P6005-D19,70R	1	19,7	D	4	5					⊗		
P6005-D19,80R	1	19,8	D	4	5					⊗		
P6005-D19,84R	1	19,84	D	4	5					⊗		
P6005-D20,00R	1	20	E	5	5,5					⊗		
P6005-D20,20R	1	20,2	E	5	5,5					⊗		
P6005-D20,24R	1	20,24	E	5	5,5					⊗		
P6005-D20,50R	1	20,5	E	5	5,5					⊗		
P6005-D20,62R	1	20,62	E	5	5,5					⊗		
P6005-D20,70R	1	20,7	E	5	5,5					⊗		
P6005-D21,00R	1	21	E	5	5,5					⊗		
P6005-D21,12R	1	21,12	E	5	5,5					⊗		
P6005-D21,41R	1	21,41	E	5	5,5					⊗		
P6005-D21,43R	1	21,43	E	5	5,5					⊗		
P6005-D21,50R	1	21,5	E	5	5,5					⊗		
P6005-D21,70R	1	21,7	E	5	5,5					⊗		
P6005-D21,83R	1	21,83	E	5	5,5					⊗		
P6005-D22,00R	1	22	F	5	6					⊗		
P6005-D22,22R	1	22,22	F	5	6					⊗		
P6005-D22,23R	1	22,23	F	5	6					⊗		
P6005-D22,42R	1	22,42	F	5	6					⊗		
P6005-D22,50R	1	22,5	F	5	6					⊗		

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

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

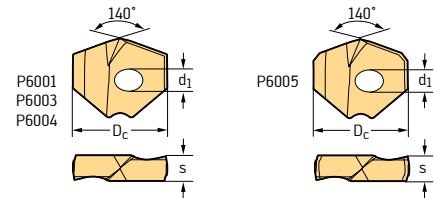
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	HC	HC	HC	HC
P6005-D22,70R	1	22,7	F	5	6				*		
P6005-D22,77R	1	22,77	F	5	6				*		
P6005-D23,00R	1	23	F	5	6				*		
P6005-D23,02R	1	23,02	F	5	6				*		
P6005-D23,39R	1	23,39	F	5	6				*		
P6005-D23,50R	1	23,5	F	5	6				*		
P6005-D23,70R	1	23,7	F	5	6				*		
P6005-D23,80R	1	23,8	F	5	6				*		
P6005-D23,81R	1	23,81	F	5	6				*		
P6005-D24,00R	1	24	G	5	6,5				*		
P6005-D24,21R	1	24,21	G	5	6,5				*		
P6005-D24,50R	1	24,5	G	5	6,5				*		
P6005-D24,59R	1	24,59	G	5	6,5				*		
P6005-D24,61R	1	24,61	G	5	6,5				*		
P6005-D24,70R	1	24,7	G	5	6,5				*		
P6005-D25,00R	1	25	G	5	6,5				*		
P6005-D25,25R	1	25,25	G	5	6,5				*		
P6005-D25,40R	1	25,4	G	5	6,5				*		
P6005-D25,50R	1	25,5	G	5	6,5				*		
P6005-D25,70R	1	25,7	G	5	6,5				*		
P6005-D25,80R	1	25,8	G	5	6,5				*		
P6005-D26,00R	1	26	H	6	7,1				*		
P6005-D26,25R	1	26,25	H	6	7,1				*		
P6005-D26,50R	1	26,5	H	6	7,1				*		
P6005-D26,59R	1	26,59	H	6	7,1				*		
P6005-D27,00R	1	27	H	6	7,1				*		
P6005-D27,50R	1	27,5	H	6	7,1				*		
P6005-D27,78R	1	27,78	H	6	7,1				*		
P6005-D28,00R	1	28	J	6	7,7				*		
P6005-D28,17R	1	28,17	J	6	7,7				*		
P6005-D28,50R	1	28,5	J	6	7,7				*		
P6005-D28,57R	1	28,57	J	6	7,7				*		
P6005-D29,00R	1	29	J	6	7,7				*		
P6005-D29,50R	1	29,5	J	6	7,7				*		
P6005-D29,77R	1	29,77	J	6	7,7				*		
P6005-D30,00R	1	30	K	6	8				*		
P6005-D30,15R	1	30,15	K	6	8				*		
P6005-D30,50R	1	30,5	K	6	8				*		
P6005-D31,00R	1	31	K	6	8				*		
P6005-D31,50R	1	31,5	K	6	8				*		
P6005-D31,75R	1	31,75	K	6	8				*		
P6005-D31,99R	1	31,99	K	6	8				*		
P6005-D32,00R	1	32	M	6	8,3				*		

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

HC = Coated carbide

## Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



## Interchangeable inserts

B1

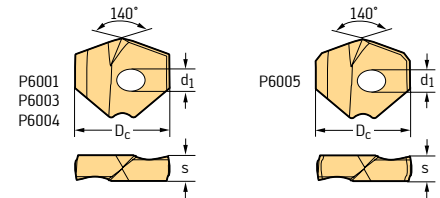
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P			M	K	N	S
						WPP25	WMP35	WPP45C	HC	HC	HC	HC
	P6005-D32,10R	1	32,1	M	6	8,3						
	P6005-D33,00R	1	33	M	6	8,3						
	P6005-D34,00R	1	34	N	6	8,6						
	P6005-D35,00R	1	35	N	6	8,6						
	P6005-D36,00R	1	36	P	6	8,9						
	P6005-D37,00R	1	37	P	6	8,9						
	P6005-D37,99R	1	37,99	P	6	8,9						
	P6006-D12,00R	1	12	A	3,4	3,6	☺					
	P6006-D12,10R	1	12,1	A	3,4	3,6	☺					
	P6006-D12,20R	1	12,2	A	3,4	3,6	☺					
	P6006-D12,30R	1	12,3	A	3,4	3,6	☺					
	P6006-D12,40R	1	12,4	A	3,4	3,6	☺					
	P6006-D12,50R	1	12,5	A	3,4	3,6	☺					
	P6006-D12,60R	1	12,6	A	3,4	3,6	☺					
	P6006-D12,70R	1	12,7	A	3,4	3,6	☺					
	P6006-D12,80R	1	12,8	A	3,4	3,6	☺					
	P6006-D12,90R	1	12,9	A	3,4	3,6	☺					
	P6006-D12,95R	1	12,95	A	3,4	3,6	☺					
	P6006-D13,00R	1	13	A	3,4	3,6	☺					
	P6006-D13,11R	1	13,11	A	3,4	3,6	☺					
	P6006-D13,20R	1	13,2	A	3,4	3,6	☺					
	P6006-D13,25R	1	13,25	A	3,4	3,6	☺					
	P6006-D13,30R	1	13,3	A	3,4	3,6	☺					
	P6006-D13,35R	1	13,35	A	3,4	3,6	☺					
	P6006-D13,40R	1	13,4	A	3,4	3,6	☺					
	P6006-D13,45R	1	13,45	A	3,4	3,6	☺					
	P6006-D13,50R	1	13,5	A	3,4	3,6	☺					
	P6006-D13,60R	1	13,6	A	3,4	3,6	☺					
	P6006-D13,70R	1	13,7	A	3,4	3,6	☺					
	P6006-D13,80R	1	13,8	A	3,4	3,6	☺					
	P6006-D13,89R	1	13,89	A	3,4	3,6	☺					
	P6006-D14,00R	1	14	B	3,4	4	☺					
	P6006-D14,10R	1	14,1	B	3,4	4	☺					
	P6006-D14,20R	1	14,2	B	3,4	4	☺					
	P6006-D14,30R	1	14,3	B	3,4	4	☺					
	P6006-D14,40R	1	14,4	B	3,4	4	☺					
	P6006-D14,50R	1	14,5	B	3,4	4	☺					
	P6006-D14,60R	1	14,6	B	3,4	4	☺					
	P6006-D14,68R	1	14,68	B	3,4	4	☺					
	P6006-D14,80R	1	14,8	B	3,4	4	☺					
	P6006-D14,90R	1	14,9	B	3,4	4	☺					
	P6006-D15,00R	1	15	B	3,4	4	☺					
P6006-D15,09R	1	15,09	B	3,4	4	☺						

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

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

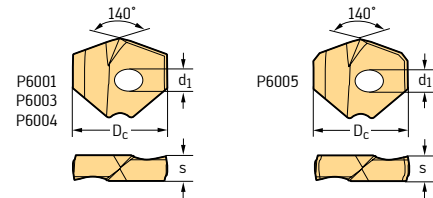
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S	
						HC	HC	HC	HC	HC	HC	
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25	WMP35
P6006-D15,20R	1	15,2	B	3,4	4	☺						
P6006-D15,30R	1	15,3	B	3,4	4	☺						
P6006-D15,35R	1	15,35	B	3,4	4	☺						
P6006-D15,40R	1	15,4	B	3,4	4	☺						
P6006-D15,47R	1	15,47	B	3,4	4	☺						
P6006-D15,50R	1	15,5	B	3,4	4	☺						
P6006-D15,60R	1	15,6	B	3,4	4	☺						
P6006-D15,70R	1	15,7	B	3,4	4	☺						
P6006-D15,80R	1	15,8	B	3,4	4	☺						
P6006-D15,87R	1	15,87	B	3,4	4	☺						
P6006-D16,00R	1	16	C	4,4	4,5	☺						
P6006-D16,13R	1	16,13	C	4,4	4,5	☺						
P6006-D16,26R	1	16,26	C	4,4	4,5	☺						
P6006-D16,43R	1	16,43	C	4,4	4,5	☺						
P6006-D16,50R	1	16,5	C	4,4	4,5	☺						
P6006-D16,66R	1	16,66	C	4,4	4,5	☺						
P6006-D16,70R	1	16,7	C	4,4	4,5	☺						
P6006-D16,85R	1	16,85	C	4,4	4,5	☺						
P6006-D17,00R	1	17	C	4,4	4,5	☺						
P6006-D17,07R	1	17,07	C	4,4	4,5	☺						
P6006-D17,20R	1	17,2	C	4,4	4,5	☺						
P6006-D17,35R	1	17,35	C	4,4	4,5	☺						
P6006-D17,45R	1	17,45	C	4,4	4,5	☺						
P6006-D17,50R	1	17,5	C	4,4	4,5	☺						
P6006-D17,60R	1	17,6	C	4,4	4,5	☺						
P6006-D17,70R	1	17,7	C	4,4	4,5	☺						
P6006-D17,86R	1	17,86	C	4,4	4,5	☺						
P6006-D18,00R	1	18	D	4,4	5	☺						
P6006-D18,24R	1	18,24	D	4,4	5	☺						
P6006-D18,50R	1	18,5	D	4,4	5	☺						
P6006-D18,65R	1	18,65	D	4,4	5	☺						
P6006-D18,70R	1	18,7	D	4,4	5	☺						
P6006-D18,80R	1	18,8	D	4,4	5	☺						
P6006-D19,00R	1	19	D	4,4	5	☺						
P6006-D19,05R	1	19,05	D	4,4	5	☺						
P6006-D19,10R	1	19,1	D	4,4	5	☺						
P6006-D19,20R	1	19,2	D	4,4	5	☺						
P6006-D19,25R	1	19,25	D	4,4	5	☺						
P6006-D19,30R	1	19,3	D	4,4	5	☺						
P6006-D19,35R	1	19,35	D	4,4	5	☺						
P6006-D19,43R	1	19,43	D	4,4	5	☺						
P6006-D19,50R	1	19,5	D	4,4	5	☺						
P6006-D19,60R	1	19,6	D	4,4	5	☺						

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

HC = Coated carbide

# Exchangeable tip

## P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

B1

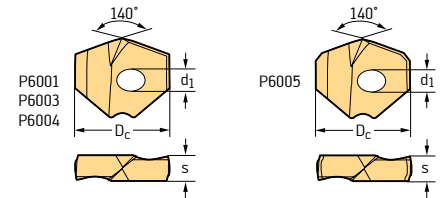
Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	HC	HC	HC	HC
P6006-D19,70R	1	19,7	D	4,4	5	☺					
P6006-D19,84R	1	19,84	D	4,4	5	☺					
P6006-D20,00R	1	20	E	5,4	5,5	☺					
P6006-D20,20R	1	20,2	E	5,4	5,5	☺					
P6006-D20,24R	1	20,24	E	5,4	5,5	☺					
P6006-D20,50R	1	20,5	E	5,4	5,5	☺					
P6006-D20,62R	1	20,62	E	5,4	5,5	☺					
P6006-D20,70R	1	20,7	E	5,4	5,5	☺					
P6006-D20,85R	1	20,85	E	5,4	5,5	☺					
P6006-D21,00R	1	21	E	5,4	5,5	☺					
P6006-D21,41R	1	21,41	E	5,4	5,5	☺					
P6006-D21,50R	1	21,5	E	5,4	5,5	☺					
P6006-D21,70R	1	21,7	E	5,4	5,5	☺					
P6006-D21,83R	1	21,83	E	5,4	5,5	☺					
P6006-D22,00R	1	22	F	5,4	6	☺					
P6006-D22,22R	1	22,22	F	5,4	6	☺					
P6006-D22,42R	1	22,42	F	5,4	6	☺					
P6006-D22,47R	1	22,47	F	5,4	6	☺					
P6006-D22,50R	1	22,5	F	5,4	6	☺					
P6006-D22,60R	1	22,6	F	5,4	6	☺					
P6006-D22,62R	1	22,62	F	5,4	6	☺					
P6006-D22,70R	1	22,7	F	5,4	6	☺					
P6006-D22,77R	1	22,77	F	5,4	6	☺					
P6006-D23,00R	1	23	F	5,4	6	☺					
P6006-D23,10R	1	23,1	F	5,4	6	☺					
P6006-D23,39R	1	23,39	F	5,4	6	☺					
P6006-D23,50R	1	23,5	F	5,4	6	☺					
P6006-D23,70R	1	23,7	F	5,4	6	☺					
P6006-D23,80R	1	23,8	F	5,4	6	☺					
P6006-D24,00R	1	24	G	5,4	6,5	☺					
P6006-D24,21R	1	24,21	G	5,4	6,5	☺					
P6006-D24,50R	1	24,5	G	5,4	6,5	☺					
P6006-D24,59R	1	24,59	G	5,4	6,5	☺					
P6006-D24,70R	1	24,7	G	5,4	6,5	☺					
P6006-D25,00R	1	25	G	5,4	6,5	☺					
P6006-D25,25R	1	25,25	G	5,4	6,5	☺					
P6006-D25,40R	1	25,4	G	5,4	6,5	☺					
P6006-D25,50R	1	25,5	G	5,4	6,5	☺					
P6006-D25,60R	1	25,6	G	5,4	6,5	☺					
P6006-D25,65R	1	25,65	G	5,4	6,5	☺					
P6006-D25,70R	1	25,7	G	5,4	6,5	☺					
P6006-D25,80R	1	25,8	G	5,4	6,5	☺					
P6006-D26,00R	1	26	H	6,4	7,1	☺					

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

HC = Coated carbide

## Exchangeable tip

P6001 / P6003 / P6004 / P6005 / P6006



### Interchangeable inserts

Designation	Number of cutting edges	D <sub>c</sub> mm	Seat size	d <sub>1</sub> mm	s mm	P		M	K	N	S
						WPP25	WMP35	WPP45C	WMP35	WKK45C	WNN25
P6006-D26,25R	1	26,25	H	6,4	7,1	☺					
P6006-D26,50R	1	26,5	H	6,4	7,1	☺					
P6006-D26,59R	1	26,59	H	6,4	7,1	☺					
P6006-D27,00R	1	27	H	6,4	7,1	☺					
P6006-D27,38R	1	27,38	H	6,4	7,1	☺					
P6006-D27,50R	1	27,5	H	6,4	7,1	☺					
P6006-D27,78R	1	27,78	H	6,4	7,1	☺					
P6006-D28,00R	1	28	J	6,4	7,7	☺					
P6006-D28,17R	1	28,17	J	6,4	7,7	☺					
P6006-D28,35R	1	28,35	J	6,4	7,7	☺					
P6006-D28,50R	1	28,5	J	6,4	7,7	☺					
P6006-D28,57R	1	28,57	J	6,4	7,7	☺					
P6006-D29,00R	1	29	J	6,4	7,7	☺					
P6006-D29,10R	1	29,1	J	6,4	7,7	☺					
P6006-D29,37R	1	29,37	J	6,4	7,7	☺					
P6006-D29,50R	1	29,5	J	6,4	7,7	☺					
P6006-D29,77R	1	29,77	J	6,4	7,7	☺					
P6006-D30,00R	1	30	K	6,4	8	☺					
P6006-D30,15R	1	30,15	K	6,4	8	☺					
P6006-D30,50R	1	30,5	K	6,4	8	☺					
P6006-D31,00R	1	31	K	6,4	8	☺					
P6006-D31,35R	1	31,35	K	6,4	8	☺					
P6006-D31,50R	1	31,5	K	6,4	8	☺					
P6006-D31,75R	1	31,75	K	6,4	8	☺					
P6006-D31,99R	1	31,99	K	6,4	8	☺					
P6006-D32,00R	1	32	M	6,4	8,3	☺					
P6006-D32,10R	1	32,1	M	6,4	8,3	☺					
P6006-D33,00R	1	33	M	6,4	8,3	☺					
P6006-D34,00R	1	34	N	6,4	8,6	☺					
P6006-D34,10R	1	34,1	N	6,4	8,6	☺					
P6006-D34,60R	1	34,6	N	6,4	8,6	☺					
P6006-D35,00R	1	35	N	6,4	8,6	☺					
P6006-D36,00R	1	36	P	6,4	8,9	☺					
P6006-D37,00R	1	37	P	6,4	8,9	☺					
P6006-D37,99R	1	37,99	P	6,4	8,9	☺					

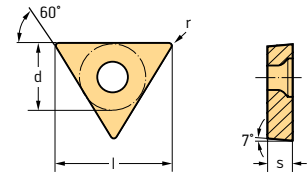
Ordering example: P60.. -D13.00R is available as  
 P6006 in grade WPP25 (ISO P, unalloyed steel): P6006-D13.00R WPP25  
 P6003 in grade WMP35 (ISO P, ISO M and ISO S): P6003-D13.00R WMP35 or as  
 P6001 in grade WPP45C (ISO P): P6001-D13.00R WPP45C  
 Ordering example for the grade WPP45C: P6001-D12.00R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

HC = Coated carbide

# Positive triangular 60°

## TCMT / TCMW

### Tiger-tec® Gold



#### Indexable inserts

B1

Designation	l mm	r mm	P					M				K			S				
			HC					HC				HC			HC				
			WKP01G	WPP10G	WPP20G	WMP20S	WPP30G	WEP10C	WSM10S	WMP20S	WSM20S	WSM21	WSM30S	WKP01G	WKK10S	WKK20S	WSM10S	WSM20S	WSM21
TCMT110204-FK6	11	0,4																	
TCMT110208-FK6	11	0,8																	
TCMT16T304-FK6	16,5	0,4																	
TCMT16T308-FK6	16,5	0,8																	
TCMT06T102-FM4	6,87	0,2																	
TCMT06T104-FM4	6,87	0,4																	
TCMT090202-FM4	9,62	0,2																	
TCMT090204-FM4	9,62	0,4																	
TCMT090208-FM4	9,62	0,8																	
TCMT110202-FM4	11	0,2																	
TCMT110204-FM4	11	0,4																	
TCMT110208-FM4	11	0,8																	
TCMT16T302-FM4	16,5	0,2																	
TCMT16T304-FM4	16,5	0,4																	
TCMT16T308-FM4	16,5	0,8																	
TCMT06T102-FP4	6,87	0,2																	
TCMT06T104-FP4	6,87	0,4																	
TCMT090202-FP4	9,62	0,2																	
TCMT090204-FP4	9,62	0,4																	
TCMT090208-FP4	9,62	0,8																	
TCMT110202-FP4	11	0,2																	
TCMT110204-FP4	11	0,4																	
TCMT110208-FP4	11	0,8																	
TCMT16T302-FP4	16,5	0,2																	
TCMT16T304-FP4	16,5	0,4																	
TCMT16T308-FP4	16,5	0,8																	
TCMT110204-FP6	11	0,4																	
TCMT110208-FP6	11	0,8																	
TCMT16T304-FP6	16,5	0,4																	
TCMT16T308-FP6	16,5	0,8																	
TCMT090204-MK4	9,62	0,4																	
TCMT090208-MK4	9,62	0,8																	
TCMT110204-MK4	11	0,4																	
TCMT110208-MK4	11	0,8																	
TCMT16T304-MK4	16,5	0,4																	
TCMT16T308-MK4	16,5	0,8																	
TCMT090204-MM4	9,62	0,4																	
TCMT090208-MM4	9,62	0,8																	
TCMT110204-MM4	11	0,4																	
TCMT110208-MM4	11	0,8																	
TCMT16T304-MM4	16,5	0,4																	
TCMT16T308-MM4	16,5	0,8																	

See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WKK10S: TCMT110204-FK6 WKK10S

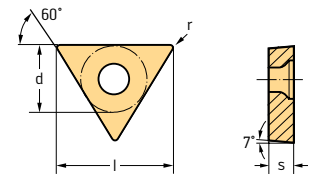
HC = Coated carbide  
 HE = Coated cermet

**WALTER SELECT**

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



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



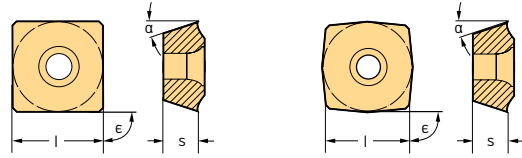
## Indexable inserts

Designation	l mm	r mm	P					M					K			S			
			HC					HE					HC			HC			
			WKP01G	WPP10G	WPP20G	WMP20S	WPP30G	WEP10C	WSM10S	WMP20S	WSM20S	WSM21	WSM30S	WKP01G	WKK10S	WKK20S	WSM10S	WSM20S	WSM21
TCMT090204-MP4	9,62	0,4			☺														
TCMT090208-MP4	9,62	0,8			☺														
TCMT110204-MP4	11	0,4		☺	☺														
TCMT110208-MP4	11	0,8		☺	☺														
TCMT16T304-MP4	16,5	0,4		☺	☺														
TCMT16T308-MP4	16,5	0,8		☺	☺														
TCMT220408-MP4	22	0,8			☺														
TCMT090204-RK4	9,62	0,4											☺	☺					
TCMT090208-RK4	9,62	0,8											☺	☺					
TCMT110204-RK4	11	0,4											☺	☺					
TCMT110208-RK4	11	0,8											☺	☺					
TCMT16T304-RK4	16,5	0,4											☺	☺					
TCMT16T308-RK4	16,5	0,8											☺	☺					
TCMT16T312-RK4	16,5	1,2											☺	☺					
TCMT090204-RM4	9,62	0,4																☺	☺
TCMT090208-RM4	9,62	0,8																☺	☺
TCMT110204-RM4	11	0,4				☺			☺	☺	☺					☺	☺	☺	☺
TCMT110208-RM4	11	0,8				☺			☺	☺	☺					☺	☺	☺	☺
TCMT16T304-RM4	16,5	0,4				☺			☺	☺	☺					☺	☺	☺	☺
TCMT16T308-RM4	16,5	0,8				☺			☺	☺	☺					☺	☺	☺	☺
TCMT16T312-RM4	16,5	1,2							☺	☺						☺	☺	☺	☺
TCMT090204-RP4	9,62	0,4			☺														
TCMT090208-RP4	9,62	0,8			☺														
TCMT110204-RP4	11	0,4		☺	☺														
TCMT110208-RP4	11	0,8		☺	☺														
TCMT16T304-RP4	16,5	0,4		☺	☺														
TCMT16T308-RP4	16,5	0,8		☺	☺														
TCMT16T312-RP4	16,5	1,2		☺	☺														
TCMW110204-RK6	11	0,4												☺	☺				
TCMW110208-RK6	11	0,8												☺	☺				
TCMW16T304-RK6	16,5	0,4												☺	☺				
TCMW16T308-RK6	16,5	0,8												☺	☺				

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WKK10S: TCMT110204-FK6 WKK10S

HC = Coated carbide  
HE = Coated cermet

Square  
P284..  
Tiger-tec® Gold



## Indexable inserts

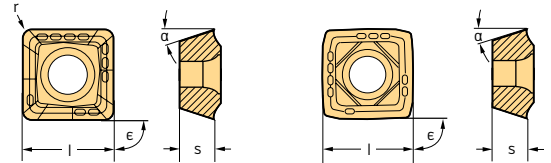
B1

Designation	Number of cutting edges	l mm	s mm	α	ε	Size	P		M		K		N		S
							HC		HC		HC		HC	HC	HC
							WKP25S	WKP35S	WXP40	WSP45G	WXP40	WSP45G	WKP25S	WKP35S	WN15
P2840S-1N-A57	4	6,35	2,4	14°	90°	1	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-2N-A57	4	7,8	3,2	14°	90°	02	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-3N-A57	4	9,52	4	11°	96°	03	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-4N-A57	4	11	4	11°	96°	4	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-5N-A57	4	12,7	4,8	11°	96°	5	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-6N-A57	4	15	4,8	11°	96°	6	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-7N-A57	4	17,6	5,6	11°	96°	7	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-1N-E67	4	6,35	2,4	14°	90°	1	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-2N-E67	4	7,8	3,2	14°	90°	02	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-3N-E67	4	9,52	4	11°	96°	03	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-4N-E67	4	11	4	11°	96°	4	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-5N-E67	4	12,7	4,8	11°	96°	5	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-6N-E67	4	15	4,8	11°	96°	6	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-7N-E67	4	17,6	5,6	11°	96°	7	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-1N-A57	4	6,35	2,4	14°	90°	1	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-2N-A57	4	7,8	3,2	14°	90°	02	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-3N-A57	4	9,52	4	11°	96°	03	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-4N-A57	4	11	4	11°	96°	4	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-5N-A57	4	12,7	4,8	11°	96°	5	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-6N-A57	4	15	4,8	11°	96°	6	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-7N-A57	4	17,6	5,6	11°	96°	7	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-1N-E57	4	6,35	2,4	14°	90°	1	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-2N-E57	4	7,8	3,2	14°	90°	02	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-3N-E57	4	9,52	4	11°	96°	03	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-4N-E57	4	11	4	11°	96°	4	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-5N-E57	4	12,7	4,8	11°	96°	5	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-6N-E57	4	15	4,8	11°	96°	6	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-7N-E57	4	17,6	5,6	11°	96°	7	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-1N-E67	4	6,35	2,4	14°	90°	1	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-2N-E67	4	7,8	3,2	14°	90°	02	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-3N-E67	4	9,52	4	11°	96°	03	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-4N-E67	4	11	4	11°	96°	4	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-5N-E67	4	12,7	4,8	11°	96°	5	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-6N-E67	4	15	4,8	11°	96°	6	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2841S-7N-E67	4	17,6	5,6	11°	96°	7	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-1N-E77	4	6,35	2,4	14°	90°	1	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-2N-E77	4	7,8	3,2	14°	90°	02	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-3N-E77	4	9,52	4	11°	96°	03	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-4N-E77	4	11	4	11°	96°	4	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-5N-E77	4	12,7	4,8	11°	96°	5	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-6N-E77	4	15	4,8	11°	96°	6	☺	☺	☺	☺	☺	☺	☺	☺	☺
P2840S-7N-E77	4	17,6	5,6	11°	96°	7	☺	☺	☺	☺	☺	☺	☺	☺	☺





Ordering example for the grade WKP25S: P2840S-1N-A57 WKP25S  
 Ordering example for the grade WKP35S: P2840S-1N-A57 WKP35S  
 Ordering example for the grade WSP45G: P2840S-1N-A57 WSP45G

HC = Coated carbide  
 HW = Uncoated carbide

Square  
P484 .  
Tiger-tec® Gold



Indexable inserts

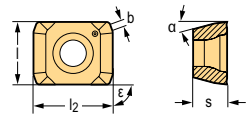
Designation	Number of cutting edges	l mm	s mm	r mm	α	ε	Size	P			M		K	N		S
								HC			HC		HC	HC	HW	HC
								WKP35S	WXP40	WSP45G	WXP40	WSP45G	WKP35S	WN15	WN15	WSP45G
 P4841C-1R-A57	4	4,9	2	0,29	11°	90°	1	☞	☞	☞	☞	☞				☞
P4841C-2R-A57	4	5,95	2,4	0,34	11°	90°	02	☞	☞	☞	☞	☞				☞
P4841C-3R-A57	4	7	2,8	0,4	11°	90°	03	☞	☞	☞	☞	☞				☞
P4841C-4R-A57	4	8,4	3,4	0,48	11°	90°	4	☞	☞	☞	☞	☞				☞
P4841C-5R-A57	4	10,29	4,1	0,59	11°	90°	5	☞	☞	☞	☞	☞				☞
P4841C-6R-A57	4	12,24	4,9	0,7	11°	90°	6	☞	☞	☞	☞	☞				☞
P4841C-7R-A57	4	14,69	5,5	0,8	11°	90°	7	☞	☞	☞	☞	☞				☞
P4841C-8R-A57	4	17,49	5,6	1	11°	90°	8	☞	☞	☞	☞	☞				☞
 P4841C-1R-E57	4	4,9	2	0,29	11°	90°	1	☞	☞	☞	☞	☞				☞
P4841C-2R-E57	4	5,95	2,4	0,34	11°	90°	02	☞	☞	☞	☞	☞				☞
P4841C-3R-E57	4	7	2,8	0,4	11°	90°	03	☞	☞	☞	☞	☞				☞
P4841C-4R-E57	4	8,4	3,4	0,48	11°	90°	4	☞	☞	☞	☞	☞				☞
P4841C-5R-E57	4	10,29	4,1	0,59	11°	90°	5	☞	☞	☞	☞	☞				☞
P4841C-6R-E57	4	12,24	4,9	0,7	11°	90°	6	☞	☞	☞	☞	☞				☞
P4841C-7R-E57	4	14,69	5,5	0,8	11°	90°	7	☞	☞	☞	☞	☞				☞
P4841C-8R-E57	4	17,49	5,6	1	11°	90°	8	☞	☞	☞	☞	☞				☞
 P4840C-1R-E67	4	4,9	2	0,29	11°	90°	1	☞	☞	☞	☞	☞				☞
P4840C-2R-E67	4	5,95	2,4	0,34	11°	90°	02	☞	☞	☞	☞	☞				☞
P4840C-3R-E67	4	7	2,8	0,4	11°	90°	03	☞	☞	☞	☞	☞				☞
P4840C-4R-E67	4	8,4	3,4	0,48	11°	90°	4	☞	☞	☞	☞	☞				☞
P4840C-5R-E67	4	10,29	4,1	0,59	11°	90°	5	☞	☞	☞	☞	☞				☞
P4840C-6R-E67	4	12,24	4,9	0,7	11°	90°	6	☞	☞	☞	☞	☞				☞
P4840C-7R-E67	4	14,69	5,5	0,8	11°	90°	7	☞	☞	☞	☞	☞				☞
P4840C-8R-E67	4	17,49	5,6	1	11°	90°	8	☞	☞	☞	☞	☞				☞
 P4840C-1R-E77	4	4,9	2	0,29	11°	90°	1						☞	☞		☞
P4840C-2R-E77	4	5,95	2,4	0,34	11°	90°	02						☞	☞		☞
P4840C-3R-E77	4	7	2,8	0,4	11°	90°	03						☞	☞		☞
P4840C-4R-E77	4	8,4	3,4	0,48	11°	90°	4						☞	☞		☞
P4840C-5R-E77	4	10,29	4,1	0,59	11°	90°	5						☞	☞		☞
P4840C-6R-E77	4	12,24	4,9	0,7	11°	90°	6						☞	☞		☞
P4840C-7R-E77	4	14,69	5,5	0,8	11°	90°	7						☞	☞		☞
P4840C-8R-E77	4	17,49	5,6	1	11°	90°	8						☞	☞		☞

Ordering example for the grade WKP35S: P4841C-1R-A57 WKP35S  
 Ordering example for the grade WSP45G: P4841C-1R-A57 WSP45G










HC = Coated carbide  
 HW = Uncoated carbide

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

# Rectangular LCGX



## Indexable inserts

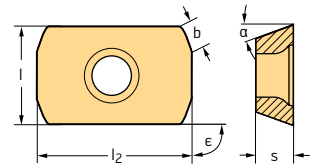
Designation	Number of cutting edges	l mm	l <sub>2</sub> mm	s mm	α	ε	b mm	N	
								HC	HW
 LCGX050203-E77 LCGX06T204-E77	2	4	5,2	2,4	7°	90°	0,6	 	 
	2	5,2	6,6	2,8	7°	90°	0,8	 	 

Ordering example for the grade WN15: LCGX050203-E77 WN15


























































 HC = Coated carbide  
 HW = Uncoated carbide

B1

# Rectangular LCMX Tiger-tec® Gold



## Indexable inserts

Designation	Number of cutting edges	l mm	l <sub>2</sub> mm	s mm	α	ε	b mm	P				M		K		S
								WKP25S	WKP35S	WXP40	WSP45G	WXP40	WSP45G	WKP25S	WKP35S	WSP45G
 LCMX050203-B57 LCMX06T204-B57	2	4	5,2	2,4	7°	90°	0,6									
	2	5,2	6,6	2,8	7°	90°	0,8									
 LCMX050203-D57 LCMX06T204-D57	2	4	5,2	2,4	7°	90°	0,6									
	2	5,2	6,6	2,8	7°	90°	0,8									
 LCMX050203-E57 LCMX06T204-E57	2	4	5,2	2,4	7°	90°	0,6									
	2	5,2	6,6	2,8	7°	90°	0,8									

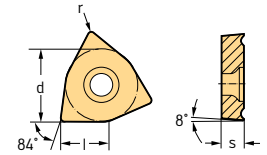
Ordering example for the grade WKP25S: LCMX050203-B57 WKP25S

Ordering example for the grade WKP35S: LCMX050203-B57 WKP35S

Ordering example for the grade WSP45G: LCMX050203-B57 WSP45G

HC = Coated carbide

# Trigon WOMX / WOEX Tiger-tec® Gold



## Indexable inserts

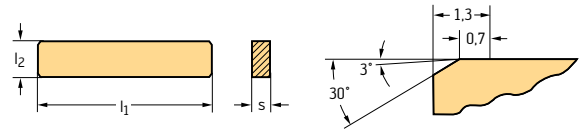
Designation	Number of cutting edges	l mm	s mm	r mm	α	ε	P				M		K		S	
							HC				HC		HC		HC	
							WKP25S	WKP35S	WXP40	WSP45G	WXP40	WSP45G	WAKI5	WKP25S	WKP35S	WSP45G
WOMX030204-B57	3	3,31	2,3	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX040304-B57	3	4,2	3,2	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX05T304-B57	3	5,29	3,8	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX06T304-B57	3	6,62	3,8	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX080408-B57	3	7,94	4,8	0,8	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX100508-B57	3	9,92	5,3	0,8	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX120608-B57	3	11,64	6	0,8	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX030204-D57	3	3,31	2,3	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX040304-D57	3	4,2	3,2	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX05T304-D57	3	5,29	3,8	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX06T304-D57	3	6,62	3,8	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX080408-D57	3	7,94	4,8	0,8	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX100508-D57	3	9,92	5,3	0,8	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOMX120608-D57	3	11,64	6	0,8	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOEX030204-E57	3	3,31	2,3	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOEX040304-E57	3	4,2	3,2	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOEX05T304-E57	3	5,29	3,8	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOEX06T304-E57	3	6,62	3,8	0,4	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOEX080408-E57	3	7,94	4,8	0,8	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOEX100508-E57	3	9,92	5,3	0,8	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
WOEX120608-E57	3	11,64	6	0,8	8°	84°	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺

Ordering example for the grade WKP35S: WOMX030204-B57 WKP35S  
 Ordering example for the grade WSP45G: WOMX030204-B57 WSP45G

HC = Coated carbide

# Positive basic shape

## P6500



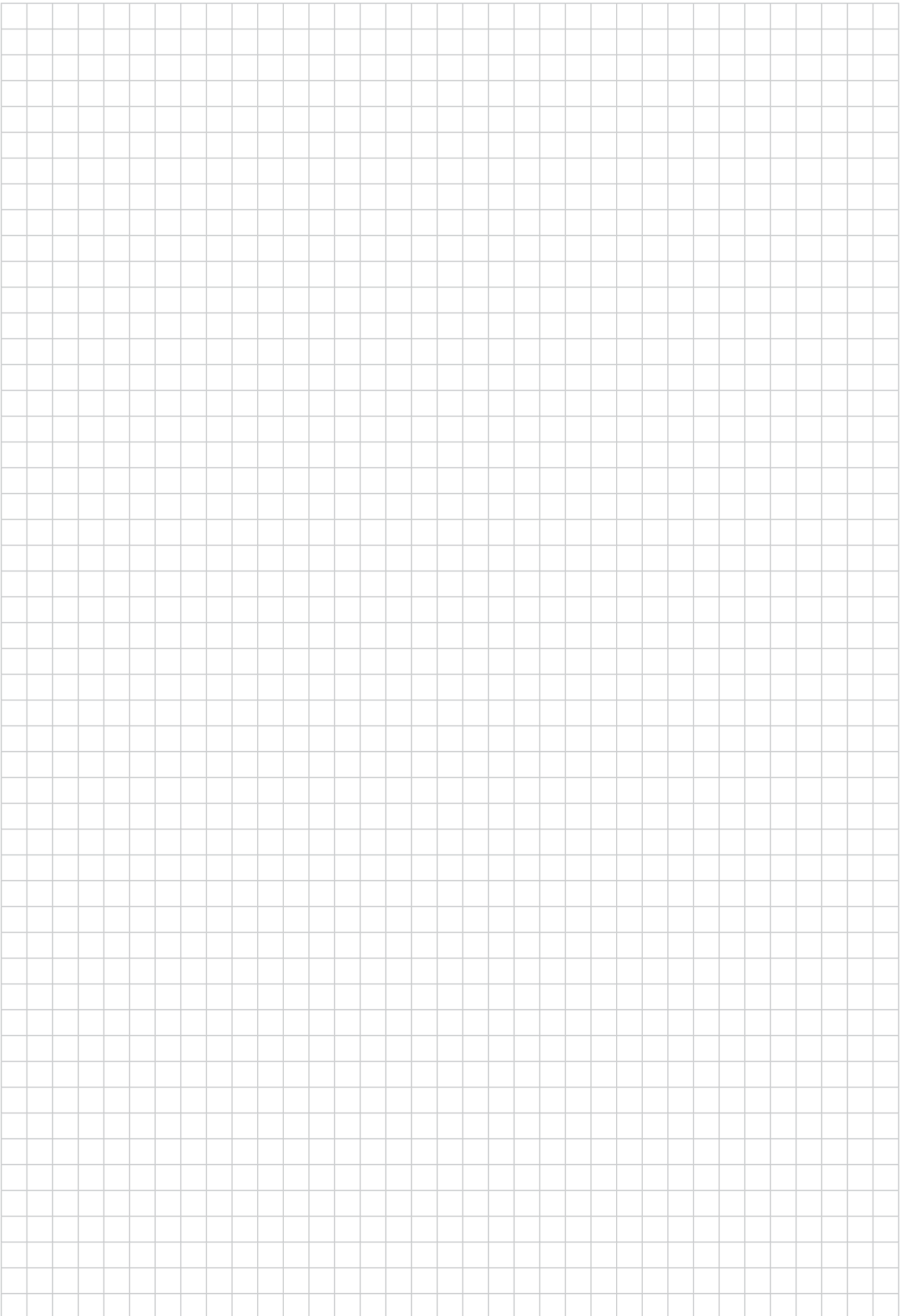
### Indexable inserts

B1

Designation	Number of cutting edges	l <sub>1</sub> mm	l <sub>2</sub> mm	s mm	Chamfer	Material	
						WXP15	WKK05
P6500-1R-A88-E1 P6500-2R-A88-E1 P6500-4R-A88-E1	2	20	3	1,5	E1	☺	
	2	20	4,5	4,5	E1	☺	
	2	25	7	2,3	E1	☺	
P6500-0R-B88-E1 P6500-1R-B88-E1 P6500-2R-B88-E1 P6500-4R-B88-E1	2	20	2,5	1,2	E1	☺	
	2	20	3	1,5	E1	☺	☺
	2	20	4,5	4,5	E1	☺	☺
	2	25	7	2,3	E1	☺	☺
P6500-1R-B88-E5 P6500-2R-B88-E5 P6500-4R-B88-E5	2	20	3	1,5	E5		☺
	2	20	4,5	4,5	E5		☺
	2	25	7	2,3	E5		☺

Ordering example for the grade WXP15: P6500-1R-A88-E1 WXP15

HC = Coated carbide



B1

## Indexable insert drills

B1

Machining					
Drilling depth	2,5 x D <sub>C</sub>	1,3 x D <sub>C</sub>	3 x D <sub>C</sub>	3 x D <sub>C</sub>	5 x D <sub>C</sub>



Designation	D4240	D4140 Drion-tec™	D4140 Drion-tec™	D4140 Drion-tec™	D4140 Drion-tec™
Effective cutting edges	2	2	2	2	2
Diameter range					
[mm]	12–29	12–25,99		12–37,99	12–31,99
[inch]			0,472–1,22	0,472–1,496	0,472–1,22
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



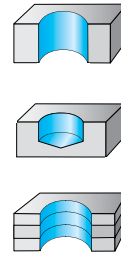
P600 .

Number of cutting edges	1	1	1	1	1
Page in catalogue	B 238	B 240	B 244	B 242	B 250
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	D4240	D4140	D4140	D4140	D4140



# Indexable insert drills

Machining



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

Indexable insert types



P600 .

Number of cutting edges	1	1	1	1
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Page in catalogue	B 250	B 258	B 258	B 264
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QR code



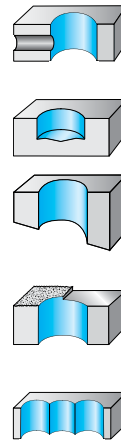
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	D4140	D4140	D4140	D4140
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B1

## Indexable insert drills

Machining

B1



Drilling depth	3 x D <sub>C</sub>	2 x D <sub>C</sub>	3 x D <sub>C</sub>	4 x D <sub>C</sub>	5 x D <sub>C</sub>
		<b>NEW</b>	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>
Designation	D4170	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

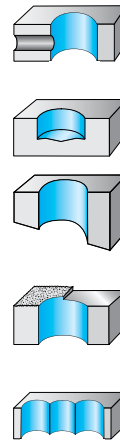
Number of cutting edges	4	4	4	4	4
Page in catalogue	B 304	B 272	B 282	B 274	B 274
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	D4170	D4120	D4120	D4120	D4120

**WALTER SELECT**

●● Primary application ● Other application

## Indexable insert drills

Machining



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



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

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

Indexable insert types



P284 S



LC.

Number of cutting edges	4	4	4	2	2
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Page in catalogue	B 306	B 308	B 316	B 320	B 322
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QR code

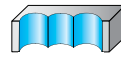
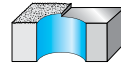
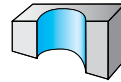


<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	D3120	D3120	D3120	B3212	B3212
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## Indexable insert drills

Machining

B1



Drilling depth

 3 x D<sub>C</sub>

 3 x D<sub>C</sub>

 4 x D<sub>C</sub>


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

2

2

2

Page in catalogue

B 324

B 324

B 328

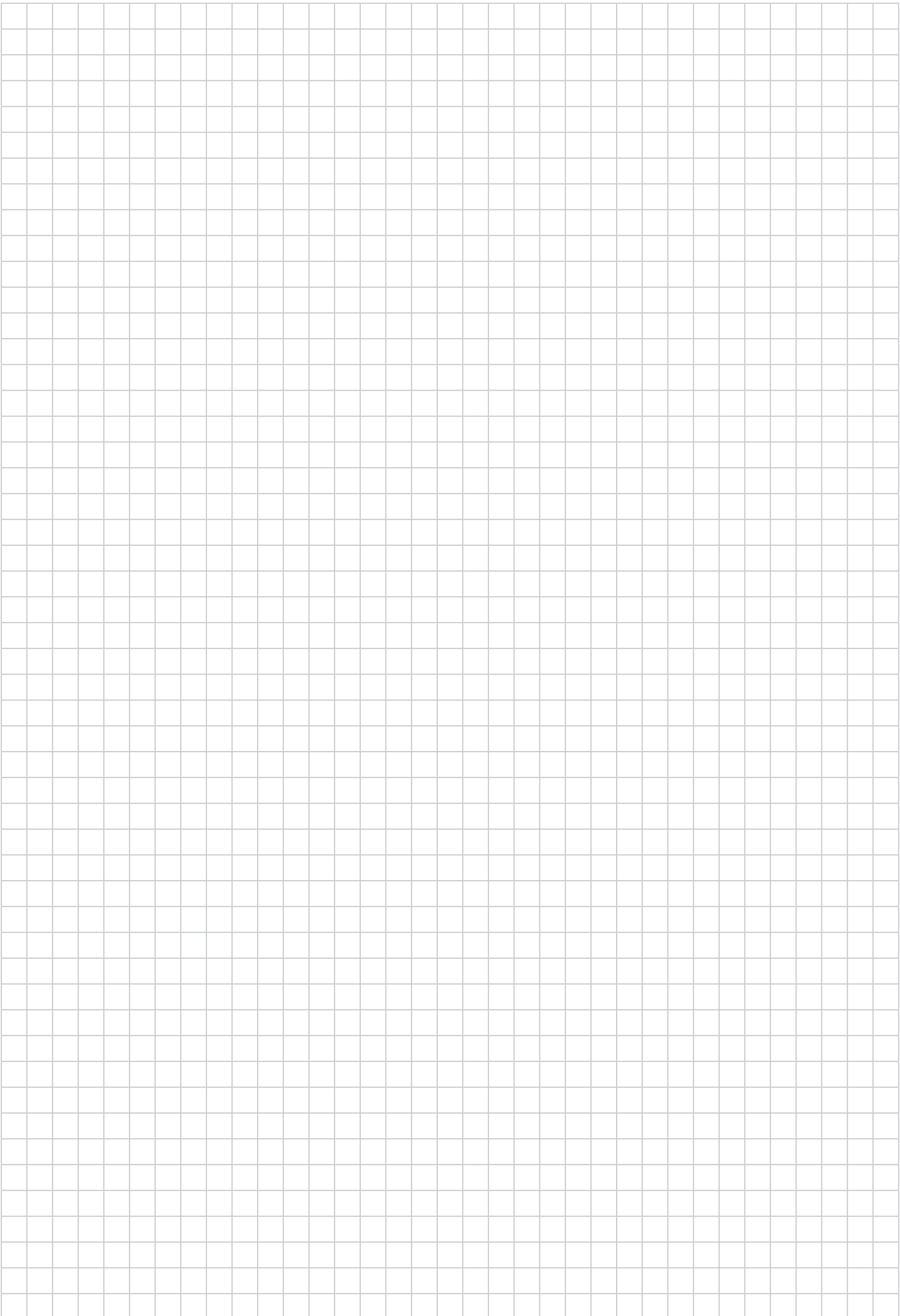
QR code


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

B3213

B3213

B3214



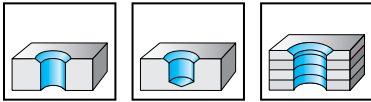
B1

# Exchangeable-tip drills

## D4240 mm



B1



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

	P	M	K	N	S	H	O
D4240	●	●	●	●	●		

### Tool

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

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

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

### Accessories

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

### Interchangeable inserts

Designation	l mm	D <sub>c</sub> mm	r mm	P		M		K		N		S			
				HC		HC		HC		HC		HC			
				WMP35	WPP20G	WPP25	WPP45C	WSM20S	WMP35	WSM20S	WKK20S	WKK45C	WNN25	WMP35	WSM20S
P6001-D..		12-19,8													
P6003-D..		12-19,8		☹					☹						
P6004-D..		12-19,8											☹		
P6005-D..		12-19,8									☹				
P6006-D..		12-19,8				☹									
TCGT110204-MK4	11		0,4								☹				
TCGT110204-MM4	11		0,4												☹
TCGT110204-MP4	11		0,4		☹										
TCGT110208-MP4	11		0,8		☹										
TCMT110208-MK4	11		0,8								☹				
TCMT110208-MM4	11		0,8												☹
TCMT110208-MP4	11		0,8		☹										☹

HC = beschichtetes Hartmetall

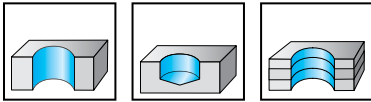
# Exchangeable-tip drills

D4140

Drion-tec™



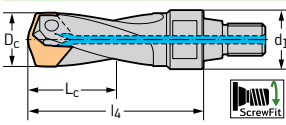
B1



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

## Tool




ScrewFit

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



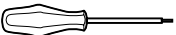
Bodies and assembly parts are included in the scope of delivery



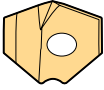
### Assembly parts

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

### Accessories

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

### Interchangeable inserts

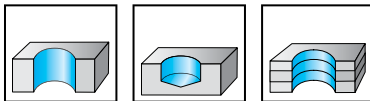
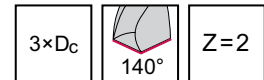
Designation	D <sub>c</sub> mm	P		M	K	N	S
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25
	P6001-D..			HC			
P6003-D..	12-25.8	☒			☒		☒
P6004-D..	12-25.8					☒	
P6005-D..	12-25.5						☒
P6006-D..	12-25.8				☒		
	12-25.8		☒				

HC = beschichtetes Hartmetall

# Exchangeable-tip drills

D4140

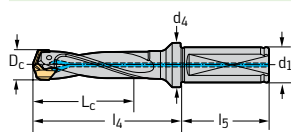
**Drion-tec™**



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1

## Tool



Cylindrical shank with flat

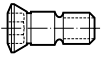
Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-03-12.00F16-A	12	36	68	48	16	20	0,13	1	A	P600 . -D12, ..
D4140-03-13.00F16-A	13	41	72	48	16	20	0,15	1	A	P600 . -D13, ..
D4140-03-14.00F16-B	14	45	76	48	16	20	0,14	1	B	P600 . -D14, ..
D4140-03-15.00F16-B	15	48	80	48	16	20	0,15	1	B	P600 . -D15, ..
D4140-03-16.00F20-C	16	51	84	50	20	25	0,23	1	C	P600 . -D16, ..
D4140-03-17.00F20-C	17	54	88	50	20	25	0,24	1	C	P600 . -D17, ..
D4140-03-18.00F20-D	18	57	92	50	20	25	0,25	1	D	P600 . -D18, ..
D4140-03-19.00F20-D	19	61	96	50	20	25	0,26	1	D	P600 . -D19, ..
D4140-03-20.00F20-E	20	64	100	50	20	25	0,28	1	E	P600 . -D20, ..
D4140-03-21.00F20-E	21	67	104	50	20	25	0,29	1	E	P600 . -D21, ..
D4140-03-22.00F25-F	22	70	109	56	25	32	0,44	1	F	P600 . -D22, ..
D4140-03-23.00F25-F	23	73	113	56	25	32	0,46	1	F	P600 . -D23, ..
D4140-03-24.00F25-G	24	76	117	56	25	32	0,48	1	G	P600 . -D24, ..
D4140-03-25.00F25-G	25	80	121	56	25	32	0,5	1	G	P600 . -D25, ..
D4140-03-26.00F25-H	26	83	125	56	25	32	0,52	1	H	P600 . -D26, ..
D4140-03-27.00F25-H	27	86	129	56	25	32	0,53	1	H	P600 . -D27, ..
D4140-03-28.00F32-J	28	89	134	60	32	40	0,78	1	J	P600 . -D28, ..
D4140-03-29.00F32-J	29	92	138	60	32	40	0,85	1	J	P600 . -D29, ..
D4140-03-30.00F32-K	30	95	142	60	32	40	0,89	1	K	P600 . -D30, ..
D4140-03-31.00F32-K	31	99	146	60	32	40	0,92	1	K	P600 . -D31, ..
D4140-03-32.00F40-M	32	102	150	70	40	50	1,31	1	M	P600 . -D32, ..
D4140-03-33.00F40-M	33	105	154	70	40	50	1,38	1	M	P600 . -D33, ..
D4140-03-34.00F40-N	34	108	158	70	40	50	1,37	1	N	P600 . -D34, ..
D4140-03-35.00F40-N	35	111	162	70	40	50	1,43	1	N	P600 . -D35, ..
D4140-03-36.00F40-P	36	115	166	70	40	50	1,46	1	P	P600 . -D36, ..
D4140-03-37.00F40-P	37	118	170	70	40	50	1,54	1	P	P600 . -D37, ..

Bodies and assembly parts are included in the scope of delivery




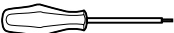
**WALTER SELECT**

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

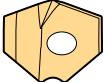
### Assembly parts

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

### Accessories

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

### Interchangeable inserts

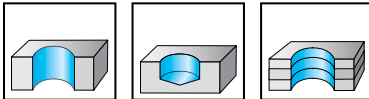
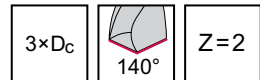
Designation	D <sub>c</sub> mm	P		M		K		N		S	
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35	HC	HC	HC
 P6001-D..	12-38										
P6003-D..	12-38										
P6004-D..	12-31,5										
P6005-D..	12-38										
P6006-D..	12-38										

HC = beschichtetes Hartmetall

## Exchangeable-tip drills

 D4140 inch

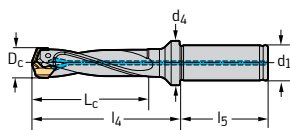
Drion-tec™



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1

## Tool



Cylindrical shank with collar

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

Bodies and assembly parts are included in the scope of delivery

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

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

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

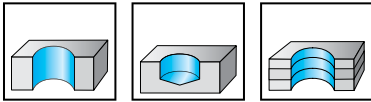
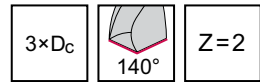
HC = beschichtetes Hartmetall

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

# Exchangeable-tip drills

D4140 inch

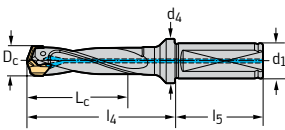
Drion-tec™



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1

## Tool



Cylindrical shank with flat

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

Bodies and assembly parts are included in the scope of delivery

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

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

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

HC = beschichtetes Hartmetall

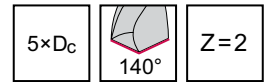
**WALTER SELECT** Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = ☹ → Moderate = ☹

B1

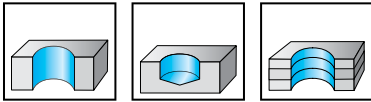
# Exchangeable-tip drills

D4140

Drion-tec™

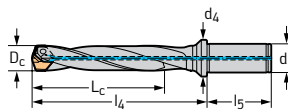


B1



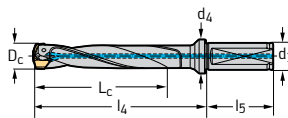
P	M	K	N	S	H	O
●	●	●	●	●		

## Tool



Cylindrical shank with collar

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



Cylindrical shank with flat

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

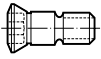
Bodies and assembly parts are included in the scope of delivery

WALTER SELECT




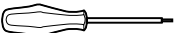
Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊



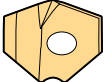
### Assembly parts

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

### Accessories

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

### Interchangeable inserts

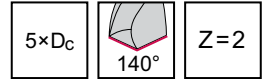
Designation	D <sub>c</sub> mm	P		M		K		N		S	
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35	HC	HC	HC
 P6001-D..	12-38										
P6003-D..	12-38										
P6004-D..	12-31,5										
P6005-D..	12-38										
P6006-D..	12-38										

HC = beschichtetes Hartmetall

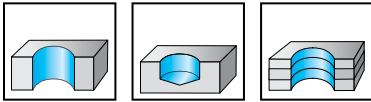
# Exchangeable-tip drills

D4140

**Drion-tec™**

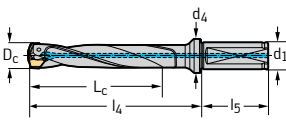


B1



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

## Tool

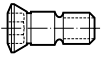


Cylindrical shank with flat




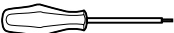
Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-05-27.00F25-H	27	140	183	56	25	32	0,69	1	H	P600 . -D27, ..
D4140-05-28.00F32-J	28	145	190	60	32	40	0,97	1	J	P600 . -D28, ..
D4140-05-29.00F32-J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

Bodies and assembly parts are included in the scope of delivery

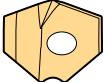
### Assembly parts

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

### Accessories

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

### Interchangeable inserts

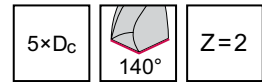
Designation	D <sub>c</sub> mm	P		M		K		N		S	
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35	HC	HC	HC
 P6001-D..	12-38										
P6003-D..	12-38										
P6004-D..	12-31,5										
P6005-D..	12-38										
P6006-D..	12-38										

HC = beschichtetes Hartmetall

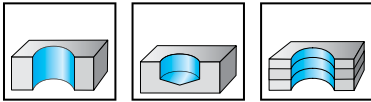
# Exchangeable-tip drills

D4140 inch

Drion-tec™

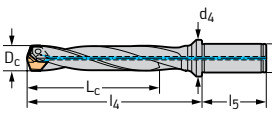


B1



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

## Tool



Cylindrical shank with collar

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

Bodies and assembly parts are included in the scope of delivery

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

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

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

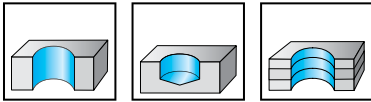
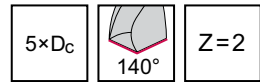
HC = beschichtetes Hartmetall

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

# Exchangeable-tip drills

## D4140 inch

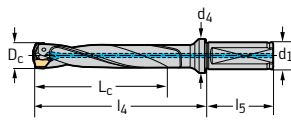
### Drion-tec™



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1

### Tool



Cylindrical shank with flat

Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Seat size	Version
D4140.05-12.00F15-A	0,472	2,441	92,004	1,890	0,625	0,787	0,340	1	A	P600 . -D12, ..
D4140.05-13.00F15-A	0,512	2,638	97,996	1,890	0,625	0,787	0,302	1	A	P600 . -D13, ..
D4140.05-14.00F15-B	0,551	2,874	103,998	1,890	0,625	0,787	0,379	1	B	P600 . -D14, ..
D4140.05-15.00F15-B	0,591	3,071	110	1,890	0,625	0,787	0,406	1	B	P600 . -D15, ..
D4140.05-16.00F19-C	0,630	3,268	116,002	2,031	0,750	0,984	0,551	1	C	P600 . -D16, ..
D4140.05-17.00F19-C	0,669	3,465	122,004	2,031	0,750	0,984	0,595	1	C	P600 . -D17, ..
D4140.05-18.00F19-D	0,709	3,661	127,996	2,031	0,750	0,984	0,622	1	D	P600 . -D18, ..
D4140.05-19.00F19-D	0,748	3,858	133,998	2,031	0,750	0,984	0,666	1	D	P600 . -D19, ..
D4140.05-20.00F19-E	0,787	4,094	140	2,031	0,750	0,984	0,750	1	E	P600 . -D20, ..
D4140.05-21.00F19-E	0,827	4,291	146,002	2,031	0,750	0,984	0,798	1	E	P600 . -D21, ..
D4140.05-22.00F26-F	0,866	4,488	153,004	2,281	1,000	1,260	1,19	1	F	P600 . -D22, ..
D4140.05-23.00F26-F	0,906	4,685	158,996	2,281	1,000	1,260	1,263	1	F	P600 . -D23, ..
D4140.05-24.00F26-G	0,945	4,882	164,998	2,281	1,000	1,260	1,316	1	G	P600 . -D24, ..
D4140.05-25.00F26-G	0,984	5,118	171	2,281	1,000	1,260	1,400	1	G	P600 . -D25, ..
D4140.05-26.00F26-H	1,024	5,315	177,002	2,281	1,000	1,260	1,464	1	H	P600 . -D26, ..
D4140.05-27.00F26-H	1,063	5,512	183,004	2,281	1,000	1,260	1,537	1	H	P600 . -D27, ..
D4140.05-28.00F31-J	1,102	5,709	189,996	2,281	1,250	1,575	2,079	1	J	P600 . -D28, ..
D4140.05-29.00F31-J	1,142	5,906	195,998	2,281	1,250	1,575	2,18	1	J	P600 . -D29, ..
D4140.05-30.00F31-K	1,181	6,339	202	2,281	1,250	1,575	2,280	1	K	P600 . -D30, ..
D4140.05-31.00F31-K	1,22	6,339	208,002	2,281	1,250	1,575	2,394	1	K	P600 . -D31, ..
D4140.05-32.00F31-M	1,260	6,535	214,004	2,281	1,250	1,575	2,429	1	M	P600 . -D32, ..
D4140.05-33.00F31-M	1,299	6,732	219,996	2,281	1,250	1,575	2,551	1	M	P600 . -D33, ..
D4140.05-34.00F38-N	1,339	6,929	225,997	2,688	1,500	1,969	3,331	1	N	P600 . -D34, ..
D4140.05-35.00F38-N	1,378	7,126	231,999	2,688	1,500	1,969	3,417	1	N	P600 . -D35, ..
D4140.05-36.00F38-P	1,417	7,362	238,001	2,688	1,500	1,969	3,578	1	P	P600 . -D36, ..
D4140.05-37.00F38-P	1,457	7,559	244,003	2,688	1,500	1,969	3,704	1	P	P600 . -D37, ..

Bodies and assembly parts are included in the scope of delivery

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

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

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

HC = beschichtetes Hartmetall

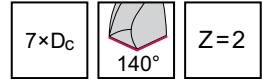
**WALTER SELECT** Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = ☹ → Moderate = ☹

B1

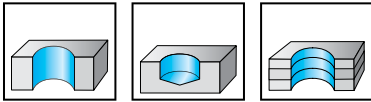
## Exchangeable-tip drills

 D4140 

Drion-tec™

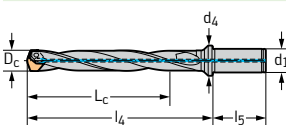


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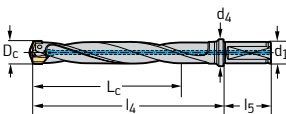
P	M	K	N	S	H	O
●	●	●	●	●	●	●

## Tool



Cylindrical shank with collar

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-07-12.00A16-A	12	86	116	48	16	20	0,17	1	A	P600 . -D12, ..
D4140-07-13.00A16-A	13	93	124	48	16	20	0,18	1	A	P600 . -D13, ..
D4140-07-14.00A16-B	14	101	132	48	16	20	0,2	1	B	P600 . -D14, ..
D4140-07-15.00A16-B	15	108	140	48	16	20	0,23	1	B	P600 . -D15, ..
D4140-07-16.00A20-C	16	115	148	50	20	25	0,31	1	C	P600 . -D16, ..
D4140-07-17.00A20-C	17	122	156	50	20	25	0,33	1	C	P600 . -D17, ..
D4140-07-18.00A20-D	18	133	164	50	20	25	0,35	1	D	P600 . -D18, ..
D4140-07-19.00A20-D	19	136	172	50	20	25	0,37	1	D	P600 . -D19, ..
D4140-07-20.00A20-E	20	144	180	50	20	25	0,4	1	E	P600 . -D20, ..
D4140-07-21.00A20-E	21	151	188	50	20	25	0,43	1	E	P600 . -D21, ..
D4140-07-22.00A25-F	22	158	197	56	25	32	0,61	1	F	P600 . -D22, ..
D4140-07-23.00A25-F	23	165	205	56	25	32	0,65	1	F	P600 . -D23, ..
D4140-07-24.00A25-G	24	172	213	56	25	32	0,69	1	G	P600 . -D24, ..
D4140-07-25.00A25-G	25	180	221	56	25	32	0,76	1	G	P600 . -D25, ..
D4140-07-26.00A25-H	26	187	229	56	25	32	0,8	1	H	P600 . -D26, ..
D4140-07-27.00A25-H	27	194	237	56	25	32	0,85	1	H	P600 . -D27, ..
D4140-07-28.00A32-J	28	201	246	60	32	40	1,04	1	J	P600 . -D28, ..
D4140-07-29.00A32-J	29	208	254	60	32	40	1	1	J	P600 . -D29, ..
D4140-07-30.00A32-K	30	215	262	60	32	40	1,24	1	K	P600 . -D30, ..
D4140-07-31.00A32-K	31	223	270	60	32	40	1,3	1	K	P600 . -D31, ..



Cylindrical shank with flat

D4140-07-12.00F16-A	12	86	116	48	16	20	0,16	1	A	P600 . -D12, ..
D4140-07-13.00F16-A	13	93	124	48	16	20	0,17	1	A	P600 . -D13, ..
D4140-07-14.00F16-B	14	101	132	48	16	20	0,19	1	B	P600 . -D14, ..
D4140-07-15.00F16-B	15	108	140	48	16	20	0,2	1	B	P600 . -D15, ..
D4140-07-16.00F20-C	16	115	148	50	20	25	0,3	1	C	P600 . -D16, ..
D4140-07-17.00F20-C	17	122	156	50	20	25	0,32	1	C	P600 . -D17, ..
D4140-07-18.00F20-D	18	126	164	50	20	25	0,34	1	D	P600 . -D18, ..
D4140-07-19.00F20-D	19	136	172	50	20	25	0,37	1	D	P600 . -D19, ..
D4140-07-20.00F20-E	20	144	180	50	20	25	0,39	1	E	P600 . -D20, ..
D4140-07-21.00F20-E	21	151	188	50	20	25	0,43	1	E	P600 . -D21, ..
D4140-07-22.00F25-F	22	158	197	56	25	32	0,6	1	F	P600 . -D22, ..
D4140-07-23.00F25-F	23	165	205	56	25	32	0,64	1	F	P600 . -D23, ..
D4140-07-24.00F25-G	24	172	213	56	25	32	0,68	1	G	P600 . -D24, ..
D4140-07-25.00F25-G	25	180	221	56	25	32	0,71	1	G	P600 . -D25, ..
D4140-07-26.00F25-H	26	187	229	56	25	32	0,8	1	H	P600 . -D26, ..


Bodies and assembly parts are included in the scope of delivery

WALTER SELECT




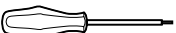
Stability of machine, workpiece and clamping arrangement → Very good = 😊 → Good = 😊 → Moderate = 😊



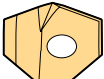
### Assembly parts

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

### Accessories

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

### Interchangeable inserts

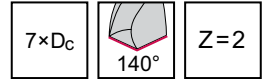
Designation	D <sub>c</sub> mm	P		M	K	N	S
		HC	WMP35	HC	HC	ND	HC
 P6001-D..	12-38						
P6003-D..	12-38						
P6004-D..	12-31,5						
P6005-D..	12-38						
P6006-D..	12-38						

HC = beschichtetes Hartmetall  
ND =

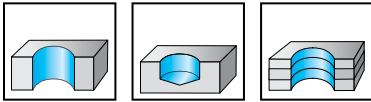
# Exchangeable-tip drills

D4140

**Drion-tec™**

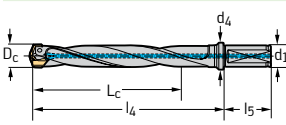


B1



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

## Tool

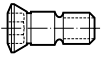


Cylindrical shank with flat




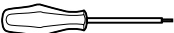
Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-07-27.00F25-H	27	194	237	56	25	32	0,82	1	H	P600 . -D27, ..
D4140-07-28.00F32-J	28	201	246	60	32	40	1	1	J	P600 . -D28, ..
D4140-07-29.00F32-J	29	208	254	60	32	40	1,14	1	J	P600 . -D29, ..
D4140-07-30.00F32-K	30	215	262	60	32	40	1,24	1	K	P600 . -D30, ..
D4140-07-31.00F32-K	31	223	270	60	32	40	1,3	1	K	P600 . -D31, ..
D4140-07-32.00F40-M	32	230	278	70	40	50	1,8	1	M	P600 . -D32, ..
D4140-07-33.00F40-M	33	237	286	70	40	50	1,86	1	M	P600 . -D33, ..
D4140-07-34.00F40-N	34	244	294	70	40	50	1,94	1	N	P600 . -D34, ..
D4140-07-35.00F40-N	35	251	302	70	40	50	2,06	1	N	P600 . -D35, ..
D4140-07-36.00F40-P	36	259	310	70	40	50	2,09	1	P	P600 . -D36, ..
D4140-07-37.00F40-P	37	266	318	70	40	50	2,21	1	P	P600 . -D37, ..

Bodies and assembly parts are included in the scope of delivery

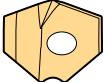
### Assembly parts

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

### Accessories

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

### Interchangeable inserts

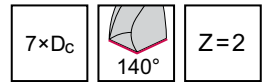
Designation	D <sub>c</sub> mm	P		M		K		N		S	
		WMP35	WPP25	WPP45C	WMP35	WKK45C	WNN25	WMP35	HC	HC	HC
 P6001-D..	12-38										
P6003-D..	12-38										
P6004-D..	12-31,5										
P6005-D..	12-38										
P6006-D..	12-38										

HC = beschichtetes Hartmetall

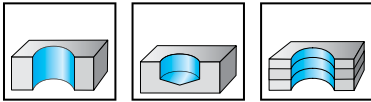
# Exchangeable-tip drills

D4140 inch

**Drion-tec™**

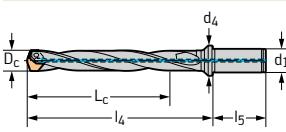


B1



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

## Tool



Cylindrical shank with collar

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

Bodies and assembly parts are included in the scope of delivery

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

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

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

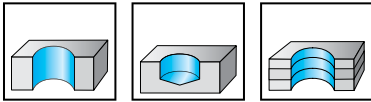
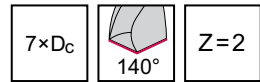
HC = beschichtetes Hartmetall

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

# Exchangeable-tip drills

D4140 inch

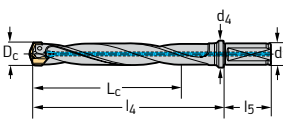
Drion-tec™



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1


## Tool




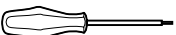


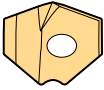
Cylindrical shank with flat

Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Seat size	Version
D4140.07-12.00F15-A	0,472	3,386	116,004	1,890	0,625	0,787	0,366	1	A	P600 . -D12, ..
D4140.07-13.00F15-A	0,512	3,661	123,996	1,890	0,625	0,787	0,39	1	A	P600 . -D13, ..
D4140.07-14.00F15-B	0,551	3,976	132	1,890	0,625	0,787	0,421	1	B	P600 . -D14, ..
D4140.07-15.00F15-B	0,591	4,252	140	1,890	0,625	0,787	0,454	1	B	P600 . -D15, ..
D4140.07-16.00F19-C	0,630	4,528	148,025	2,031	0,750	0,984	0,617	1	C	P600 . -D16, ..
D4140.07-17.00F19-C	0,669	4,803	156	2,031	0,750	0,984	0,697	1	C	P600 . -D17, ..
D4140.07-18.00F19-D	0,709	5,079	164	2,031	0,750	0,984	0,734	1	D	P600 . -D18, ..
D4140.07-19.00F19-D	0,748	5,354	172	2,031	0,750	0,984	0,794	1	D	P600 . -D19, ..
D4140.07-20.00F19-E	0,787	5,669	180	2,031	0,750	0,984	0,858	1	E	P600 . -D20, ..
D4140.07-21.00F19-E	0,827	5,945	188	2,031	0,750	0,984	0,933	1	E	P600 . -D21, ..
D4140.07-22.00F26-F	0,866	6,22	197,004	2,281	1,000	1,260	1,351	1	F	P600 . -D22, ..
D4140.07-23.00F26-F	0,906	6,496	204,996	2,281	1,000	1,260	1,429	1	F	P600 . -D23, ..
D4140.07-24.00F26-G	0,945	6,772	213,002	2,281	1,000	1,260	1,523	1	G	P600 . -D24, ..
D4140.07-25.00F26-G	0,984	7,087	221	2,281	1,000	1,260	1,609	1	G	P600 . -D25, ..
D4140.07-26.00F26-H	1,024	7,362	229,002	2,281	1,000	1,260	1,777	1	H	P600 . -D26, ..
D4140.07-27.00F26-H	1,063	7,638	237,004	2,281	1,000	1,260	1,803	1	H	P600 . -D27, ..
D4140.07-28.00F31-J	1,102	7,913	245,996	2,281	1,250	1,575	2,379	1	J	P600 . -D28, ..
D4140.07-29.00F31-J	1,142	8,189	253,998	2,281	1,250	1,575	2,425	1	J	P600 . -D29, ..
D4140.07-30.00F31-K	1,181	8,465	262	2,281	1,250	1,575	2,844	1	K	P600 . -D30, ..
D4140.07-31.00F31-K	1,22	8,780	270,002	2,281	1,250	1,575	2,811	1	K	P600 . -D31, ..
D4140.07-32.00F31-M	1,260	9,055	278,004	2,281	1,250	1,575	2,866	1	M	P600 . -D32, ..
D4140.07-33.00F31-M	1,299	9,331	285,996	2,281	1,250	1,575	3,263	1	M	P600 . -D33, ..
D4140.07-34.00F38-N	1,339	9,606	293,997	2,688	1,500	1,969	4,034	1	N	P600 . -D34, ..
D4140.07-35.00F38-N	1,378	9,882	301,999	2,688	1,500	1,969	4,255	1	N	P600 . -D35, ..
D4140.07-36.00F38-P	1,417	10,197	310,001	2,688	1,500	1,969	4,359	1	P	P600 . -D36, ..
D4140.07-37.00F38-P	1,457	10,433	318,003	2,688	1,500	1,969	4,592	1	P	P600 . -D37, ..

Bodies and assembly parts are included in the scope of delivery

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

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

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

HC = beschichtetes Hartmetall

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

B1

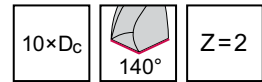
# Exchangeable-tip drills

D4140 inch

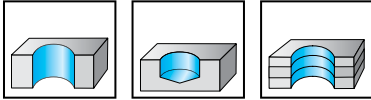
**Drion-tec™**



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



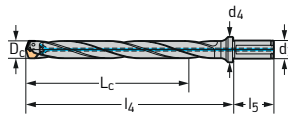
B1



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

## Tool

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



Cylindrical shank with flat

Bodies and assembly parts are included in the scope of delivery



### Assembly parts

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

### Accessories

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

### Interchangeable inserts

Designation	D <sub>c</sub> inch	P		M	K	N	S
		WMP35	WPP25	WPP45C	WMP35	WKK65C	WNN25
P6001-D..	0,472-1,016						
P6003-D..	0,472-1,016						
P6004-D..	0,472-1,004						
P6005-D..	0,472-1,016						
P6006-D..	0,472-1,016						
P6006-D..	0,472-1,016						

HC = beschichtetes Hartmetall

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

B1

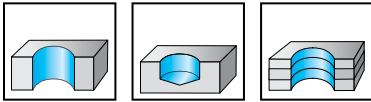
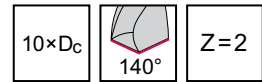
# Exchangeable-tip drills

D4140

**Drion-tec™**



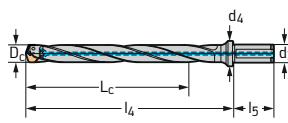
- P6006 - Can be used without pilot drilling up to  $10 \times D_c$



	P	M	K	N	S	H	O
D4140	●	●	●	●	●		

B1

## Tool




Cylindrical shank with flat



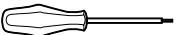
Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Seat size	Version
D4140-10-12.00F16-A	12	120	152	48	16	20	0,16	1	A	P600 . -D12, ..
D4140-10-13.00F16-A	13	130	163	48	16	20	0,18	1	A	P600 . -D13, ..
D4140-10-14.00F16-B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

Bodies and assembly parts are included in the scope of delivery

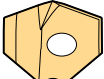
### Assembly parts

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

### Accessories

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

### Interchangeable inserts

Designation	D <sub>c</sub> mm	P		M	K	N	S
		WMP35	WPP25	WPP45C	WPK45C	WNN25	WMP35
	P6001-D..						
	P6001-D..						
	P6003-D..						
	P6004-D..						
	P6005-D..						
	P6006-D..						

HC = beschichtetes Hartmetall

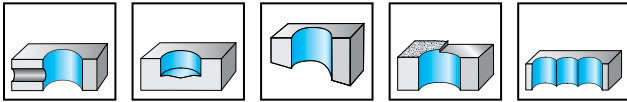
# Indexable insert drills

D4120

Drion-tec™

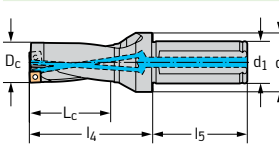
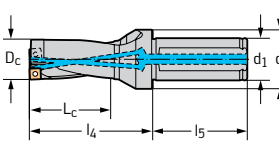
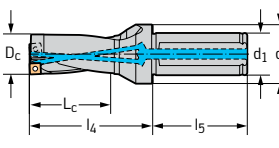


2×D<sub>C</sub>    Z = 1



D4120	P	M	K	N	S	H	O
	●	●	●	●	●		

B1

Tool	Designation	D <sub>C</sub> mm	L <sub>C</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type	
 Cylindrical shank with flat	D4120-02-13.50F20-P41	13,5	27	47	50	20	25	0,2	1 / 1	P484 . P-1R- ... P484 . C-1R- ...	
	D4120-02-14.00F20-P41	14	28	48	50	20	25	0,19	1 / 1		
	D4120-02-14.50F20-P41	14,5	29	49	50	20	25	0,24	1 / 1		
	D4120-02-15.00F20-P41	15	30	50	50	20	25	0,18	1 / 1		
	D4120-02-15.50F20-P41	15,5	31	51	50	20	25	0,21	1 / 1		
	D4120-02-16.00F25-P41	16	32	57	56	25	35	0,37	1 / 1		
	D4120-02-16.50F25-P42	16,5	33	58	56	25	35	0,37	1 / 1		P484 . P-2R- ... P484 . C-2R- ...
	D4120-02-17.00F25-P42	17	34	59	56	25	35	0,37	1 / 1		
	D4120-02-17.50F25-P42	17,5	35	60	56	25	35	0,4	1 / 1		
	D4120-02-18.00F25-P42	18	36	61	56	25	35	0,38	1 / 1		
D4120-02-18.50F25-P42	18,5	37	62	56	25	35	0,32	1 / 1			
 Cylindrical shank with flat	D4120-02-19.00F25-P42	19	38	63	56	25	35	0,39	1 / 1	P484 . P-3R- ... P484 . C-3R- ...	
	D4120-02-19.50F25-P42	19,5	39	64	56	25	35	0,4	1 / 1		
	D4120-02-20.00F25-P42	20	40	65	56	25	35	0,4	1 / 1		
	D4120-02-20.50F25-P43	20,5	41	66	56	25	35	0,39	1 / 1		
	D4120-02-21.00F25-P43	21	42	67	56	25	35	0,4	1 / 1		
	D4120-02-21.50F25-P43	21,5	43	68	56	25	35	0,41	1 / 1		
	D4120-02-22.00F25-P43	22	44	69	56	25	35	0,41	1 / 1		
	D4120-02-22.50F25-P43	22,5	45	70	56	25	35	0,42	1 / 1		
	D4120-02-23.00F25-P43	23	46	71	56	25	35	0,42	1 / 1		
	D4120-02-23.50F25-P43	23,5	47	72	56	25	35	0,43	1 / 1		
 Cylindrical shank with flat	D4120-02-24.00F25-P43	24	48	73	56	25	35	0,44	1 / 1	P484 . P-4R- ... P484 . C-4R- ...	
	D4120-02-24.50F25-P44	24,5	49	74	56	25	35	0,42	1 / 1		
	D4120-02-25.00F25-P44	25	50	75	56	25	35	0,42	1 / 1		
	D4120-02-25.50F32-P44	25,5	51	83	60	32	42	0,69	1 / 1		
	D4120-02-26.00F32-P44	26	52	84	60	32	42	0,72	1 / 1		
	D4120-02-26.50F32-P44	26,5	53	85	60	32	42	0,78	1 / 1		
	D4120-02-27.00F32-P44	27	54	86	60	32	42	0,72	1 / 1		
	D4120-02-27.50F32-P44	27,5	55	87	60	32	42	0,75	1 / 1		
	D4120-02-28.00F32-P44	28	56	88	60	32	42	0,73	1 / 1		
	D4120-02-28.50F32-P44	28,5	57	89	60	32	42	0,74	1 / 1		
D4120-02-29.00F32-P44	29	58	90	60	32	42	0,75	1 / 1			

Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

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

### Assembly parts

D <sub>c</sub> [mm]	13,5-16	16,5-20	20,5-24	24,5-29	29,5-35	35,5-42	43-59
Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

### Accessories

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

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-.R-E67										
	P4840C-.R-E77										
	P4841C-.R-A57										
	P4841C-.R-E57										
	P4840C-2R-E67										
	P4840C-2R-E77										
	P4841C-2R-A57										
	P4841C-2R-E57										
	P4840C-3R-E67										
	P4840C-3R-E77										
P4841C-3R-A57											
P4841C-3R-E57											
	P4840P-.R-A57										
	P4840P-.R-E57										
	P4840P-.R-E67										
	P4840P-.R-E77										
	P4841P-.R-A57										
	P4841P-.R-E57										
	P4840P-2R-A57										
	P4840P-2R-E57										
	P4840P-2R-E67										
	P4840P-2R-E77										
	P4841P-2R-A57										
	P4841P-2R-E57										
	P4840P-3R-A57										
	P4840P-3R-E57										
	P4840P-3R-E67										
	P4840P-3R-E77										
	P4841P-3R-A57										
	P4841P-3R-E57										

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

# Indexable insert drills

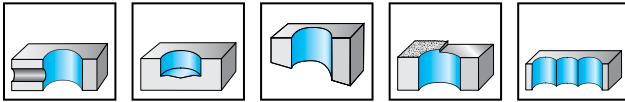
D4120

**Drion-tec™**



2×D<sub>C</sub>    Z=1

B1



P	M	K	N	S	H	O
●	●	●	●	●		

## Tool

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
D4120-02-29.50F32-P45	29,5	59	91	60	32	42	0,79	1 / 1	P484 . P-5R- .. P484 . C-5R- ..
D4120-02-30.00F32-P45	30	60	92	60	32	42	0,77	1 / 1	
* D4120-02-30.50F32-P45	30,5	61	93	60	32	42	0,74	1 / 1	P484 . P-6R- .. P484 . C-6R- ..
D4120-02-31.00F32-P45	31	62	94	60	32	42	0,79	1 / 1	
* D4120-02-31.50F32-P45	31,5	63	95	60	32	42	0,77	1 / 1	
D4120-02-32.00F32-P45	32	64	96	60	32	42	0,82	1 / 1	
* D4120-02-32.50F32-P45	32,5	65	97	60	32	42	0,79	1 / 1	
D4120-02-33.00F32-P45	33	66	98	60	32	42	0,84	1 / 1	
* D4120-02-33.50F32-P45	33,5	67	99	60	32	42	0,82	1 / 1	
D4120-02-34.00F32-P45	34	68	100	60	32	42	0,87	1 / 1	
* D4120-02-34.50F32-P45	34,5	69	101	60	32	42	0,85	1 / 1	
D4120-02-35.00F32-P45	35	70	102	60	32	42	0,9	1 / 1	
* D4120-02-35.50F32-P46	35,5	71	103	60	32	42	0,84	1 / 1	P484 . P-7R- .. P484 . C-7R- ..
D4120-02-36.00F32-P46	36	72	104	60	32	42	0,96	1 / 1	
* D4120-02-36.50F32-P46	36,5	73	105	60	32	42	0,87	1 / 1	
D4120-02-37.00F40-P46	37	74	114	70	40	50	1,43	1 / 1	
* D4120-02-37.50F40-P46	37,5	75	115	70	40	50	1,36	1 / 1	
D4120-02-38.00F40-P46	38	76	116	70	40	50	1,47	1 / 1	
* D4120-02-38.50F40-P46	38,5	77	117	70	40	50	1,39	1 / 1	
D4120-02-39.00F40-P46	39	78	118	70	40	50	1,55	1 / 1	
* D4120-02-39.50F40-P46	39,5	79	119	70	40	50	1,43	1 / 1	
D4120-02-40.00F40-P46	40	80	120	70	40	50	1,45	1 / 1	
* D4120-02-40.50F40-P46	40,5	82	121	70	40	50	1,49	1 / 1	P484 . P-7R- .. P484 . C-7R- ..
D4120-02-41.00F40-P46	41	82	122	70	40	50	1,61	1 / 1	
* D4120-02-41.50F40-P46	41,5	83	123	70	40	50	1,51	1 / 1	
D4120-02-42.00F40-P46	42	84	124	70	40	50	1,64	1 / 1	
D4120-02-43.00F40-P47	43	86	126	70	40	50	1,6	1 / 1	
D4120-02-44.00F40-P47	44	88	128	70	40	50	1,66	1 / 1	
D4120-02-45.00F40-P47	45	90	130	70	40	50	1,7	1 / 1	
D4120-02-46.00F40-P47	46	92	132	70	40	50	1,74	1 / 1	
D4120-02-47.00F40-P47	47	94	134	70	40	50	1,84	1 / 1	
D4120-02-48.00F40-P47	48	96	136	70	40	50	1,85	1 / 1	
D4120-02-49.00F40-P47	49	98	138	70	40	50	1,9	1 / 1	
D4120-02-50.00F40-P47	50	100	140	70	40	50	2,01	1 / 1	

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

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

### Assembly parts

D <sub>c</sub> [mm]	13,5-16	16,5-20	20,5-24	24,5-29	29,5-35	35,5-42	43-59
Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

### Accessories

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

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-.R-E67										
	P4840C-.R-E77										
	P4841C-.R-A57										
	P4841C-.R-E57										
	P4840C-2R-E67										
	P4840C-2R-E77										
	P4841C-2R-A57										
	P4841C-2R-E57										
	P4840C-3R-E67										
	P4840C-3R-E77										
P4841C-3R-A57											
P4841C-3R-E57											
	P4840P-.R-A57										
	P4840P-.R-E57										
	P4840P-.R-E67										
	P4840P-.R-E77										
	P4841P-.R-A57										
	P4841P-.R-E57										
	P4840P-2R-A57										
	P4840P-2R-E57										
	P4840P-2R-E67										
	P4840P-2R-E77										
	P4841P-2R-A57										
	P4841P-2R-E57										
	P4840P-3R-A57										
	P4840P-3R-E57										
	P4840P-3R-E67										
	P4840P-3R-E77										
	P4841P-3R-A57										
	P4841P-3R-E57										

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

# Indexable insert drills

D4120

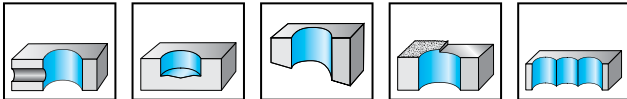
**Drion-tec™**



2×D<sub>c</sub>

Z = 1

B1



P	M	K	N	S	H	O
●	●	●	●	●		

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
<p>Cylindrical shank with flat</p>	D4120-02-51.00F40-P48	51	102	142	70	40	50	2,01	1 / 1	P484 . P-8R-... P484 . C-8R-...
	D4120-02-52.00F40-P48	52	104	144	70	40	50	2,04	1 / 1	
	D4120-02-53.00F40-P48	53	106	146	70	40	50	2,17	1 / 1	
	D4120-02-54.00F40-P48	54	108	148	70	40	50	2,24	1 / 1	
	D4120-02-55.00F40-P48	55	110	150	70	40	50	2,35	1 / 1	
	D4120-02-56.00F40-P48	56	112	152	70	40	50	2,37	1 / 1	
	D4120-02-57.00F40-P48	57	114	154	70	40	50	2,45	1 / 1	
	D4120-02-58.00F40-P48	58	116	156	70	40	50	2,54	1 / 1	
	D4120-02-59.00F40-P48	59	118	158	70	40	50	2,62	1 / 1	

Bodies and assembly parts are included in the scope of delivery



### Assembly parts

D <sub>c</sub> [mm]	13,5-16	16,5-20	20,5-24	24,5-29	29,5-35	35,5-42	43-59
Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

### Accessories

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

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-.R-E67										
	P4840C-.R-E77										
	P4841C-.R-A57										
	P4841C-.R-E57										
	P4840C-2R-E67										
	P4840C-2R-E77										
	P4841C-2R-A57										
	P4841C-2R-E57										
	P4840C-3R-E67										
	P4840C-3R-E77										
P4841C-3R-A57											
P4841C-3R-E57											
	P4840P-.R-A57										
	P4840P-.R-E57										
	P4840P-.R-E67										
	P4840P-.R-E77										
	P4841P-.R-A57										
	P4841P-.R-E57										
	P4840P-2R-A57										
	P4840P-2R-E57										
	P4840P-2R-E67										
	P4840P-2R-E77										
	P4841P-2R-A57										
	P4841P-2R-E57										
	P4840P-3R-A57										
	P4840P-3R-E57										
	P4840P-3R-E67										
	P4840P-3R-E77										
	P4841P-3R-A57										
	P4841P-3R-E57										

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

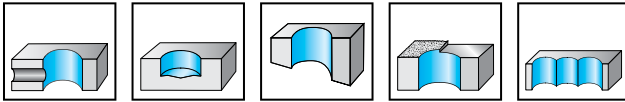
# Indexable insert drills

D4120 inch

**Drion-tec™**



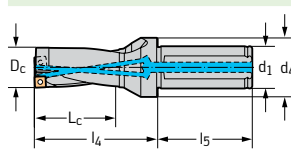
2×D<sub>C</sub>    Z = 1



D4120	P	M	K	N	S	H	O
	●	●	●	●	●		

B1

## Tool



Cylindrical shank with flat

Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
D4120.02-13.49F19-P41	0,531	1,062	46,97	2,031	0,750	1,125	0,509	1 / 1	P484 . P-1R- ... P484 . C-1R- ...
D4120.02-13.89F19-P41	0,547	1,094	47,78	2,031	0,750	1,125	0,511	1 / 1	
D4120.02-14.27F19-P41	0,562	1,124	48,54	2,031	0,750	1,125	0,516	1 / 1	P484 . P-2R- ... P484 . C-2R- ...
D4120.02-14.68F19-P41	0,578	1,156	49,35	2,031	0,750	1,125	0,485	1 / 1	
D4120.02-15.09F19-P41	0,594	1,188	50,17	2,031	0,750	1,125	0,525	1 / 1	
D4120.02-15.47F19-P41	0,609	1,218	50,93	2,031	0,750	1,125	0,529	1 / 1	
D4120.02-15.88F19-P41	0,625	1,250	51,74	2,031	0,750	1,125	0,437	1 / 1	
D4120.02-16.66F26-P42	0,656	1,312	58,67	2,281	1,000	1,375	0,922	1 / 1	
D4120.02-17.04F26-P42	0,671	1,342	59,44	2,281	1,000	1,375	0,926	1 / 1	
D4120.02-17.45F26-P42	0,687	1,374	60,2	2,281	1,000	1,375	0,767	1 / 1	
D4120.02-17.86F26-P42	0,703	1,406	61,21	2,281	1,000	1,375	0,948	1 / 1	
D4120.02-18.24F26-P42	0,718	1,436	61,98	2,281	1,000	1,375	0,891	1 / 1	
D4120.02-19.05F26-P42	0,750	1,500	63,5	2,281	1,000	1,375	0,895	1 / 1	
D4120.02-19.43F26-P42	0,765	1,530	64,26	2,281	1,000	1,375	0,97	1 / 1	
D4120.02-19.84F26-P42	0,781	1,562	65,02	2,281	1,000	1,375	0,882	1 / 1	
D4120.02-20.62F26-P43	0,812	1,624	66,55	2,281	1,000	1,375	0,097	1 / 1	P484 . P-3R- ... P484 . C-3R- ...
D4120.02-21.41F26-P43	0,843	1,686	68,33	2,281	1,000	1,375	0,992	1 / 1	
D4120.02-22.23F31-P43	0,875	1,750	73,15	2,281	1,250	1,625	1,433	1 / 1	P484 . P-4R- ... P484 . C-4R- ...
D4120.02-23.01F31-P43	0,906	1,812	74,68	2,281	1,250	1,625	1,455	1 / 1	
D4120.02-23.39F31-P43	0,921	1,842	75,44	2,281	1,250	1,625	1,466	1 / 1	
D4120.02-23.80F31-P43	0,937	1,874	76,2	2,281	1,250	1,625	1,477	1 / 1	
D4120.02-24.59F31-P44	0,968	1,936	77,98	2,281	1,250	1,625	1,554	1 / 1	
D4120.02-24.99F31-P44	0,984	1,968	78,74	2,281	1,250	1,625	1,398	1 / 1	P484 . P-5R- ... P484 . C-5R- ...
D4120.02-25.40F31-P44	1,000	2,000	79,5	2,281	1,250	1,625	1,576	1 / 1	
D4120.02-26.57F31-P44	1,046	2,092	81,79	2,281	1,250	1,625	1,590	1 / 1	
D4120.02-26.97F31-P44	1,062	2,124	82,55	2,281	1,250	1,625	1,609	1 / 1	
D4120.02-28.17F31-P44	1,109	2,218	85,09	2,281	1,250	1,625	1,66	1 / 1	
D4120.02-28.58F31-P44	1,125	2,250	85,85	2,281	1,250	1,625	1,698	1 / 1	
D4120.02-29.74F31-P45	1,171	2,342	88,14	2,281	1,250	1,625	1,695	1 / 1	P484 . P-5R- ... P484 . C-5R- ...
D4120.02-30.15F31-P45	1,187	2,374	88,9	2,281	1,250	1,625	1,737	1 / 1	
D4120.02-31.75F31-P45	1,250	2,500	92,2	2,281	1,250	1,625	1,808	1 / 1	
D4120.02-33.32F31-P45	1,312	2,624	95,25	2,281	1,250	1,625	1,9	1 / 1	
D4120.02-34.11F31-P45	1,343	2,686	97,03	2,281	1,250	1,625	1,953	1 / 1	
D4120.02-34.93F31-P45	1,375	2,750	98,55	2,281	1,250	1,625	1,993	1 / 1	

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

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

### Assembly parts

D <sub>c</sub> [inch]	0,531–0,625	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,375	1,421–1,625	1,687–2,25
Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,295 lbs	FS2111 (T7IP) 0,664 lbs	FS1454 (T8IP) 0,885 lbs	FS1457 (T9IP) 1,475 lbs	FS2080 (T15IP) 1,844 lbs	FS1453 (T15IP) 2,581 lbs	FS1495 (T20IP) 3,688 lbs

### Accessories

D <sub>c</sub> [inch]	0,531–0,625	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,625	1,687–2,25
Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNI15	WNI15
P4840C-.R-E67	0–0.3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
P4840C-.R-E77	0–0.3								☺	☺	
P4841C-.R-A57	0–0.3	☺	☺	☺	☺	☺	☺	☺			☺
P4841C-.R-E57	0–0.3	☺	☺	☺	☺	☺	☺	☺			☺
P4840C-2R-E67	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840C-2R-E77	0.1								☺	☺	
P4841C-2R-A57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4841C-2R-E57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840C-3R-E67	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840C-3R-E77	0.1								☺	☺	
P4841C-3R-A57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4841C-3R-E57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-.R-A57	0–0.3	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-.R-E57	0–0.3	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-.R-E67	0–0.3	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-.R-E77	0–0.3								☺	☺	
P4841P-.R-A57	0–0.3	☺	☺	☺	☺	☺	☺	☺			☺
P4841P-.R-E57	0–0.3	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-2R-A57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-2R-E57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-2R-E67	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-2R-E77	0.1								☺	☺	
P4841P-2R-A57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4841P-2R-E57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-3R-A57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-3R-E57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-3R-E67	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4840P-3R-E77	0.1								☺	☺	
P4841P-3R-A57	0.1	☺	☺	☺	☺	☺	☺	☺			☺
P4841P-3R-E57	0.1	☺	☺	☺	☺	☺	☺	☺			☺

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

HC = Coated carbide  
HW = Uncoated carbide

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

# Indexable insert drills

D4120 inch

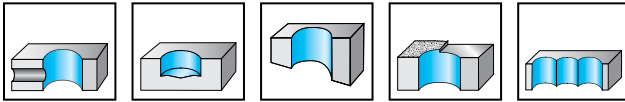
**Drion-tec™**



2×D<sub>C</sub>

Z = 1

B1



D4120	P	M	K	N	S	H	O
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Tool	Designation	D <sub>C</sub> inch	L <sub>C</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
<p>Cylindrical shank with flat</p>	D4120.02-36.09F31-P46	1,421	2,842	100,84	2,281	1,250	1,625	1,94	1 / 1	P484 . P-6R- ... P484 . C-6R- ...
	D4120.02-36.50F38-P46	1,437	2,874	107,95	2,688	1,500	1,940	2,862	1 / 1	
	D4120.02-38.10F38-P46	1,500	3,000	111,25	2,688	1,500	1,940	2,939	1 / 1	
	D4120.02-39.67F38-P46	1,562	3,124	114,3	2,688	1,500	1,940	2,987	1 / 1	
	D4120.02-41.28F38-P46	1,625	3,250	117,6	2,688	1,500	1,940	3,064	1 / 1	
<p>Cylindrical shank with flat</p>	D4120.02-42.85F38-P47	1,687	3,374	120,65	2,688	1,500	1,940	3,025	1 / 1	P484 . P-7R- ... P484 . C-7R- ...
	D4120.02-44.45F38-P47	1,750	3,500	123,95	2,688	1,500	1,940	3,166	1 / 1	
	D4120.02-46.02F38-P47	1,812	3,624	127	2,688	1,500	1,940	3,32	1 / 1	
	D4120.02-47.63F38-P47	1,875	3,750	130,3	2,688	1,500	1,940	3,499	1 / 1	
	D4120.02-49.20F38-P47	1,937	3,874	133,35	2,688	1,500	1,940	3,691	1 / 1	
<p>Cylindrical shank with flat</p>	D4120.02-50.80F51-P48	2,000	4,000	142,75	3,250	2,000	2,440	5,944	1 / 1	P484 . P-8R- ... P484 . C-8R- ...
	D4120.02-52.37F51-P48	2,062	4,124	145,8	3,250	2,000	2,440	6,169	1 / 1	
	D4120.02-53.98F51-P48	2,125	4,250	149,1	3,250	2,000	2,440	6,418	1 / 1	
	D4120.02-55.55F51-P48	2,187	4,374	152,15	3,250	2,000	2,440	6,656	1 / 1	
	D4120.02-57.15F51-P48	2,250	4,500	155,45	3,250	2,000	2,440	6,925	1 / 1	

Bodies and assembly parts are included in the scope of delivery

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

### Assembly parts

D <sub>c</sub> [inch]	0,531–0,625	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,375	1,421–1,625	1,687–2,25
Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,295 lbs	FS2111 (T7IP) 0,664 lbs	FS1454 (T8IP) 0,885 lbs	FS1457 (T9IP) 1,475 lbs	FS2080 (T15IP) 1,844 lbs	FS1453 (T15IP) 2,581 lbs	FS1495 (T20IP) 3,688 lbs

### Accessories

D <sub>c</sub> [inch]	0,531–0,625	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,625	1,687–2,25
Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNI15	WNI15
P4840C-.R-E67											
P4840P-.R-A57											

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

HC = Coated carbide  
HW = Uncoated carbide

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

B1

# Indexable insert drills

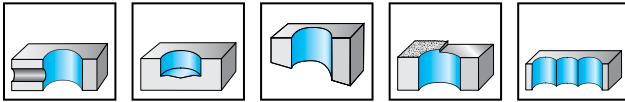
D4120

Drion-tec™



3×D<sub>C</sub>    Z = 1

B1



P	M	K	N	S	H	O
●	●	●	●	●	●	●

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
<p>Cylindrical shank with flat</p>	D4120-03-13.50F20-P41	13,5	40,5	60,5	50	20	25	0,16	1 / 1	P484 . P-1R- ... P484 . C-1R- ...
	D4120-03-14.00F20-P41	14	42	62	50	20	25	0,17	1 / 1	
	D4120-03-14.50F20-P41	14,5	43,5	63,5	50	20	25	0,2	1 / 1	
	D4120-03-15.00F20-P41	15	45	65	50	20	25	0,2	1 / 1	
	D4120-03-15.50F20-P41	15,5	46,5	66,5	50	20	25	0,21	1 / 1	
<p>Cylindrical shank with flat</p>	D4120-03-16.00F25-P41	16	48	73	56	25	35	0,37	1 / 1	
	D4120-03-16.50F25-P42	16,5	49,5	75	56	25	35	0,2	1 / 1	P484 . P-2R- ... P484 . C-2R- ...
	D4120-03-17.00F25-P42	17	51	76	56	25	35	0,35	1 / 1	
	D4120-03-17.50F25-P42	17,5	52,5	77,5	56	25	35	0,4	1 / 1	
	D4120-03-18.00F25-P42	18	54	79	56	25	35	0,4	1 / 1	
	D4120-03-18.50F25-P42	18,5	55,5	80,5	56	25	35	0,39	1 / 1	
	D4120-03-19.00F25-P42	19	57	82	56	25	35	0,4	1 / 1	
	D4120-03-19.50F25-P42	19,5	58,5	84	56	25	35	0,4	1 / 1	
	D4120-03-20.00F25-P42	20	60	85	56	25	35	0,43	1 / 1	
	<p>Cylindrical shank with flat</p>	D4120-03-20.50F25-P43	20,5	61,5	87	56	25	35	0,43	1 / 1
D4120-03-21.00F25-P43		21	63	88	56	25	35	0,43	1 / 1	
D4120-03-21.50F25-P43		21,5	64,5	90	56	25	35	0,44	1 / 1	
D4120-03-22.00F25-P43		22	66	91	56	25	35	0,45	1 / 1	
D4120-03-22.50F25-P43		22,5	67,5	93	56	25	35	0,46	1 / 1	
D4120-03-23.00F25-P43		23	69	94	56	25	35	0,47	1 / 1	
<p>Cylindrical shank with flat</p>	D4120-03-23.50F25-P43	23,5	70,5	96	56	25	35	0,51	1 / 1	
	D4120-03-24.00F25-P43	24	72	97	56	25	35	0,49	1 / 1	
	D4120-03-24.50F25-P44	24,5	73,5	99	56	25	35	0,47	1 / 1	P484 . P-4R- ... P484 . C-4R- ...
	D4120-03-25.00F25-P44	25	75	100	56	25	35	0,48	1 / 1	
	D4120-03-25.50F32-P44	25,5	76,5	109	60	32	42	0,78	1 / 1	
	D4120-03-26.00F32-P44	26	78	110	60	32	42	0,84	1 / 1	
	D4120-03-26.50F32-P44	26,5	79,5	112	60	32	42	0,77	1 / 1	
	D4120-03-27.00F32-P44	27	81	113	60	32	42	0,85	1 / 1	
	D4120-03-27.50F32-P44	27,5	82,5	115	60	32	42	0,83	1 / 1	
	D4120-03-28.00F32-P44	28	84	116	60	32	42	0,83	1 / 1	
D4120-03-28.50F32-P44	28,5	85,5	118	60	32	42	0,91	1 / 1		
D4120-03-29.00F32-P44	29	87	119	60	32	42	0,87	1 / 1		

Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

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

### Assembly parts

D <sub>c</sub> [mm]	13,5-16	16,5-20	20,5-24	24,5-29	29,5-35	35,5-42	43-59	
	Clamping screw for indexable insert	FS2120 (T6IP)	FS2111 (T7IP)	FS1454 (T8IP)	FS1457 (T9IP)	FS2080 (T15IP)	FS1453 (T15IP)	FS1495 (T20IP)
	Tightening torque	0,4 Nm	0,9 Nm	1,2 Nm	2 Nm	2,5 Nm	3,5 Nm	5 Nm

### Accessories

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

### Indexable inserts

Designation	Size	P				M		K		N		S		
		HC	HC	HC	HC	ND	HC	HC	HC	ND	HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WKP35S	WSP45G	WXP40	WKP25S	WKP35S	WKP35S	WNN15	WNN15	WSP45G
	P4840C-.R-E67	1-8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840C-.R-E77	1-8										☺	☺	
	P4841C-.R-A57	1-8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4841C-.R-E57	1-8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840C-2R-E67	2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840C-2R-E77	2										☺	☺	☺
	P4841C-2R-A57	2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4841C-2R-E57	2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840C-3R-E67	3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840C-3R-E77	3										☺	☺	
	P4841C-3R-A57	3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4841C-3R-E57	3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-.R-A57	1-8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-.R-E57	1-8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-.R-E67	1-8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-.R-E77	1-8										☺	☺	
	P4841P-.R-A57	1-8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4841P-.R-E57	1-8	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-2R-A57	2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-2R-E57	2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-2R-E67	2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-2R-E77	2										☺	☺	
	P4841P-2R-A57	2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4841P-2R-E57	2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-3R-A57	3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-3R-E57	3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-3R-E67	3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4840P-3R-E77	3										☺	☺	
	P4841P-3R-A57	3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
	P4841P-3R-E57	3	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺

HC = beschichtetes Hartmetall  
ND = unbeschichtetes Hartmetall

HW = unbeschichtetes Hartmetall

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

# Indexable insert drills

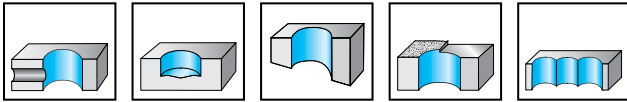
D4120

Drion-tec™



3×D<sub>C</sub>

Z = 1



D4120	P	M	K	N	S	H	O
	●	●	●	●	●		

B1

## Tool

	Designation	D <sub>C</sub> mm	L <sub>C</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
<p>Cylindrical shank with flat</p>	D4120-03-29.50F32-P45	29,5	88,5	121	60	32	42	0,88	1 / 1	P484 . P-5R- ... P484 . C-5R- ...
	D4120-03-30.00F32-P45	30	90	122	60	32	42	0,86	1 / 1	
	* D4120-03-30.50F32-P45	30,5	91,5	124	60	32	42	0,84	1 / 1	
	D4120-03-31.00F32-P45	31	93	125	60	32	42	0,93	1 / 1	
	* D4120-03-31.50F32-P45	31,5	94,5	127	60	32	42	0,88	1 / 1	
	D4120-03-32.00F32-P45	32	96	128	60	32	42	0,95	1 / 1	
	* D4120-03-32.50F32-P45	32,5	97,5	130	60	32	42	0,92	1 / 1	
	D4120-03-33.00F32-P45	33	99	131	60	32	42	1,03	1 / 1	
	* D4120-03-33.50F32-P45	33,5	100,5	133	60	32	42	0,96	1 / 1	
	D4120-03-34.00F32-P45	34	102	134	60	32	42	1,04	1 / 1	
<p>Cylindrical shank with flat</p>	* D4120-03-34.50F32-P45	34,5	103,5	136	60	32	42	1	1 / 1	P484 . P-6R- ... P484 . C-6R- ...
	D4120-03-35.00F32-P45	35	105	137	60	32	42	1,08	1 / 1	
	* D4120-03-35.50F32-P46	35,5	106,5	139	60	32	42	1	1 / 1	
	D4120-03-36.00F32-P46	36	108	140	60	32	42	1,02	1 / 1	
	* D4120-03-36.50F32-P46	36,5	109,5	142	60	32	42	1,04	1 / 1	
	D4120-03-37.00F40-P46	37	111	151	70	40	50	1,68	1 / 1	
	* D4120-03-37.50F40-P46	37,5	112,5	153	70	40	50	1,55	1 / 1	
	D4120-03-38.00F40-P46	38	114	154	70	40	50	1,17	1 / 1	
	* D4120-03-38.50F40-P46	38,5	115,5	156	70	40	50	1,6	1 / 1	
	D4120-03-39.00F40-P46	39	117	157	70	40	50	1,76	1 / 1	
<p>Cylindrical shank with flat</p>	* D4120-03-39.50F40-P46	39,5	118,5	159	70	40	50	1,66	1 / 1	P484 . P-7R- ... P484 . C-7R- ...
	D4120-03-40.00F40-P46	40	120	160	70	40	50	1,8	1 / 1	
	* D4120-03-40.50F40-P46	40,5	121,5	162	70	40	50	1,72	1 / 1	
	D4120-03-41.00F40-P46	41	123	163	70	40	50	1,88	1 / 1	
	* D4120-03-41.50F40-P46	41,5	124,5	165	70	40	50	1,78	1 / 1	
	D4120-03-42.00F40-P46	42	126	166	70	40	50	1,94	1 / 1	
	D4120-03-43.00F40-P47	43	129	169	70	40	50	1,98	1 / 1	
	D4120-03-44.00F40-P47	44	132	172	70	40	50	2,03	1 / 1	
	D4120-03-45.00F40-P47	45	135	175	70	40	50	2,11	1 / 1	
	D4120-03-46.00F40-P47	46	138	178	70	40	50	2,17	1 / 1	
D4120-03-47.00F40-P47	47	141	181	70	40	50	2,18	1 / 1		
D4120-03-48.00F40-P47	48	144	184	70	40	50	2,34	1 / 1		
D4120-03-49.00F40-P47	49	147	187	70	40	50	2,33	1 / 1		
D4120-03-50.00F40-P47	50	150	190	70	40	50	2,5	1 / 1		

Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

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



### Assembly parts

D <sub>c</sub> [mm]	13,5-16	16,5-20	20,5-24	24,5-29	29,5-35	35,5-42	43-59
Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

### Accessories

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

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-.R-E67		☒	☒	☒	☒	☒	☒			☒
	P4840C-.R-E77								☒	☒	
	P4841C-.R-A57		☒	☒	☒	☒	☒				☒
	P4841C-.R-E57		☒	☒	☒	☒	☒				☒
	P4840C-2R-E67		☒	☒	☒	☒	☒				☒
	P4840C-2R-E77								☒	☒	
	P4841C-2R-A57		☒	☒	☒	☒	☒				☒
	P4841C-2R-E57		☒	☒	☒	☒	☒				☒
	P4840C-3R-E67		☒	☒	☒	☒	☒				☒
	P4840C-3R-E77								☒	☒	
P4841C-3R-A57		☒	☒	☒	☒	☒				☒	
P4841C-3R-E57		☒	☒	☒	☒	☒				☒	
	P4840P-.R-A57	☒	☒	☒		☒	☒				☒
	P4840P-.R-E57	☒	☒	☒		☒	☒				☒
	P4840P-.R-E67	☒	☒	☒		☒	☒				☒
	P4840P-.R-E77								☒	☒	
	P4841P-.R-A57	☒	☒	☒		☒	☒				☒
	P4841P-.R-E57	☒	☒	☒		☒	☒				☒
	P4840P-2R-A57	☒	☒	☒		☒	☒				☒
	P4840P-2R-E57	☒	☒	☒		☒	☒				☒
	P4840P-2R-E67	☒	☒	☒		☒	☒				☒
	P4840P-2R-E77								☒	☒	
	P4841P-2R-A57	☒	☒	☒		☒	☒				☒
	P4841P-2R-E57	☒	☒	☒		☒	☒				☒
	P4840P-3R-A57	☒	☒	☒		☒	☒				☒
	P4840P-3R-E57	☒	☒	☒		☒	☒				☒
	P4840P-3R-E67	☒	☒	☒		☒	☒				☒
	P4840P-3R-E77								☒	☒	
	P4841P-3R-A57	☒	☒	☒		☒	☒				☒
	P4841P-3R-E57	☒	☒	☒		☒	☒				☒

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

# Indexable insert drills

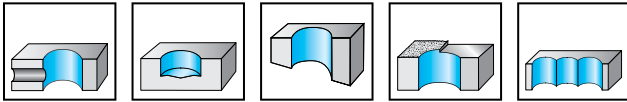
D4120

**Drion-tec™**



3×D<sub>C</sub>    Z = 1

B1



D4120	P	M	K	N	S	H	O
	●●	●●	●●	●●	●●		

Tool		Designation	D <sub>C</sub> mm	L <sub>C</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
<p>Cylindrical shank with flat</p>		D4120-03-51.00F40-P48	51	153	193	70	40	50	2,5	1 / 1	P484 . P-8R-... P484 . C-8R-...
		D4120-03-52.00F40-P48	52	156	196	70	40	50	2,6	1 / 1	
		D4120-03-53.00F40-P48	53	159	199	70	40	50	2,69	1 / 1	
		D4120-03-54.00F40-P48	54	162	202	70	40	50	2,8	1 / 1	
		D4120-03-55.00F40-P48	55	165	205	70	40	50	2,9	1 / 1	
		D4120-03-56.00F40-P48	56	168	208	70	40	50	3	1 / 1	
		D4120-03-57.00F40-P48	57	171	211	70	40	50	3,12	1 / 1	
		D4120-03-58.00F40-P48	58	174	214	70	40	50	3,23	1 / 1	
		D4120-03-59.00F40-P48	59	177	217	70	40	50	3,36	1 / 1	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

D <sub>c</sub> [mm]	13,5-16	16,5-20	20,5-24	24,5-29	29,5-35	35,5-42	43-59
Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,4 Nm	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

### Accessories

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

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-.R-E67										
	P4840C-.R-E77										
	P4841C-.R-A57										
	P4841C-.R-E57										
	P4840C-2R-E67										
	P4840C-2R-E77										
	P4841C-2R-A57										
	P4841C-2R-E57										
	P4840C-3R-E67										
	P4840C-3R-E77										
P4841C-3R-A57											
P4841C-3R-E57											
	P4840P-.R-A57										
	P4840P-.R-E57										
	P4840P-.R-E67										
	P4840P-.R-E77										
	P4841P-.R-A57										
	P4841P-.R-E57										
	P4840P-2R-A57										
	P4840P-2R-E57										
	P4840P-2R-E67										
	P4840P-2R-E77										
	P4841P-2R-A57										
	P4841P-2R-E57										
	P4840P-3R-A57										
	P4840P-3R-E57										
	P4840P-3R-E67										
	P4840P-3R-E77										
	P4841P-3R-A57										
	P4841P-3R-E57										

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

# Indexable insert drills

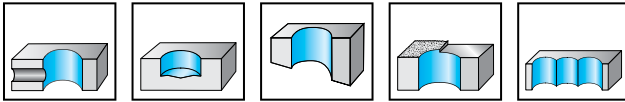
D4120 inch

Drion-tec™



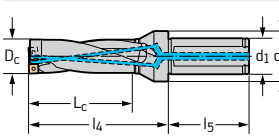
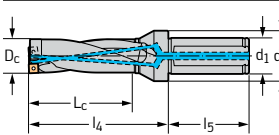
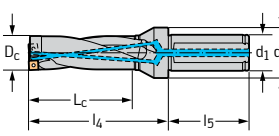
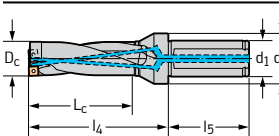
3×D<sub>C</sub>

Z = 1



D4120	●	●	●	●	●	●	●
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B1

Tool	Designation	D <sub>C</sub> inch	L <sub>C</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
 Cylindrical shank with flat	D4120.03-13.49F19-P41	0,531	1,593	60,45	2,031	0,750	1,125	0,419	1 / 1	P484 . P-1R- ... P484 . C-1R- ...
	D4120.03-13.89F19-P41	0,547	1,641	61,67	2,031	0,750	1,125	0,373	1 / 1	
	D4120.03-14.27F19-P41	0,562	1,686	62,81	2,031	0,750	1,125	0,531	1 / 1	
	D4120.03-14.68F19-P41	0,578	1,734	64,03	2,031	0,750	1,125	0,538	1 / 1	
	D4120.03-15.09F19-P41	0,594	1,782	65,25	2,031	0,750	1,125	0,441	1 / 1	
	D4120.03-15.47F19-P41	0,609	1,827	66,4	2,031	0,750	1,125	0,452	1 / 1	
	D4120.03-15.88F19-P41	0,625	1,875	67,62	2,031	0,750	1,125	0,465	1 / 1	
	D4120.03-16.66F26-P42	0,656	1,968	75,44	2,281	1,000	1,375	0,948	1 / 1	P484 . P-2R- ... P484 . C-2R- ...
	D4120.03-17.04F26-P42	0,671	2,013	76,45	2,281	1,000	1,375	0,882	1 / 1	
	D4120.03-17.45F26-P42	0,687	2,061	77,72	2,281	1,000	1,375	0,904	1 / 1	
D4120.03-17.86F26-P42	0,703	2,109	78,99	2,281	1,000	1,375	0,904	1 / 1		
D4120.03-18.24F26-P42	0,718	2,154	80,01	2,281	1,000	1,375	0,926	1 / 1		
D4120.03-19.05F26-P42	0,750	2,250	82,55	2,281	1,000	1,375	0,946	1 / 1		
D4120.03-19.43F26-P42	0,765	2,295	83,82	2,281	1,000	1,375	0,948	1 / 1		
D4120.03-19.84F26-P42	0,781	2,343	84,84	2,281	1,000	1,375	1,036	1 / 1		
 Cylindrical shank with flat	D4120.03-20.62F26-P43	0,812	2,436	87,38	2,281	1,000	1,375	0,974	1 / 1	P484 . P-3R- ... P484 . C-3R- ...
	D4120.03-21.41F26-P43	0,843	2,529	89,66	2,281	1,000	1,375	1,058	1 / 1	
	D4120.03-22.23F31-P43	0,875	2,625	95,5	2,281	1,250	1,625	1,453	1 / 1	
	D4120.03-23.01F31-P43	0,906	2,718	97,79	2,281	1,250	1,625	1,543	1 / 1	
	D4120.03-23.39F31-P43	0,921	2,763	98,81	2,281	1,250	1,625	1,499	1 / 1	
D4120.03-23.80F31-P43	0,937	2,811	100,08	2,281	1,250	1,625	1,521	1 / 1		
 Cylindrical shank with flat	D4120.03-24.59F31-P44	0,968	2,904	102,36	2,281	1,250	1,625	1,477	1 / 1	P484 . P-4R- ... P484 . C-4R- ...
	D4120.03-24.99F31-P44	0,984	2,952	103,63	2,281	1,250	1,625	1,499	1 / 1	
	D4120.03-25.40F31-P44	1,000	3,000	104,9	2,281	1,250	1,625	1,676	1 / 1	
	D4120.03-26.57F31-P44	1,046	3,138	108,46	2,281	1,250	1,625	1,565	1 / 1	
	D4120.03-26.97F31-P44	1,062	3,186	109,73	2,281	1,250	1,625	1,764	1 / 1	
	D4120.03-28.17F31-P44	1,109	3,327	113,28	2,281	1,250	1,625	1,731	1 / 1	
D4120.03-28.58F31-P44	1,125	3,375	114,55	2,281	1,250	1,625	1,764	1 / 1		
 Cylindrical shank with flat	D4120.03-29.74F31-P45	1,171	3,513	117,86	2,281	1,250	1,625	1,764	1 / 1	P484 . P-5R- ... P484 . C-5R- ...
	D4120.03-30.15F31-P45	1,187	3,561	119,13	2,281	1,250	1,625	1,852	1 / 1	
	D4120.03-31.75F31-P45	1,250	3,750	123,95	2,281	1,250	1,625	1,984	1 / 1	
	D4120.03-33.32F31-P45	1,312	3,936	128,78	2,281	1,250	1,625	2,123	1 / 1	
	D4120.03-34.11F31-P45	1,343	4,029	131,06	2,281	1,250	1,625	2,172	1 / 1	
	D4120.03-34.93F31-P45	1,375	4,125	133,6	2,281	1,250	1,625	2,339	1 / 1	

Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

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

### Assembly parts

D <sub>c</sub> [inch]	0,531–0,625	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,375	1,421–1,625	1,687–2,25
Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,295 lbs	FS2111 (T7IP) 0,664 lbs	FS1454 (T8IP) 0,885 lbs	FS1457 (T9IP) 1,475 lbs	FS2080 (T15IP) 1,844 lbs	FS1453 (T15IP) 2,581 lbs	FS1495 (T20IP) 3,688 lbs

### Accessories

D <sub>c</sub> [inch]	0,531–0,625	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,625	1,687–2,25
Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-.R-E67	0-0.3	☒	☒	☒	☒	☒	☒			☒
	P4840C-.R-E77	0-0.3							☒	☒	
	P4841C-.R-A57	0-0.3	☒	☒	☒	☒	☒				☒
	P4841C-.R-E57	0-0.3	☒	☒	☒	☒	☒				☒
	P4840C-2R-E67	0.1	☒	☒	☒	☒	☒				☒
	P4840C-2R-E77	0.1							☒	☒	
	P4841C-2R-A57	0.1	☒	☒	☒	☒	☒				☒
	P4841C-2R-E57	0.1	☒	☒	☒	☒	☒				☒
	P4840C-3R-E67	0.1	☒	☒	☒	☒	☒				☒
	P4840C-3R-E77	0.1							☒	☒	
	P4840P-.R-A57	0-0.3	☒	☒	☒	☒	☒	☒			☒
	P4840P-.R-E57	0-0.3	☒	☒	☒	☒	☒				☒
	P4840P-.R-E67	0-0.3	☒	☒	☒	☒	☒				☒
	P4840P-.R-E77	0-0.3							☒	☒	
	P4841P-.R-A57	0-0.3	☒	☒	☒	☒	☒	☒			☒
	P4841P-.R-E57	0-0.3	☒	☒	☒	☒	☒				☒
	P4840P-2R-A57	0.1	☒	☒	☒	☒	☒				☒
	P4840P-2R-E57	0.1	☒	☒	☒	☒	☒				☒
	P4840P-2R-E67	0.1	☒	☒	☒	☒	☒				☒
	P4840P-2R-E77	0.1							☒	☒	
	P4841P-2R-A57	0.1	☒	☒	☒	☒	☒	☒			☒
	P4841P-2R-E57	0.1	☒	☒	☒	☒	☒				☒
	P4840P-3R-A57	0.1	☒	☒	☒	☒	☒				☒
	P4840P-3R-E57	0.1	☒	☒	☒	☒	☒				☒
	P4840P-3R-E67	0.1	☒	☒	☒	☒	☒				☒
	P4840P-3R-E77	0.1							☒	☒	
	P4841P-3R-A57	0.1	☒	☒	☒	☒	☒	☒			☒
	P4841P-3R-E57	0.1	☒	☒	☒	☒	☒				☒

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

HC = Coated carbide  
HW = Uncoated carbide

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

**Indexable insert drills**

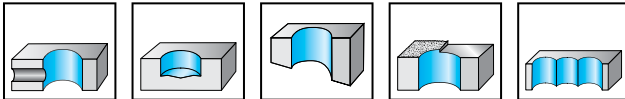
**D4120** inch

**Drion-tec™**

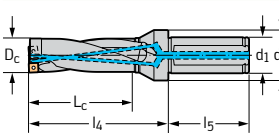
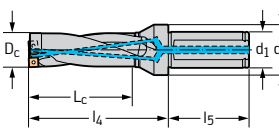
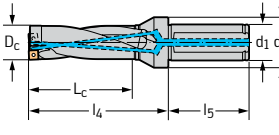


3×D<sub>C</sub>    Z = 1

B1



	P	M	K	N	S	H	O
D4120	●	●	●	●	●	●	●

Tool	Designation	D <sub>C</sub> inch	L <sub>C</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
 Cylindrical shank with flat	D4120.03-36.09F31-P46	1,421	4,263	136,91	2,281	1,250	1,625	2,271	1 / 1	P484 . P-6R- ... P484 . C-6R- ...
	D4120.03-36.50F38-P46	1,437	4,311	144,53	2,688	1,500	1,940	3,086	1 / 1	
	D4120.03-38.10F38-P46	1,500	4,500	149,35	2,688	1,500	1,940	3,362	1 / 1	
	D4120.03-39.67F38-P46	1,562	4,686	154,18	2,688	1,500	1,940	3,461	1 / 1	
	D4120.03-41.28F38-P46	1,625	4,875	159	2,688	1,500	1,940	3,527	1 / 1	
 Cylindrical shank with flat	D4120.03-42.85F38-P47	1,687	5,061	163,58	2,688	1,500	1,940	3,675	1 / 1	P484 . P-7R- ... P484 . C-7R- ...
	D4120.03-44.45F38-P47	1,750	5,250	168,4	2,688	1,500	1,940	3,900	1 / 1	
	D4120.03-46.02F38-P47	1,812	5,436	173,23	2,688	1,500	1,940	4,365	1 / 1	
	D4120.03-47.63F38-P47	1,875	5,625	178,05	2,688	1,500	1,940	4,42	1 / 1	
	D4120.03-49.20F38-P47	1,937	5,811	182,63	2,688	1,500	1,940	4,711	1 / 1	
 Cylindrical shank with flat	D4120.03-50.80F51-P48	2,000	6,000	193,55	3,250	2,000	2,440	7,002	1 / 1	P484 . P-8R- ... P484 . C-8R- ...
	D4120.03-52.37F51-P48	2,062	6,186	198,37	3,250	2,000	2,440	7,322	1 / 1	
	D4120.03-53.98F51-P48	2,125	6,375	203,2	3,250	2,000	2,440	7,685	1 / 1	
	D4120.03-55.55F51-P48	2,187	6,561	207,77	3,250	2,000	2,440	8,047	1 / 1	
	D4120.03-57.15F51-P48	2,250	6,750	212,6	3,250	2,000	2,440	8,508	1 / 1	

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

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

### Assembly parts

D <sub>c</sub> [inch]	0,531–0,625	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,375	1,421–1,625	1,687–2,25
Clamping screw for indexable insert Tightening torque	FS2120 (T6IP) 0,295 lbs	FS2111 (T7IP) 0,664 lbs	FS1454 (T8IP) 0,885 lbs	FS1457 (T9IP) 1,475 lbs	FS2080 (T15IP) 1,844 lbs	FS1453 (T15IP) 2,581 lbs	FS1495 (T20IP) 3,688 lbs

### Accessories

D <sub>c</sub> [inch]	0,531–0,625	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,625	1,687–2,25
Torque screwdriver, analogue	FS2002	FS2002	FS2002	FS2004	FS2004	FS2004
Torque screwdriver, digital			FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNI15	WNI15
P4840C-.R-E67	P4840C-.R-E67	0-0.3	☑	☑	☑	☑	☑	☑			☑
	P4840C-.R-E77	0-0.3							☑	☑	
	P4841C-.R-A57	0-0.3	☑	☑	☑	☑	☑				☑
	P4841C-.R-E57	0-0.3	☑	☑	☑	☑	☑				☑
	P4840C-2R-E67	0.1	☑	☑	☑	☑	☑				☑
	P4840C-2R-E77	0.1							☑	☑	
	P4841C-2R-A57	0.1	☑	☑	☑	☑	☑				☑
	P4841C-2R-E57	0.1	☑	☑	☑	☑	☑				☑
	P4840C-3R-E67	0.1	☑	☑	☑	☑	☑				☑
	P4840C-3R-E77	0.1							☑	☑	
P4840P-.R-A57	P4840P-.R-A57	0-0.3	☑	☑	☑	☑	☑				☑
	P4840P-.R-E57	0-0.3	☑	☑	☑	☑	☑				☑
	P4840P-.R-E67	0-0.3	☑	☑	☑	☑	☑				☑
	P4840P-.R-E77	0-0.3							☑	☑	
	P4841P-.R-A57	0-0.3	☑	☑	☑	☑	☑				☑
	P4841P-.R-E57	0-0.3	☑	☑	☑	☑	☑				☑
	P4840P-2R-A57	0.1	☑	☑	☑	☑	☑				☑
	P4840P-2R-E57	0.1	☑	☑	☑	☑	☑				☑
	P4840P-2R-E67	0.1	☑	☑	☑	☑	☑				☑
	P4840P-2R-E77	0.1							☑	☑	
P4841P-2R-A57	P4841P-2R-A57	0.1	☑	☑	☑	☑	☑				☑
	P4841P-2R-E57	0.1	☑	☑	☑	☑	☑				☑
	P4840P-3R-A57	0.1	☑	☑	☑	☑	☑				☑
	P4840P-3R-E57	0.1	☑	☑	☑	☑	☑				☑
	P4840P-3R-E67	0.1	☑	☑	☑	☑	☑				☑
	P4840P-3R-E77	0.1							☑	☑	
	P4841P-3R-A57	0.1	☑	☑	☑	☑	☑				☑
	P4841P-3R-E57	0.1	☑	☑	☑	☑	☑				☑

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

HC = Coated carbide  
HW = Uncoated carbide

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

# Indexable insert drills

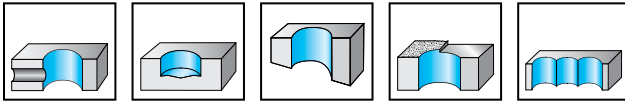
D4120

Drion-tec™



4×D<sub>C</sub>    Z = 1

B1



P	M	K	N	S	H	O
●	●	●	●	●		

Tool	Designation	D <sub>C</sub> mm	L <sub>C</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
Cylindrical shank with flat	★ D4120-04-16.50F25-P42	16,5	66	91	56	25	35	0,36	1 / 1	P484 . P-2R- ... P484 . C-2R- ...
	D4120-04-17.00F25-P42	17	68	93	56	25	35	0,45	1 / 1	
	★ D4120-04-17.50F25-P42	17,5	70	95	56	25	35	0,38	1 / 1	
	D4120-04-18.00F25-P42	18	72	97	56	25	35	0,4	1 / 1	
	★ D4120-04-18.50F25-P42	18,5	74	99	56	25	35	0,39	1 / 1	
	D4120-04-19.00F25-P42	19	76	101	56	25	35	0,47	1 / 1	
Cylindrical shank with flat	★ D4120-04-19.50F25-P42	19,5	78	103	56	25	35	0,41	1 / 1	P484 . P-3R- ... P484 . C-3R- ...
	D4120-04-20.00F25-P42	20	80	105	56	25	35	0,46	1 / 1	
	★ D4120-04-20.50F25-P43	20,5	82	107	56	25	35	0,41	1 / 1	
	D4120-04-21.00F25-P43	21	84	109	56	25	35	0,45	1 / 1	
	★ D4120-04-21.50F25-P43	21,5	86	111	56	25	35	0,43	1 / 1	
	D4120-04-22.00F25-P43	22	88	113	56	25	35	0,53	1 / 1	
Cylindrical shank with flat	★ D4120-04-22.50F25-P43	22,5	90	115	56	25	35	0,45	1 / 1	P484 . P-4R- ... P484 . C-4R- ...
	D4120-04-23.00F25-P43	23	92	117	56	25	35	0,55	1 / 1	
	★ D4120-04-23.50F25-P43	23,5	94	119	56	25	35	0,48	1 / 1	
	D4120-04-24.00F25-P43	24	96	121	56	25	35	0,56	1 / 1	
	★ D4120-04-24.50F25-P44	24,5	98	123	56	25	35	0,48	1 / 1	
	D4120-04-25.00F25-P44	25	100	125	56	25	35	0,58	1 / 1	
	★ D4120-04-25.50F32-P44	25,5	102	134	60	32	42	0,76	1 / 1	
	D4120-04-26.00F32-P44	26	104	136	60	32	42	0,89	1 / 1	
	★ D4120-04-26.50F32-P44	26,5	106	138	60	32	42	0,8	1 / 1	
	D4120-04-27.00F32-P44	27	108	140	60	32	42	0,93	1 / 1	
Cylindrical shank with flat	★ D4120-04-27.50F32-P44	27,5	110	142	60	32	42	0,83	1 / 1	P484 . P-5R- ... P484 . C-5R- ...
	D4120-04-28.00F32-P44	28	112	144	60	32	42	0,96	1 / 1	
	★ D4120-04-28.50F32-P44	28,5	114	146	60	32	42	0,87	1 / 1	
	D4120-04-29.00F32-P44	29	116	148	60	32	42	1	1 / 1	
	★ D4120-04-29.50F32-P45	29,5	118	150	60	32	42	0,9	1 / 1	
	D4120-04-30.00F32-P45	30	120	152	60	32	42	1,02	1 / 1	
	★ D4120-04-30.50F32-P45	30,5	122	154	60	32	42	0,94	1 / 1	
	D4120-04-31.00F32-P45	31	124	156	60	32	42	1,07	1 / 1	
	★ D4120-04-31.50F32-P45	31,5	126	158	60	32	42	0,99	1 / 1	
	D4120-04-32.00F32-P45	32	128	160	60	32	42	1,1	1 / 1	
Cylindrical shank with flat	★ D4120-04-32.50F32-P45	32,5	130	162	60	32	42	1,03	1 / 1	
	D4120-04-33.00F32-P45	33	132	164	60	32	42	1,17	1 / 1	
	★ D4120-04-33.50F32-P45	33,5	134	166	60	32	42	1,09	1 / 1	

Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

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



### Assembly parts

D <sub>c</sub> [mm]	16,5–20	20,5–24	24,5–29	29,5–35,5	36–42	43–59
Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

### Accessories

D <sub>c</sub> [mm]	16,5–20	20,5–24	24,5–29	29,5–42	43–59
Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003	FS2003
Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-2R-E67	2	☒	☒	☒	☒	☒	☒			☒
	P4840C-2R-E77	2							☒	☒	
	P4841C-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4841C-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840C-3R-E67	3	☒	☒	☒	☒	☒				☒
	P4840C-3R-E77	3							☒	☒	
	P4841C-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4841C-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840C-.R-E67	4–8	☒	☒	☒	☒	☒				☒
	P4840C-.R-E77	4–8							☒	☒	
	P4841C-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4841C-.R-E57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E67	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E77	2							☒	☒	
	P4841P-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4841P-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840P-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E67	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E77	3							☒	☒	
	P4841P-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4841P-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840P-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E67	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E77	4–8							☒	☒	
	P4841P-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4841P-.R-E57	4–8	☒	☒	☒	☒	☒				☒

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

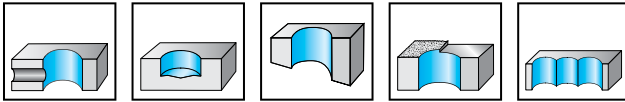
## Indexable insert drills

 D4120 

Drion-tec™



4×D <sub>C</sub>	Z = 1
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D4120	P	M	K	N	S	H	O
	●	●	●	●	●		

B1

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
<p>Cylindrical shank with flat</p>	D4120-04-34.00F32-P45	34	136	168	60	32	42	1,18	1 / 1	P484 . P-5R- ... P484 . C-5R- ...
	* D4120-04-34.50F32-P45	34,5	138	170	60	32	42	1,14	1 / 1	
	D4120-04-35.00F32-P45	35	140	172	60	32	42	1,24	1 / 1	
	* D4120-04-35.50F32-P45	35,5	142	174	60	32	42	1,13	1 / 1	
<p>Cylindrical shank with flat</p>	D4120-04-36.00F32-P46	36	144	176	60	32	42	1,26	1 / 1	P484 . P-6R- ... P484 . C-6R- ...
	* D4120-04-36.50F32-P46	36,5	146	178	60	32	42	1,19	1 / 1	
	D4120-04-37.00F40-P46	37	148	188	70	40	50	1,82	1 / 1	
	* D4120-04-37.50F40-P46	37,5	150	190	70	40	50	1,71	1 / 1	
	D4120-04-38.00F40-P46	38	152	192	70	40	50	1,19	1 / 1	
	* D4120-04-38.50F40-P46	38,5	154	194	70	40	50	1,78	1 / 1	
	D4120-04-39.00F40-P46	39	156	196	70	40	50	1,96	1 / 1	
	* D4120-04-39.50F40-P46	39,5	158	198	70	40	50	1,86	1 / 1	
	D4120-04-40.00F40-P46	40	160	200	70	40	50	2,04	1 / 1	
	* D4120-04-40.50F40-P46	40,5	162	202	70	40	50	1,93	1 / 1	
<p>Cylindrical shank with flat</p>	D4120-04-41.00F40-P46	41	164	204	70	40	50	2,21	1 / 1	P484 . P-7R- ... P484 . C-7R- ...
	* D4120-04-41.50F40-P46	41,5	166	206	70	40	50	2,01	1 / 1	
	D4120-04-42.00F40-P46	42	168	208	70	40	50	2,2	1 / 1	
	D4120-04-43.00F40-P47	43	172	212	70	40	50	2,23	1 / 1	
	D4120-04-44.00F40-P47	44	176	216	70	40	50	2,32	1 / 1	
	D4120-04-45.00F40-P47	45	180	220	70	40	50	2,4	1 / 1	
	D4120-04-46.00F40-P47	46	184	224	70	40	50	2,5	1 / 1	
	D4120-04-47.00F40-P47	47	188	228	70	40	50	2,62	1 / 1	
<p>Cylindrical shank with flat</p>	D4120-04-48.00F40-P47	48	192	232	70	40	50	2,7	1 / 1	P484 . P-8R- ... P484 . C-8R- ...
	D4120-04-49.00F40-P47	49	196	236	70	40	50	2,84	1 / 1	
	D4120-04-50.00F40-P47	50	200	240	70	40	50	2,95	1 / 1	
	D4120-04-51.00F40-P48	51	204	244	70	40	50	2,98	1 / 1	
	D4120-04-52.00F40-P48	52	208	248	70	40	50	3,11	1 / 1	
	D4120-04-53.00F40-P48	53	212	252	70	40	50	3,25	1 / 1	
	D4120-04-54.00F40-P48	54	216	256	70	40	50	3,32	1 / 1	
	D4120-04-55.00F40-P48	55	220	260	70	40	50	3,44	1 / 1	
	D4120-04-56.00F40-P48	56	224	264	70	40	50	3,6	1 / 1	
	D4120-04-57.00F40-P48	57	228	268	70	40	50	3,8	1 / 1	
	D4120-04-58.00F40-P48	58	232	272	70	40	50	3,97	1 / 1	
	D4120-04-59.00F40-P48	59	236	276	70	40	50	4,09	1 / 1	

Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

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

### Assembly parts

D <sub>c</sub> [mm]	16,5–20	20,5–24	24,5–29	29,5–35,5	36–42	43–59
Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

### Accessories

D <sub>c</sub> [mm]	16,5–20	20,5–24	24,5–29	29,5–42	43–59
Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003	FS2003
Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-2R-E67	2	☒	☒	☒	☒	☒	☒			☒
	P4840C-2R-E77	2							☒	☒	
	P4841C-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4841C-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840C-3R-E67	3	☒	☒	☒	☒	☒				☒
	P4840C-3R-E77	3							☒	☒	
	P4841C-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4841C-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840C-.R-E67	4–8	☒	☒	☒	☒	☒				☒
	P4840C-.R-E77	4–8							☒	☒	
	P4841C-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4841C-.R-E57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E67	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E77	2							☒	☒	
	P4841P-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4841P-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840P-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E67	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E77	3							☒	☒	
	P4841P-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4841P-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840P-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E67	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E77	4–8							☒	☒	
	P4841P-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4841P-.R-E57	4–8	☒	☒	☒	☒	☒				☒

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

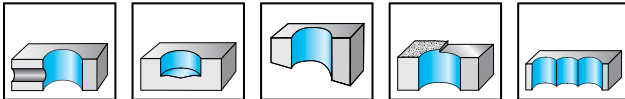
# Indexable insert drills

## D4120 inch

### Drion-tec™

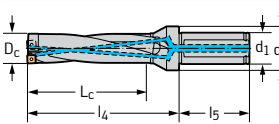
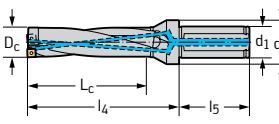
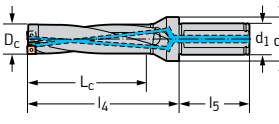
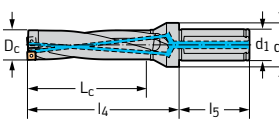
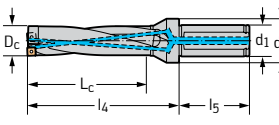
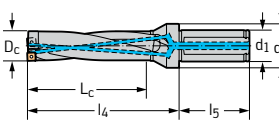


4×D <sub>C</sub>	Z = 1
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D4120	●	●	●	●	●	●	●
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B1

Tool	Designation	D <sub>C</sub> inch	L <sub>C</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
 <p>Cylindrical shank with flat</p>	D4120.04-16.66F26-P42	0,656	2,624	91,95	2,281	1,000	1,375	0,904	1 / 1	P484 . P-2R- ... P484 . C-2R- ...
	D4120.04-17.04F26-P42	0,671	2,684	93,47	2,281	1,000	1,375	0,926	1 / 1	
	D4120.04-17.45F26-P42	0,687	2,748	95,25	2,281	1,000	1,375	0,926	1 / 1	
	D4120.04-17.86F26-P42	0,703	2,812	96,77	2,281	1,000	1,375	0,961	1 / 1	
	D4120.04-18.24F26-P42	0,718	2,872	98,3	2,281	1,000	1,375	0,974	1 / 1	
	D4120.04-19.05F26-P42	0,750	3,000	101,6	2,281	1,000	1,375	0,992	1 / 1	
	D4120.04-19.43F26-P42	0,765	3,060	103,12	2,281	1,000	1,375	1,014	1 / 1	
	D4120.04-19.84F26-P42	0,781	3,124	104,65	2,281	1,000	1,375	1,030	1 / 1	
 <p>Cylindrical shank with flat</p>	D4120.04-20.62F26-P43	0,812	3,248	107,95	2,281	1,000	1,375	1,08	1 / 1	P484 . P-3R- ... P484 . C-3R- ...
	D4120.04-21.41F26-P43	0,843	3,372	111	2,281	1,000	1,375	1,058	1 / 1	
	D4120.04-22.23F31-P43	0,875	3,500	117,6	2,281	1,250	1,625	1,653	1 / 1	
	D4120.04-23.01F31-P43	0,906	3,624	120,65	2,281	1,250	1,625	1,62	1 / 1	
	D4120.04-23.39F31-P43	0,921	3,684	122,17	2,281	1,250	1,625	1,493	1 / 1	
	D4120.04-23.80F31-P43	0,937	3,748	123,95	2,281	1,250	1,625	1,735	1 / 1	
 <p>Cylindrical shank with flat</p>	D4120.04-24.59F31-P44	0,968	3,872	127	2,281	1,250	1,625	1,587	1 / 1	P484 . P-4R- ... P484 . C-4R- ...
	D4120.04-24.99F31-P44	0,984	3,936	128,78	2,281	1,250	1,625	1,795	1 / 1	
	D4120.04-25.40F31-P44	1,000	4,000	130,3	2,281	1,250	1,625	1,812	1 / 1	
	D4120.04-26.57F31-P44	1,046	4,184	134,87	2,281	1,250	1,625	1,764	1 / 1	
	D4120.04-26.97F31-P44	1,062	4,248	136,65	2,281	1,250	1,625	1,925	1 / 1	
	D4120.04-28.17F31-P44	1,109	4,436	141,48	2,281	1,250	1,625	1,896	1 / 1	
	D4120.04-28.58F31-P44	1,125	4,500	143	2,281	1,250	1,625	1,94	1 / 1	
 <p>Cylindrical shank with flat</p>	D4120.04-29.74F31-P45	1,171	4,684	147,57	2,281	1,250	1,625	2,028	1 / 1	P484 . P-5R- ... P484 . C-5R- ...
	D4120.04-30.15F31-P45	1,187	4,748	149,35	2,281	1,250	1,625	2,156	1 / 1	
	D4120.04-31.75F31-P45	1,250	5,000	155,7	2,281	1,250	1,625	2,308	1 / 1	
	D4120.04-33.32F31-P45	1,312	5,248	162,05	2,281	1,250	1,625	2,392	1 / 1	
	D4120.04-34.11F31-P45	1,343	5,372	165	2,281	1,250	1,625	2,359	1 / 1	
	D4120.04-34.93F31-P45	1,375	5,500	168,4	2,281	1,250	1,625	2,685	1 / 1	
 <p>Cylindrical shank with flat</p>	D4120.04-36.09F31-P46	1,421	5,684	172,97	2,281	1,250	1,625	2,394	1 / 1	P484 . P-6R- ... P484 . C-6R- ...
	D4120.04-36.50F38-P46	1,437	5,748	181,1	2,688	1,500	1,940	3,3	1 / 1	
	D4120.04-38.10F38-P46	1,500	6,000	187,45	2,688	1,500	1,940	3,682	1 / 1	
	D4120.04-39.67F38-P46	1,562	6,248	193,8	2,688	1,500	1,940	3,924	1 / 1	
	D4120.04-41.28F38-P46	1,625	6,500	200,15	2,688	1,500	1,940	4,048	1 / 1	
	 <p>Cylindrical shank with flat</p>	D4120.04-42.85F38-P47	1,687	6,748	206,45	2,688	1,500	1,940	4,231	
D4120.04-44.45F38-P47		1,750	7,000	212,85	2,688	1,500	1,940	4,539	1 / 1	
D4120.04-46.02F38-P47		1,812	7,248	219,15	2,688	1,500	1,940	4,868	1 / 1	
D4120.04-47.63F38-P47		1,875	7,500	225,55	2,688	1,500	1,940	5,232	1 / 1	
D4120.04-49.20F38-P47		1,937	7,748	231,85	2,688	1,500	1,940	5,626	1 / 1	

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

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

### Assembly parts

D <sub>c</sub> [inch]	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,375	1,421–1,625	1,687–2,25
Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,664 lbs	FS1454 (T8IP) 0,885 lbs	FS1457 (T9IP) 1,475 lbs	FS2080 (T15IP) 1,844 lbs	FS1453 (T15IP) 2,581 lbs	FS1495 (T20IP) 3,688 lbs

### Accessories

D <sub>c</sub> [inch]	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,625	1,687–2,25
Torque screwdriver, analogue	FS2002	FS2002	FS2004	FS2004	FS2004
Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
P4840C-2R-E67			☞	☞	☞	☞	☞	☞			☞
	P4840C-2R-E77	0.1							☞	☞	
	P4841C-2R-A57	0.1		☞	☞	☞	☞	☞			☞
	P4841C-2R-E57	0.1		☞	☞	☞	☞	☞			☞
	P4840C-3R-E67	0.1		☞	☞	☞	☞	☞			☞
	P4840C-3R-E77	0.1							☞	☞	
	P4841C-3R-A57	0.1		☞	☞	☞	☞	☞			☞
	P4841C-3R-E57	0.1		☞	☞	☞	☞	☞			☞
	P4840C-.R-E67	0.2–0.3		☞	☞	☞	☞	☞			☞
	P4840C-.R-E77	0.2–0.3							☞	☞	
P4841C-.R-A57	0.2–0.3		☞	☞	☞	☞	☞			☞	
P4841C-.R-E57	0.2–0.3		☞	☞	☞	☞	☞			☞	
P4840P-2R-A57			☞	☞	☞	☞	☞	☞			☞
	P4840P-2R-E57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4840P-2R-E67	0.1	☞	☞	☞	☞	☞	☞			☞
	P4840P-2R-E77	0.1							☞	☞	
	P4841P-2R-A57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4841P-2R-E57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4840P-3R-A57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4840P-3R-E57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4840P-3R-E67	0.1	☞	☞	☞	☞	☞	☞			☞
	P4840P-3R-E77	0.1							☞	☞	
	P4841P-3R-A57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4841P-3R-E57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4840P-.R-A57	0.2–0.3	☞	☞	☞	☞	☞	☞			☞
	P4840P-.R-E57	0.2–0.3	☞	☞	☞	☞	☞	☞			☞
	P4840P-.R-E67	0.2–0.3	☞	☞	☞	☞	☞	☞			☞
	P4840P-.R-E77	0.2–0.3							☞	☞	
	P4841P-.R-A57	0.2–0.3	☞	☞	☞	☞	☞	☞			☞
	P4841P-.R-E57	0.2–0.3	☞	☞	☞	☞	☞	☞			☞

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

HC = Coated carbide  
HW = Uncoated carbide

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

B1

# Indexable insert drills

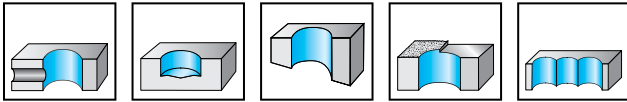
D4120 inch

**Drion-tec™**



4×D <sub>C</sub>	Z = 1
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B1



D4120	P	M	K	N	S	H	O
	●	●	●	●	●	●	●

Tool		D <sub>C</sub> inch	L <sub>C</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
<p>Cylindrical shank with flat</p>	Designation									
	D4120.04-50.80F51-P48	2,000	8,000	244,35	3,250	2,000	2,440	8,128	1 / 1	P484 . P-8R-...
	D4120.04-52.37F51-P48	2,062	8,248	250,65	3,250	2,000	2,440	8,578	1 / 1	P484 . C-8R-...
	D4120.04-53.98F51-P48	2,125	8,500	257,05	3,250	2,000	2,440	9,414	1 / 1	
	D4120.04-55.55F51-P48	2,187	8,748	263,35	3,250	2,000	2,440	9,557	1 / 1	
	D4120.04-57.15F51-P48	2,250	9,000	269,75	3,250	2,000	2,440	10,093	1 / 1	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

D <sub>c</sub> [inch]	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,375	1,421–1,625	1,687–2,25
Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,664 lbs	FS1454 (T8IP) 0,885 lbs	FS1457 (T9IP) 1,475 lbs	FS2080 (T15IP) 1,844 lbs	FS1453 (T15IP) 2,581 lbs	FS1495 (T20IP) 3,688 lbs

### Accessories

D <sub>c</sub> [inch]	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,625	1,687–2,25
Torque screwdriver, analogue	FS2002	FS2002	FS2004	FS2004	FS2004
Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-2R-E67	0.1	☺	☺	☺	☺	☺	☺			☺
	P4840C-2R-E77	0.1							☺	☺	
	P4841C-2R-A57	0.1	☺	☺	☺	☺	☺				☺
	P4841C-2R-E57	0.1	☺	☺	☺	☺	☺				☺
	P4840C-3R-E67	0.1	☺	☺	☺	☺	☺				☺
	P4840C-3R-E77	0.1							☺	☺	
	P4841C-3R-A57	0.1	☺	☺	☺	☺	☺				☺
	P4841C-3R-E57	0.1	☺	☺	☺	☺	☺				☺
	P4840C-.R-E67	0.2–0.3	☺	☺	☺	☺	☺				☺
	P4840C-.R-E77	0.2–0.3							☺	☺	
P4841C-.R-A57	0.2–0.3	☺	☺	☺	☺	☺				☺	
P4841C-.R-E57	0.2–0.3	☺	☺	☺	☺	☺				☺	
	P4840P-2R-A57	0.1	☺	☺	☺	☺	☺				☺
	P4840P-2R-E57	0.1	☺	☺	☺	☺	☺				☺
	P4840P-2R-E67	0.1	☺	☺	☺	☺	☺				☺
	P4840P-2R-E77	0.1							☺	☺	
	P4841P-2R-A57	0.1	☺	☺	☺	☺	☺				☺
	P4841P-2R-E57	0.1	☺	☺	☺	☺	☺				☺
	P4840P-3R-A57	0.1	☺	☺	☺	☺	☺				☺
	P4840P-3R-E57	0.1	☺	☺	☺	☺	☺				☺
	P4840P-3R-E67	0.1	☺	☺	☺	☺	☺				☺
	P4840P-3R-E77	0.1							☺	☺	
	P4841P-3R-A57	0.1	☺	☺	☺	☺	☺				☺
	P4841P-3R-E57	0.1	☺	☺	☺	☺	☺				☺
	P4840P-.R-A57	0.2–0.3	☺	☺	☺	☺	☺				☺
	P4840P-.R-E57	0.2–0.3	☺	☺	☺	☺	☺				☺
	P4840P-.R-E67	0.2–0.3	☺	☺	☺	☺	☺				☺
	P4840P-.R-E77	0.2–0.3							☺	☺	
	P4841P-.R-A57	0.2–0.3	☺	☺	☺	☺	☺				☺
	P4841P-.R-E57	0.2–0.3	☺	☺	☺	☺	☺				☺

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

HC = Coated carbide  
HW = Uncoated carbide

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

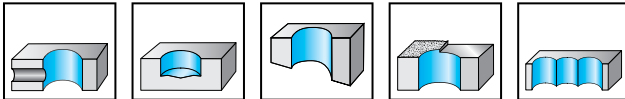
B1

# Indexable insert drills

**D4120** mm
**Drion-tec™**

5×D<sub>C</sub>
Z = 1

B1



P	M	K	N	S	H	O
●	●	●	●	●	●	●

**Tool**

Designation	D <sub>C</sub> mm	L <sub>C</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type	
 Cylindrical shank with flat	★ D4120-05-16.50F25-P42	16,5	82,5	107,5	56	25	0,38	1 / 1	P484 . P-2R- ... P484 . C-2R- ...	
	D4120-05-17.00F25-P42	17	85	110	56	25	0,39	1 / 1		
 Cylindrical shank with flat	★ D4120-05-17.50F25-P42	17,5	87,5	112,5	56	25	0,39	1 / 1	P484 . P-3R- ... P484 . C-3R- ...	
	D4120-05-18.00F25-P42	18	90	115	56	25	0,47	1 / 1		
	★ D4120-05-18.50F25-P42	18,5	92,5	117,5	56	25	0,41	1 / 1		
	D4120-05-19.00F25-P42	19	95	120	56	25	0,49	1 / 1		
	★ D4120-05-19.50F25-P42	19,5	97,5	122,5	56	25	0,43	1 / 1		
	D4120-05-20.00F25-P42	20	100	125	56	25	0,51	1 / 1		
 Cylindrical shank with flat	★ D4120-05-20.50F25-P43	20,5	102,5	127,5	56	25	0,44	1 / 1	P484 . P-4R- ... P484 . C-4R- ...	
	D4120-05-21.00F25-P43	21	105	130	56	25	0,45	1 / 1		
	★ D4120-05-21.50F25-P43	21,5	107,5	132,5	56	25	0,46	1 / 1		
	D4120-05-22.00F25-P43	22	110	135	56	25	0,58	1 / 1		
	★ D4120-05-22.50F25-P43	22,5	112,5	137,5	56	25	0,49	1 / 1		
	D4120-05-23.00F25-P43	23	115	140	56	25	0,62	1 / 1		
	★ D4120-05-23.50F25-P43	23,5	117,5	142,5	56	25	0,52	1 / 1		
	D4120-05-24.00F25-P43	24	120	145	56	25	0,63	1 / 1		
 Cylindrical shank with flat	★ D4120-05-24.50F25-P44	24,5	122,5	147,5	56	25	0,53	1 / 1	P484 . P-5R- ... P484 . C-5R- ...	
	D4120-05-25.00F25-P44	25	125	150	56	25	0,54	1 / 1		
	★ D4120-05-25.50F32-P44	25,5	127,5	159,5	60	32	42	0,82		1 / 1
	D4120-05-26.00F32-P44	26	130	162	60	32	42	0,95		1 / 1
	★ D4120-05-26.50F32-P44	26,5	132,5	164,5	60	32	42	0,86		1 / 1
	D4120-05-27.00F32-P44	27	135	167	60	32	42	1		1 / 1
	★ D4120-05-27.50F32-P44	27,5	137,5	169,5	60	32	42	0,9		1 / 1
	D4120-05-28.00F32-P44	28	140	172	60	32	42	1,03		1 / 1
	★ D4120-05-28.50F32-P44	28,5	142,5	174,5	60	32	42	0,95		1 / 1
	D4120-05-29.00F32-P44	29	145	177	60	32	42	1,1		1 / 1
 Cylindrical shank with flat	★ D4120-05-29.50F32-P45	29,5	147,5	179,5	60	32	42	0,98	1 / 1	
	D4120-05-30.00F32-P45	30	150	182	60	32	42	1,01	1 / 1	
	★ D4120-05-30.50F32-P45	30,5	152,5	184,5	60	32	42	1,03	1 / 1	
	D4120-05-31.00F32-P45	31	155	187	60	32	42	1,18	1 / 1	
	★ D4120-05-31.50F32-P45	31,5	157,5	189,5	60	32	42	1,09	1 / 1	
	D4120-05-32.00F32-P45	32	160	192	60	32	42	1,23	1 / 1	
	★ D4120-05-32.50F32-P45	32,5	162,5	194,5	60	32	42	1,15	1 / 1	
	D4120-05-33.00F32-P45	33	165	197	60	32	42	1,3	1 / 1	
	★ D4120-05-33.50F32-P45	33,5	167,5	199,5	60	32	42	1,21	1 / 1	

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

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



### Assembly parts

D <sub>c</sub> [mm]	16,5–20	20,5–24	24,5–29	29,5–35,5	36–42	43–59
Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

### Accessories

D <sub>c</sub> [mm]	16,5–20	20,5–24	24,5–29	29,5–42	43–59
Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003	FS2003
Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-2R-E67	2	☒	☒	☒	☒	☒	☒			☒
	P4840C-2R-E77	2							☒	☒	
	P4841C-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4841C-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840C-3R-E67	3	☒	☒	☒	☒	☒				☒
	P4840C-3R-E77	3							☒	☒	
	P4841C-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4841C-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840C-.R-E67	4–8	☒	☒	☒	☒	☒				☒
	P4840C-.R-E77	4–8							☒	☒	
P4841C-.R-A57	4–8	☒	☒	☒	☒	☒				☒	
P4841C-.R-E57	4–8	☒	☒	☒	☒	☒				☒	
	P4840P-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E67	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E77	2							☒	☒	
	P4841P-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4841P-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840P-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E67	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E77	3							☒	☒	
	P4841P-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4841P-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840P-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E67	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E77	4–8							☒	☒	
	P4841P-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4841P-.R-E57	4–8	☒	☒	☒	☒	☒				☒

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

# Indexable insert drills

D4120

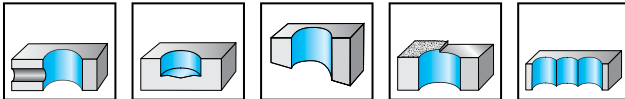
Drion-tec™



5×D<sub>C</sub>

Z = 1

B1



D4120	P	M	K	N	S	H	O
	●●		●●	●●			

Tool	Designation	D <sub>C</sub> mm	L <sub>C</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
<p>Cylindrical shank with flat</p>	D4120-05-34.00F32-P45	34	170	202	60	32	42	1,37	1 / 1	P484 . P-5R- ... P484 . C-5R- ...
	★ D4120-05-34.50F32-P45	34,5	172,5	204,5	60	32	42	1,28	1 / 1	
	D4120-05-35.00F32-P45	35	175	207	60	32	42	1,45	1 / 1	
	★ D4120-05-35.50F32-P45	35,5	177,5	209,5	60	32	42	1,28	1 / 1	
<p>Cylindrical shank with flat</p>	D4120-05-36.00F32-P46	36	180	212	60	32	42	1,32	1 / 1	P484 . P-6R- ... P484 . C-6R- ...
	★ D4120-05-36.50F32-P46	36,5	182,5	214,5	60	32	50	1,35	1 / 1	
	D4120-05-37.00F40-P46	37	185	225	70	40	50	1,45	1 / 1	
	★ D4120-05-37.50F40-P46	37,5	187,5	227,5	70	40	50	1,89	1 / 1	
	D4120-05-38.00F40-P46	38	190	230	70	40	50	2,02	1 / 1	
	★ D4120-05-38.50F40-P46	38,5	192,5	232,5	70	40	50	1,97	1 / 1	
	D4120-05-39.00F40-P46	39	195	235	70	40	50	2,09	1 / 1	
	★ D4120-05-39.50F40-P46	39,5	197,5	237,5	70	40	50	2,06	1 / 1	
	D4120-05-40.00F40-P46	40	200	240	70	40	50	2,17	1 / 1	
	★ D4120-05-40.50F40-P46	40,5	202,5	242,5	70	40	50	2,16	1 / 1	
<p>Cylindrical shank with flat</p>	D4120-05-41.00F40-P46	41	205	245	70	40	50	2,35	1 / 1	P484 . P-7R- ... P484 . C-7R- ...
	★ D4120-05-41.50F40-P46	41,5	207,5	247,5	70	40	50	2,26	1 / 1	
	D4120-05-42.00F40-P46	42	210	250	70	40	50	2,45	1 / 1	
	D4120-05-43.00F40-P47	43	215	255	70	40	50	2,54	1 / 1	
	D4120-05-44.00F40-P47	44	220	260	70	40	50	2,65	1 / 1	
	D4120-05-45.00F40-P47	45	225	265	70	40	50	2,75	1 / 1	
	D4120-05-46.00F40-P47	46	230	270	70	40	50	2,87	1 / 1	
	D4120-05-47.00F40-P47	47	235	275	70	40	50	2,99	1 / 1	
<p>Cylindrical shank with flat</p>	D4120-05-48.00F40-P47	48	240	280	70	40	50	3,08	1 / 1	P484 . P-8R- ... P484 . C-8R- ...
	D4120-05-49.00F40-P47	49	245	285	70	40	50	3,26	1 / 1	
	D4120-05-50.00F40-P47	50	250	290	70	40	50	3,39	1 / 1	
	D4120-05-51.00F40-P48	51	255	295	70	40	50	3,45	1 / 1	
	D4120-05-52.00F40-P48	52	260	300	70	40	50	3,61	1 / 1	
	D4120-05-53.00F40-P48	53	265	305	70	40	50	3,74	1 / 1	
	D4120-05-54.00F40-P48	54	270	310	70	40	50	3,86	1 / 1	
	D4120-05-55.00F40-P48	55	275	315	70	40	50	4,07	1 / 1	
	D4120-05-56.00F40-P48	56	280	320	70	40	50	4,22	1 / 1	
	D4120-05-57.00F40-P48	57	285	325	70	40	50	4,2	1 / 1	
	D4120-05-58.00F40-P48	58	290	330	70	40	50	4,39	1 / 1	
	D4120-05-59.00F40-P48	59	295	335	70	40	50	4,8	1 / 1	

Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

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### Assembly parts

D <sub>c</sub> [mm]	16,5–20	20,5–24	24,5–29	29,5–35,5	36–42	43–59
Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm	FS1454 (T8IP) 1,2 Nm	FS1457 (T9IP) 2 Nm	FS2080 (T15IP) 2,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1495 (T20IP) 5 Nm

### Accessories

D <sub>c</sub> [mm]	16,5–20	20,5–24	24,5–29	29,5–42	43–59
Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003	FS2003
Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-2R-E67	2	☒	☒	☒	☒	☒	☒			☒
	P4840C-2R-E77	2							☒	☒	
	P4841C-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4841C-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840C-3R-E67	3	☒	☒	☒	☒	☒				☒
	P4840C-3R-E77	3							☒	☒	
	P4841C-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4841C-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840C-.R-E67	4–8	☒	☒	☒	☒	☒				☒
	P4840C-.R-E77	4–8							☒	☒	
P4841C-.R-A57	4–8	☒	☒	☒	☒	☒				☒	
P4841C-.R-E57	4–8	☒	☒	☒	☒	☒				☒	
	P4840P-2R-A57	2	☒	☒	☒	☒	☒	☒			☒
	P4840P-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E67	2	☒	☒	☒	☒	☒				☒
	P4840P-2R-E77	2							☒	☒	
	P4841P-2R-A57	2	☒	☒	☒	☒	☒				☒
	P4841P-2R-E57	2	☒	☒	☒	☒	☒				☒
	P4840P-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E67	3	☒	☒	☒	☒	☒				☒
	P4840P-3R-E77	3							☒	☒	
	P4841P-3R-A57	3	☒	☒	☒	☒	☒				☒
	P4841P-3R-E57	3	☒	☒	☒	☒	☒				☒
	P4840P-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E57	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E67	4–8	☒	☒	☒	☒	☒				☒
	P4840P-.R-E77	4–8							☒	☒	
	P4841P-.R-A57	4–8	☒	☒	☒	☒	☒				☒
	P4841P-.R-E57	4–8	☒	☒	☒	☒	☒				☒

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

# Indexable insert drills

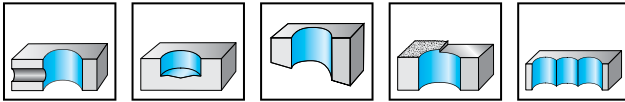
## D4120 inch

### Drion-tec™


 5×D<sub>c</sub>

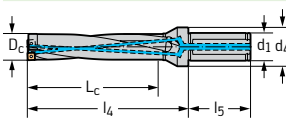
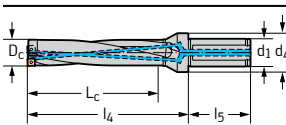
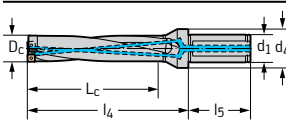
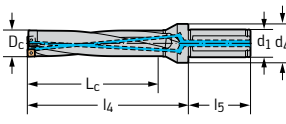
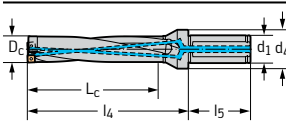
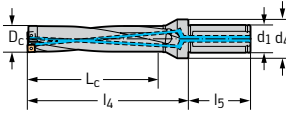
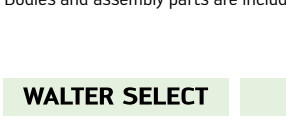
Z = 1

B1



P	M	K	N	S	H	O
●	●	●	●	●	●	●

#### Tool

Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
 D4120.05-16.66F26-P42	0,656	3,280	108,71	2,281	1,000	1,375	1,030	1 / 1	P484 . P-2R- ... P484 . C-2R- ...
D4120.05-17.04F26-P42	0,671	3,355	110,62	2,281	1,000	1,375	1,047	1 / 1	
D4120.05-17.45F26-P42	0,687	3,435	112,65	2,281	1,000	1,375	1,071	1 / 1	
D4120.05-17.86F26-P42	0,703	3,515	114,68	2,281	1,000	1,375	1,049	1 / 1	
D4120.05-18.24F26-P42	0,718	3,590	116,59	2,281	1,000	1,375	1,107	1 / 1	
D4120.05-19.05F26-P42	0,750	3,750	120,65	2,281	1,000	1,375	1,177	1 / 1	
D4120.05-19.43F26-P42	0,765	3,825	122,56	2,281	1,000	1,375	1,118	1 / 1	
D4120.05-19.84F26-P42	0,781	3,905	124,59	2,281	1,000	1,375	1,135	1 / 1	
 D4120.05-20.62F26-P43	0,812	4,06	128,52	2,281	1,000	1,375	1,155	1 / 1	P484 . P-3R- ... P484 . C-3R- ...
D4120.05-21.41F26-P43	0,843	4,215	132,46	2,281	1,000	1,375	1,239	1 / 1	
D4120.05-22.23F31-P43	0,875	4,375	139,83	2,281	1,250	1,625	1,720	1 / 1	
D4120.05-23.01F31-P43	0,906	4,530	143,76	2,281	1,250	1,625	1,775	1 / 1	
 D4120.05-23.39F31-P43	0,921	4,605	145,67	2,281	1,250	1,625	1,799	1 / 1	P484 . P-4R- ... P484 . C-4R- ...
D4120.05-23.80F31-P43	0,937	4,685	147,7	2,281	1,250	1,625	1,830	1 / 1	
D4120.05-24.59F31-P44	0,968	4,840	151,64	2,281	1,250	1,625	1,874	1 / 1	
D4120.05-24.99F31-P44	0,984	4,92	153,67	2,281	1,250	1,625	1,764	1 / 1	
D4120.05-25.40F31-P44	1,000	5,000	155,7	2,362	1,250	1,625	1,94	1 / 1	
D4120.05-26.57F31-P44	1,046	5,230	161,54	2,281	1,250	1,625	2,064	1 / 1	
D4120.05-26.97F31-P44	1,062	5,31	163,58	2,281	1,250	1,625	2,072	1 / 1	
D4120.05-28.17F31-P44	1,109	5,545	169,55	2,281	1,250	1,625	2,22	1 / 1	
 D4120.05-28.58F31-P44	1,125	5,625	171,58	2,281	1,250	1,625	2,227	1 / 1	P484 . P-5R- ... P484 . C-5R- ...
D4120.05-29.74F31-P45	1,171	5,855	177,42	2,281	1,250	1,625	2,33	1 / 1	
D4120.05-30.15F31-P45	1,187	5,935	179,45	2,281	1,250	1,625	2,374	1 / 1	
D4120.05-31.75F31-P45	1,250	6,250	187,45	2,281	1,250	1,625	2,579	1 / 1	
D4120.05-33.32F31-P45	1,312	6,56	195,33	2,281	1,250	1,625	2,789	1 / 1	
 D4120.05-34.11F31-P45	1,343	6,715	199,26	2,281	1,250	1,625	2,908	1 / 1	P484 . P-6R- ... P484 . C-6R- ...
D4120.05-34.93F31-P45	1,375	6,875	203,33	2,281	1,250	1,625	2,91	1 / 1	
D4120.05-36.09F31-P46	1,421	7,105	209,17	2,281	1,250	1,625	2,932	1 / 1	
D4120.05-36.50F38-P46	1,437	7,185	217,55	2,688	1,500	1,940	3,814	1 / 1	
D4120.05-38.10F38-P46	1,500	7,500	225,55	2,688	1,500	1,940	4,079	1 / 1	
 D4120.05-39.67F38-P46	1,562	7,81	233,43	2,688	1,500	1,940	4,597	1 / 1	P484 . P-7R- ... P484 . C-7R- ...
D4120.05-41.28F38-P46	1,625	8,125	241,43	2,688	1,500	1,940	4,579	1 / 1	
D4120.05-42.85F38-P47	1,687	8,435	249,3	2,688	1,500	1,940	4,665	1 / 1	
D4120.05-44.45F38-P47	1,750	8,750	257,3	2,688	1,500	1,940	5,146	1 / 1	
D4120.05-46.02F38-P47	1,812	9,06	265,18	2,688	1,500	1,940	5,54	1 / 1	
 D4120.05-47.63F38-P47	1,875	9,375	273,18	2,688	1,500	1,940	5,977	1 / 1	P484 . P-7R- ... P484 . C-7R- ...
D4120.05-49.20F38-P47	1,937	9,685	281,05	2,688	1,500	1,940	6,446	1 / 1	

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

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

### Assembly parts

D <sub>c</sub> [inch]	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,375	1,421–1,625	1,687–2,25
Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,664 lbs	FS1454 (T8IP) 0,885 lbs	FS1457 (T9IP) 1,475 lbs	FS2080 (T15IP) 1,844 lbs	FS1453 (T15IP) 2,581 lbs	FS1495 (T20IP) 3,688 lbs

### Accessories

D <sub>c</sub> [inch]	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,625	1,687–2,25
Torque screwdriver, analogue	FS2002	FS2002	FS2004	FS2004	FS2004
Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
P4840C-2R-E67	0.1	☞	☞	☞	☞	☞	☞				☞
P4840C-2R-E77	0.1							☞	☞		
P4841C-2R-A57	0.1	☞	☞	☞	☞	☞					☞
P4841C-2R-E57	0.1	☞	☞	☞	☞	☞					☞
P4840C-3R-E67	0.1	☞	☞	☞	☞	☞					☞
P4840C-3R-E77	0.1							☞	☞		
P4841C-3R-A57	0.1	☞	☞	☞	☞	☞					☞
P4841C-3R-E57	0.1	☞	☞	☞	☞	☞					☞
P4840C-.R-E67	0.2–0.3	☞	☞	☞	☞	☞					☞
P4840C-.R-E77	0.2–0.3							☞	☞		
P4841C-.R-A57	0.2–0.3	☞	☞	☞	☞	☞					☞
P4841C-.R-E57	0.2–0.3	☞	☞	☞	☞	☞					☞
P4840P-2R-A57	0.1	☞	☞	☞	☞	☞					☞
P4840P-2R-E57	0.1	☞	☞	☞	☞	☞					☞
P4840P-2R-E67	0.1	☞	☞	☞	☞	☞					☞
P4840P-2R-E77	0.1							☞	☞		
P4841P-2R-A57	0.1	☞	☞	☞	☞	☞					☞
P4841P-2R-E57	0.1	☞	☞	☞	☞	☞					☞
P4840P-3R-A57	0.1	☞	☞	☞	☞	☞					☞
P4840P-3R-E57	0.1	☞	☞	☞	☞	☞					☞
P4840P-3R-E67	0.1	☞	☞	☞	☞	☞					☞
P4840P-3R-E77	0.1							☞	☞		
P4841P-3R-A57	0.1	☞	☞	☞	☞	☞					☞
P4841P-3R-E57	0.1	☞	☞	☞	☞	☞					☞
P4840P-.R-A57	0.2–0.3	☞	☞	☞	☞	☞					☞
P4840P-.R-E57	0.2–0.3	☞	☞	☞	☞	☞					☞
P4840P-.R-E67	0.2–0.3	☞	☞	☞	☞	☞					☞
P4840P-.R-E77	0.2–0.3							☞	☞		
P4841P-.R-A57	0.2–0.3	☞	☞	☞	☞	☞					☞
P4841P-.R-E57	0.2–0.3	☞	☞	☞	☞	☞					☞

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

HC = Coated carbide  
HW = Uncoated carbide

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

B1

# Indexable insert drills

D4120 inch

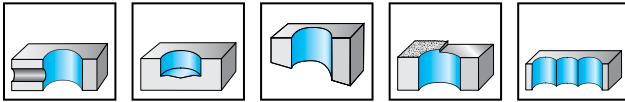
**Drion-tec™**



5×D<sub>c</sub>

Z = 1

B1



P	M	K	N	S	H	O
●	●	●	●	●	●	●

Tool	Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
<p>Cylindrical shank with flat</p>	D4120.05-50.80F51-P48	2,000	10,000	295,15	3,250	2,000	2,440	9,132	1 / 1	P484 . P-8R-... P484 . C-8R-...
	D4120.05-52.37F51-P48	2,062	10,31	303,02	3,250	2,000	2,440	9,685	1 / 1	
	D4120.05-53.98F51-P48	2,125	10,625	311,02	3,250	2,000	2,440	10,28	1 / 1	
	D4120.05-55.55F51-P48	2,187	10,935	318,9	3,250	2,000	2,440	10,895	1 / 1	
	D4120.05-57.15F51-P48	2,250	11,250	326,9	3,250	2,000	2,440	11,559	1 / 1	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

D <sub>c</sub> [inch]	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,375	1,421–1,625	1,687–2,25
Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,664 lbs	FS1454 (T8IP) 0,885 lbs	FS1457 (T9IP) 1,475 lbs	FS2080 (T15IP) 1,844 lbs	FS1453 (T15IP) 2,581 lbs	FS1495 (T20IP) 3,688 lbs

### Accessories

D <sub>c</sub> [inch]	0,656–0,781	0,812–0,937	0,968–1,125	1,171–1,625	1,687–2,25
Torque screwdriver, analogue	FS2002	FS2002	FS2004	FS2004	FS2004
Torque screwdriver, digital		FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2011 (T7IP)	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS2088 (T7IP)	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNN15
	P4840C-2R-E67	0.1	☞	☞	☞	☞	☞	☞			☞
	P4840C-2R-E77	0.1							☞	☞	
	P4841C-2R-A57	0.1	☞	☞	☞	☞	☞				☞
	P4841C-2R-E57	0.1	☞	☞	☞	☞	☞				☞
	P4840C-3R-E67	0.1	☞	☞	☞	☞	☞				☞
	P4840C-3R-E77	0.1							☞	☞	
	P4841C-3R-A57	0.1	☞	☞	☞	☞	☞				☞
	P4841C-3R-E57	0.1	☞	☞	☞	☞	☞				☞
	P4840C-.R-E67	0.2–0.3	☞	☞	☞	☞	☞				☞
	P4840C-.R-E77	0.2–0.3							☞	☞	
	P4840P-2R-A57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4840P-2R-E57	0.1	☞	☞	☞	☞	☞				☞
	P4840P-2R-E67	0.1	☞	☞	☞	☞	☞				☞
	P4840P-2R-E77	0.1							☞	☞	
	P4841P-2R-A57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4841P-2R-E57	0.1	☞	☞	☞	☞	☞				☞
	P4840P-3R-A57	0.1	☞	☞	☞	☞	☞				☞
	P4840P-3R-E57	0.1	☞	☞	☞	☞	☞				☞
	P4840P-3R-E67	0.1	☞	☞	☞	☞	☞				☞
	P4840P-3R-E77	0.1							☞	☞	
	P4841P-3R-A57	0.1	☞	☞	☞	☞	☞	☞			☞
	P4841P-3R-E57	0.1	☞	☞	☞	☞	☞				☞
	P4840P-.R-A57	0.2–0.3	☞	☞	☞	☞	☞				☞
	P4840P-.R-E57	0.2–0.3	☞	☞	☞	☞	☞				☞
	P4840P-.R-E67	0.2–0.3	☞	☞	☞	☞	☞				☞
	P4840P-.R-E77	0.2–0.3							☞	☞	
	P4841P-.R-A57	0.2–0.3	☞	☞	☞	☞	☞	☞			☞
	P4841P-.R-E57	0.2–0.3	☞	☞	☞	☞	☞				☞

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

HC = Coated carbide  
HW = Uncoated carbide

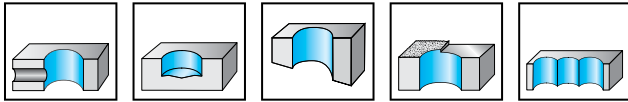
**WALTER SELECT** Stability of machine, workpiece and clamping arrangement → Very good = ☞ → Good = ☞ → Moderate = ☞

# Indexable insert drill with cartridge

D4170



B1



$D_c$   
65-80

$3 \times D_c$

$Z = 1$

	P	M	K	N	S	H	O
D4170	●	●	●	●	●		

Tool	Designation	$D_c$ mm	$L_c$ mm	$l_4$ mm	$d_1$ mm	$d_1$	kg	No. of inserts	Type
<p>Modular NCT adaptor</p>	D4170-03-65.00N8-P45	65	195	245	80	NCT 80	4,32	3 / 1	P484 . P-5R- .. P484 . C-5R- ..
	D4170-03-68.00N8-P46	68	204	254	80	NCT 80	4,4	3 / 1	P484 . P-6R- .. P484 . C-6R- ..
	D4170-03-70.00N8-P46	70	210	260	80	NCT 80	4,64	3 / 1	
	D4170-03-78.00N8-P46	78	234	284	80	NCT 80	6,13	3 / 1	
	D4170-03-80.00N8-P45	80	240	290	80	NCT 80	6,33	5 / 1	P484 . P-5R- .. P484 . C-5R- ..

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



### Assembly parts

D <sub>c</sub> [mm]	65	68	70	78	80
Clamping screw for indexable insert Tightening torque	FS1453 (T15IP) 3,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1453 (T15IP) 3,5 Nm	FS1453 (T15IP) 3,5 Nm
Internal cartridge	FR737C-5	FR743C-6	FR743C-6	FR743C-6	FR737C-5
External cartridge 1	FR738P-5	FR744P-6	FR744P-6	FR744P-6	FR738P-5
Adjusting screw, radial					
External cartridge 2	FR741P-5	FR745P-6	FR746P-6	FR748P-6	FR739P-5
External cartridge 2 Clamping screw for Tightening torque	FS1149 (SW 4) 5 Nm	FS1149 (SW 4) 5 Nm	FS1149 (SW 4) 5 Nm	FS1149 (SW 4) 5 Nm	FS1149 (SW 4) 5 Nm
External cartridge 2 Clamping screw for Tightening torque	FS966 (SW 5) 8 Nm	FS966 (SW 5) 8 Nm	FS966 (SW 5) 8 Nm	FS966 (SW 5) 8 Nm	FS966 (SW 5) 8 Nm

### Accessories

D <sub>c</sub> [mm]	65–80
Torque screwdriver, analogue	FS2003
Torque screwdriver, digital	FS2248
Interchangeable blade	FS2014 (T15IP)
External cartridge 2 ISO 2936 key for	ISO2936-4 (SW 4)
External cartridge 2 ISO 2936 key for	ISO2936-5 (SW 5)
Screwdriver	FS1485 (T15IP)

Three external cartridges 1 (FR738P-5) are fitted in tools with the diameter D<sub>c</sub> = 80 mm

### Indexable inserts

Designation	Size	P				M		K		N		S
		HC				HC		HC		HC	HW	HC
		WKP255	WKP355	WSP45G	WXP40	WSP45G	WXP40	WKP255	WKP355	WNN15	WN15	WSP45G
P4840C-.R-E67	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
	P4840C-.R-E77	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
	P4841C-.R-A57	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
	P4841C-.R-E57	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
P4840P-.R-A57	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
	P4840P-.R-E57	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
	P4840P-.R-E67	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
	P4840P-.R-E77	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
	P4841P-.R-A57	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
	P4841P-.R-E57	5-6	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹

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

HC = Coated carbide  
HW = Uncoated carbide

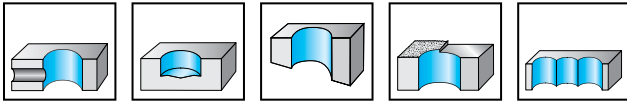
**WALTER SELECT** Stability of machine, workpiece and clamping arrangement → Very good = ☹ → Good = ☹ → Moderate = ☹

B1

# Indexable insert drills

 D3120 
**Drion-tec™**


2×D <sub>c</sub>	Z = 1
------------------	-------



D3120	P	M	K	N	S	H	O
	●	●	●	●	●		

B1


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

Bodies and assembly parts are included in the scope of delivery

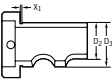



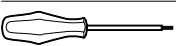
**WALTER SELECT**

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


### Assembly parts

D <sub>c</sub> [mm]	16–20	21–25	26–30	31–36	37–42
 Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 1,2 Nm	FS1456 (T9IP) 2 Nm	FS2181 (T15IP) 3 Nm	FS2119 (T15IP) 3 Nm	FS2139 (T20IP) 5 Nm

### Accessories

D <sub>c</sub> [mm]	16–20	21–25	26–36	37–42
 Eccentric sleeve, adj. range dia. -0.2 to +0.55 mm	FS722	FS722	FS723	FS724
 Torque screwdriver, analogue	FS2001	FS2003	FS2003	FS2003
 Torque screwdriver, digital	FS2248	FS2248	FS2248	FS2248
 Interchangeable blade	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
 Screwdriver	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S		
		HC	HC	HC	HC	HC	HW	HC				
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNI15	WSP45G
 P2840S-.N-A57	1-5	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2840S-.N-E67	1-5		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-.N-E77	1-5									☞	☞	
P2841S-.N-A57	1-5	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-.N-E57	1-5	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-.N-E67	1-5		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-2N-A57	2	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2840S-2N-E67	2		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-2N-E77	2									☞	☞	
P2841S-2N-A57	2	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-2N-E57	2	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-2N-E67	2		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-3N-A57	3	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2840S-3N-E67	3		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-3N-E77	3									☞	☞	
P2841S-3N-A57	3	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-3N-E57	3	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-3N-E67	3		☞	☞	☞	☞	☞	☞	☞			☞

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

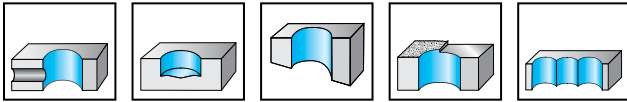
B1

# Indexable insert drills

 D3120 
**Drion-tec™**


3×D <sub>c</sub>	Z = 1
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B1



D3120	P	M	K	N	S	H	O
	●	●	●	●	●		


Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
<p>Cylindrical shank with flat</p>	D3120-03-16.00F25-P21	16	48	73	56	25	32	0,34	2	P284 . S-1N- ..
	D3120-03-17.00F25-P21	17	51	76	56	25	32	0,32	2	
	D3120-03-17.50F25-P21	17,5	52,5	77,5	56	25	32	0,33	2	
	D3120-03-18.00F25-P21	18	54	79	56	25	32	0,33	2	
	D3120-03-19.00F25-P21	19	57	82	56	25	32	0,34	2	
	D3120-03-19.50F25-P21	19,5	58,5	83,5	56	25	32	0,35	2	
	D3120-03-20.00F25-P21	20	60	85	56	25	32	0,38	2	
<p>Cylindrical shank with flat</p>	D3120-03-21.00F25-P22	21	63	88	56	25	32	0,36	2	P284 . S-2N- ..
	D3120-03-22.00F25-P22	22	66	91	56	25	32	0,39	2	
	D3120-03-23.00F25-P22	23	69	94	56	25	32	0,37	2	
	D3120-03-24.00F25-P22	24	72	97	56	25	32	0,42	2	
	D3120-03-25.00F25-P22	25	75	100	56	25	32	0,46	2	
<p>Cylindrical shank with flat</p>	D3120-03-26.00F32-P23	26	78	110	60	32	40	0,71	2	P284 . S-3N- ..
	D3120-03-26.50F32-P23	26,5	79,5	111,5	60	32	40	0,69	2	
	D3120-03-27.00F32-P23	27	81	113	60	32	40	0,74	2	
	D3120-03-28.00F32-P23	28	84	116	60	32	40	0,73	2	
	D3120-03-29.00F32-P23	29	87	119	60	32	40	0,76	2	
	D3120-03-29.50F32-P23	29,5	88,5	120,5	60	32	40	0,78	2	
	D3120-03-30.00F32-P23	30	90	122	60	32	40	0,84	2	
<p>Cylindrical shank with flat</p>	D3120-03-31.00F32-P24	31	93	125	60	32	40	0,78	2	P284 . S-4N- ..
	D3120-03-32.00F32-P24	32	96	128	60	32	40	0,86	2	
	D3120-03-33.00F32-P24	33	99	131	60	32	40	0,86	2	
	D3120-03-34.00F32-P24	34	102	134	60	32	40	0,9	2	
	D3120-03-35.00F32-P24	35	105	137	60	32	40	0,95	2	
	D3120-03-36.00F32-P24	36	108	140	60	32	40	1,06	2	

Bodies and assembly parts are included in the scope of delivery

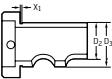



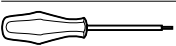
**WALTER SELECT**

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


### Assembly parts

D <sub>c</sub> [mm]	16–20	21–25	26–30	31–36
 Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 1,2 Nm	FS1456 (T9IP) 2 Nm	FS2181 (T15IP) 3 Nm	FS2119 (T15IP) 3 Nm

### Accessories

D <sub>c</sub> [mm]	16–20	21–25	26–36
 Eccentric sleeve, adj. range dia. -0.2 to +0.55 mm	FS722	FS722	FS723
 Torque screwdriver, analogue	FS2001	FS2003	FS2003
 Torque screwdriver, digital	FS2248	FS2248	FS2248
 Interchangeable blade	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)
 Screwdriver	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)

### Indexable inserts

Designation	Size	P				M		K		N		S
		HC				HC		HC		HC	HW	HC
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNI15	WSP45G
 P2840S-.N-A57	1-4	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2840S-.N-E67	1-4		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-.N-E77	1-4			☞	☞	☞	☞	☞	☞			☞
P2841S-.N-A57	1-4	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
P2841S-.N-E57	1-4	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-.N-E67	1-4		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-2N-A57	2	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2840S-2N-E67	2		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-2N-E77	2			☞	☞	☞	☞	☞	☞	☞	☞	☞
P2841S-2N-A57	2	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-2N-E57	2	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-2N-E67	2		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-3N-A57	3	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2840S-3N-E67	3		☞	☞	☞	☞	☞	☞	☞			☞
P2840S-3N-E77	3			☞	☞	☞	☞	☞	☞	☞	☞	☞
P2841S-3N-A57	3	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-3N-E57	3	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-3N-E67	3		☞	☞	☞	☞	☞	☞	☞			☞

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

B1

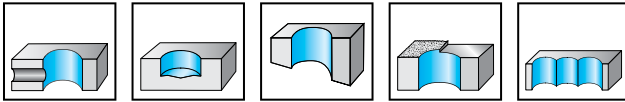
# Indexable insert drills

D3120

**Drion-tec™**

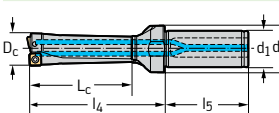
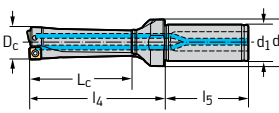


3×D<sub>c</sub>    Z = 1



D3120	P	M	K	N	S	H	O
	●	●	●	●	●		

B1

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
 <p>Cylindrical shank with flat</p>	D3120-03-37.00F40-P25	37	111	151	70	40	50	1,43	2	P284 . S-5N- ..
	D3120-03-37.50F40-P25	37,5	112,5	152,5	70	40	50	1,46	2	
	D3120-03-38.00F40-P25	38	114	154	70	40	50	1,49	2	
	D3120-03-39.00F40-P25	39	117	157	70	40	50	1,64	2	
	D3120-03-40.00F40-P25	40	120	160	70	40	50	1,6	2	
	D3120-03-40.50F40-P25	40,5	121,5	161,5	70	40	50	1,64	2	
	D3120-03-41.00F40-P25	41	123	163	70	40	50	1,67	2	
 <p>Cylindrical shank with flat</p>	D3120-03-42.00F40-P25	42	126	166	70	40	50	1,83	2	P284 . S-6N- ..
	D3120-03-43.00F40-P26	43	129	169	70	40	50	1,74	2	
	D3120-03-44.00F40-P26	44	132	172	70	40	50	1,81	2	
	D3120-03-45.00F40-P26	45	135	175	70	40	50	1,89	2	
	D3120-03-46.00F40-P26	46	138	178	70	40	50	1,98	2	
	D3120-03-47.00F40-P26	47	141	181	70	40	50	2,05	2	
	D3120-03-48.00F40-P26	48	144	184	70	40	50	2,14	2	
	D3120-03-49.00F40-P26	49	147	187	70	40	50	2,23	2	
	D3120-03-50.00F40-P26	50	150	190	70	40	50	2,33	2	

Bodies and assembly parts are included in the scope of delivery

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

### Assembly parts

	D <sub>c</sub> [mm]	37-42	43-50
	Clamping screw for indexable insert Tightening torque	FS2139 (T20IP) 5 Nm	FS2281 (T20IP) 5 Nm

### Accessories

	D <sub>c</sub> [mm]	37-50
	Eccentric sleeve, adj. range dia. -0.2 to +0.55 mm	FS724
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)
	Screwdriver	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S		
		HC	HC	HC	HC	HC	HC	HW	HC			
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNI15	WSP45G
P2840S-N-A57	5-6	☺	☺	☺	☺	☺	☺	☺	☺			☺
P2840S-N-E67	5-6		☺	☺	☺	☺	☺					☺
P2840S-N-E77	5-6			☺	☺	☺	☺			☺	☺	
P2841S-N-A57	5-6	☺	☺	☺	☺	☺	☺	☺	☺			☺
P2841S-N-E57	5-6	☺	☺	☺	☺	☺	☺	☺	☺			☺
P2841S-N-E67	5-6		☺	☺	☺	☺	☺					☺

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

# Indexable insert drills

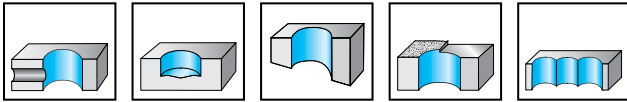
D3120

**Drion-tec™**



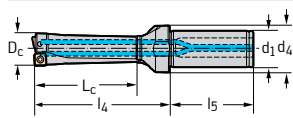
3×D<sub>c</sub>    Z = 1

B1



	P	M	K	N	S	H	O
D3120	●	●	●	●	●		

## Tool



Cylindrical shank with flat

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
D3120-03-50.50F40-P27	50,5	151,5	191,5	70	40	50	2,29	2	P284 . S-7N- ..
D3120-03-51.00F40-P27	51	153	193	70	40	50	2,34	2	
D3120-03-52.00F40-P27	52	156	196	70	40	50	2,44	2	
D3120-03-53.00F40-P27	53	159	199	70	40	50	2,55	2	
D3120-03-54.00F40-P27	54	162	202	70	40	50	2,67	2	
D3120-03-54.50F40-P27	54,5	163,5	203,5	70	40	50	2,73	2	
D3120-03-55.00F40-P27	55	165	205	70	40	50	2,79	2	
D3120-03-56.00F40-P27	56	168	208	70	40	50	2,91	2	
D3120-03-57.00F40-P27	57	171	211	70	40	50	3,04	2	
D3120-03-58.00F40-P27	58	174	214	70	40	50	3,17	2	

Bodies and assembly parts are included in the scope of delivery



### Assembly parts

	D <sub>c</sub> [mm] Clamping screw for indexable insert Tightening torque	50,5–58 FS2281 (T20IP) 5 Nm
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### Accessories

	D <sub>c</sub> [mm] Eccentric sleeve, adj. range dia. -0.2 to +0.55 mm	50,5–58 FS724
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)
	Screwdriver	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S		
		HC	HC	HC	HC	HC	HW	HC				
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNI15	WSP45G
P2840S-N-A57	7	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2840S-N-E67	7	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2840S-N-E77	7									☞	☞	
P2841S-N-A57	7	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-N-E57	7	☞	☞	☞	☞	☞	☞	☞	☞			☞
P2841S-N-E67	7	☞	☞	☞	☞	☞	☞	☞	☞			☞

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

B1

# Indexable insert drills

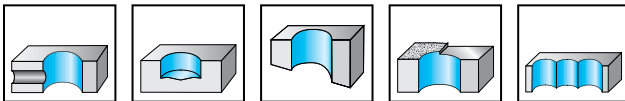
D3120 inch

**Drion-tec™**



3×D<sub>C</sub>

Z = 1



P	M	K	N	S	H	O
●	●	●	●	●	●	●

B1

Tool	Designation	D <sub>C</sub> inch	L <sub>C</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
 Cylindrical shank with flat	D3120.03-19.05F26-P21	0,750	2,252	82,7	2,281	1,000	1,378	0,825	2	P284 . S-1N- ..
	D3120.03-22.23F26-P22	0,875	2,626	92,2	2,281	1,000	1,378	0,902	2	P284 . S-2N- ..
 Cylindrical shank with flat	D3120.03-25.40F26-P22	1,000	3,000	101,7	2,281	1,000	1,378	1,054	2	P284 . S-2N- ..
	D3120.03-28.58F31-P23	1,125	3,378	117,7	2,281	1,250	1,622	1,618	2	P284 . S-3N- ..
 Cylindrical shank with flat	D3120.03-31.75F31-P24	1,250	3,752	127,2	2,281	1,250	1,622	1,75	2	P284 . S-4N- ..
	D3120.03-34.93F31-P24	1,375	4,126	136,7	2,281	1,250	1,622	2,055	2	P284 . S-4N- ..
 Cylindrical shank with flat	D3120.03-38.10F38-P25	1,500	4,500	154,3	2,688	1,500	1,929	3,100	2	P284 . S-5N- ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts						
D <sub>c</sub> [inch]	0,75	0,875-1	1,125	1,25-1,375	1,5	
	Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 0,885 lbs	FS1456 (T9IP) 1,475 lbs	FS2181 (T15IP) 2,213 lbs	FS2119 (T15IP) 2,213 lbs	FS2139 (T20IP) 3,688 lbs

Accessories					
D <sub>c</sub> [inch]	0,75	0,875-1	1,125-1,375	1,5	
	Torque screwdriver, analogue	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital	FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P			M		K		N		S
		HC			HC		HC		HC	HW	HC
		WKP255	WKP355	WSP45G	WXP40	WSP45G	WXP40	WKP255	WKP355	WNN15	WN15
	P2840S-.N-A57	0-0.2	☺	☺	☺	☺	☺	☺			☺
	P2840S-.N-E67	0-0.2		☺	☺	☺	☺	☺			☺
	P2840S-.N-E77	0-0.2							☺	☺	
	P2841S-.N-A57	0-0.2	☺	☺	☺	☺	☺	☺			☺
	P2841S-.N-E57	0-0.2	☺	☺	☺	☺	☺	☺			☺
	P2841S-.N-E67	0-0.2		☺	☺	☺	☺	☺			☺
	P2840S-2N-A57	0.1	☺	☺	☺	☺	☺	☺			☺
	P2840S-2N-E67	0.1		☺	☺	☺	☺	☺			☺
	P2840S-2N-E77	0.1							☺	☺	
	P2841S-2N-A57	0.1	☺	☺	☺	☺	☺	☺			☺
	P2841S-2N-E57	0.1	☺	☺	☺	☺	☺	☺			☺
	P2841S-2N-E67	0.1		☺	☺	☺	☺	☺			☺
	P2840S-3N-A57	0.1	☺	☺	☺	☺	☺	☺			☺
	P2840S-3N-E67	0.1		☺	☺	☺	☺	☺			☺
	P2840S-3N-E77	0.1							☺	☺	
	P2841S-3N-A57	0.1	☺	☺	☺	☺	☺	☺			☺
	P2841S-3N-E57	0.1	☺	☺	☺	☺	☺	☺			☺
	P2841S-3N-E67	0.1		☺	☺	☺	☺	☺			☺

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

B 1

# Indexable insert drills

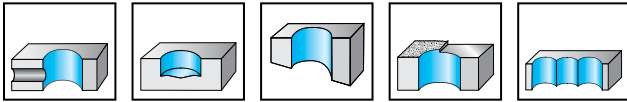
D3120

Drion-tec™



4×D<sub>C</sub>    Z = 1

B1



D3120	P	M	K	N	S	H	O
	●	●	●	●	●		

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>4</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> mm	d <sub>4</sub> mm	kg	No. of inserts	Type
<p>Cylindrical shank with flat</p>	D3120-04-16.00F25-P21	16	64	89	56	25	32	0,35	2	P284 . S-1N- ..
	D3120-04-17.00F25-P21	17	68	93	56	25	32	0,33	2	
	D3120-04-18.00F25-P21	18	72	97	56	25	32	0,35	2	
	D3120-04-19.00F25-P21	19	76	101	56	25	32	0,36	2	
	D3120-04-20.00F25-P21	20	80	105	56	25	32	0,38	2	
<p>Cylindrical shank with flat</p>	D3120-04-21.00F25-P22	21	84	109	56	25	32	0,38	2	P284 . S-2N- ..
	D3120-04-22.00F25-P22	22	88	113	56	25	32	0,43	2	
	D3120-04-23.00F25-P22	23	92	117	56	25	32	0,43	2	
	D3120-04-24.00F25-P22	24	96	121	56	25	32	0,46	2	
	D3120-04-25.00F25-P22	25	100	125	56	25	32	0,49	2	
<p>Cylindrical shank with flat</p>	D3120-04-26.00F32-P23	26	104	136	60	32	40	0,72	2	P284 . S-3N- ..
	D3120-04-27.00F32-P23	27	108	140	60	32	40	0,76	2	
	D3120-04-28.00F32-P23	28	112	144	60	32	40	0,8	2	
	D3120-04-29.00F32-P23	29	116	148	60	32	40	0,84	2	
	D3120-04-30.00F32-P23	30	120	152	60	32	40	0,88	2	
<p>Cylindrical shank with flat</p>	D3120-04-31.00F32-P24	31	124	156	60	32	40	0,86	2	P284 . S-4N- ..
	D3120-04-32.00F32-P24	32	128	160	60	32	40	0,91	2	
	D3120-04-33.00F32-P24	33	132	164	60	32	40	0,96	2	
	D3120-04-34.00F32-P24	34	136	168	60	32	40	1,09	2	
	D3120-04-35.00F32-P24	35	140	172	60	32	40	1,08	2	
<p>Cylindrical shank with flat</p>	D3120-04-36.00F32-P24	36	144	176	60	32	40	1,15	2	P284 . S-5N- ..
	D3120-04-37.00F40-P25	37	148	188	70	40	50	1,59	2	
	D3120-04-38.00F40-P25	38	152	192	70	40	50	1,66	2	
	D3120-04-39.00F40-P25	39	156	196	70	40	50	1,74	2	
	D3120-04-40.00F40-P25	40	160	200	70	40	50	1,89	2	
	D3120-04-41.00F40-P25	41	164	204	70	40	50	1,9	2	
	D3120-04-42.00F40-P25	42	168	208	70	40	50	1,99	2	

Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

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

### Assembly parts

D <sub>c</sub> [mm]	16–20	21–25	26–30	31–36	37–42
Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 1,2 Nm	FS1456 (T9IP) 2 Nm	FS2181 (T15IP) 3 Nm	FS2119 (T15IP) 3 Nm	FS2139 (T20IP) 5 Nm

### Accessories

D <sub>c</sub> [mm]	16–20	21–25	26–36	37–42
Eccentric sleeve, adj. range dia. -0.2 to +0.55 mm	FS722	FS722	FS723	FS724
Torque screwdriver, analogue	FS2001	FS2003	FS2003	FS2003
Torque screwdriver, digital	FS2248	FS2248	FS2248	FS2248
Interchangeable blade	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
Screwdriver	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

Designation	Size	P		M		K		N		S		
		HC	HC	HC	HC	HC	HW	HC				
		WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WNI15	WSP45G
P2840S-.N-A57	1-5	☺	☺	☺	☺	☺	☺	☺	☺			☺
P2840S-.N-E67	1-5		☺	☺	☺	☺	☺					☺
P2840S-.N-E77	1-5									☺	☺	
P2841S-.N-A57	1-5	☺	☺	☺	☺	☺	☺	☺	☺			☺
P2841S-.N-E57	1-5	☺	☺	☺	☺	☺	☺					☺
P2841S-.N-E67	1-5		☺	☺	☺	☺	☺					☺
P2840S-2N-A57	2	☺	☺	☺	☺	☺	☺	☺	☺			☺
P2840S-2N-E67	2		☺	☺	☺	☺	☺					☺
P2840S-2N-E77	2									☺	☺	
P2841S-2N-A57	2	☺	☺	☺	☺	☺	☺	☺	☺			☺
P2841S-2N-E57	2	☺	☺	☺	☺	☺	☺					☺
P2841S-2N-E67	2		☺	☺	☺	☺	☺					☺
P2840S-3N-A57	3	☺	☺	☺	☺	☺	☺	☺	☺			☺
P2840S-3N-E67	3		☺	☺	☺	☺	☺					☺
P2840S-3N-E77	3									☺	☺	
P2841S-3N-A57	3	☺	☺	☺	☺	☺	☺	☺	☺			☺
P2841S-3N-E57	3	☺	☺	☺	☺	☺	☺					☺
P2841S-3N-E67	3		☺	☺	☺	☺	☺					☺

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

# Indexable insert drills

D3120 inch

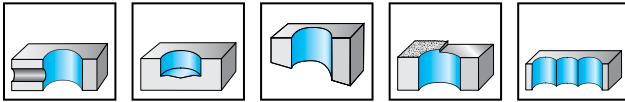
**Drion-tec™**



4×D<sub>C</sub>

Z = 1

B1



D3120	P	M	K	N	S	H	O
	●	●	●	●	●		

Tool	Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	d <sub>4</sub> inch	lbs	No. of inserts	Type
 Cylindrical shank with flat	D3120.04-19.05F26-P21	0,750	3,000	101,7	2,281	1,000	1,378	0,869	2	P284 . S-1N- ..
 Cylindrical shank with flat	D3120.04-25.40F26-P22	1,000	4,000	127,1	2,281	1,000	1,378	1,168	2	P284 . S-2N- ..
 Cylindrical shank with flat	D3120.04-31.75F31-P24	1,250	5,000	158,9	2,281	1,250	1,622	1,953	2	P284 . S-4N- ..
 Cylindrical shank with flat	D3120.04-38.10F38-P25	1,500	6,000	193,7	2,688	1,500	1,929	3,503	2	P284 . S-5N- ..

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	D <sub>c</sub> [inch]	0,75	1	1,25	1,5
	Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 0,885 lbs	FS1456 (T9IP) 1,475 lbs	FS2119 (T15IP) 2,213 lbs	FS2139 (T20IP) 3,688 lbs

### Accessories

	D <sub>c</sub> [inch]	0,75	1	1,25	1,5
	Torque screwdriver, analogue	FS2002	FS2004	FS2004	FS2004
	Torque screwdriver, digital	FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2012 (T8IP)	FS2013 (T9IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS1483 (T8IP)	FS1484 (T9IP)	FS1485 (T15IP)	FS1486 (T20IP)

### Indexable inserts

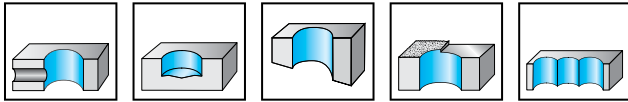
Designation	Size	P		M		K		N		S	
		HC		HC		HC		HC	HW	HC	
		WKP255	WKP355	WSP45G	WXP40	WSP45G	WXP40	WKP255	WKP355	WNN15	WN15
P2840S-.N-A57	0-0.2	☺	☺	☺	☺	☺	☺	☺			☺
P2840S-.N-E67	0-0.2		☺	☺	☺	☺	☺				☺
P2840S-.N-E77	0-0.2								☺	☺	
P2841S-.N-A57	0-0.2	☺	☺	☺	☺	☺	☺				☺
P2841S-.N-E57	0-0.2	☺	☺	☺	☺	☺	☺				☺
P2841S-.N-E67	0-0.2		☺	☺	☺	☺	☺				☺
P2840S-2N-A57	0.1	☺	☺	☺	☺	☺	☺				☺
P2840S-2N-E67	0.1		☺	☺	☺	☺	☺				☺
P2840S-2N-E77	0.1								☺	☺	
P2841S-2N-A57	0.1	☺	☺	☺	☺	☺	☺				☺
P2841S-2N-E57	0.1	☺	☺	☺	☺	☺	☺				☺
P2841S-2N-E67	0.1		☺	☺	☺	☺	☺				☺

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

## Insert drills

 B3212 mm

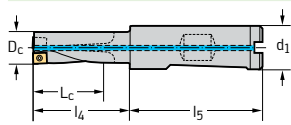

B1



$D_c$ 10-18	$2 \times D_c$	$Z = 1$
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	P	M	K	N	S	H	O
B3212	●	●	●	●	●		

## Tool



DIN 6535 HE, turned 180° DIN 6535 HB

Designation	$D_c$ mm	$L_c$ mm	$l_4$ mm	$l_5$ mm	$d_1$ mm	kg	No. of inserts	Type
B3212.DF.10.0.Z01.20R	10	20	31	48	16	0,09	1 / 1	LCMX050203- ..
B3212.DF.10.2.Z01.20R	10,2	20,4	31	48	16	0,09	1 / 1	LCMX050203- ..
B3212.DF.10.5.Z01.21R	10,5	21	32	48	16	0,09	1 / 1	..
B3212.DF.11.0.Z01.22R	11	22	34	48	16	0,09	1 / 1	..
B3212.DF.11.5.Z01.23R	11,5	23	35	48	16	0,09	1 / 1	..
B3212.DF.11.7.Z01.23R	11,7	23,4	35	48	16	0,09	1 / 1	..
B3212.DF.12.0.Z01.24R	12	24	36	48	16	0,1	1 / 1	..
B3212.DF.12.5.Z01.25R	12,5	25	38	48	16	0,1	1 / 1	..
B3212.DF.13.0.Z01.26R	13	26	39	48	16	0,1	1 / 1	..
B3212.DF.13.5.Z01.27R	13,5	27	40	48	16	0,1	1 / 1	..
B3212.DF.13.7.Z01.27R	13,7	27,4	41	48	16	0,1	1 / 1	..
B3212.DF.14.0.Z01.28R	14	28	42	48	16	0,1	1 / 1	LCMX06T204- LCMX06T204- ..
B3212.DF.14.5.Z01.29R	14,5	29	43	48	16	0,11	1 / 1	..
B3212.DF.15.0.Z01.30R	15	30	44	48	16	0,11	1 / 1	..
B3212.DF.15.5.Z01.31R	15,5	31	45	48	16	0,11	1 / 1	..
B3212.DF.15.7.Z01.31R	15,7	31,4	46	48	16	0,11	1 / 1	..
B3212.DF.16.0.Z01.32R	16	32	47	48	16	0,11	1 / 1	..
B3212.DF.16.5.Z01.33R	16,5	33	48	48	16	0,12	1 / 1	..
B3212.DF.17.0.Z01.34R	17	34	49	48	16	0,12	1 / 1	..
B3212.DF.17.5.Z01.35R	17,5	35	51	48	16	0,13	1 / 1	..
B3212.DF.18.0.Z01.36R	18	36	52	48	16	0,13	1 / 1	..

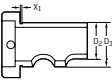
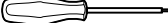



Possible X adjustment for drilling into solid material greater than the nominal diameter |  $X = +0.2 \text{ mm} / -0.1 \text{ mm} \rightarrow \Delta D = +0.4 \text{ mm} / -0.2 \text{ mm}$  | Important: A disc forms where through-holes are created by a rotating tool. This disc might then be ejected. Please take precautionary measures. | Bodies and assembly parts are included in the scope of delivery




### Assembly parts

D <sub>c</sub> [mm]	10–13,7	14–15,7	16–18
 Clamping screw for indexable insert Tightening torque	FS1012 (T6) 0,4 Nm	FS1004 (T7) 0,6 Nm	FS1020 (T7) 0,6 Nm

### Accessories

D <sub>c</sub> [mm]	10–13,7	14–18
 Eccentric sleeve	FS1207	FS1207
 Screwdriver	FS1063 (T6)	FS309 (T7)
 Clamping screw for collet chuck	FS1209 (SW 8)	FS1209 (SW 8)
 Torque screwdriver, analogue	FS2001	FS2001
 Interchangeable blade	FS2005 (T6)	FS2006 (T7)

### Indexable inserts

Designation	l <sub>1</sub> mm	l <sub>2</sub> mm	P		M		K		N		S		
			HC	HC	HC	HC	HC	HW	HC				
			WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WN15	WSP45G
 LCGX050203-E77	4	5,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX050203-B57	4	5,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX050203-D57	4	5,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX050203-E57	4	5,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCGX06T204-E77	5,2	6,6	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX06T204-B57	5,2	6,6	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX06T204-D57	5,2	6,6	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX06T204-E57	5,2	6,6	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺

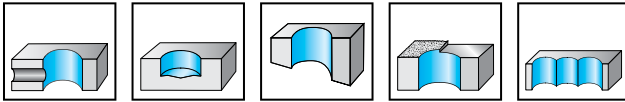
HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

## Insert drills

 B3212 inch

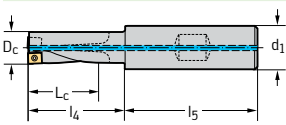

2×D <sub>c</sub>	Z = 1
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B1



B3212	P	M	K	N	S	H	O
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## Tool



Cylindrical shank with flat

Designation	D <sub>c</sub> inch	L <sub>c</sub> inch	l <sub>4</sub> inch	l <sub>5</sub> inch	d <sub>1</sub> inch	lbs	No. of inserts	Type
B3212.U3F.0099.Z01.20R	0,391	0,782	31,22	1,969	0,750	0,284	1 / 1	LCMX050203- ..
B3212.U3F.0103.Z01.21R	0,406	0,812	32,385	1,969	0,750	0,287	1 / 1	LCMX050203- ..
B3212.U3F.0107.Z01.21R	0,421	0,842	33,553	1,969	0,750	0,326	1 / 1	..
B3212.U3F.0111.Z01.22R	0,437	0,874	34,798	1,969	0,750	0,295	1 / 1	..
B3212.U3F.0115.Z01.23R	0,453	0,906	36,068	1,969	0,750	0,293	1 / 1	
B3212.U3F.0119.Z01.24R	0,469	0,938	37,313	1,969	0,750	0,304	1 / 1	
B3212.U3F.0123.Z01.25R	0,484	0,968	38,506	1,969	0,750	0,306	1 / 1	
B3212.U3F.0127.Z01.25R	0,500	1,000	39,751	1,969	0,750	0,452	1 / 1	
B3212.U3F.0131.Z01.26R	0,515	1,030	40,949	1,969	0,750	0,333	1 / 1	
B3212.U3F.0135.Z01.27R	0,531	1,062	42,189	1,969	0,750	0,439	1 / 1	
B3212.U3F.0139.Z01.28R	0,547	1,094	43,739	1,969	0,750	0,320	1 / 1	LCMX06T204- ..
B3212.U3F.0143.Z01.29R	0,562	1,124	44,907	1,969	0,750	0,324	1 / 1	LCMX06T204- ..
B3212.U3F.0155.Z01.31R	0,609	1,218	48,616	1,969	0,750	0,337	1 / 1	
B3212.U3F.0159.Z01.32R	0,625	1,250	49,86	1,969	0,750	0,448	1 / 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts			
	D <sub>c</sub> [inch]	0,391–0,531	0,547–0,625
	Clamping screw for indexable insert Tightening torque	FS1012 (T6) 0,295 lbs	FS1004 (T7) 0,443 lbs

Accessories			
	D <sub>c</sub> [inch]	0,391–0,531	0,547–0,625
	Screwdriver	FS1063 (T6)	FS309 (T7)
	Torque screwdriver, analogue	FS2002	FS2002
	Interchangeable blade	FS2005 (T6)	FS2006 (T7)

### Indexable inserts

Designation	l inch	l <sub>2</sub> inch	P		M		K		N		S
			HC		HC		HC		HC	HW	HC
			WKP255	WKP355	WSP45G	WXP40	WSP45G	WXP40	WKP255	WKP355	WNN15
LCGX050203-E77	0,157	0,205									
LCMX050203-B57	0,157	0,205	☺	☺	☺	☺	☺	☺			☺
LCMX050203-D57	0,157	0,205	☺	☺	☺	☺	☺	☺			☺
LCMX050203-E57	0,157	0,205	☺	☺	☺	☺	☺	☺			☺
LCGX06T204-E77	0,205	0,260							☺	☺	
LCMX06T204-B57	0,205	0,260	☺	☺	☺	☺	☺	☺			☺
LCMX06T204-D57	0,205	0,260	☺	☺	☺	☺	☺	☺			☺
LCMX06T204-E57	0,205	0,260	☺	☺	☺	☺	☺	☺			☺

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

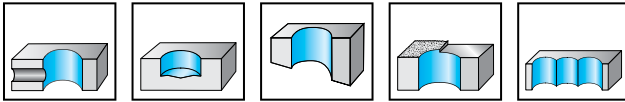
**WALTER SELECT** Stability of machine, workpiece and clamping arrangement → Very good = ☺ → Good = ☹ → Moderate = ☹

## Insert drills

 B3213 inch

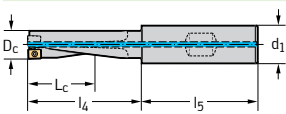

$3 \times D_c$	$Z = 1$
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B1



B3213	P	M	K	N	S	H	O
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## Tool



Cylindrical shank with flat

Designation	$D_c$ inch	$L_c$ inch	$l_4$ inch	$l_5$ inch	$d_1$ inch	lbs	No. of inserts	Type
B3213.U3F.0099.Z01.30R	0,391	1,173	40,259	1,969	0,750	0,291	1 / 1	LCMX050203- ..
B3213.U3F.0103.Z01.31R	0,406	1,218	41,767	1,969	0,750	0,293	1 / 1	LCMX050203- ..
B3213.U3F.0107.Z01.32R	0,421	1,263	43,282	1,969	0,750	0,397	1 / 1	..
B3213.U3F.0111.Z01.33R	0,437	1,311	44,907	1,969	0,750	0,306	1 / 1	..
B3213.U3F.0115.Z01.35R	0,453	1,359	46,533	1,969	0,750	0,306	1 / 1	
B3213.U3F.0119.Z01.36R	0,469	1,407	48,158	1,969	0,750	0,315	1 / 1	
B3213.U3F.0123.Z01.37R	0,484	1,452	49,682	1,969	0,750	0,320	1 / 1	
B3213.U3F.0127.Z01.38R	0,500	1,500	51,308	1,969	0,750	0,434	1 / 1	
B3213.U3F.0131.Z01.39R	0,515	1,545	52,857	1,969	0,750	0,324	1 / 1	
B3213.U3F.0135.Z01.40R	0,531	1,593	54,457	1,969	0,750	0,454	1 / 1	
B3213.U3F.0139.Z01.42R	0,547	1,641	56,388	1,969	0,750	0,454	1 / 1	LCMX06T204- ..
B3213.U3F.0143.Z01.43R	0,562	1,686	57,887	1,969	0,750	0,487	1 / 1	LCMX06T204- ..
B3213.U3F.0147.Z01.44R	0,578	1,734	59,53	1,969	0,750	0,355	1 / 1	
B3213.U3F.0155.Z01.46R	0,609	1,827	62,69	1,969	0,750	0,406	1 / 1	
B3213.U3F.0159.Z01.48R	0,625	1,875	64,311	1,969	0,750	0,37	1 / 1	
B3213.U3F.0163.Z01.49R	0,64	1,92	65,831	1,969	0,750	0,384	1 / 1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts			
	D <sub>c</sub> [inch]	0,391–0,531	0,547–0,64
	Clamping screw for indexable insert Tightening torque	FS1012 (T6) 0,295 lbs	FS1004 (T7) 0,443 lbs

Accessories			
	D <sub>c</sub> [inch]	0,391–0,531	0,547–0,64
	Screwdriver	FS1063 (T6)	FS309 (T7)
	Torque screwdriver, analogue	FS2002	FS2002
	Interchangeable blade	FS2005 (T6)	FS2006 (T7)

### Indexable inserts

Designation	l inch	l <sub>2</sub> inch	P		M		K		N		S
			HC		HC		HC		HC	HW	HC
			WKP255	WKP355	WSP45G	WXP40	WSP45G	WXP40	WKP255	WKP355	WNN15
LCGX050203-E77	0,157	0,205									
LCMX050203-B57	0,157	0,205	☺	☺	☺	☺	☺	☺			☺
LCMX050203-D57	0,157	0,205	☺	☺	☺	☺	☺	☺			☺
LCMX050203-E57	0,157	0,205	☺	☺	☺	☺	☺	☺			☺
LCGX06T204-E77	0,205	0,260							☺	☺	
LCMX06T204-B57	0,205	0,260	☺	☺	☺	☺	☺	☺			☺
LCMX06T204-D57	0,205	0,260	☺	☺	☺	☺	☺	☺			☺
LCMX06T204-E57	0,205	0,260	☺	☺	☺	☺	☺	☺			☺

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

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

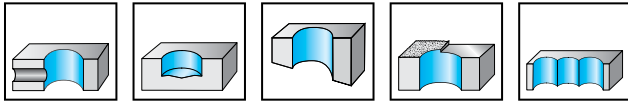
☺ ☹ ☹ / \* = New addition to the product range

B1

## Insert drills

 B3213 mm

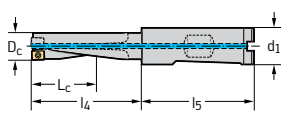

B1



$D_c$ 10-18	$3 \times D_c$	$Z = 1$
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	P	M	K	N	S	H	O
B3213	●	●	●	●	●		

## Tool



DIN 6535 HE, turned 180° DIN 6535 HB

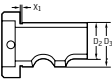
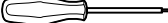



Designation	$D_c$ mm	$L_c$ mm	$l_4$ mm	$l_5$ mm	$d_1$ mm	kg	No. of inserts	Type
B3213.DF.10.0.Z01.30R	10	30	41	48	16	0,09	1 / 1	LCMX050203- ..
B3213.DF.10.2.Z01.30R	10,2	30,6	41	48	16	0,09	1 / 1	LCMX050203- ..
B3213.DF.10.5.Z01.31R	10,5	31,5	43	48	16	0,09	1 / 1	..
B3213.DF.11.0.Z01.33R	11	33	45	48	16	0,1	1 / 1	..
B3213.DF.11.5.Z01.34R	11,5	34,5	47	48	16	0,1	1 / 1	..
B3213.DF.11.7.Z01.35R	11,7	35,1	48	48	16	0,1	1 / 1	..
B3213.DF.12.0.Z01.36R	12	36	48	48	16	0,1	1 / 1	..
B3213.DF.12.5.Z01.37R	12,5	37,5	50	48	16	0,1	1 / 1	..
B3213.DF.13.0.Z01.39R	13	39	52	48	16	0,11	1 / 1	..
B3213.DF.13.5.Z01.40R	13,5	40,5	54	48	16	0,11	1 / 1	..
B3213.DF.13.7.Z01.41R	13,7	41,1	55	48	16	0,11	1 / 1	..
B3213.DF.14.0.Z01.42R	14	42	56	48	16	0,11	1 / 1	LCMX06T204- LCMX06T204- ..
B3213.DF.14.5.Z01.43R	14,5	43,5	57	48	16	0,11	1 / 1	..
B3213.DF.15.0.Z01.45R	15	45	59	48	16	0,12	1 / 1	..
B3213.DF.15.5.Z01.46R	15,5	46,5	61	48	16	0,12	1 / 1	..
B3213.DF.15.7.Z01.47R	15,7	47	62	48	16	0,13	1 / 1	..
B3213.DF.16.0.Z01.48R	16	48	63	48	16	0,12	1 / 1	..
B3213.DF.16.5.Z01.49R	16,5	49,5	65	48	16	0,14	1 / 1	..
B3213.DF.17.0.Z01.51R	17	51	66	48	16	0,14	1 / 1	..
B3213.DF.17.5.Z01.52R	17,5	52,5	68	48	16	0,14	1 / 1	..
B3213.DF.18.0.Z01.54R	18	54	70	48	16	0,15	1 / 1	..

Possible X adjustment for drilling into solid material greater than the nominal diameter |  $X = +0.2 \text{ mm} / -0.1 \text{ mm} \rightarrow \Delta D = +0.4 \text{ mm} / -0.2 \text{ mm}$  | Important: A disc forms where through-holes are created by a rotating tool. This disc might then be ejected. Please take precautionary measures. | Bodies and assembly parts are included in the scope of delivery


### Assembly parts

D <sub>c</sub> [mm]	10–13,7	14–15,7	16–18
 Clamping screw for indexable insert Tightening torque	FS1012 (T6) 0,4 Nm	FS1004 (T7) 0,6 Nm	FS1020 (T7) 0,6 Nm

### Accessories

D <sub>c</sub> [mm]	10–13,5	13,7	14–18
 Eccentric sleeve	FS1207	FS1207	FS1207
 Screwdriver	FS1063 (T6)	FS1063 (T6)	FS309 (T7)
 Clamping screw for collet chuck	FS1209 (SW 8)	FS1209 (SW 8)	FS1209 (SW 8)
 Torque screwdriver, analogue	FS2001	FS2001	FS2001
 Interchangeable blade	FS2005 (T6)	FS2006 (T7)	FS2006 (T7)

### Indexable inserts

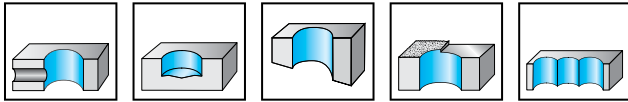
Designation	l <sub>1</sub> mm	l <sub>2</sub> mm	P		M		K		N		S
			HC		HC		HC		HC	HW	HC
			WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15
 LCGX050203-E77	4	5,2									
LCMX050203-B57	4	5,2	☺	☺	☺	☺	☺	☺			☺
LCMX050203-D57	4	5,2	☺	☺	☺	☺	☺	☺			☺
LCMX050203-E57	4	5,2	☺	☺	☺	☺	☺	☺			☺
LCGX06T204-E77	5,2	6,6							☺	☺	
LCMX06T204-B57	5,2	6,6	☺	☺	☺	☺	☺	☺			☺
LCMX06T204-D57	5,2	6,6	☺	☺	☺	☺	☺	☺			☺
LCMX06T204-E57	5,2	6,6	☺	☺	☺	☺	☺	☺			☺

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

## Insert drills

 B3214 


B1



$D_c$ 10-18	$4 \times D_c$	$Z = 1$
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	P	M	K	N	S	H	O
B3214			●●	●●			

Tool	Designation	$D_c$ mm	$L_c$ mm	$l_4$ mm	$l_5$ mm	$d_1$ mm	kg	No. of inserts	Type
 DIN 6535 HE, turned 180° DIN 6535 HB	B3214.DF.10.0.Z01.40R	10	40	51	48	16	0,09	1 / 1	LCMX050203- ..
	B3214.DF.10.5.Z01.42R	10,5	42	53	48	16	0,1	1 / 1	LCMX050203- ..
	B3214.DF.11.0.Z01.44R	11	44	56	48	16	0,1	1 / 1	..
	B3214.DF.11.5.Z01.46R	11,5	46	58	48	16	0,1	1 / 1	..
	B3214.DF.12.0.Z01.48R	12	48	60	48	16	0,11	1 / 1	..
	B3214.DF.12.5.Z01.50R	12,5	50	62	48	16	0,11	1 / 1	..
	B3214.DF.13.0.Z01.52R	13	52	65	48	16	0,11	1 / 1	..
	B3214.DF.13.5.Z01.54R	13,5	54	67	48	16	0,12	1 / 1	..
	B3214.DF.14.0.Z01.56R	14	56	70	48	16	0,12	1 / 1	LCMX06T204- .. LCMX06T204- ..
	B3214.DF.14.5.Z01.58R	14,5	58	72	48	16	0,13	1 / 1	..
	B3214.DF.15.0.Z01.60R	15	60	74	48	16	0,13	1 / 1	..
	B3214.DF.15.5.Z01.62R	15,5	62	77	48	16	0,12	1 / 1	..
	B3214.DF.16.0.Z01.64R	16	64	78	48	16	0,14	1 / 1	..
	B3214.DF.16.5.Z01.66R	16,5	66	82	48	16	0,15	1 / 1	..
	B3214.DF.17.5.Z01.70R	17,5	70	85	48	16	0,17	1 / 1	..
	B3214.DF.18.0.Z01.72R	18	72	88	48	16	0,17	1 / 1	..

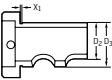
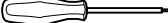



Possible X adjustment for drilling into solid material greater than the nominal diameter |  $X = +0.2 \text{ mm} / -0.1 \text{ mm} \rightarrow \Delta D = +0.4 \text{ mm} / -0.2 \text{ mm}$  | Important: A disc forms where through-holes are created by a rotating tool. This disc might then be ejected. Please take precautionary measures. | Bodies and assembly parts are included in the scope of delivery




### Assembly parts

D <sub>c</sub> [mm]	10–13,5	14–15,5	16–18
 Clamping screw for indexable insert Tightening torque	FS1012 (T6) 0,4 Nm	FS1004 (T7) 0,6 Nm	FS1020 (T7) 0,6 Nm

### Accessories

D <sub>c</sub> [mm]	10–13,5	14–18
 Eccentric sleeve	FS1207	FS1207
 Screwdriver	FS1063 (T6)	FS309 (T7)
 Clamping screw for collet chuck	FS1209 (SW 8)	FS1209 (SW 8)
 Torque screwdriver, analogue	FS2001	FS2001
 Interchangeable blade	FS2005 (T6)	FS2006 (T7)

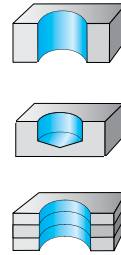
### Indexable inserts

Designation	l <sub>1</sub> mm	l <sub>2</sub> mm	P		M		K		N		S		
			HC	HC	HC	HC	HC	HW	HC				
			WKP25S	WKP35S	WSP45G	WXP40	WSP45G	WXP40	WKP25S	WKP35S	WNN15	WN15	WSP45G
 LCGX050203-E77	4	5,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX050203-B57	4	5,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX050203-D57	4	5,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX050203-E57	4	5,2	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCGX06T204-E77	5,2	6,6	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX06T204-B57	5,2	6,6	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX06T204-D57	5,2	6,6	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LCMX06T204-E57	5,2	6,6	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺

HC = beschichtetes Hartmetall  
HW = unbeschichtetes Hartmetall

## HSS drilling tools

B1

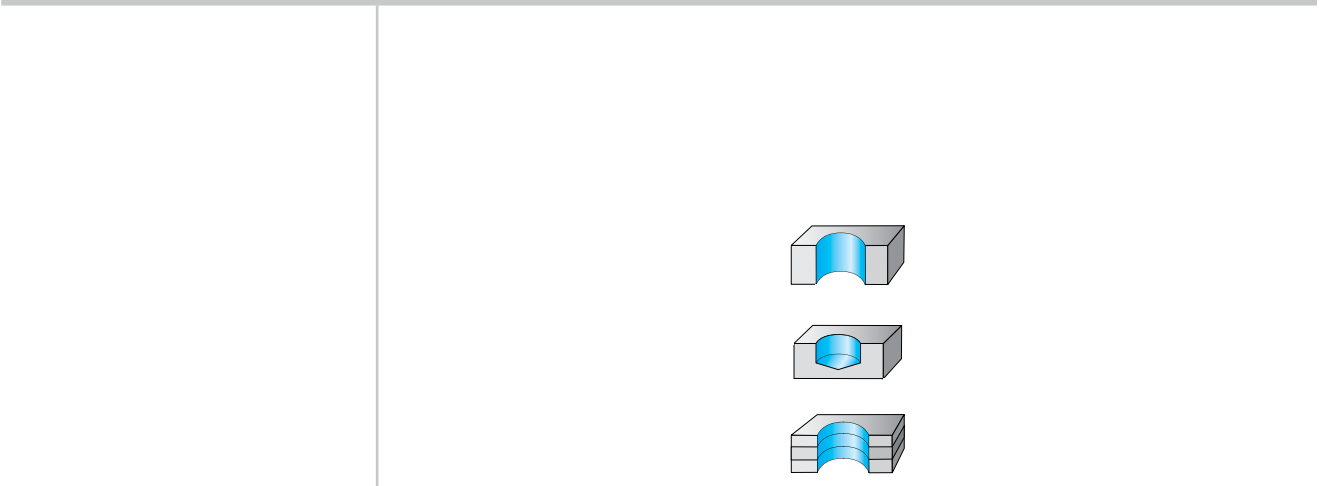


Drilling depth	3 x D <sub>C</sub>	5 x D <sub>C</sub>
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Designation	A1154TFT VA Inox	A1149XPL UFL®	A1148 UFL®	A3153	A3143
Additional services					
Standard	DIN 1897	DIN 1897	DIN 1897	DIN 1899	DIN 1899
Coating / grade	TFT	XPL	uncoated	uncoated	uncoated
Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
Diameter range [mm]	2–16	1–20	1–20	0,15–1,4	0,05–1,45
<b>P</b> Steel	●	●●	●●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●	●
<b>K</b> Cast iron		●●	●●	●●	●●
<b>N</b> NF metals	●●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●●	●●	●●
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●	●	●
Page in catalogue	B 344	B 338	B 347	B 356	B 353
QR code					
www.walter-tools.com/woc/	A1154TFT	A1149XPL	A1148	A3153	A3143

# HSS drilling tools



Drilling depth	8 x D <sub>C</sub>				8 x D <sub>C</sub>
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Designation	A1254TFT VA Inox	A1249XPL UFL®	A1222 UFL®	Z3518	A1244 VA
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Additional services					
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Standard	DIN 338	DIN 338	DIN 338		DIN 338
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Coating / grade	TFT	XPL	uncoated		uncoated
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Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank		Cylindrical shank
-------	-------------------	-------------------	-------------------	--	-------------------

Diameter range [mm]	3–16	1–20	1–16	–	0,3–15
---------------------	------	------	------	---	--------

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

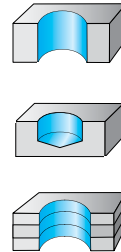
Page in catalogue	B 363	B 358	B 378	B 384	B 370
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QR code					
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www.walter-tools.com/woc/	A1254TFT	A1249XPL	A1222	Z3518	A1244
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## HSS drilling tools

B1



Drilling depth					8 x D <sub>C</sub>
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Designation	Z3515	Z3516	A4244 VA	A1247 Alpha® XE	A4247 Alpha® XE
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**Additional services**

Standard			DIN 345	DIN 338	DIN 345
----------	--	--	---------	---------	---------

Coating / grade			uncoated	uncoated	uncoated
-----------------	--	--	----------	----------	----------

Shank			Morse taper	Cylindrical shank	Morse taper
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Diameter range [mm]	-	-	10-32	1-16	10-40
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<b>P</b> Steel	●	●	●	●●	●●
<b>M</b> Stainless steel	●●	●●	●●	●●	●●
<b>K</b> Cast iron				●●	●●
<b>N</b> NF metals	●	●	●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●●	●●	●●
<b>H</b> Hard materials					
<b>O</b> Other				●	●

Page in catalogue	B 376	B 377	B 434	B 365	B 436
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QR code					
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www.walter-tools.com/woc/	Z3515	Z3516	A4244	A1247	A4247
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## HSS drilling tools

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



Designation	DA110 Perform	DA110 Perform	A1211TIN	Z3218TIN	A1211
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Additional services

Standard	DIN 338	DIN 338	DIN 338		DIN 338
Coating / grade	WZ90AJ		TIN		uncoated
Shank	Cylindrical shank		Cylindrical shank		Cylindrical shank

Diameter range [mm]	1-16	-	0,5-16	-	0,2-22
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P Steel	●●	●●	●●	●●	●●
M Stainless steel	●	●	●	●	●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●	●	●	●	●
S Materials with difficult cutting properties		●	●	●	●
H Hard materials					
O Other	●	●	●	●	●

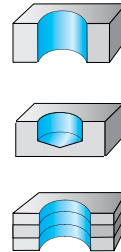
Page in catalogue	B 404	B 407	B 385	B 398	B 385
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www.walter-tools.com/woc/	DA110	DA110	A1211TIN	Z3218TIN	A1211
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## HSS drilling tools

B1



Drilling depth					12 x D <sub>C</sub>
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Designation	Z3213	Z3218	A1549TFP UFL®	A1522 UFL®	A4422 UFL®
Additional services					
Standard			DIN 340	DIN 340	DIN 341
Coating / grade			TFP	uncoated	uncoated
Shank			Cylindrical shank	Cylindrical shank	Morse taper
Diameter range [mm]	-	-	1-12	1-22,225	10-31
<b>P</b> Steel	●●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●●	●	●
<b>K</b> Cast iron	●●	●●	●●	●●	●●
<b>N</b> NF metals	●	●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●	●	●
Page in catalogue	B 402	B 398	B 409	B 418	B 438
QR code					
www.walter-tools.com/woc/	Z3213	Z3218	A1549TFP	A1522	A4422

**WALTER SELECT**

●● Primary application ● Other application

# HSS drilling tools

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



Designation	A1544 VA	A1547 Alpha <sup>®</sup> XE	A1511	A1622 UFL <sup>®</sup>	A4622 UFL <sup>®</sup>
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Additional services					
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Standard	DIN 340	DIN 340	DIN 340	DIN 1869 I	DIN 1870 I
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Coating / grade	uncoated	uncoated	uncoated	uncoated	uncoated
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Shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank	Morse taper
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Diameter range [mm]	1–12	1–12,7	0,5–22	2–12,7	12–30
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<b>P</b> Steel	●	●	●	●●	●●
<b>M</b> Stainless steel	●●	●●	●	●	●
<b>K</b> Cast iron	●	●●	●	●●	●●
<b>N</b> NF metals	●	●	●	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●	●	●	●
<b>H</b> Hard materials					
<b>O</b> Other		●	●	●	●

Page in catalogue	B 415	B 412	B 423	B 426	B 440
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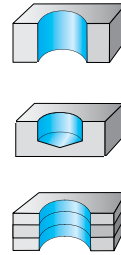
QR code					
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www.walter-tools.com/woc/	A1544	A1547	A1511	A1622	A4622
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B1

## HSS drilling tools

B1



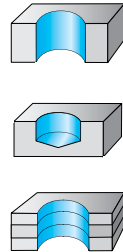
Drilling depth	16 x D <sub>C</sub>	22 x D <sub>C</sub>	30 x D <sub>C</sub>	60 x D <sub>C</sub>
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Designation	A4611	A1722 UFL®	A4722 UFL®	A1822 UFL®	A1922S UFL®
Additional services					
Standard	DIN 1870 I	DIN 1869 II	DIN 1870 II	DIN 1869 III	Walter
Coating / grade	uncoated	uncoated	uncoated	uncoated	uncoated
Shank	Morse taper	Cylindrical shank	Morse taper	Cylindrical shank	Cylindrical shank
Diameter range [mm]	8–40	3–12	8–40	3,5–12	6–14
<b>P</b> Steel	●	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●	●	●
<b>K</b> Cast iron	●	●●	●●	●●	●●
<b>N</b> NF metals	●	●●	●●	●●	●●
<b>S</b> Materials with difficult cutting properties	●	●	●	●	●
<b>H</b> Hard materials					
<b>O</b> Other	●	●	●	●	●
Page in catalogue	B 441	B 430	B 443	B 431	B 432
QR code					
www.walter-tools.com/woc/	A4611	A1722	A4722	A1822	A1922S



# HSS drilling tools



Drilling depth	85 x D <sub>C</sub>			
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Designation	A1922L UFL®	Z3219TIN	Z3219	Z3216
Additional services				
Standard	Walter			
Coating / grade	uncoated			
Shank	Cylindrical shank			
Diameter range [mm]	8-12	-	-	-
<b>P</b> Steel	●●	●●	●●	●●
<b>M</b> Stainless steel	●	●	●	●
<b>K</b> Cast iron	●●	●●	●●	●●
<b>N</b> NF metals	●●	●	●	●
<b>S</b> Materials with difficult cutting properties	●	●	●	●
<b>H</b> Hard materials				
<b>O</b> Other	●	●	●	●
Page in catalogue	B 433	B 399	B 399	B 403
QR code				
www.walter-tools.com/woc/	A1922L	Z3219TIN	Z3219	Z3216

WALTER SELECT

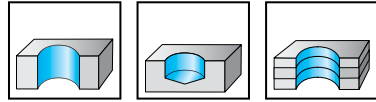
●● Primary application ● Other application

B1

# HSS-E twist drills, extra short

## A1149XPL

### UFL®



B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1149XPL-1	1		4	26	6	1
	A1149XPL-N060	1,016	No. 60	4	26	6	1,016
	A1149XPL-N059	1,041	No. 59	4	26	6	1,041
	A1149XPL-N058	1,067	No. 58	5	28	7	1,067
	A1149XPL-N057	1,092	No. 57	5	28	7	1,092
	A1149XPL-1.1	1,1		5	28	7	1,1
	A1149XPL-N056	1,181	No. 56	6	30	8	1,181
	A1149XPL-3/64IN	1,191	3/64"	6	30	8	1,191
	A1149XPL-1.2	1,2		6	30	8	1,2
	A1149XPL-1.3	1,3		6	30	8	1,3
	A1149XPL-N055	1,321	No. 55	6	32	9	1,321
	A1149XPL-N054	1,397	No. 54	6	32	9	1,397
	A1149XPL-1.4	1,4		6	32	9	1,4
	A1149XPL-1.5	1,5		6	32	9	1,5
	A1149XPL-N053	1,511	No. 53	7	34	10	1,511
	A1149XPL-1/16IN	1,588	1/16"	7	34	10	1,588
	A1149XPL-1.6	1,6		7	34	10	1,6
	A1149XPL-N052	1,613	No. 52	7	34	10	1,613
	A1149XPL-1.7	1,7		7	34	10	1,7
	A1149XPL-N051	1,702	No. 51	8	36	11	1,702
	A1149XPL-N050	1,778	No. 50	8	36	11	1,778
	A1149XPL-1.8	1,8		8	36	11	1,8
	A1149XPL-N049	1,854	No. 49	8	36	11	1,854
	A1149XPL-1.9	1,9		8	36	11	1,9
	A1149XPL-N048	1,930	No. 48	8	38	12	1,93
	A1149XPL-5/64IN	1,984	5/64"	8	38	12	1,984
	A1149XPL-N047	1,994	No. 47	8	38	12	1,994
	A1149XPL-2	2		8	38	12	2
	A1149XPL-N046	2,057	No. 46	8	38	12	2,057
	A1149XPL-N045	2,083	No. 45	8	38	12	2,083
A1149XPL-2.1	2,1		8	38	12	2,1	
A1149XPL-N044	2,184	No. 44	9	40	13	2,184	
A1149XPL-2.2	2,2		9	40	13	2,2	
A1149XPL-N043	2,261	No. 43	9	40	13	2,261	
A1149XPL-2.3	2,3		9	40	13	2,3	
A1149XPL-N042	2,375	No. 42	10	43	14	2,375	

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1149XPL-3/32IN	2,381	3/32"	10	43	14	2,381
	A1149XPL-2.4	2,4		10	43	14	2,4
	A1149XPL-NO41	2,438	No. 41	10	43	14	2,438
	A1149XPL-NO40	2,489	No. 40	10	43	14	2,489
	A1149XPL-2.5	2,5		10	43	14	2,5
	A1149XPL-NO39	2,527	No. 39	10	43	14	2,527
	A1149XPL-NO38	2,578	No. 38	10	43	14	2,578
	A1149XPL-2.6	2,6		10	43	14	2,6
	A1149XPL-NO37	2,642	No. 37	10	43	14	2,642
	A1149XPL-2.7	2,7		11	46	16	2,7
	A1149XPL-NO36	2,705	No. 36	11	46	16	2,705
	A1149XPL-7/64IN	2,778	7/64"	11	46	16	2,778
	A1149XPL-NO35	2,794	No. 35	11	46	16	2,794
	A1149XPL-2.8	2,8		11	46	16	2,8
	A1149XPL-NO34	2,819	No. 34	11	46	16	2,819
	A1149XPL-NO33	2,870	No. 33	11	46	16	2,87
	A1149XPL-2.9	2,9		11	46	16	2,9
	A1149XPL-NO32	2,946	No. 32	11	46	16	2,946
	A1149XPL-3	3		11	46	16	3
	A1149XPL-NO31	3,048	No. 31	12	49	18	3,048
	A1149XPL-3.1	3,1		12	49	18	3,1
	A1149XPL-1/8IN	3,175	1/8"	12	49	18	3,175
	A1149XPL-3.2	3,2		12	49	18	3,2
	A1149XPL-NO30	3,264	No. 30	12	49	18	3,264
	A1149XPL-3.3	3,3		12	49	18	3,3
	A1149XPL-3.4	3,4		14	52	20	3,4
	A1149XPL-NO29	3,454	No. 29	14	52	20	3,454
	A1149XPL-3.5	3,5		14	52	20	3,5
	A1149XPL-NO28	3,569	No. 28	14	52	20	3,569
	A1149XPL-9/64IN	3,572	9/64"	14	52	20	3,572
	A1149XPL-3.6	3,6		14	52	20	3,6
	A1149XPL-NO27	3,658	No. 27	14	52	20	3,658
	A1149XPL-3.7	3,7		14	52	20	3,7
	A1149XPL-NO26	3,734	No. 26	14	52	20	3,734
A1149XPL-NO25	3,797	No. 25	15	55	22	3,797	
A1149XPL-3.8	3,8		15	55	22	3,8	
A1149XPL-NO24	3,861	No. 24	15	55	22	3,861	
A1149XPL-3.9	3,9		15	55	22	3,9	
A1149XPL-NO23	3,912	No. 23	15	55	22	3,912	
A1149XPL-5/32IN	3,969	5/32"	15	55	22	3,969	
A1149XPL-NO22	3,988	No. 22	15	55	22	3,988	
A1149XPL-4	4		15	55	22	4	
A1149XPL-NO21	4,039	No. 21	15	55	22	4,039	
A1149XPL-NO20	4,089	No. 20	15	55	22	4,089	
A1149XPL-4.1	4,1		15	55	22	4,1	
A1149XPL-4.2	4,2		15	55	22	4,2	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1149XPL-NO19	4,216	No. 19	15	55	22	4,216
	A1149XPL-4.3	4,3		16	58	24	4,3
	A1149XPL-NO18	4,305	No. 18	16	58	24	4,305
	A1149XPL-11/64IN	4,366	11/64"	16	58	24	4,366
	A1149XPL-NO17	4,394	No. 17	16	58	24	4,394
	A1149XPL-4.4	4,4		16	58	24	4,4
	A1149XPL-NO16	4,496	No. 16	16	58	24	4,496
	A1149XPL-4.5	4,5		16	58	24	4,5
	A1149XPL-NO15	4,572	No. 15	16	58	24	4,572
	A1149XPL-4.6	4,6		16	58	24	4,6
	A1149XPL-NO14	4,623	No. 14	16	58	24	4,623
	A1149XPL-4.65	4,65		16	58	24	4,65
	A1149XPL-NO13	4,699	No. 13	16	58	24	4,699
	A1149XPL-4.7	4,7		16	58	24	4,7
	A1149XPL-3/16IN	4,763	3/16"	18	62	26	4,763
	A1149XPL-4.8	4,8		18	62	26	4,8
	A1149XPL-NO12	4,801	No. 12	18	62	26	4,801
	A1149XPL-NO11	4,851	No. 11	18	62	26	4,851
	A1149XPL-4.9	4,9		18	62	26	4,9
	A1149XPL-NO10	4,915	No. 10	18	62	26	4,915
	A1149XPL-NO9	4,978	No. 09	18	62	26	4,978
	A1149XPL-5	5		18	62	26	5
	A1149XPL-NO8	5,055	No. 08	18	62	26	5,055
	A1149XPL-5.1	5,1		18	62	26	5,1
	A1149XPL-NO7	5,105	No. 07	18	62	26	5,105
	A1149XPL-13/64IN	5,159	13/64"	18	62	26	5,159
	A1149XPL-NO6	5,182	No. 06	18	62	26	5,182
	A1149XPL-5.2	5,2		18	62	26	5,2
	A1149XPL-NO5	5,220	No. 05	18	62	26	5,22
	A1149XPL-5.3	5,3		18	62	26	5,3
	A1149XPL-NO4	5,309	No. 04	19	66	28	5,309
	A1149XPL-5.4	5,4		19	66	28	5,4
	A1149XPL-NO3	5,410	No. 03	19	66	28	5,41
A1149XPL-5.5	5,5		19	66	28	5,5	
A1149XPL-5.55	5,55		19	66	28	5,55	
A1149XPL-7/32IN	5,556	7/32"	19	66	28	5,556	
A1149XPL-5.6	5,6		19	66	28	5,6	
A1149XPL-NO2	5,613	No. 02	19	66	28	5,613	
A1149XPL-5.7	5,7		19	66	28	5,7	
A1149XPL-NO1	5,791	No. 01	19	66	28	5,791	
A1149XPL-5.8	5,8		19	66	28	5,8	
A1149XPL-5.9	5,9		19	66	28	5,9	
A1149XPL-LET.A	5,944	Let. A	19	66	28	5,944	
A1149XPL-15/64IN	5,953	15/64"	19	66	28	5,953	
A1149XPL-6	6		19	66	28	6	
A1149XPL-LET.B	6,045	Let. B	20	70	31	6,045	

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1149XPL-6.1	6,1		20	70	31	6,1
	A1149XPL-LET.C	6,147	Let. C	20	70	31	6,147
	A1149XPL-6.2	6,2		20	70	31	6,2
	A1149XPL-LET.D	6,248	Let. D	20	70	31	6,248
	A1149XPL-6.3	6,3		20	70	31	6,3
	A1149XPL-1/4IN	6,350	1/4"	20	70	31	6,35
	A1149XPL-6.4	6,4		20	70	31	6,4
	A1149XPL-6.5	6,5		20	70	31	6,5
	A1149XPL-LET.F	6,528	Let. F	20	70	31	6,528
	A1149XPL-6.6	6,6		20	70	31	6,6
	A1149XPL-LET.G	6,629	Let. G	20	70	31	6,629
	A1149XPL-6.7	6,7		20	70	31	6,7
	A1149XPL-17/64IN	6,747	17/64"	22	74	34	6,747
	A1149XPL-LET.H	6,756	Let. H	22	74	34	6,756
	A1149XPL-6.8	6,8		22	74	34	6,8
	A1149XPL-6.9	6,9		22	74	34	6,9
	A1149XPL-LET.I	6,909	Let. I	22	74	34	6,909
	A1149XPL-7	7		22	74	34	7
	A1149XPL-LET.J	7,036	Let. J	22	74	34	7,036
	A1149XPL-7.1	7,1		22	74	34	7,1
	A1149XPL-LET.K	7,137	Let. K	22	74	34	7,137
	A1149XPL-9/32IN	7,144	9/32"	22	74	34	7,144
	A1149XPL-7.2	7,2		22	74	34	7,2
	A1149XPL-7.3	7,3		22	74	34	7,3
	A1149XPL-LET.L	7,366	Let. L	22	74	34	7,366
	A1149XPL-7.4	7,4		22	74	34	7,4
	A1149XPL-LET.M	7,493	Let. M	22	74	34	7,493
	A1149XPL-7.5	7,5		22	74	34	7,5
	A1149XPL-19/64IN	7,541	19/64"	24	79	37	7,541
	A1149XPL-7.6	7,6		24	79	37	7,6
	A1149XPL-LET.N	7,671	Let. N	24	79	37	7,671
	A1149XPL-7.7	7,7		24	79	37	7,7
	A1149XPL-7.8	7,8		24	79	37	7,8
	A1149XPL-7.9	7,9		24	79	37	7,9
	A1149XPL-5/16IN	7,938	5/16"	24	79	37	7,938
	A1149XPL-8	8		24	79	37	8
A1149XPL-LET.O	8,026	Let. O	24	79	37	8,026	
A1149XPL-8.1	8,1		24	79	37	8,1	
A1149XPL-8.2	8,2		24	79	37	8,2	
A1149XPL-LET.P	8,204	Let. P	24	79	37	8,204	
A1149XPL-8.3	8,3		24	79	37	8,3	
A1149XPL-21/64IN	8,334	21/64"	24	79	37	8,334	
A1149XPL-8.4	8,4		24	79	37	8,4	
A1149XPL-LET.Q	8,433	Let. Q	24	79	37	8,433	
A1149XPL-8.5	8,5		24	79	37	8,5	
A1149XPL-8.6	8,6		25	84	40	8,6	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1149XPL-LET.R	8,611	Let. R	25	84	40	8,611
	A1149XPL-8.7	8,7		25	84	40	8,7
	A1149XPL-11/32IN	8,731	11/32"	25	84	40	8,731
	A1149XPL-8.8	8,8		25	84	40	8,8
	A1149XPL-LET.S	8,839	Let. S	25	84	40	8,839
	A1149XPL-8.9	8,9		25	84	40	8,9
	A1149XPL-9	9		25	84	40	9
	A1149XPL-LET.T	9,093	Let. T	25	84	40	9,093
	A1149XPL-9.1	9,1		25	84	40	9,1
	A1149XPL-23/64IN	9,128	23/64"	25	84	40	9,128
	A1149XPL-9.2	9,2		25	84	40	9,2
	A1149XPL-9.3	9,3		25	84	40	9,3
	A1149XPL-LET.U	9,347	Let. U	25	84	40	9,347
	A1149XPL-9.4	9,4		25	84	40	9,4
	A1149XPL-9.5	9,5		25	84	40	9,5
	A1149XPL-3/8IN	9,525	3/8"	27	89	43	9,525
	A1149XPL-LET.V	9,576	Let. V	27	89	43	9,576
	A1149XPL-9.6	9,6		27	89	43	9,6
	A1149XPL-9.7	9,7		27	89	43	9,7
	A1149XPL-9.8	9,8		27	89	43	9,8
	A1149XPL-LET.W	9,804	Let. W	27	89	43	9,804
	A1149XPL-9.9	9,9		27	89	43	9,9
	A1149XPL-25/64IN	9,922	25/64"	27	89	43	9,922
	A1149XPL-10	10		27	89	43	10
	A1149XPL-LET.X	10,084	Let. X	27	89	43	10,084
	A1149XPL-10.2	10,2		27	89	43	10,2
	A1149XPL-LET.Y	10,262	Let. Y	27	89	43	10,262
	A1149XPL-13/32IN	10,319	13/32"	27	89	43	10,319
	A1149XPL-LET.Z	10,490	Let. Z	27	89	43	10,49
	A1149XPL-10.5	10,5		27	89	43	10,5
	A1149XPL-27/64IN	10,716	27/64"	29	95	47	10,716
	A1149XPL-10.8	10,8		29	95	47	10,8
	A1149XPL-11	11		29	95	47	11
A1149XPL-7/16IN	11,113	7/16"	29	95	47	11,113	
A1149XPL-11.2	11,2		29	95	47	11,2	
A1149XPL-11.3	11,3		29	95	47	11,3	
A1149XPL-11.5	11,5		29	95	47	11,5	
A1149XPL-29/64IN	11,509	29/64"	29	95	47	11,509	
A1149XPL-11.8	11,8		29	95	47	11,8	
A1149XPL-15/32IN	11,906	15/32"	37	102	51	11,906	
A1149XPL-12	12		37	102	51	12	
A1149XPL-31/64IN	12,303	31/64"	37	102	51	12,303	
A1149XPL-12.5	12,5		37	102	51	12,5	
A1149XPL-1/2IN	12,700	1/2"	37	102	51	12,7	
A1149XPL-12.8	12,8		37	102	51	12,8	
A1149XPL-13	13		37	102	51	13	

Tool		D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1149XPL-33/64IN	13,097		37	102	51	13,097
	A1149XPL-13.1	13,1		37	102	51	13,1
	A1149XPL-13.3	13,3		40	107	54	13,3
	A1149XPL-17/32IN	13,494	17/32"	40	107	54	13,494
	A1149XPL-13.5	13,5		40	107	54	13,5
	A1149XPL-35/64IN	13,891		40	107	54	13,891
	A1149XPL-14	14		40	107	54	14
	A1149XPL-9/16IN	14,288	9/16"	41	111	56	14,288
	A1149XPL-14.5	14,5		41	111	56	14,5
	A1149XPL-37/64IN	14,684	37/64"	41	111	56	14,684
	A1149XPL-15	15		41	111	56	15
	A1149XPL-19/32IN	15,081	19/32"	42	115	58	15,081
	A1149XPL-15.1	15,1		42	115	58	15,1
	A1149XPL-15.3	15,3		42	115	58	15,3
	A1149XPL-39/64IN	15,478	39/64"	42	115	58	15,478
	A1149XPL-15.5	15,5		42	115	58	15,5
	A1149XPL-5/8IN	15,875	5/8"	42	115	58	15,875
	A1149XPL-16	16		42	115	58	16
	A1149XPL-41/64IN	16,272		43	119	60	16,272
	A1149XPL-16.5	16,5		43	119	60	16,5
A1149XPL-21/32IN	16,669		43	119	60	16,669	
A1149XPL-17	17		43	119	60	17	
A1149XPL-43/64IN	17,066		44	123	62	17,066	
A1149XPL-11/16IN	17,463		44	123	62	17,463	
A1149XPL-17.5	17,5		44	123	62	17,5	
A1149XPL-45/64IN	17,859	45/64"	44	123	62	17,859	
A1149XPL-18	18		44	123	62	18	
A1149XPL-23/32IN	18,256	23/32"	45	127	64	18,256	
A1149XPL-18.5	18,5		45	127	64	18,5	
A1149XPL-47/64IN	18,653	47/64"	45	127	64	18,653	
A1149XPL-19	19		45	127	64	19	
A1149XPL-3/4IN	19,050	3/4"	46	131	66	19,05	
A1149XPL-19.5	19,5		46	131	66	19,5	
A1149XPL-20	20		46	131	66	20	

B1

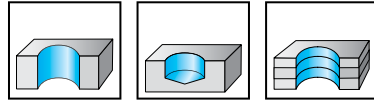
**WALTER SELECT**

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

# HSS-E twist drills, extra short

## A1154TFT

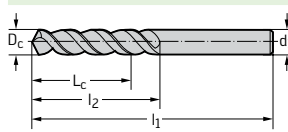
### VA Inox



P	M	K	N	S	H	O
●	●●	●●	●●	●	●	●

TFT

B1

**Tool**


Cylindrical shank

Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
A1154TFT-2	2	8	38	12	2
A1154TFT-2.1	2.1	8	38	12	2.1
A1154TFT-2.2	2.2	9	40	13	2.2
A1154TFT-2.3	2.3	9	40	13	2.3
A1154TFT-2.4	2.4	10	43	14	2.4
A1154TFT-2.5	2.5	10	43	14	2.5
A1154TFT-2.6	2.6	10	43	14	2.6
A1154TFT-2.7	2.7	11	46	16	2.7
A1154TFT-2.8	2.8	11	46	16	2.8
A1154TFT-2.9	2.9	11	46	16	2.9
A1154TFT-3	3	11	46	16	3
A1154TFT-3.1	3.1	12	49	18	3.1
A1154TFT-3.2	3.2	12	49	18	3.2
A1154TFT-3.3	3.3	12	49	18	3.3
A1154TFT-3.4	3.4	14	52	20	3.4
A1154TFT-3.5	3.5	14	52	20	3.5
A1154TFT-3.6	3.6	14	52	20	3.6
A1154TFT-3.7	3.7	14	52	20	3.7
A1154TFT-3.8	3.8	15	55	22	3.8
A1154TFT-3.9	3.9	15	55	22	3.9
A1154TFT-4	4	15	55	22	4
A1154TFT-4.1	4.1	15	55	22	4.1
A1154TFT-4.2	4.2	15	55	22	4.2
A1154TFT-4.3	4.3	16	58	24	4.3
A1154TFT-4.4	4.4	16	58	24	4.4
A1154TFT-4.5	4.5	16	58	24	4.5
A1154TFT-4.6	4.6	16	58	24	4.6
A1154TFT-4.65	4.65	16	58	24	4.65
A1154TFT-4.7	4.7	16	58	24	4.7
A1154TFT-4.8	4.8	18	62	26	4.8
A1154TFT-4.9	4.9	18	62	26	4.9
A1154TFT-5	5	18	62	26	5
A1154TFT-5.1	5.1	18	62	26	5.1
A1154TFT-5.2	5.2	18	62	26	5.2
A1154TFT-5.3	5.3	18	62	26	5.3
A1154TFT-5.4	5.4	19	66	28	5.4

**WALTER  
SELECT**

●● Primary application   ● Other application

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



Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1154TFT-5.5	5,5	19	66	28	5,5
	A1154TFT-5.55	5,55	19	66	28	5,55
	A1154TFT-5.6	5,6	19	66	28	5,6
	A1154TFT-5.7	5,7	19	66	28	5,7
	A1154TFT-5.8	5,8	19	66	28	5,8
	A1154TFT-5.9	5,9	19	66	28	5,9
	A1154TFT-6	6	19	66	28	6
	A1154TFT-6.1	6,1	20	70	31	6,1
	A1154TFT-6.2	6,2	20	70	31	6,2
	A1154TFT-6.3	6,3	20	70	31	6,3
	A1154TFT-6.4	6,4	20	70	31	6,4
	A1154TFT-6.5	6,5	20	70	31	6,5
	A1154TFT-6.6	6,6	20	70	31	6,6
	A1154TFT-6.7	6,7	20	70	31	6,7
	A1154TFT-6.8	6,8	22	74	34	6,8
	A1154TFT-6.9	6,9	22	74	34	6,9
	A1154TFT-7	7	22	74	34	7
	A1154TFT-7.1	7,1	22	74	34	7,1
	A1154TFT-7.2	7,2	22	74	34	7,2
	A1154TFT-7.3	7,3	22	74	34	7,3
	A1154TFT-7.4	7,4	22	74	34	7,4
	A1154TFT-7.5	7,5	22	74	34	7,5
	A1154TFT-7.6	7,6	24	79	37	7,6
	A1154TFT-7.7	7,7	24	79	37	7,7
	A1154TFT-7.8	7,8	24	79	37	7,8
	A1154TFT-7.9	7,9	24	79	37	7,9
	A1154TFT-8	8	24	79	37	8
	A1154TFT-8.1	8,1	24	79	37	8,1
	A1154TFT-8.2	8,2	24	79	37	8,2
A1154TFT-8.3	8,3	24	79	37	8,3	
A1154TFT-8.4	8,4	24	79	37	8,4	
A1154TFT-8.5	8,5	24	79	37	8,5	
A1154TFT-8.6	8,6	25	84	40	8,6	
A1154TFT-8.7	8,7	25	84	40	8,7	
A1154TFT-8.8	8,8	25	84	40	8,8	
A1154TFT-8.9	8,9	25	84	40	8,9	
A1154TFT-9	9	25	84	40	9	
A1154TFT-9.1	9,1	25	84	40	9,1	
A1154TFT-9.2	9,2	25	84	40	9,2	
A1154TFT-9.3	9,3	25	84	40	9,3	
A1154TFT-9.4	9,4	25	84	40	9,4	
A1154TFT-9.5	9,5	25	84	40	9,5	
A1154TFT-9.6	9,6	27	89	43	9,6	
A1154TFT-9.7	9,7	27	89	43	9,7	
A1154TFT-9.8	9,8	27	89	43	9,8	
A1154TFT-9.9	9,9	27	89	43	9,9	

B1

**WALTER SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1154TFT-10	10	27	89	43	10
	A1154TFT-10.2	10,2	27	89	43	10,2
	A1154TFT-10.3	10,3	27	89	43	10,3
	A1154TFT-10.5	10,5	27	89	43	10,5
	A1154TFT-10.6	10,6	27	89	43	10,6
	A1154TFT-10.7	10,7	29	95	47	10,7
	A1154TFT-10.8	10,8	29	95	47	10,8
	A1154TFT-10.9	10,9	29	95	47	10,9
	A1154TFT-11	11	29	95	47	11
	A1154TFT-11.1	11,1	29	95	47	11,1
	A1154TFT-11.2	11,2	29	95	47	11,2
	A1154TFT-11.3	11,3	29	95	47	11,3
	A1154TFT-11.5	11,5	29	95	47	11,5
	A1154TFT-11.6	11,6	29	95	47	11,6
	A1154TFT-11.8	11,8	29	95	47	11,8
	A1154TFT-11.9	11,9	37	102	51	11,9
	A1154TFT-12	12	37	102	51	12
	A1154TFT-12.1	12,1	37	102	51	12,1
	A1154TFT-12.3	12,3	37	102	51	12,3
	A1154TFT-12.5	12,5	37	102	51	12,5
	A1154TFT-12.6	12,6	37	102	51	12,6
	A1154TFT-12.7	12,700	37	102	51	12,7
	A1154TFT-13	13	37	102	51	13
	A1154TFT-13.1	13,1	37	102	51	13,1
	A1154TFT-13.2	13,2	37	102	51	13,2
	A1154TFT-13.3	13,3	40	107	54	13,3
	A1154TFT-13.4	13,4	40	107	54	13,4
	A1154TFT-13.5	13,5	40	107	54	13,5
	A1154TFT-13.6	13,6	40	107	54	13,6
	A1154TFT-14	14	40	107	54	14
	A1154TFT-14.1	14,1	41	111	56	14,1
	A1154TFT-14.2	14,2	41	111	56	14,2
	A1154TFT-14.5	14,5	41	111	56	14,5
A1154TFT-14.8	14,8	41	111	56	14,8	
A1154TFT-15	15	41	111	56	15	
A1154TFT-15.1	15,1	42	115	58	15,1	
A1154TFT-15.2	15,2	42	115	58	15,2	
A1154TFT-15.3	15,3	42	115	58	15,3	
A1154TFT-15.5	15,5	42	115	58	15,5	
A1154TFT-15.8	15,8	42	115	58	15,8	
A1154TFT-16	16	42	115	58	16	

B1

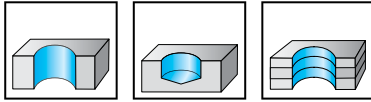
# HSS-E twist drills, extra short

## A1148

### UFL®



- Uncoated up to 1.9 mm



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1148-1	1		4	26	6	1
	A1148-N060	1,016	No. 60	4	26	6	1,016
	A1148-N059	1,041	No. 59	4	26	6	1,041
	A1148-N058	1,067	No. 58	5	28	7	1,067
	A1148-N057	1,092	No. 57	5	28	7	1,092
	A1148-1.1	1,1		5	28	7	1,1
	A1148-N056	1,181	No. 56	6	30	8	1,181
	A1148-3/64IN	1,191	3/64"	6	30	8	1,191
	A1148-1.2	1,2		6	30	8	1,2
	A1148-1.3	1,3		6	30	8	1,3
	A1148-N055	1,321	No. 55	6	32	9	1,321
	A1148-N054	1,397	No. 54	6	32	9	1,397
	A1148-1.4	1,4		6	32	9	1,4
	A1148-1.5	1,5		6	32	9	1,5
	A1148-N053	1,511	No. 53	7	34	10	1,511
	A1148-1/16IN	1,588	1/16"	7	34	10	1,588
	A1148-1.6	1,6		7	34	10	1,6
	A1148-N052	1,613	No. 52	7	34	10	1,613
	A1148-1.7	1,7		7	34	10	1,7
	A1148-N051	1,702	No. 51	8	36	11	1,702
	A1148-N050	1,778	No. 50	8	36	11	1,778
	A1148-1.8	1,8		8	36	11	1,8
	A1148-N049	1,854	No. 49	8	36	11	1,854
	A1148-1.9	1,9		8	36	11	1,9
	A1148-N048	1,930	No. 48	8	38	12	1,93
	A1148-5/64IN	1,984	5/64"	8	38	12	1,984
	A1148-N047	1,994	No. 47	8	38	12	1,994
	A1148-2	2		8	38	12	2
	A1148-N046	2,057	No. 46	8	38	12	2,057
	A1148-N045	2,083	No. 45	8	38	12	2,083
	A1148-2.1	2,1		8	38	12	2,1
	A1148-N044	2,184	No. 44	9	40	13	2,184
A1148-2.2	2,2		9	40	13	2,2	
A1148-N043	2,261	No. 43	9	40	13	2,261	
A1148-2.3	2,3		9	40	13	2,3	
A1148-N042	2,375	No. 42	10	43	14	2,375	

WALTER  
SELECT

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1148-3/32IN	2,381	3/32"	10	43	14	2,381
	A1148-2.4	2,4		10	43	14	2,4
	A1148-N041	2,438	No. 41	10	43	14	2,438
	A1148-N040	2,489	No. 40	10	43	14	2,489
	A1148-2.5	2,5		10	43	14	2,5
	A1148-N039	2,527	No. 39	10	43	14	2,527
	A1148-N038	2,578	No. 38	10	43	14	2,578
	A1148-2.6	2,6		10	43	14	2,6
	A1148-N037	2,642	No. 37	10	43	14	2,642
	A1148-2.7	2,7		11	46	16	2,7
	A1148-N036	2,705	No. 36	11	46	16	2,705
	A1148-7/64IN	2,778	7/64"	11	46	16	2,778
	A1148-N035	2,794	No. 35	11	46	16	2,794
	A1148-2.8	2,8		11	46	16	2,8
	A1148-N034	2,819	No. 34	11	46	16	2,819
	A1148-N033	2,870	No. 33	11	46	16	2,87
	A1148-2.9	2,9		11	46	16	2,9
	A1148-N032	2,946	No. 32	11	46	16	2,946
	A1148-3	3		11	46	16	3
	A1148-N031	3,048	No. 31	12	49	18	3,048
	A1148-3.1	3,1		12	49	18	3,1
	A1148-1/8IN	3,175	1/8"	12	49	18	3,175
	A1148-3.2	3,2		12	49	18	3,2
	A1148-N030	3,264	No. 30	12	49	18	3,264
	A1148-3.3	3,3		12	49	18	3,3
	A1148-3.4	3,4		14	52	20	3,4
	A1148-N029	3,454	No. 29	14	52	20	3,454
	A1148-3.5	3,5		14	52	20	3,5
	A1148-N028	3,569	No. 28	14	52	20	3,569
	A1148-9/64IN	3,572	9/64"	14	52	20	3,572
	A1148-3.6	3,6		14	52	20	3,6
	A1148-N027	3,658	No. 27	14	52	20	3,658
A1148-3.7	3,7		14	52	20	3,7	
A1148-N026	3,734	No. 26	14	52	20	3,734	
A1148-N025	3,797	No. 25	15	55	22	3,797	
A1148-3.8	3,8		15	55	22	3,8	
A1148-N024	3,861	No. 24	15	55	22	3,861	
A1148-3.9	3,9		15	55	22	3,9	
A1148-N023	3,912	No. 23	15	55	22	3,912	
A1148-5/32IN	3,969	5/32"	15	55	22	3,969	
A1148-N022	3,988	No. 22	15	55	22	3,988	
A1148-4	4		15	55	22	4	
A1148-N021	4,039	No. 21	15	55	22	4,039	
A1148-N020	4,089	No. 20	15	55	22	4,089	
A1148-4.1	4,1		15	55	22	4,1	
A1148-4.2	4,2		15	55	22	4,2	

Tool		D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	Designation						
	A1148-NO19	4,216	No. 19	15	55	22	4,216
	A1148-4.3	4,3		16	58	24	4,3
	A1148-NO18	4,305	No. 18	16	58	24	4,305
	A1148-11/64IN	4,366	11/64"	16	58	24	4,366
	A1148-NO17	4,394	No. 17	16	58	24	4,394
	A1148-4.4	4,4		16	58	24	4,4
	A1148-NO16	4,496	No. 16	16	58	24	4,496
	A1148-4.5	4,5		16	58	24	4,5
	A1148-NO15	4,572	No. 15	16	58	24	4,572
	A1148-4.6	4,6		16	58	24	4,6
	A1148-NO14	4,623	No. 14	16	58	24	4,623
	A1148-NO13	4,699	No. 13	16	58	24	4,699
	A1148-4.7	4,7		16	58	24	4,7
	A1148-3/16IN	4,763	3/16"	18	62	26	4,763
	A1148-4.8	4,8		18	62	26	4,8
	A1148-NO12	4,801	No. 12	18	62	26	4,801
	A1148-NO11	4,851	No. 11	18	62	26	4,851
	A1148-4.9	4,9		18	62	26	4,9
	A1148-NO10	4,915	No. 10	18	62	26	4,915
	A1148-NO9	4,978	No. 09	18	62	26	4,978
	A1148-5	5		18	62	26	5
	A1148-NO8	5,055	No. 08	18	62	26	5,055
	A1148-5.1	5,1		18	62	26	5,1
	A1148-NO7	5,105	No. 07	18	62	26	5,105
	A1148-13/64IN	5,159	13/64"	18	62	26	5,159
	A1148-NO6	5,182	No. 06	18	62	26	5,182
	A1148-5.2	5,2		18	62	26	5,2
	A1148-NO5	5,220	No. 05	18	62	26	5,22
	A1148-5.3	5,3		18	62	26	5,3
A1148-NO4	5,309	No. 04	19	66	28	5,309	
A1148-5.4	5,4		19	66	28	5,4	
A1148-NO3	5,410	No. 03	19	66	28	5,41	
A1148-5.5	5,5		19	66	28	5,5	
A1148-7/32IN	5,556	7/32"	19	66	28	5,556	
A1148-5.6	5,6		19	66	28	5,6	
A1148-NO2	5,613	No. 02	19	66	28	5,613	
A1148-5.7	5,7		19	66	28	5,7	
A1148-NO1	5,791	No. 01	19	66	28	5,791	
A1148-5.8	5,8		19	66	28	5,8	
A1148-5.9	5,9		19	66	28	5,9	
A1148-LET.A	5,944	Let. A	19	66	28	5,944	
A1148-15/64IN	5,953	15/64"	19	66	28	5,953	
A1148-6	6		19	66	28	6	
A1148-LET.B	6,045	Let. B	20	70	31	6,045	
A1148-6.1	6,1		20	70	31	6,1	
A1148-LET.C	6,147	Let. C	20	70	31	6,147	

B1

**WALTER SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1148-6.2	6,2		20	70	31	6,2
	A1148-LET.D	6,248	Let. D	20	70	31	6,248
	A1148-6.3	6,3		20	70	31	6,3
	A1148-1/4IN	6,350	1/4"	20	70	31	6,35
	A1148-6.4	6,4		20	70	31	6,4
	A1148-6.5	6,5		20	70	31	6,5
	A1148-LET.F	6,528	Let. F	20	70	31	6,528
	A1148-6.6	6,6		20	70	31	6,6
	A1148-LET.G	6,629	Let. G	20	70	31	6,629
	A1148-6.7	6,7		20	70	31	6,7
	A1148-17/64IN	6,747	17/64"	22	74	34	6,747
	A1148-LET.H	6,756	Let. H	22	74	34	6,756
	A1148-6.8	6,8		22	74	34	6,8
	A1148-6.9	6,9		22	74	34	6,9
	A1148-LET.I	6,909	Let. I	22	74	34	6,909
	A1148-7	7		22	74	34	7
	A1148-LET.J	7,036	Let. J	22	74	34	7,036
	A1148-7.1	7,1		22	74	34	7,1
	A1148-LET.K	7,137	Let. K	22	74	34	7,137
	A1148-9/32IN	7,144	9/32"	22	74	34	7,144
	A1148-7.2	7,2		22	74	34	7,2
	A1148-7.3	7,3		22	74	34	7,3
	A1148-LET.L	7,366	Let. L	22	74	34	7,366
	A1148-7.4	7,4		22	74	34	7,4
	A1148-LET.M	7,493	Let. M	22	74	34	7,493
	A1148-7.5	7,5		22	74	34	7,5
	A1148-19/64IN	7,541	19/64"	24	79	37	7,541
	A1148-7.6	7,6		24	79	37	7,6
A1148-LET.N	7,671	Let. N	24	79	37	7,671	
A1148-7.7	7,7		24	79	37	7,7	
A1148-7.8	7,8		24	79	37	7,8	
A1148-7.9	7,9		24	79	37	7,9	
A1148-5/16IN	7,938	5/16"	24	79	37	7,938	
A1148-8	8		24	79	37	8	
A1148-LET.O	8,026	Let. O	24	79	37	8,026	
A1148-8.1	8,1		24	79	37	8,1	
A1148-8.2	8,2		24	79	37	8,2	
A1148-LET.P	8,204	Let. P	24	79	37	8,204	
A1148-8.3	8,3		24	79	37	8,3	
A1148-21/64IN	8,334	21/64"	24	79	37	8,334	
A1148-8.4	8,4		24	79	37	8,4	
A1148-LET.Q	8,433	Let. Q	24	79	37	8,433	
A1148-8.5	8,5		24	79	37	8,5	
A1148-8.6	8,6		25	84	40	8,6	
A1148-LET.R	8,611	Let. R	25	84	40	8,611	
A1148-8.7	8,7		25	84	40	8,7	

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1148-11/32IN	8,731	11/32"	25	84	40	8,731
	A1148-8.8	8,8		25	84	40	8,8
	A1148-LET.S	8,839	Let. S	25	84	40	8,839
	A1148-8.9	8,9		25	84	40	8,9
	A1148-9	9		25	84	40	9
	A1148-LET.T	9,093	Let. T	25	84	40	9,093
	A1148-9.1	9,1		25	84	40	9,1
	A1148-23/64IN	9,128	23/64"	25	84	40	9,128
	A1148-9.2	9,2		25	84	40	9,2
	A1148-9.3	9,3		25	84	40	9,3
	A1148-LET.U	9,347	Let. U	25	84	40	9,347
	A1148-9.4	9,4		25	84	40	9,4
	A1148-9.5	9,5		25	84	40	9,5
	A1148-3/8IN	9,525	3/8"	27	89	43	9,525
	A1148-LET.V	9,576	Let. V	27	89	43	9,576
	A1148-9.6	9,6		27	89	43	9,6
	A1148-9.7	9,7		27	89	43	9,7
	A1148-9.8	9,8		27	89	43	9,8
	A1148-LET.W	9,804	Let. W	27	89	43	9,804
	A1148-9.9	9,9		27	89	43	9,9
	A1148-25/64IN	9,922	25/64"	27	89	43	9,922
	A1148-10	10		27	89	43	10
	A1148-LET.X	10,084	Let. X	27	89	43	10,084
	A1148-10.2	10,2		27	89	43	10,2
	A1148-LET.Y	10,262	Let. Y	27	89	43	10,262
	A1148-13/32IN	10,319	13/32"	27	89	43	10,319
	A1148-LET.Z	10,490	Let. Z	27	89	43	10,49
	A1148-10.5	10,5		27	89	43	10,5
	A1148-27/64IN	10,716	27/64"	29	95	47	10,716
	A1148-10.8	10,8		29	95	47	10,8
	A1148-11	11		29	95	47	11
	A1148-7/16IN	11,113	7/16"	29	95	47	11,113
	A1148-11.2	11,2		29	95	47	11,2
A1148-11.5	11,5		29	95	47	11,5	
A1148-29/64IN	11,509	29/64"	29	95	47	11,509	
A1148-11.8	11,8		29	95	47	11,8	
A1148-15/32IN	11,906	15/32"	37	102	51	11,906	
A1148-12	12		37	102	51	12	
A1148-31/64IN	12,303	31/64"	37	102	51	12,303	
A1148-12.5	12,5		37	102	51	12,5	
A1148-1/2IN	12,700	1/2"	37	102	51	12,7	
A1148-12.8	12,8		37	102	51	12,8	
A1148-13	13		37	102	51	13	
A1148-33/64IN	13,097		37	102	51	13,097	
A1148-13.3	13,3		40	107	54	13,3	
A1148-17/32IN	13,494	17/32"	40	107	54	13,494	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1148-13.5	13,5		40	107	54	13,5
	A1148-35/64IN	13,891		40	107	54	13,891
	A1148-14	14		40	107	54	14
	A1148-9/16IN	14,288	9/16"	41	111	56	14,288
	A1148-14.5	14,5		41	111	56	14,5
	A1148-37/64IN	14,684	37/64"	41	111	56	14,684
	A1148-15	15		41	111	56	15
	A1148-19/32IN	15,081	19/32"	42	115	58	15,081
	A1148-15.3	15,3		42	115	58	15,3
	A1148-39/64IN	15,478	39/64"	42	115	58	15,478
	A1148-15.5	15,5		42	115	58	15,5
	A1148-5/8IN	15,875	5/8"	42	115	58	15,875
	A1148-16	16		42	115	58	16
	A1148-41/64IN	16,272		43	119	60	16,272
	A1148-16.5	16,5		43	119	60	16,5
	A1148-21/32IN	16,669		43	119	60	16,669
	A1148-17	17		43	119	60	17
	A1148-43/64IN	17,066		44	123	62	17,066
	A1148-11/16IN	17,463		44	123	62	17,463
	A1148-17.5	17,5		44	123	62	17,5
A1148-45/64IN	17,859	45/64"	44	123	62	17,859	
A1148-18	18		44	123	62	18	
A1148-23/32IN	18,256	23/32"	45	127	64	18,256	
A1148-18.5	18,5		45	127	64	18,5	
A1148-47/64IN	18,653	47/64"	45	127	64	18,653	
A1148-19	19		45	127	64	19	
A1148-3/4IN	19,050	3/4"	46	131	66	19,05	
A1148-19.5	19,5		46	131	66	19,5	
A1148-20	20		46	131	66	20	

B1

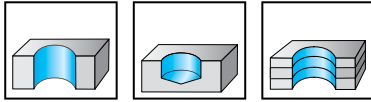


# HSS-E micro drills

## A3143



- Type ESU



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

B1

Tool	Designation	D <sub>c</sub> 0-0,004 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h8 mm
<p>Cylindrical shank</p>	A3143-005	0,05	0,2	25	0,3	1
	A3143-006	0,06	0,2	25	0,3	1
	A3143-007	0,07	0,2	25	0,4	1
	A3143-008	0,08	0,2	25	0,4	1
	A3143-009	0,09	0,2	25	0,4	1
	A3143-01	0,1	0,3	25	0,5	1
	A3143-011	0,11	0,3	25	0,5	1
	A3143-012	0,12	0,3	25	0,5	1
	A3143-013	0,13	0,5	25	0,8	1
	A3143-014	0,14	0,5	25	0,8	1
	A3143-015	0,15	0,5	25	0,8	1
	A3143-016	0,16	0,8	25	1,1	1
	A3143-017	0,17	0,8	25	1,1	1
	A3143-018	0,18	0,8	25	1,1	1
	A3143-019	0,19	0,8	25	1,1	1
	A3143-02	0,2	1,1	25	1,5	1
	A3143-021	0,21	1,1	25	1,5	1
	A3143-022	0,22	1,1	25	1,5	1
	A3143-023	0,23	1,1	25	1,5	1
	A3143-024	0,24	1,1	25	1,5	1
	A3143-025	0,25	1,4	25	1,9	1
	A3143-026	0,26	1,4	25	1,9	1
	A3143-027	0,27	1,4	25	1,9	1
	A3143-028	0,28	1,4	25	1,9	1
	A3143-029	0,29	1,4	25	1,9	1
	A3143-03	0,3	1,4	25	1,9	1
	A3143-031	0,31	1,8	25	2,4	1
	A3143-032	0,32	1,8	25	2,4	1
	A3143-033	0,33	1,8	25	2,4	1
	A3143-034	0,34	1,8	25	2,4	1
	A3143-035	0,35	1,8	25	2,4	1
	A3143-036	0,36	1,8	25	2,4	1
	A3143-037	0,37	1,8	25	2,4	1
	A3143-038	0,38	1,8	25	2,4	1
	A3143-039	0,39	2,2	25	3	1
	A3143-04	0,4	2,2	25	3	1

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

Tool	Designation	D <sub>c</sub> 0-0,004 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h8 mm
<p>Cylindrical shank</p>	A3143-0.41	0,41	2,2	25	3	1
	A3143-0.42	0,42	2,2	25	3	1
	A3143-0.43	0,43	2,2	25	3	1
	A3143-0.44	0,44	2,2	25	3	1
	A3143-0.45	0,45	2,2	25	3	1
	A3143-0.46	0,46	2,2	25	3	1
	A3143-0.47	0,47	2,2	25	3	1
	A3143-0.48	0,48	2,2	25	3	1
	A3143-0.49	0,49	2,6	25	3,4	1
	A3143-0.5	0,5	2,6	25	3,4	1
	A3143-0.51	0,51	2,6	25	3,4	1
	A3143-0.52	0,52	2,6	25	3,4	1
	A3143-0.53	0,53	2,6	25	3,4	1
	A3143-0.54	0,54	3	25	3,9	1
	A3143-0.55	0,55	3	25	3,9	1
	A3143-0.56	0,56	3	25	3,9	1
	A3143-0.57	0,57	3	25	3,9	1
	A3143-0.58	0,58	3	25	3,9	1
	A3143-0.59	0,59	3	25	3,9	1
	A3143-0.6	0,6	3	25	3,9	1
	A3143-0.61	0,61	3,1	25	4,2	1
	A3143-0.62	0,62	3,1	25	4,2	1
	A3143-0.63	0,63	3,1	25	4,2	1
	A3143-0.64	0,64	3,1	25	4,2	1
	A3143-0.65	0,65	3,1	25	4,2	1
	A3143-0.66	0,66	3,1	25	4,2	1
	A3143-0.67	0,67	3,1	25	4,2	1
	A3143-0.68	0,68	3,6	25	4,8	1
	A3143-0.69	0,69	3,6	25	4,8	1
	A3143-0.7	0,7	3,6	25	4,8	1
	A3143-0.71	0,71	3,6	25	4,8	1
	A3143-0.72	0,72	3,6	25	4,8	1
	A3143-0.73	0,73	3,6	25	4,8	1
	A3143-0.74	0,74	3,6	25	4,8	1
	A3143-0.75	0,75	3,6	25	4,8	1
	A3143-0.76	0,76	4,1	25	5,3	1
A3143-0.77	0,77	4,1	25	5,3	1	
A3143-0.78	0,78	4,1	25	5,3	1	
A3143-0.79	0,79	4,1	25	5,3	1	
A3143-0.8	0,8	4	25	5,3	1,5	
A3143-0.81	0,81	4	25	5,3	1,5	
A3143-0.82	0,82	4	25	5,3	1,5	
A3143-0.83	0,83	4	25	5,3	1,5	
A3143-0.84	0,84	4	25	5,3	1,5	
A3143-0.85	0,85	4	25	5,3	1,5	
A3143-0.86	0,86	4,5	25	6	1,5	

Tool		$D_c$ 0-0,004 mm	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ h8 mm
<p>Cylindrical shank</p>	Designation					
	A3143-0.87	0,87	4,5	25	6	1,5
	A3143-0.88	0,88	4,5	25	6	1,5
	A3143-0.89	0,89	4,5	25	6	1,5
	A3143-0.9	0,9	4,5	25	6	1,5
	A3143-0.91	0,91	4,5	25	6	1,5
	A3143-0.92	0,92	4,5	25	6	1,5
	A3143-0.93	0,93	4,5	25	6	1,5
	A3143-0.94	0,94	4,5	25	6	1,5
	A3143-0.95	0,95	4,5	25	6	1,5
	A3143-0.96	0,96	5	25	6,8	1,5
	A3143-0.97	0,97	5	25	6,8	1,5
	A3143-0.98	0,98	5	25	6,8	1,5
	A3143-0.99	0,99	5	25	6,8	1,5
	A3143-1	1	5	25	6,8	1,5
	A3143-1.05	1,05	5	25	6,8	1,5
	A3143-1.1	1,1	5	25	7,6	1,5
	A3143-1.15	1,15	5	25	7,6	1,5
	A3143-1.2	1,2	6	25	8,5	1,5
	A3143-1.25	1,25	6	25	8,5	1,5
A3143-1.3	1,3	6	25	8,5	1,5	
A3143-1.35	1,35	7	25	9,5	1,5	
A3143-1.4	1,4	7	25	9,5	1,5	
A3143-1.45	1,45	7	25	9,5	1,5	

B1

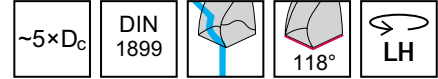
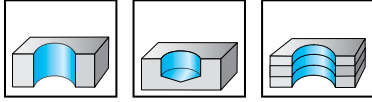
**WALTER SELECT**

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

**HSS-E micro drills**  
**A3153**

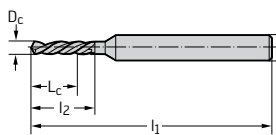


- Type ESU



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

B1

Tool	Designation	D <sub>c</sub> 0-0,004 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h8 mm
	A3153-0.15	0,15	0,5	25	0,8	1
	A3153-0.17	0,17	0,8	25	1,1	1
	A3153-0.18	0,18	0,8	25	1,1	1
	A3153-0.19	0,19	0,8	25	1,1	1
	A3153-0.2	0,2	1,1	25	1,5	1
	A3153-0.21	0,21	1,1	25	1,5	1
	A3153-0.23	0,23	1,1	25	1,5	1
	A3153-0.24	0,24	1,1	25	1,5	1
	A3153-0.25	0,25	1,4	25	1,9	1
	A3153-0.26	0,26	1,4	25	1,9	1
	A3153-0.27	0,27	1,4	25	1,9	1
	A3153-0.28	0,28	1,4	25	1,9	1
	A3153-0.3	0,3	1,4	25	1,9	1
	A3153-0.31	0,31	1,8	25	2,4	1
	A3153-0.32	0,32	1,8	25	2,4	1
	A3153-0.33	0,33	1,8	25	2,4	1
	A3153-0.34	0,34	1,8	25	2,4	1
	A3153-0.35	0,35	1,8	25	2,4	1
	A3153-0.37	0,37	1,8	25	2,4	1
	A3153-0.38	0,38	1,8	25	2,4	1
	A3153-0.4	0,4	2,2	25	3	1
	A3153-0.41	0,41	2,2	25	3	1
	A3153-0.43	0,43	2,2	25	3	1
	A3153-0.45	0,45	2,2	25	3	1
	A3153-0.47	0,47	2,2	25	3	1
	A3153-0.48	0,48	2,2	25	3	1
	A3153-0.49	0,49	2,6	25	3,4	1
	A3153-0.5	0,5	2,6	25	3,4	1
	A3153-0.52	0,52	2,6	25	3,4	1
	A3153-0.53	0,53	2,6	25	3,4	1
	A3153-0.54	0,54	3	25	3,9	1
	A3153-0.55	0,55	3	25	3,9	1
	A3153-0.56	0,56	3	25	3,9	1
	A3153-0.57	0,57	3	25	3,9	1
	A3153-0.58	0,58	3	25	3,9	1
	A3153-0.59	0,59	3	25	3,9	1

**WALTER**  
**SELECT**

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

Tool	Designation	$D_c$	$L_c$	$l_1$	$l_2$	$d_1$
		0-0,004 mm	mm	mm	mm	h8 mm
<p>Cylindrical shank</p>	A3153-0.6	0,6	3	25	3,9	1
	A3153-0.61	0,61	3,1	25	4,2	1
	A3153-0.62	0,62	3,1	25	4,2	1
	A3153-0.63	0,63	3,1	25	4,2	1
	A3153-0.65	0,65	3,1	25	4,2	1
	A3153-0.67	0,67	3,1	25	4,2	1
	A3153-0.68	0,68	3,6	25	4,8	1
	A3153-0.7	0,7	3,6	25	4,8	1
	A3153-0.72	0,72	3,6	25	4,8	1
	A3153-0.73	0,73	3,6	25	4,8	1
	A3153-0.74	0,74	3,6	25	4,8	1
	A3153-0.75	0,75	3,6	25	4,8	1
	A3153-0.76	0,76	4,1	25	5,3	1
	A3153-0.77	0,77	4,1	25	5,3	1
	A3153-0.78	0,78	4,1	25	5,3	1
	A3153-0.8	0,8	4	25	5,3	1,5
	A3153-0.82	0,82	4	25	5,3	1,5
	A3153-0.83	0,83	4	25	5,3	1,5
	A3153-0.84	0,84	4	25	5,3	1,5
	A3153-0.85	0,85	4	25	5,3	1,5
	A3153-0.87	0,87	4,5	25	6	1,5
	A3153-0.89	0,89	4,5	25	6	1,5
	A3153-0.9	0,9	4,5	25	6	1,5
	A3153-0.91	0,91	4,5	25	6	1,5
	A3153-0.92	0,92	4,5	25	6	1,5
	A3153-0.93	0,93	4,5	25	6	1,5
	A3153-0.94	0,94	4,5	25	6	1,5
	A3153-0.95	0,95	4,5	25	6	1,5
	A3153-0.96	0,96	5	25	6,8	1,5
	A3153-0.97	0,97	5	25	6,8	1,5
	A3153-0.98	0,98	5	25	6,8	1,5
	A3153-1	1	5	25	6,8	1,5
	A3153-1.05	1,05	5	25	6,8	1,5
	A3153-1.1	1,1	5	25	7,6	1,5
A3153-1.15	1,15	5	25	7,6	1,5	
A3153-1.2	1,2	6	25	8,5	1,5	
A3153-1.3	1,3	6	25	8,5	1,5	
A3153-1.4	1,4	7	25	9,5	1,5	

B1

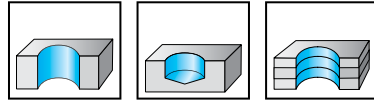
**WALTER SELECT**

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

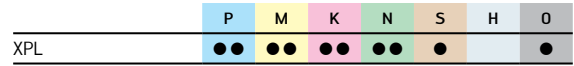
# HSS-E deep-hole drills

## A1249XPL

### UFL®



B1



Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1249XPL-1	1		10	34	12	1
	A1249XPL-N060	1,016	No. 60	10	34	12	1,016
	A1249XPL-N059	1,041	No. 59	10	34	12	1,041
	A1249XPL-N058	1,067	No. 58	12	36	14	1,067
	A1249XPL-N057	1,092	No. 57	12	36	14	1,092
	A1249XPL-1.1	1,1		12	36	14	1,1
	A1249XPL-N056	1,181	No. 56	14	38	16	1,181
	A1249XPL-3/64IN	1,191	3/64"	14	38	16	1,191
	A1249XPL-1.2	1,2		14	38	16	1,2
	A1249XPL-1.3	1,3		14	38	16	1,3
	A1249XPL-N055	1,321	No. 55	15	40	18	1,321
	A1249XPL-N054	1,397	No. 54	15	40	18	1,397
	A1249XPL-1.4	1,4		15	40	18	1,4
	A1249XPL-1.5	1,5		15	40	18	1,5
	A1249XPL-N053	1,511	No. 53	17	43	20	1,511
	A1249XPL-1/16IN	1,588	1/16"	17	43	20	1,588
	A1249XPL-1.6	1,6		17	43	20	1,6
	A1249XPL-N052	1,613	No. 52	17	43	20	1,613
	A1249XPL-1.7	1,7		17	43	20	1,7
	A1249XPL-N051	1,702	No. 51	19	46	22	1,702
	A1249XPL-N050	1,778	No. 50	19	46	22	1,778
	A1249XPL-1.8	1,8		19	46	22	1,8
	A1249XPL-N049	1,854	No. 49	19	46	22	1,854
	A1249XPL-1.9	1,9		19	46	22	1,9
	A1249XPL-N048	1,930	No. 48	20	49	24	1,930
	A1249XPL-5/64IN	1,984	5/64"	20	49	24	1,984
	A1249XPL-N047	1,994	No. 47	20	49	24	1,994
	A1249XPL-2	2		20	49	24	2
	A1249XPL-N046	2,057	No. 46	20	49	24	2,057
	A1249XPL-N045	2,083	No. 45	20	49	24	2,083
A1249XPL-2.1	2,1		20	49	24	2,1	
A1249XPL-N044	2,184	No. 44	23	53	27	2,184	
A1249XPL-2.2	2,2		23	53	27	2,2	
A1249XPL-N043	2,261	No. 43	23	53	27	2,261	
A1249XPL-2.3	2,3		23	53	27	2,3	
A1249XPL-N042	2,375	No. 42	26	57	30	2,375	

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1249XPL-3/32IN	2,381	3/32"	26	57	30	2,381
	A1249XPL-2.4	2,4		26	57	30	2,4
	A1249XPL-NO41	2,438	No. 41	26	57	30	2,438
	A1249XPL-NO40	2,489	No. 40	26	57	30	2,489
	A1249XPL-2.5	2,5		26	57	30	2,5
	A1249XPL-NO39	2,527	No. 39	26	57	30	2,527
	A1249XPL-NO38	2,578	No. 38	26	57	30	2,578
	A1249XPL-2.6	2,6		26	57	30	2,6
	A1249XPL-NO37	2,642	No. 37	26	57	30	2,642
	A1249XPL-2.7	2,7		28	61	33	2,7
	A1249XPL-NO36	2,705	No. 36	28	61	33	2,705
	A1249XPL-7/64IN	2,778	7/64"	28	61	33	2,778
	A1249XPL-NO35	2,794	No. 35	28	61	33	2,794
	A1249XPL-2.8	2,8		28	61	33	2,8
	A1249XPL-NO34	2,819	No. 34	28	61	33	2,819
	A1249XPL-NO33	2,870	No. 33	28	61	33	2,87
	A1249XPL-2.9	2,9		28	61	33	2,9
	A1249XPL-NO32	2,946	No. 32	28	61	33	2,946
	A1249XPL-3	3		28	61	33	3
	A1249XPL-NO31	3,048	No. 31	30	65	36	3,048
	A1249XPL-3.1	3,1		30	65	36	3,1
	A1249XPL-1/8IN	3,175	1/8"	30	65	36	3,175
	A1249XPL-3.2	3,2		30	65	36	3,2
	A1249XPL-NO30	3,264	No. 30	30	65	36	3,264
	A1249XPL-3.3	3,3		30	65	36	3,3
	A1249XPL-3.4	3,4		33	70	39	3,4
	A1249XPL-NO29	3,454	No. 29	33	70	39	3,454
	A1249XPL-3.5	3,5		33	70	39	3,5
	A1249XPL-NO28	3,569	No. 28	33	70	39	3,569
	A1249XPL-9/64IN	3,572	9/64"	33	70	39	3,572
	A1249XPL-3.6	3,6		33	70	39	3,6
	A1249XPL-NO27	3,658	No. 27	33	70	39	3,658
	A1249XPL-3.7	3,7		33	70	39	3,7
	A1249XPL-NO26	3,734	No. 26	33	70	39	3,734
A1249XPL-NO25	3,797	No. 25	36	75	43	3,797	
A1249XPL-3.8	3,8		36	75	43	3,8	
A1249XPL-NO24	3,861	No. 24	36	75	43	3,861	
A1249XPL-3.9	3,9		36	75	43	3,9	
A1249XPL-NO23	3,912	No. 23	36	75	43	3,912	
A1249XPL-5/32IN	3,969	5/32"	36	75	43	3,969	
A1249XPL-NO22	3,988	No. 22	36	75	43	3,988	
A1249XPL-4	4		36	75	43	4	
A1249XPL-NO21	4,039	No. 21	36	75	43	4,039	
A1249XPL-NO20	4,089	No. 20	36	75	43	4,089	
A1249XPL-4.1	4,1		36	75	43	4,1	
A1249XPL-4.2	4,2		36	75	43	4,2	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1249XPL-NO19	4,216	No. 19	36	75	43	4,216
	A1249XPL-4.3	4,3		39	80	47	4,3
	A1249XPL-NO18	4,305	No. 18	39	80	47	4,305
	A1249XPL-11/64IN	4,366	11/64"	39	80	47	4,366
	A1249XPL-NO17	4,394	No. 17	39	80	47	4,394
	A1249XPL-4.4	4,4		39	80	47	4,4
	A1249XPL-NO16	4,496	No. 16	39	80	47	4,496
	A1249XPL-4.5	4,5		39	80	47	4,5
	A1249XPL-NO15	4,572	No. 15	39	80	47	4,572
	A1249XPL-4.6	4,6		39	80	47	4,6
	A1249XPL-NO14	4,623	No. 14	39	80	47	4,623
	A1249XPL-4.65	4,65		39	80	47	4,65
	A1249XPL-NO13	4,699	No. 13	39	80	47	4,699
	A1249XPL-4.7	4,7		39	80	47	4,7
	A1249XPL-3/16IN	4,763	3/16"	44	86	52	4,763
	A1249XPL-4.8	4,8		44	86	52	4,8
	A1249XPL-NO12	4,801	No. 12	44	86	52	4,801
	A1249XPL-NO11	4,851	No. 11	44	86	52	4,851
	A1249XPL-4.9	4,9		44	86	52	4,9
	A1249XPL-NO10	4,915	No. 10	44	86	52	4,915
	A1249XPL-NO9	4,978	No. 09	44	86	52	4,978
	A1249XPL-5	5		44	86	52	5
	A1249XPL-NO8	5,055	No. 08	44	86	52	5,055
	A1249XPL-5.1	5,1		44	86	52	5,1
	A1249XPL-NO7	5,105	No. 07	44	86	52	5,105
	A1249XPL-13/64IN	5,159	13/64"	44	86	52	5,159
	A1249XPL-NO6	5,182	No. 06	44	86	52	5,182
	A1249XPL-5.2	5,2		44	86	52	5,2
	A1249XPL-NO5	5,220	No. 05	44	86	52	5,22
	A1249XPL-5.3	5,3		44	86	52	5,3
	A1249XPL-NO4	5,309	No. 04	48	93	57	5,309
	A1249XPL-5.4	5,4		48	93	57	5,4
	A1249XPL-NO3	5,410	No. 03	48	93	57	5,41
A1249XPL-5.5	5,5		48	93	57	5,5	
A1249XPL-5.55	5,55		48	93	57	5,55	
A1249XPL-7/32IN	5,556	7/32"	48	93	57	5,556	
A1249XPL-5.6	5,6		48	93	57	5,6	
A1249XPL-NO2	5,613	No. 02	48	93	57	5,613	
A1249XPL-5.7	5,7		48	93	57	5,7	
A1249XPL-NO1	5,791	No. 01	48	93	57	5,791	
A1249XPL-5.8	5,8		48	93	57	5,8	
A1249XPL-5.9	5,9		48	93	57	5,9	
A1249XPL-15/64IN	5,953	15/64"	48	93	57	5,953	
A1249XPL-6	6		48	93	57	6	
A1249XPL-6.1	6,1		52	101	63	6,1	
A1249XPL-6.2	6,2		52	101	63	6,2	



Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1249XPL-6.3	6,3		52	101	63	6,3
	A1249XPL-1/4IN	6,350	1/4"	52	101	63	6,35
	A1249XPL-6.4	6,4		52	101	63	6,4
	A1249XPL-6.5	6,5		52	101	63	6,5
	A1249XPL-6.6	6,6		52	101	63	6,6
	A1249XPL-6.7	6,7		52	101	63	6,7
	A1249XPL-17/64IN	6,747	17/64"	57	109	69	6,747
	A1249XPL-6.8	6,8		57	109	69	6,8
	A1249XPL-6.9	6,9		57	109	69	6,9
	A1249XPL-7	7		57	109	69	7
	A1249XPL-7.1	7,1		57	109	69	7,1
	A1249XPL-9/32IN	7,144	9/32"	57	109	69	7,144
	A1249XPL-7.2	7,2		57	109	69	7,2
	A1249XPL-7.3	7,3		57	109	69	7,3
	A1249XPL-7.4	7,4		57	109	69	7,4
	A1249XPL-7.5	7,5		57	109	69	7,5
	A1249XPL-19/64IN	7,541	19/64"	62	117	75	7,541
	A1249XPL-7.6	7,6		62	117	75	7,6
	A1249XPL-7.7	7,7		62	117	75	7,7
	A1249XPL-7.8	7,8		62	117	75	7,8
	A1249XPL-7.9	7,9		62	117	75	7,9
	A1249XPL-5/16IN	7,938	5/16"	62	117	75	7,938
	A1249XPL-8	8		62	117	75	8
	A1249XPL-8.1	8,1		62	117	75	8,1
	A1249XPL-8.2	8,2		62	117	75	8,2
	A1249XPL-8.3	8,3		62	117	75	8,3
	A1249XPL-21/64IN	8,334	21/64"	62	117	75	8,334
	A1249XPL-8.4	8,4		62	117	75	8,4
	A1249XPL-8.5	8,5		62	117	75	8,5
	A1249XPL-8.6	8,6		66	125	81	8,6
A1249XPL-8.7	8,7		66	125	81	8,7	
A1249XPL-11/32IN	8,731	11/32"	66	125	81	8,731	
A1249XPL-8.8	8,8		66	125	81	8,8	
A1249XPL-8.9	8,9		66	125	81	8,9	
A1249XPL-9	9		66	125	81	9	
A1249XPL-9.1	9,1		66	125	81	9,1	
A1249XPL-23/64IN	9,128	23/64"	66	125	81	9,128	
A1249XPL-9.2	9,2		66	125	81	9,2	
A1249XPL-9.3	9,3		66	125	81	9,3	
A1249XPL-9.4	9,4		66	125	81	9,4	
A1249XPL-9.5	9,5		66	125	81	9,5	
A1249XPL-3/8IN	9,525	3/8"	71	133	87	9,525	
A1249XPL-9.6	9,6		71	133	87	9,6	
A1249XPL-9.7	9,7		71	133	87	9,7	
A1249XPL-9.8	9,8		71	133	87	9,8	
A1249XPL-9.9	9,9		71	133	87	9,9	

B1

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

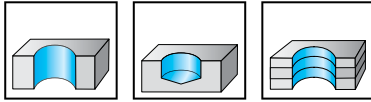
Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1249XPL-25/64IN	9,922	25/64"	71	133	87	9,922
	A1249XPL-10	10		71	133	87	10
	A1249XPL-10.2	10,2		71	133	87	10,2
	A1249XPL-13/32IN	10,319	13/32"	71	133	87	10,319
	A1249XPL-10.5	10,5		71	133	87	10,5
	A1249XPL-27/64IN	10,716	27/64"	76	142	94	10,716
	A1249XPL-11	11		76	142	94	11
	A1249XPL-7/16IN	11,113	7/16"	76	142	94	11,113
	A1249XPL-11.2	11,2		76	142	94	11,2
	A1249XPL-11.3	11,3		76	142	94	11,3
	A1249XPL-11.5	11,5		76	142	94	11,5
	A1249XPL-29/64IN	11,509	29/64"	76	142	94	11,509
	A1249XPL-15/32IN	11,906	15/32"	87	151	101	11,906
	A1249XPL-12	12		87	151	101	12
	A1249XPL-31/64IN	12,303	31/64"	87	151	101	12,303
	A1249XPL-12.5	12,5		87	151	101	12,5
	A1249XPL-1/2IN	12,700	1/2"	87	151	101	12,7
	A1249XPL-13	13		87	151	101	13
	A1249XPL-13.1	13,1		87	151	101	13,1
	A1249XPL-13.3	13,3		94	160	108	13,3
A1249XPL-13.5	13,5		94	160	108	13,5	
A1249XPL-14	14		94	160	108	14	
A1249XPL-14.5	14,5		99	169	114	14,5	
A1249XPL-15	15		99	169	114	15	
A1249XPL-15.1	15,1		104	178	120	15,1	
A1249XPL-15.3	15,3		104	178	120	15,3	
A1249XPL-15.5	15,5		104	178	120	15,5	
A1249XPL-16	16		104	178	120	16	
A1249XPL-16.5	16,5		108	184	125	16,5	
A1249XPL-17	17		108	184	125	17	
A1249XPL-17.5	17,5		112	191	130	17,5	
A1249XPL-18	18		112	191	130	18	
A1249XPL-18.5	18,5		116	198	135	18,5	
A1249XPL-19	19		116	198	135	19	
A1249XPL-19.5	19,5		120	205	140	19,5	
A1249XPL-20	20		120	205	140	20	

B1

# HSS-E deep-hole drills

## A1254TFT

### VA Inox



	P	M	K	N	S	H	O
TFT	●	●●	●●●	●●	●	●	●

B1

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1254TFT-3	3	28	61	33	3
	A1254TFT-3.2	3,2	30	65	36	3,2
	A1254TFT-3.3	3,3	30	65	36	3,3
	A1254TFT-3.4	3,4	33	70	39	3,4
	A1254TFT-3.5	3,5	33	70	39	3,5
	A1254TFT-3.7	3,7	33	70	39	3,7
	A1254TFT-3.8	3,8	36	75	43	3,8
	A1254TFT-4	4	36	75	43	4
	A1254TFT-4.2	4,2	36	75	43	4,2
	A1254TFT-4.3	4,3	39	80	47	4,3
	A1254TFT-4.5	4,5	39	80	47	4,5
	A1254TFT-4.65	4,65	39	80	47	4,65
	A1254TFT-4.7	4,7	39	80	47	4,7
	A1254TFT-4.8	4,8	44	86	52	4,8
	A1254TFT-5	5	44	86	52	5
	A1254TFT-5.1	5,1	44	86	52	5,1
	A1254TFT-5.3	5,3	44	86	52	5,3
	A1254TFT-5.5	5,5	48	93	57	5,5
	A1254TFT-5.55	5,55	48	93	57	5,55
	A1254TFT-5.6	5,6	48	93	57	5,6
	A1254TFT-5.8	5,8	48	93	57	5,8
	A1254TFT-6	6	48	93	57	6
	A1254TFT-6.5	6,5	52	101	63	6,5
	A1254TFT-6.6	6,6	52	101	63	6,6
	A1254TFT-6.8	6,8	57	109	69	6,8
	A1254TFT-6.9	6,9	57	109	69	6,9
	A1254TFT-7	7	57	109	69	7
	A1254TFT-7.4	7,4	57	109	69	7,4
	A1254TFT-7.5	7,5	57	109	69	7,5
	A1254TFT-7.8	7,8	62	117	75	7,8
	A1254TFT-8	8	62	117	75	8
	A1254TFT-8.5	8,5	62	117	75	8,5
	A1254TFT-8.6	8,6	66	125	81	8,6
A1254TFT-8.8	8,8	66	125	81	8,8	
A1254TFT-9	9	66	125	81	9	
A1254TFT-9.3	9,3	66	125	81	9,3	

**WALTER SELECT**

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

Tool		$D_c$ h8 mm	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ f11 mm
<p>Cylindrical shank</p>	Designation					
	A1254TFT-9.4	9,4	66	125	81	9,4
	A1254TFT-9.5	9,5	66	125	81	9,5
	A1254TFT-9.8	9,8	71	133	87	9,8
	A1254TFT-10	10	71	133	87	10
	A1254TFT-10.2	10,2	71	133	87	10,2
	A1254TFT-10.3	10,3	71	133	87	10,3
	A1254TFT-10.5	10,5	71	133	87	10,5
	A1254TFT-11	11	76	142	94	11
	A1254TFT-11.2	11,2	76	142	94	11,2
	A1254TFT-11.3	11,3	76	142	94	11,3
	A1254TFT-11.5	11,5	76	142	94	11,5
	A1254TFT-11.8	11,8	76	142	94	11,8
	A1254TFT-12	12	87	151	101	12
	A1254TFT-12.1	12,1	87	151	101	12,1
	A1254TFT-12.5	12,5	87	151	101	12,5
A1254TFT-13	13	87	151	101	13	
A1254TFT-13.2	13,2	87	151	101	13,2	
A1254TFT-13.5	13,5	94	160	108	13,5	
A1254TFT-14	14	94	160	108	14	
A1254TFT-14.1	14,1	99	169	114	14,1	
A1254TFT-14.2	14,2	99	169	114	14,2	
A1254TFT-14.5	14,5	99	169	114	14,5	
A1254TFT-15	15	99	169	114	15	
A1254TFT-15.1	15,1	104	178	120	15,1	
A1254TFT-15.2	15,2	104	178	120	15,2	
A1254TFT-15.5	15,5	104	178	120	15,5	
A1254TFT-16	16	104	178	120	16	

B1

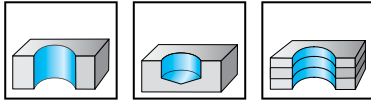
# HSS-E twist drills

## A1247

### Alpha® XE



- Uncoated up to 1.9 mm



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1247-1	1		10	34	12	1
	A1247-N060	1,016	No. 60	10	34	12	1,016
	A1247-N059	1,041	No. 59	10	34	12	1,041
	A1247-N058	1,067	No. 58	12	36	14	1,067
	A1247-N057	1,092	No. 57	12	36	14	1,092
	A1247-1.1	1,1		12	36	14	1,1
	A1247-N056	1,181	No. 56	14	38	16	1,181
	A1247-3/64IN	1,191	3/64"	14	38	16	1,191
	A1247-1.2	1,2		14	38	16	1,2
	A1247-1.25	1,25		14	38	16	1,25
	A1247-1.3	1,3		14	38	16	1,3
	A1247-N055	1,321	No. 55	15	40	18	1,321
	A1247-N054	1,397	No. 54	15	40	18	1,397
	A1247-1.4	1,4		15	40	18	1,4
	A1247-1.5	1,5		15	40	18	1,5
	A1247-N053	1,511	No. 53	17	43	20	1,511
	A1247-1/16IN	1,588	1/16"	17	43	20	1,588
	A1247-1.6	1,6		17	43	20	1,6
	A1247-N052	1,613	No. 52	17	43	20	1,613
	A1247-1.7	1,7		17	43	20	1,7
	A1247-N051	1,702	No. 51	19	46	22	1,702
	A1247-N050	1,778	No. 50	19	46	22	1,778
	A1247-1.8	1,8		19	46	22	1,8
	A1247-N049	1,854	No. 49	19	46	22	1,854
	A1247-1.9	1,9		19	46	22	1,9
	A1247-N048	1,930	No. 48	20	49	24	1,93
	A1247-5/64IN	1,984	5/64"	20	49	24	1,984
	A1247-N047	1,994	No. 47	20	49	24	1,994
	A1247-2	2		20	49	24	2
	A1247-N046	2,057	No. 46	20	49	24	2,057
A1247-N045	2,083	No. 45	20	49	24	2,083	
A1247-2.1	2,1		20	49	24	2,1	
A1247-N044	2,184	No. 44	23	53	27	2,184	
A1247-2.2	2,2		23	53	27	2,2	
A1247-N043	2,261	No. 43	23	53	27	2,261	
A1247-2.3	2,3		23	53	27	2,3	

WALTER  
SELECT

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1247-N042	2,375	No. 42	26	57	30	2,375
	A1247-3/32IN	2,381	3/32"	26	57	30	2,381
	A1247-2.4	2,4		26	57	30	2,4
	A1247-N041	2,438	No. 41	26	57	30	2,438
	A1247-N040	2,489	No. 40	26	57	30	2,489
	A1247-2.5	2,5		26	57	30	2,5
	A1247-N039	2,527	No. 39	26	57	30	2,527
	A1247-N038	2,578	No. 38	26	57	30	2,578
	A1247-2.6	2,6		26	57	30	2,6
	A1247-N037	2,642	No. 37	26	57	30	2,642
	A1247-2.7	2,7		28	61	33	2,7
	A1247-N036	2,705	No. 36	28	61	33	2,705
	A1247-7/64IN	2,778	7/64"	28	61	33	2,778
	A1247-N035	2,794	No. 35	28	61	33	2,794
	A1247-2.8	2,8		28	61	33	2,8
	A1247-N034	2,819	No. 34	28	61	33	2,819
	A1247-N033	2,870	No. 33	28	61	33	2,87
	A1247-2.9	2,9		28	61	33	2,9
	A1247-N032	2,946	No. 32	28	61	33	2,946
	A1247-3	3		28	61	33	3
	A1247-N031	3,048	No. 31	30	65	36	3,048
	A1247-3.1	3,1		30	65	36	3,1
	A1247-1/8IN	3,175	1/8"	30	65	36	3,175
	A1247-3.2	3,2		30	65	36	3,2
	A1247-N030	3,264	No. 30	30	65	36	3,264
	A1247-3.3	3,3		30	65	36	3,3
	A1247-3.4	3,4		33	70	39	3,4
	A1247-N029	3,454	No. 29	33	70	39	3,454
	A1247-3.5	3,5		33	70	39	3,5
	A1247-N028	3,569	No. 28	33	70	39	3,569
	A1247-9/64IN	3,572	9/64"	33	70	39	3,572
	A1247-3.6	3,6		33	70	39	3,6
	A1247-N027	3,658	No. 27	33	70	39	3,658
A1247-3.7	3,7		33	70	39	3,7	
A1247-N026	3,734	No. 26	33	70	39	3,734	
A1247-N025	3,797	No. 25	36	75	43	3,797	
A1247-3.8	3,8		36	75	43	3,8	
A1247-N024	3,861	No. 24	36	75	43	3,861	
A1247-3.9	3,9		36	75	43	3,9	
A1247-N023	3,912	No. 23	36	75	43	3,912	
A1247-5/32IN	3,969	5/32"	36	75	43	3,969	
A1247-N022	3,988	No. 22	36	75	43	3,988	
A1247-4	4		36	75	43	4	
A1247-N021	4,039	No. 21	36	75	43	4,039	
A1247-N020	4,089	No. 20	36	75	43	4,089	
A1247-4.1	4,1		36	75	43	4,1	

Tool		D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1247-4.2	4,2		36	75	43	4,2
	A1247-N019	4,216	No. 19	36	75	43	4,216
	A1247-4.3	4,3		39	80	47	4,3
	A1247-N018	4,305	No. 18	39	80	47	4,305
	A1247-11/64IN	4,366	11/64"	39	80	47	4,366
	A1247-N017	4,394	No. 17	39	80	47	4,394
	A1247-4.4	4,4		39	80	47	4,4
	A1247-N016	4,496	No. 16	39	80	47	4,496
	A1247-4.5	4,5		39	80	47	4,5
	A1247-N015	4,572	No. 15	39	80	47	4,572
	A1247-4.6	4,6		39	80	47	4,6
	A1247-N014	4,623	No. 14	39	80	47	4,623
	A1247-N013	4,699	No. 13	39	80	47	4,699
	A1247-4.7	4,7		39	80	47	4,7
	A1247-3/16IN	4,763	3/16"	44	86	52	4,763
	A1247-4.8	4,8		44	86	52	4,8
	A1247-N012	4,801	No. 12	44	86	52	4,801
	A1247-N011	4,851	No. 11	44	86	52	4,851
	A1247-4.9	4,9		44	86	52	4,9
	A1247-N010	4,915	No. 10	44	86	52	4,915
	A1247-N09	4,978	No. 09	44	86	52	4,978
	A1247-5	5		44	86	52	5
	A1247-N08	5,055	No. 08	44	86	52	5,055
	A1247-5.1	5,1		44	86	52	5,1
	A1247-N07	5,105	No. 07	44	86	52	5,105
	A1247-13/64IN	5,159	13/64"	44	86	52	5,159
	A1247-N06	5,182	No. 06	44	86	52	5,182
	A1247-5.2	5,2		44	86	52	5,2
	A1247-N05	5,220	No. 05	44	86	52	5,22
	A1247-5.3	5,3		44	86	52	5,3
	A1247-N04	5,309	No. 04	48	93	57	5,309
	A1247-5.4	5,4		48	93	57	5,4
	A1247-N03	5,410	No. 03	48	93	57	5,41
A1247-5.5	5,5		48	93	57	5,5	
A1247-7/32IN	5,556	7/32"	48	93	57	5,556	
A1247-5.6	5,6		48	93	57	5,6	
A1247-N02	5,613	No. 02	48	93	57	5,613	
A1247-5.7	5,7		48	93	57	5,7	
A1247-N01	5,791	No. 01	48	93	57	5,791	
A1247-5.8	5,8		48	93	57	5,8	
A1247-5.9	5,9		48	93	57	5,9	
A1247-15/64IN	5,953	15/64"	48	93	57	5,953	
A1247-6	6		48	93	57	6	
A1247-6.1	6,1		52	101	63	6,1	
A1247-6.2	6,2		52	101	63	6,2	
A1247-6.3	6,3		52	101	63	6,3	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1247-1/4IN	6,350	1/4"	52	101	63	6,35
	A1247-6.4	6,4		52	101	63	6,4
	A1247-6.5	6,5		52	101	63	6,5
	A1247-6.6	6,6		52	101	63	6,6
	A1247-6.7	6,7		52	101	63	6,7
	A1247-17/64IN	6,747	17/64"	57	109	69	6,747
	A1247-6.8	6,8		57	109	69	6,8
	A1247-6.9	6,9		57	109	69	6,9
	A1247-7	7		57	109	69	7
	A1247-7.1	7,1		57	109	69	7,1
	A1247-9/32IN	7,144	9/32"	57	109	69	7,144
	A1247-7.2	7,2		57	109	69	7,2
	A1247-7.3	7,3		57	109	69	7,3
	A1247-7.4	7,4		57	109	69	7,4
	A1247-7.5	7,5		57	109	69	7,5
	A1247-19/64IN	7,541	19/64"	62	117	75	7,541
	A1247-7.6	7,6		62	117	75	7,6
	A1247-7.7	7,7		62	117	75	7,7
	A1247-7.8	7,8		62	117	75	7,8
	A1247-7.9	7,9		62	117	75	7,9
	A1247-5/16IN	7,938	5/16"	62	117	75	7,938
	A1247-8	8		62	117	75	8
	A1247-8.1	8,1		62	117	75	8,1
	A1247-8.2	8,2		62	117	75	8,2
	A1247-8.3	8,3		62	117	75	8,3
	A1247-21/64IN	8,334	21/64"	62	117	75	8,334
	A1247-8.4	8,4		62	117	75	8,4
	A1247-8.5	8,5		62	117	75	8,5
A1247-8.6	8,6		66	125	81	8,6	
A1247-8.7	8,7		66	125	81	8,7	
A1247-11/32IN	8,731	11/32"	66	125	81	8,731	
A1247-8.8	8,8		66	125	81	8,8	
A1247-8.9	8,9		66	125	81	8,9	
A1247-9	9		66	125	81	9	
A1247-9.1	9,1		66	125	81	9,1	
A1247-23/64IN	9,128	23/64"	66	125	81	9,128	
A1247-9.2	9,2		66	125	81	9,2	
A1247-9.3	9,3		66	125	81	9,3	
A1247-9.4	9,4		66	125	81	9,4	
A1247-9.5	9,5		66	125	81	9,5	
A1247-3/8IN	9,525	3/8"	71	133	87	9,525	
A1247-9.6	9,6		71	133	87	9,6	
A1247-9.7	9,7		71	133	87	9,7	
A1247-9.8	9,8		71	133	87	9,8	
A1247-9.9	9,9		71	133	87	9,9	
A1247-25/64IN	9,922	25/64"	71	133	87	9,922	



Tool		D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1247-10	10		71	133	87	10
	A1247-10.2	10,2		71	133	87	10,2
	A1247-13/32IN	10,319	13/32"	71	133	87	10,319
	A1247-10.5	10,5		71	133	87	10,5
	A1247-27/64IN	10,716	27/64"	76	142	94	10,716
	A1247-10.8	10,8		76	142	94	10,8
	A1247-11	11		76	142	94	11
	A1247-7/16IN	11,113	7/16"	76	142	94	11,113
	A1247-11.2	11,2		76	142	94	11,2
	A1247-11.5	11,5		76	142	94	11,5
	A1247-29/64IN	11,509	29/64"	76	142	94	11,509
	A1247-11.8	11,8		76	142	94	11,8
	A1247-15/32IN	11,906	15/32"	87	151	101	11,906
	A1247-12	12		87	151	101	12
	A1247-31/64IN	12,303	31/64"	87	151	101	12,303
	A1247-12.5	12,5		87	151	101	12,5
	A1247-1/2IN	12,700	1/2"	87	151	101	12,7
	A1247-13	13		87	151	101	13
	A1247-13.1	13,1		87	151	101	13,1
	A1247-13.3	13,3		94	160	108	13,3
A1247-13.5	13,5		94	160	108	13,5	
A1247-14	14		94	160	108	14	
A1247-14.5	14,5		99	169	114	14,5	
A1247-15	15		99	169	114	15	
A1247-15.1	15,1		104	178	120	15,1	
A1247-15.3	15,3		104	178	120	15,3	
A1247-15.5	15,5		104	178	120	15,5	
A1247-16	16		104	178	120	16	

B1

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

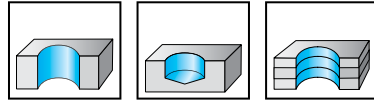
# HSS-E twist drills

## A1244

### VA



– Available as a set



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1244-0.3	0,3		2,5	19	3	0,3
	A1244-N080	0,343		3,4	19	4	0,343
	A1244-0.35	0,35		3,4	19	4	0,35
	A1244-1/64IN	0,397		4,2	20	5	0,397
	A1244-0.4	0,4		4,2	20	5	0,4
	A1244-N078	0,406		4,2	20	5	0,406
	A1244-0.45	0,45		4,2	20	5	0,45
	A1244-N077	0,457		4,2	20	5	0,457
	A1244-0.5	0,5		5,2	22	6	0,5
	A1244-N076	0,508	No.76	5,2	22	6	0,508
	A1244-N075	0,533		6,1	24	7	0,533
	A1244-0.55	0,55		6,1	24	7	0,55
	A1244-N074	0,572		6,1	24	7	0,572
	A1244-0.6	0,6		6,1	24	7	0,6
	A1244-N073	0,610		6,9	26	8	0,61
	A1244-N072	0,635	No.72	6,9	26	8	0,635
	A1244-0.65	0,65		6,9	26	8	0,65
	A1244-N071	0,660		6,9	26	8	0,66
	A1244-0.7	0,7		7,8	28	9	0,7
	A1244-N070	0,711		7,8	28	9	0,711
	A1244-N069	0,742		7,8	28	9	0,742
	A1244-0.75	0,75		7,8	28	9	0,75
	A1244-N068	0,787		8,7	30	10	0,787
	A1244-1/32IN	0,794	1/32"	8,7	30	10	0,794
	A1244-0.8	0,8		8,7	30	10	0,8
	A1244-N067	0,813		8,7	30	10	0,813
	A1244-N066	0,838		8,7	30	10	0,838
	A1244-0.85	0,85		8,7	30	10	0,85
	A1244-N065	0,889	No.65	9,5	32	11	0,889
	A1244-0.9	0,9		9,5	32	11	0,9
	A1244-N064	0,914		9,5	32	11	0,914
	A1244-N063	0,940		9,5	32	11	0,94
	A1244-0.95	0,95		9,5	32	11	0,95
A1244-N062	0,965		10	34	12	0,965	
A1244-N061	0,991		10	34	12	0,991	
A1244-1	1		10	34	12	1	

**WALTER  
SELECT**

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$d_1$
		h8 mm		mm	mm	mm	f11 mm
<p>Cylindrical shank</p>	A1244-N060	1,016	No. 60	10	34	12	1,016
	A1244-N059	1,041	No. 59	10	34	12	1,041
	A1244-1.05	1,05		10	34	12	1,05
	A1244-N058	1,067	No. 58	12	36	14	1,067
	A1244-N057	1,092	No. 57	12	36	14	1,092
	A1244-1.1	1,1		12	36	14	1,1
	A1244-1.15	1,15		12	36	14	1,15
	A1244-N056	1,181	No. 56	14	38	16	1,181
	A1244-3/64IN	1,191	3/64"	14	38	16	1,191
	A1244-1.2	1,2		14	38	16	1,2
	A1244-1.25	1,25		14	38	16	1,25
	A1244-1.3	1,3		14	38	16	1,3
	A1244-N055	1,321	No. 55	15	40	18	1,321
	A1244-1.35	1,35		15	40	18	1,35
	A1244-N054	1,397	No. 54	15	40	18	1,397
	A1244-1.4	1,4		15	40	18	1,4
	A1244-1.45	1,45		15	40	18	1,45
	A1244-1.5	1,5		15	40	18	1,5
	A1244-N053	1,511	No. 53	17	43	20	1,511
	A1244-1.55	1,55		17	43	20	1,55
	A1244-1/16IN	1,588	1/16"	17	43	20	1,588
	A1244-1.6	1,6		17	43	20	1,6
	A1244-N052	1,613	No. 52	17	43	20	1,613
	A1244-1.65	1,65		17	43	20	1,65
	A1244-1.7	1,7		17	43	20	1,7
	A1244-N051	1,702	No. 51	19	46	22	1,702
	A1244-1.75	1,75		19	46	22	1,75
	A1244-N050	1,778	No. 50	19	46	22	1,778
	A1244-1.8	1,8		19	46	22	1,8
	A1244-1.85	1,85		19	46	22	1,85
	A1244-N049	1,854	No. 49	19	46	22	1,854
	A1244-1.9	1,9		19	46	22	1,9
	A1244-N048	1,930	No. 48	20	49	24	1,93
A1244-1.95	1,95		20	49	24	1,95	
A1244-5/64IN	1,984	5/64"	20	49	24	1,984	
A1244-N047	1,994	No. 47	20	49	24	1,994	
A1244-2	2		20	49	24	2	
A1244-2.05	2,05		20	49	24	2,05	
A1244-N046	2,057	No. 46	20	49	24	2,057	
A1244-N045	2,083	No. 45	20	49	24	2,083	
A1244-2.1	2,1		20	49	24	2,1	
A1244-2.15	2,15		23	53	27	2,15	
A1244-N044	2,184	No. 44	23	53	27	2,184	
A1244-2.2	2,2		23	53	27	2,2	
A1244-2.25	2,25		23	53	27	2,25	
A1244-2.3	2,3		23	53	27	2,3	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1244-2.35	2,35		23	53	27	2,35
	A1244-N042	2,375	No. 42	26	57	30	2,375
	A1244-3/32IN	2,381	3/32"	26	57	30	2,381
	A1244-2.4	2,4		26	57	30	2,4
	A1244-N041	2,438	No. 41	26	57	30	2,438
	A1244-2.45	2,45		26	57	30	2,45
	A1244-N040	2,489	No. 40	26	57	30	2,489
	A1244-2.5	2,5		26	57	30	2,5
	A1244-N039	2,527	No. 39	26	57	30	2,527
	A1244-2.55	2,55		26	57	30	2,55
	A1244-N038	2,578	No. 38	26	57	30	2,578
	A1244-2.6	2,6		26	57	30	2,6
	A1244-N037	2,642	No. 37	26	57	30	2,642
	A1244-2.65	2,65		26	57	30	2,65
	A1244-2.7	2,7		28	61	33	2,7
	A1244-2.75	2,75		28	61	33	2,75
	A1244-7/64IN	2,778	7/64"	28	61	33	2,778
	A1244-2.8	2,8		28	61	33	2,8
	A1244-N034	2,819	No. 34	28	61	33	2,819
	A1244-2.85	2,85		28	61	33	2,85
	A1244-N033	2,870	No. 33	28	61	33	2,87
	A1244-2.9	2,9		28	61	33	2,9
	A1244-N032	2,946	No. 32	28	61	33	2,946
	A1244-2.95	2,95		28	61	33	2,95
	A1244-3	3		28	61	33	3
	A1244-N031	3,048	No. 31	30	65	36	3,048
	A1244-3.1	3,1		30	65	36	3,1
	A1244-1/8IN	3,175	1/8"	30	65	36	3,175
	A1244-3.2	3,2		30	65	36	3,2
	A1244-N030	3,264	No. 30	30	65	36	3,264
A1244-3.3	3,3		30	65	36	3,3	
A1244-3.4	3,4		33	70	39	3,4	
A1244-N029	3,454	No. 29	33	70	39	3,454	
A1244-3.5	3,5		33	70	39	3,5	
A1244-N028	3,569	No. 28	33	70	39	3,569	
A1244-9/64IN	3,572	9/64"	33	70	39	3,572	
A1244-3.6	3,6		33	70	39	3,6	
A1244-3.65	3,65		33	70	39	3,65	
A1244-N027	3,658	No. 27	33	70	39	3,658	
A1244-3.7	3,7		33	70	39	3,7	
A1244-N026	3,734	No. 26	33	70	39	3,734	
A1244-N025	3,797	No. 25	36	75	43	3,797	
A1244-3.8	3,8		36	75	43	3,8	
A1244-N024	3,861	No. 24	36	75	43	3,861	
A1244-3.9	3,9		36	75	43	3,9	
A1244-N023	3,912	No. 23	36	75	43	3,912	

Tool	Designation	D <sub>c</sub>	D <sub>c</sub> Inch/Nr	L <sub>c</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>1</sub>
		h8		mm	mm	mm	mm
<p>Cylindrical shank</p>	A1244-5/32IN	3,969	5/32"	36	75	43	3,969
	A1244-4	4		36	75	43	4
	A1244-N021	4,039	No. 21	36	75	43	4,039
	A1244-N020	4,089	No. 20	36	75	43	4,089
	A1244-4.1	4,1		36	75	43	4,1
	A1244-4.2	4,2		36	75	43	4,2
	A1244-N019	4,216	No. 19	36	75	43	4,216
	A1244-4.3	4,3		39	80	47	4,3
	A1244-11/64IN	4,366	11/64"	39	80	47	4,366
	A1244-4.4	4,4		39	80	47	4,4
	A1244-4.5	4,5		39	80	47	4,5
	A1244-N015	4,572	No. 15	39	80	47	4,572
	A1244-4.6	4,6		39	80	47	4,6
	A1244-N014	4,623	No. 14	39	80	47	4,623
	A1244-4.7	4,7		39	80	47	4,7
	A1244-3/16IN	4,763	3/16"	44	86	52	4,763
	A1244-4.8	4,8		44	86	52	4,8
	A1244-N012	4,801	No. 12	44	86	52	4,801
	A1244-N011	4,851	No. 11	44	86	52	4,851
	A1244-4.9	4,9		44	86	52	4,9
	A1244-N010	4,915	No. 10	44	86	52	4,915
	A1244-N09	4,978	No. 09	44	86	52	4,978
	A1244-5	5		44	86	52	5
	A1244-N08	5,055	No. 08	44	86	52	5,055
	A1244-5.1	5,1		44	86	52	5,1
	A1244-N07	5,105	No. 07	44	86	52	5,105
	A1244-13/64IN	5,159	13/64"	44	86	52	5,159
	A1244-5.2	5,2		44	86	52	5,2
	A1244-N05	5,220	No. 05	44	86	52	5,22
	A1244-5.3	5,3		44	86	52	5,3
	A1244-5.4	5,4		48	93	57	5,4
	A1244-N03	5,410	No. 03	48	93	57	5,41
	A1244-5.5	5,5		48	93	57	5,5
A1244-7/32IN	5,556	7/32"	48	93	57	5,556	
A1244-5.6	5,6		48	93	57	5,6	
A1244-N02	5,613	No. 02	48	93	57	5,613	
A1244-5.7	5,7		48	93	57	5,7	
A1244-5.8	5,8		48	93	57	5,8	
A1244-5.9	5,9		48	93	57	5,9	
A1244-6	6		48	93	57	6	
A1244-6.1	6,1		52	101	63	6,1	
A1244-6.2	6,2		52	101	63	6,2	
A1244-6.3	6,3		52	101	63	6,3	
A1244-1/4IN	6,350	1/4"	52	101	63	6,35	
A1244-6.4	6,4		52	101	63	6,4	
A1244-6.5	6,5		52	101	63	6,5	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1244-6.6	6,6		52	101	63	6,6
	A1244-6.7	6,7		52	101	63	6,7
	A1244-17/64IN	6,747	17/64"	57	109	69	6,747
	A1244-6.8	6,8		57	109	69	6,8
	A1244-6.9	6,9		57	109	69	6,9
	A1244-7	7		57	109	69	7
	A1244-7.1	7,1		57	109	69	7,1
	A1244-9/32IN	7,144	9/32"	57	109	69	7,144
	A1244-7.2	7,2		57	109	69	7,2
	A1244-7.3	7,3		57	109	69	7,3
	A1244-7.4	7,4		57	109	69	7,4
	A1244-7.5	7,5		57	109	69	7,5
	A1244-19/64IN	7,541	19/64"	62	117	75	7,541
	A1244-7.6	7,6		62	117	75	7,6
	A1244-7.7	7,7		62	117	75	7,7
	A1244-7.8	7,8		62	117	75	7,8
	A1244-7.9	7,9		62	117	75	7,9
	A1244-5/16IN	7,938	5/16"	62	117	75	7,938
	A1244-8	8		62	117	75	8
	A1244-8.1	8,1		62	117	75	8,1
	A1244-8.2	8,2		62	117	75	8,2
	A1244-8.3	8,3		62	117	75	8,3
	A1244-21/64IN	8,334	21/64"	62	117	75	8,334
	A1244-8.4	8,4		62	117	75	8,4
	A1244-8.5	8,5		62	117	75	8,5
	A1244-8.6	8,6		66	125	81	8,6
	A1244-8.7	8,7		66	125	81	8,7
	A1244-11/32IN	8,731	11/32"	66	125	81	8,731
	A1244-8.8	8,8		66	125	81	8,8
	A1244-8.9	8,9		66	125	81	8,9
	A1244-9	9		66	125	81	9
	A1244-9.1	9,1		66	125	81	9,1
	A1244-9.2	9,2		66	125	81	9,2
A1244-9.3	9,3		66	125	81	9,3	
A1244-9.4	9,4		66	125	81	9,4	
A1244-9.5	9,5		66	125	81	9,5	
A1244-3/8IN	9,525	3/8"	71	133	87	9,525	
A1244-9.6	9,6		71	133	87	9,6	
A1244-9.7	9,7		71	133	87	9,7	
A1244-9.8	9,8		71	133	87	9,8	
A1244-9.9	9,9		71	133	87	9,9	
A1244-10	10		71	133	87	10	
A1244-10.2	10,2		71	133	87	10,2	
A1244-13/32IN	10,319	13/32"	71	133	87	10,319	
A1244-10.5	10,5		71	133	87	10,5	
A1244-27/64IN	10,716	27/64"	76	142	94	10,716	

Tool		$D_c$ h8 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ f11 mm
<p>Cylindrical shank</p>	A1244-11	11		76	142	94	11
	A1244-7/16IN	11,113	7/16"	76	142	94	11,113
	A1244-11.2	11,2		76	142	94	11,2
	A1244-11.5	11,5		76	142	94	11,5
	A1244-15/32IN	11,906	15/32"	87	151	101	11,906
	A1244-12	12		87	151	101	12
	A1244-31/64IN	12,303	31/64"	87	151	101	12,303
	A1244-12.5	12,5		87	151	101	12,5
	A1244-1/2IN	12,700	1/2"	87	151	101	12,7
	A1244-13	13		87	151	101	13
	A1244-33/64IN	13,097		87	151	101	13,097
	A1244-17/32IN	13,494	17/32"	94	160	108	13,494
	A1244-13.5	13,5		94	160	108	13,5
	A1244-35/64IN	13,891		94	160	108	13,891
	A1244-14	14		94	160	108	14
A1244-9/16IN	14,288	9/16"	99	169	114	14,288	
A1244-14.5	14,5		99	169	114	14,5	
A1244-15	15		99	169	114	15	

B1

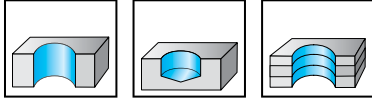
**WALTER SELECT**

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


# HSS-E A1244 twist drill set Z3515



- Type VA



B1

Tool					
	Designation	D <sub>cmin</sub> mm	D <sub>dmax</sub> mm	Pitch mm	Quantity
	Z3515-1-10.5	1	10,5	0,5	24

Bodies and assembly parts are included in the scope of delivery

**WALTER  
SELECT**

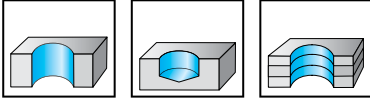
●● Primary application ● Other application  
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions




# HSS-E A1244 twist drill set Z3516



- Type VA



B1

Tool					
	Designation	D <sub>cmin</sub> mm	D <sub>dmax</sub> mm	Pitch mm	Quantity
	Z3516-1-13	1	13	0,5	25

Bodies and assembly parts are included in the scope of delivery

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

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

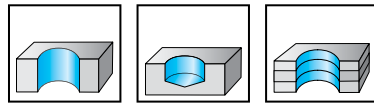
# HSS deep-hole drills

## A1222

### UFL®



- Uncoated up to 1.9 mm
- Available as a set



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1222-1	1		10	34	12	1
	A1222-N060	1,016	No. 60	10	34	12	1,016
	A1222-N059	1,041	No. 59	10	34	12	1,041
	A1222-N058	1,067	No. 58	12	36	14	1,067
	A1222-N057	1,092	No. 57	12	36	14	1,092
	A1222-1.1	1,1		12	36	14	1,1
	A1222-N056	1,181	No. 56	14	38	16	1,181
	A1222-3/64IN	1,191	3/64"	14	38	16	1,191
	A1222-1.2	1,2		14	38	16	1,2
	A1222-1.25	1,25		14	38	16	1,25
	A1222-1.3	1,3		14	38	16	1,3
	A1222-N055	1,321	No. 55	15	40	18	1,321
	A1222-N054	1,397	No. 54	15	40	18	1,397
	A1222-1.4	1,4		15	40	18	1,4
	A1222-1.5	1,5		15	40	18	1,5
	A1222-N053	1,511	No. 53	17	43	20	1,511
	A1222-1/16IN	1,588	1/16"	17	43	20	1,588
	A1222-1.6	1,6		17	43	20	1,6
	A1222-N052	1,613	No. 52	17	43	20	1,613
	A1222-1.7	1,7		17	43	20	1,7
	A1222-N051	1,702	No. 51	19	46	22	1,702
	A1222-N050	1,778	No. 50	19	46	22	1,778
	A1222-1.8	1,8		19	46	22	1,8
	A1222-N049	1,854	No. 49	19	46	22	1,854
	A1222-1.9	1,9		19	46	22	1,9
	A1222-N048	1,930	No. 48	20	49	24	1,930
	A1222-5/64IN	1,984	5/64"	20	49	24	1,984
	A1222-N047	1,994	No. 47	20	49	24	1,994
	A1222-2	2		20	49	24	2
	A1222-N046	2,057	No. 46	20	49	24	2,057
	A1222-N045	2,083	No. 45	20	49	24	2,083
	A1222-2.1	2,1		20	49	24	2,1
	A1222-N044	2,184	No. 44	23	53	27	2,184
A1222-2.2	2,2		23	53	27	2,2	
A1222-N043	2,261	No. 43	23	53	27	2,261	
A1222-2.3	2,3		23	53	27	2,3	

**WALTER  
SELECT**

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$d_1$
		$h_8$ mm		mm	mm	mm	f11 mm
<p>Cylindrical shank</p>	A1222-N042	2,375	No. 42	26	57	30	2,375
	A1222-3/32IN	2,381	3/32"	26	57	30	2,381
	A1222-2.4	2,4		26	57	30	2,4
	A1222-N041	2,438	No. 41	26	57	30	2,438
	A1222-N040	2,489	No. 40	26	57	30	2,489
	A1222-2.5	2,5		26	57	30	2,5
	A1222-N039	2,527	No. 39	26	57	30	2,527
	A1222-N038	2,578	No. 38	26	57	30	2,578
	A1222-2.6	2,6		26	57	30	2,6
	A1222-N037	2,642	No. 37	26	57	30	2,642
	A1222-2.7	2,7		28	61	33	2,7
	A1222-N036	2,705	No. 36	28	61	33	2,705
	A1222-7/64IN	2,778	7/64"	28	61	33	2,778
	A1222-N035	2,794	No. 35	28	61	33	2,794
	A1222-2.8	2,8		28	61	33	2,8
	A1222-N034	2,819	No. 34	28	61	33	2,819
	A1222-N033	2,870	No. 33	28	61	33	2,87
	A1222-2.9	2,9		28	61	33	2,9
	A1222-N032	2,946	No. 32	28	61	33	2,946
	A1222-3	3		28	61	33	3
	A1222-N031	3,048	No. 31	30	65	36	3,048
	A1222-3.1	3,1		30	65	36	3,1
	A1222-1/8IN	3,175	1/8"	30	65	36	3,175
	A1222-3.2	3,2		30	65	36	3,2
	A1222-N030	3,264	No. 30	30	65	36	3,264
	A1222-3.3	3,3		30	65	36	3,3
	A1222-3.4	3,4		33	70	39	3,4
	A1222-N029	3,454	No. 29	33	70	39	3,454
	A1222-3.5	3,5		33	70	39	3,5
	A1222-N028	3,569	No. 28	33	70	39	3,569
	A1222-9/64IN	3,572	9/64"	33	70	39	3,572
	A1222-3.6	3,6		33	70	39	3,6
	A1222-N027	3,658	No. 27	33	70	39	3,658
	A1222-3.7	3,7		33	70	39	3,7
A1222-N026	3,734	No. 26	33	70	39	3,734	
A1222-N025	3,797	No. 25	36	75	43	3,797	
A1222-3.8	3,8		36	75	43	3,8	
A1222-N024	3,861	No. 24	36	75	43	3,861	
A1222-3.9	3,9		36	75	43	3,9	
A1222-N023	3,912	No. 23	36	75	43	3,912	
A1222-5/32IN	3,969	5/32"	36	75	43	3,969	
A1222-N022	3,988	No. 22	36	75	43	3,988	
A1222-4	4		36	75	43	4	
A1222-N021	4,039	No. 21	36	75	43	4,039	
A1222-N020	4,089	No. 20	36	75	43	4,089	
A1222-4.1	4,1		36	75	43	4,1	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1222-4.2	4,2		36	75	43	4,2
	A1222-N019	4,216	No. 19	36	75	43	4,216
	A1222-4.3	4,3		39	80	47	4,3
	A1222-N018	4,305	No. 18	39	80	47	4,305
	A1222-11/64IN	4,366	11/64"	39	80	47	4,366
	A1222-N017	4,394	No. 17	39	80	47	4,394
	A1222-4.4	4,4		39	80	47	4,4
	A1222-N016	4,496	No. 16	39	80	47	4,496
	A1222-4.5	4,5		39	80	47	4,5
	A1222-N015	4,572	No. 15	39	80	47	4,572
	A1222-4.6	4,6		39	80	47	4,6
	A1222-N014	4,623	No. 14	39	80	47	4,623
	A1222-N013	4,699	No. 13	39	80	47	4,699
	A1222-4.7	4,7		39	80	47	4,7
	A1222-3/16IN	4,763	3/16"	44	86	52	4,763
	A1222-4.8	4,8		44	86	52	4,8
	A1222-N012	4,801	No. 12	44	86	52	4,801
	A1222-N011	4,851	No. 11	44	86	52	4,851
	A1222-4.9	4,9		44	86	52	4,9
	A1222-N010	4,915	No. 10	44	86	52	4,915
	A1222-N09	4,978	No. 09	44	86	52	4,978
	A1222-5	5		44	86	52	5
	A1222-N08	5,055	No. 08	44	86	52	5,055
	A1222-5.1	5,1		44	86	52	5,1
	A1222-N07	5,105	No. 07	44	86	52	5,105
	A1222-13/64IN	5,159	13/64"	44	86	52	5,159
	A1222-N06	5,182	No. 06	44	86	52	5,182
	A1222-5.2	5,2		44	86	52	5,2
	A1222-N05	5,220	No. 05	44	86	52	5,22
	A1222-5.3	5,3		44	86	52	5,3
	A1222-N04	5,309	No. 04	48	93	57	5,309
	A1222-5.4	5,4		48	93	57	5,4
	A1222-N03	5,410	No. 03	48	93	57	5,41
A1222-5.5	5,5		48	93	57	5,5	
A1222-7/32IN	5,556	7/32"	48	93	57	5,556	
A1222-5.6	5,6		48	93	57	5,6	
A1222-N02	5,613	No. 02	48	93	57	5,613	
A1222-5.7	5,7		48	93	57	5,7	
A1222-N01	5,791	No. 01	48	93	57	5,791	
A1222-5.8	5,8		48	93	57	5,8	
A1222-5.9	5,9		48	93	57	5,9	
A1222-LET.A	5,944	Let. A	48	93	57	5,944	
A1222-15/64IN	5,953	15/64"	48	93	57	5,953	
A1222-6	6		48	93	57	6	
A1222-LET.B	6,045	Let. B	52	101	63	6,045	
A1222-6.1	6,1		52	101	63	6,1	

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$d_1$
		$h_8$ mm		mm	mm	mm	f11 mm
<p>Cylindrical shank</p>	A1222-LET.C	6,147	Let. C	52	101	63	6,147
	A1222-6.2	6,2		52	101	63	6,2
	A1222-LET.D	6,248	Let. D	52	101	63	6,248
	A1222-6.3	6,3		52	101	63	6,3
	A1222-1/4IN	6,350	1/4"	52	101	63	6,35
	A1222-6.4	6,4		52	101	63	6,4
	A1222-6.5	6,5		52	101	63	6,5
	A1222-LET.F	6,528	Let. F	52	101	63	6,528
	A1222-6.6	6,6		52	101	63	6,6
	A1222-LET.G	6,629	Let. G	52	101	63	6,629
	A1222-6.7	6,7		52	101	63	6,7
	A1222-17/64IN	6,747	17/64"	57	109	69	6,747
	A1222-LET.H	6,756	Let. H	57	109	69	6,756
	A1222-6.8	6,8		57	109	69	6,8
	A1222-6.9	6,9		57	109	69	6,9
	A1222-LET.I	6,909	Let. I	57	109	69	6,909
	A1222-7	7		57	109	69	7
	A1222-LET.J	7,036	Let. J	57	109	69	7,036
	A1222-7.1	7,1		57	109	69	7,1
	A1222-LET.K	7,137	Let. K	57	109	69	7,137
	A1222-9/32IN	7,144	9/32"	57	109	69	7,144
	A1222-7.2	7,2		57	109	69	7,2
	A1222-7.3	7,3		57	109	69	7,3
	A1222-LET.L	7,366	Let. L	57	109	69	7,366
	A1222-7.4	7,4		57	109	69	7,4
	A1222-LET.M	7,493	Let. M	57	109	69	7,493
	A1222-7.5	7,5		57	109	69	7,5
	A1222-19/64IN	7,541	19/64"	62	117	75	7,541
	A1222-7.6	7,6		62	117	75	7,6
	A1222-LET.N	7,671	Let. N	62	117	75	7,671
	A1222-7.7	7,7		62	117	75	7,7
	A1222-7.8	7,8		62	117	75	7,8
	A1222-7.9	7,9		62	117	75	7,9
	A1222-5/16IN	7,938	5/16"	62	117	75	7,938
A1222-8	8		62	117	75	8	
A1222-LET.O	8,026	Let. O	62	117	75	8,026	
A1222-8.1	8,1		62	117	75	8,1	
A1222-8.2	8,2		62	117	75	8,2	
A1222-LET.P	8,204	Let. P	62	117	75	8,204	
A1222-8.3	8,3		62	117	75	8,3	
A1222-21/64IN	8,334	21/64"	62	117	75	8,334	
A1222-8.4	8,4		62	117	75	8,4	
A1222-LET.Q	8,433	Let. Q	62	117	75	8,433	
A1222-8.5	8,5		62	117	75	8,5	
A1222-8.6	8,6		66	125	81	8,6	
A1222-LET.R	8,611	Let. R	66	125	81	8,611	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1222-8.7	8,7		66	125	81	8,7
	A1222-11/32IN	8,731	11/32"	66	125	81	8,731
	A1222-8.8	8,8		66	125	81	8,8
	A1222-LET.S	8,839	Let. S	66	125	81	8,839
	A1222-8.9	8,9		66	125	81	8,9
	A1222-9	9		66	125	81	9
	A1222-LET.T	9,093	Let. T	66	125	81	9,093
	A1222-9.1	9,1		66	125	81	9,1
	A1222-23/64IN	9,128	23/64"	66	125	81	9,128
	A1222-9.2	9,2		66	125	81	9,2
	A1222-9.3	9,3		66	125	81	9,3
	A1222-LET.U	9,347	Let. U	66	125	81	9,347
	A1222-9.4	9,4		66	125	81	9,4
	A1222-9.5	9,5		66	125	81	9,5
	A1222-3/8IN	9,525	3/8"	71	133	87	9,525
	A1222-LET.V	9,576	Let. V	71	133	87	9,576
	A1222-9.6	9,6		71	133	87	9,6
	A1222-9.7	9,7		71	133	87	9,7
	A1222-9.8	9,8		71	133	87	9,8
	A1222-LET.W	9,804	Let. W	71	133	87	9,804
	A1222-9.9	9,9		71	133	87	9,9
	A1222-25/64IN	9,922	25/64"	71	133	87	9,922
	A1222-10	10		71	133	87	10
	A1222-LET.X	10,084	Let. X	71	133	87	10,084
	A1222-10.2	10,2		71	133	87	10,2
	A1222-LET.Y	10,262	Let. Y	71	133	87	10,262
	A1222-13/32IN	10,319	13/32"	71	133	87	10,319
	A1222-LET.Z	10,490	Let. Z	71	133	87	10,49
	A1222-10.5	10,5		71	133	87	10,5
	A1222-27/64IN	10,716	27/64"	76	142	94	10,716
	A1222-10.8	10,8		76	142	94	10,8
	A1222-11	11		76	142	94	11
	A1222-7/16IN	11,113	7/16"	76	142	94	11,113
A1222-11.2	11,2		76	142	94	11,2	
A1222-11.5	11,5		76	142	94	11,5	
A1222-29/64IN	11,509	29/64"	76	142	94	11,509	
A1222-11.8	11,8		76	142	94	11,8	
A1222-15/32IN	11,906	15/32"	87	151	101	11,906	
A1222-12	12		87	151	101	12	
A1222-31/64IN	12,303	31/64"	87	151	101	12,303	
A1222-12.5	12,5		87	151	101	12,5	
A1222-1/2IN	12,700	1/2"	87	151	101	12,7	
A1222-13	13		87	151	101	13	
A1222-33/64IN	13,097		87	151	101	13,097	
A1222-13.1	13,1		87	151	101	13,1	
A1222-13.3	13,3		94	160	108	13,3	

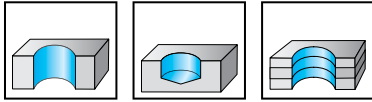
Tool		$D_c$ h8 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ f11 mm
<p>Cylindrical shank</p>	A1222-17/32IN	13,494	17/32"	94	160	108	13,494
	A1222-13.5	13,5		94	160	108	13,5
	A1222-35/64IN	13,891		94	160	108	13,891
	A1222-14	14		94	160	108	14
	A1222-9/16IN	14,288	9/16"	99	169	114	14,288
	A1222-14.5	14,5		99	169	114	14,5
	A1222-37/64IN	14,684	37/64"	99	169	114	14,684
	A1222-15	15		99	169	114	15
	A1222-19/32IN	15,081	19/32"	104	178	120	15,081
	A1222-15.1	15,1		104	178	120	15,1
	A1222-15.3	15,3		104	178	120	15,3
	A1222-39/64IN	15,478	39/64"	104	178	120	15,478
	A1222-15.5	15,5		104	178	120	15,5
	A1222-5/8IN	15,875	5/8"	104	178	120	15,875
	A1222-16	16		104	178	120	16

B1


**WALTER SELECT**

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

# HSS-E A1222 twist drill set Z3518



B1

Tool					
	Designation	D <sub>cmin</sub> mm	D <sub>dmax</sub> mm	Pitch mm	Quantity
	Z3518-1-10.5	1	10,5	0,5	24

Bodies and assembly parts are included in the scope of delivery

**WALTER SELECT**

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

●● Primary application ● Other application

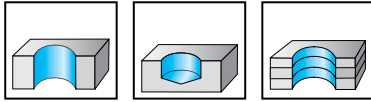


# HSS twist drills

## A1211TIN / A1211



- Available as a set  
- Type N



	P	M	K	N	S	H	O
TIN	●●	●	●●	●	●		●
uncoated	●●	●	●●	●	●		●

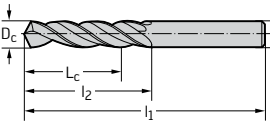
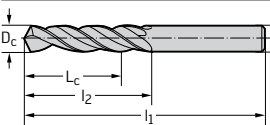
B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
	A1211TIN-0.5	0.5		5,2	22	6	0,5
	A1211TIN-0.6	0.6		6,1	24	7	0,6
	A1211TIN-0.7	0.7		7,8	28	9	0,7
	A1211TIN-0.8	0.8		8,7	30	10	0,8
	A1211TIN-0.9	0.9		9,5	32	11	0,9
	A1211TIN-1	1		10	34	12	1
	A1211TIN-1.1	1.1		12	36	14	1,1
	A1211TIN-1.2	1.2		14	38	16	1,2
	A1211TIN-1.3	1.3		14	38	16	1,3
	A1211TIN-1.4	1.4		15	40	18	1,4
	A1211TIN-1.5	1.5		15	40	18	1,5
	A1211TIN-1.6	1.6		17	43	20	1,6
	A1211TIN-1.7	1.7		17	43	20	1,7
	A1211TIN-1.8	1.8		19	46	22	1,8
	A1211TIN-1.9	1.9		19	46	22	1,9
	A1211TIN-2	2		20	49	24	2
	A1211TIN-2.1	2.1		20	49	24	2,1
	A1211TIN-2.2	2.2		23	53	27	2,2
	A1211TIN-2.3	2.3		23	53	27	2,3
	A1211TIN-2.4	2.4		26	57	30	2,4
	A1211TIN-2.5	2.5		26	57	30	2,5
	A1211TIN-2.6	2.6		26	57	30	2,6
	A1211TIN-2.7	2.7		28	61	33	2,7
	A1211TIN-2.8	2.8		28	61	33	2,8
	A1211TIN-2.9	2.9		28	61	33	2,9
	A1211TIN-3	3		28	61	33	3
	A1211TIN-3.1	3.1		30	65	36	3,1
	A1211TIN-3.2	3.2		30	65	36	3,2
	A1211TIN-3.3	3.3		30	65	36	3,3
	A1211TIN-3.4	3.4		33	70	39	3,4
	A1211TIN-3.5	3.5		33	70	39	3,5
	A1211TIN-3.6	3.6		33	70	39	3,6
	A1211TIN-3.7	3.7		33	70	39	3,7
	A1211TIN-3.8	3.8		36	75	43	3,8
	A1211TIN-3.9	3.9		36	75	43	3,9
	A1211TIN-4	4		36	75	43	4

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1211TIN-4.1	4,1		36	75	43	4,1
	A1211TIN-4.2	4,2		36	75	43	4,2
	A1211TIN-4.3	4,3		39	80	47	4,3
	A1211TIN-4.4	4,4		39	80	47	4,4
	A1211TIN-4.5	4,5		39	80	47	4,5
	A1211TIN-4.6	4,6		39	80	47	4,6
	A1211TIN-4.7	4,7		39	80	47	4,7
	A1211TIN-4.8	4,8		44	86	52	4,8
	A1211TIN-4.9	4,9		44	86	52	4,9
	A1211TIN-5	5		44	86	52	5
	A1211TIN-5.1	5,1		44	86	52	5,1
	A1211TIN-5.2	5,2		44	86	52	5,2
	A1211TIN-5.3	5,3		44	86	52	5,3
	A1211TIN-5.4	5,4		48	93	57	5,4
	A1211TIN-5.5	5,5		48	93	57	5,5
	A1211TIN-5.6	5,6		48	93	57	5,6
	A1211TIN-5.7	5,7		48	93	57	5,7
	A1211TIN-5.8	5,8		48	93	57	5,8
	A1211TIN-5.9	5,9		48	93	57	5,9
	A1211TIN-6	6		48	93	57	6
	A1211TIN-6.1	6,1		52	101	63	6,1
	A1211TIN-6.2	6,2		52	101	63	6,2
	A1211TIN-6.3	6,3		52	101	63	6,3
	A1211TIN-6.4	6,4		52	101	63	6,4
	A1211TIN-6.5	6,5		52	101	63	6,5
	A1211TIN-6.6	6,6		52	101	63	6,6
A1211TIN-6.7	6,7		52	101	63	6,7	
A1211TIN-6.8	6,8		57	109	69	6,8	
A1211TIN-6.9	6,9		57	109	69	6,9	
A1211TIN-7	7		57	109	69	7	
A1211TIN-7.1	7,1		57	109	69	7,1	
A1211TIN-7.2	7,2		57	109	69	7,2	
A1211TIN-7.3	7,3		57	109	69	7,3	
A1211TIN-7.4	7,4		57	109	69	7,4	
A1211TIN-7.5	7,5		57	109	69	7,5	
A1211TIN-7.6	7,6		62	117	75	7,6	
A1211TIN-7.7	7,7		62	117	75	7,7	
A1211TIN-7.8	7,8		62	117	75	7,8	
A1211TIN-7.9	7,9		62	117	75	7,9	
A1211TIN-8	8		62	117	75	8	
A1211TIN-8.1	8,1		62	117	75	8,1	
A1211TIN-8.2	8,2		62	117	75	8,2	
A1211TIN-8.3	8,3		62	117	75	8,3	
A1211TIN-8.4	8,4		62	117	75	8,4	
A1211TIN-8.5	8,5		62	117	75	8,5	
A1211TIN-8.6	8,6		66	125	81	8,6	

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
 <p>Cylindrical shank</p>	A1211TIN-8.7	8,7		66	125	81	8,7
	A1211TIN-8.8	8,8		66	125	81	8,8
	A1211TIN-8.9	8,9		66	125	81	8,9
	A1211TIN-9	9		66	125	81	9
	A1211TIN-9.1	9,1		66	125	81	9,1
	A1211TIN-9.2	9,2		66	125	81	9,2
	A1211TIN-9.3	9,3		66	125	81	9,3
	A1211TIN-9.4	9,4		66	125	81	9,4
	A1211TIN-9.5	9,5		66	125	81	9,5
	A1211TIN-9.6	9,6		71	133	87	9,6
	A1211TIN-9.7	9,7		71	133	87	9,7
	A1211TIN-9.8	9,8		71	133	87	9,8
	A1211TIN-9.9	9,9		71	133	87	9,9
	A1211TIN-10	10		71	133	87	10
	A1211TIN-10.2	10,2		71	133	87	10,2
	A1211TIN-10.5	10,5		71	133	87	10,5
A1211TIN-11	11		76	142	94	11	
A1211TIN-11.5	11,5		76	142	94	11,5	
A1211TIN-12	12		87	151	101	12	
A1211TIN-12.5	12,5		87	151	101	12,5	
A1211TIN-13	13		87	151	101	13	
A1211TIN-13.5	13,5		94	160	108	13,5	
A1211TIN-14	14		94	160	108	14	
A1211TIN-14.5	14,5		99	169	114	14,5	
A1211TIN-15	15		99	169	114	15	
A1211TIN-16	16		104	178	120	16	
 <p>Cylindrical shank</p>	A1211-0.2	0,2		2,1	19	2,5	0,2
	A1211-0.22	0,22		2,1	19	2,5	0,22
	A1211-0.23	0,23		2,1	19	2,5	0,23
	A1211-0.25	0,25		2,5	19	3	0,25
	A1211-0.27	0,27		2,5	19	3	0,27
	A1211-0.28	0,28		2,5	19	3	0,28
	A1211-0.29	0,29		2,5	19	3	0,29
	A1211-0.3	0,3		2,5	19	3	0,3
	A1211-0.31	0,31		3,4	19	4	0,31
	A1211-N082	0,318		3,4	19	4	0,318
	A1211-0.32	0,32		3,4	19	4	0,32
	A1211-0.33	0,33		3,4	19	4	0,33
	A1211-0.34	0,34		3,4	19	4	0,34
	A1211-N080	0,343		3,4	19	4	0,343
	A1211-0.35	0,35		3,4	19	4	0,35
	A1211-N079	0,368		3,4	19	4	0,368
	A1211-0.38	0,38		3,4	19	4	0,38
	A1211-1/64IN	0,397		4,2	20	5	0,397
	A1211-0.4	0,4		4,2	20	5	0,4
	A1211-N078	0,406		4,2	20	5	0,406

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

B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1211-0.42	0,42		4,2	20	5	0,42
	A1211-0.43	0,43		4,2	20	5	0,43
	A1211-0.45	0,45		4,2	20	5	0,45
	A1211-N077	0,457		4,2	20	5	0,457
	A1211-0.47	0,47		4,2	20	5	0,47
	A1211-0.48	0,48		4,2	20	5	0,48
	A1211-0.49	0,49		5,2	22	6	0,49
	A1211-0.5	0,5		5,2	22	6	0,5
	A1211-N076	0,508	No.76	5,2	22	6	0,508
	A1211-0.51	0,51		5,2	22	6	0,51
	A1211-0.52	0,52		5,2	22	6	0,52
	A1211-0.53	0,53		5,2	22	6	0,53
	A1211-N075	0,533		6,1	24	7	0,533
	A1211-0.54	0,54		6,1	24	7	0,54
	A1211-0.55	0,55		6,1	24	7	0,55
	A1211-0.57	0,57		6,1	24	7	0,57
	A1211-N074	0,572		6,1	24	7	0,572
	A1211-0.58	0,58		6,1	24	7	0,58
	A1211-0.59	0,59		6,1	24	7	0,59
	A1211-0.6	0,6		6,1	24	7	0,6
	A1211-N073	0,610		6,9	26	8	0,61
	A1211-0.62	0,62		6,9	26	8	0,62
	A1211-0.63	0,63		6,9	26	8	0,63
	A1211-N072	0,635	No.72	6,9	26	8	0,635
	A1211-0.65	0,65		6,9	26	8	0,65
	A1211-N071	0,660		6,9	26	8	0,66
	A1211-0.67	0,67		6,9	26	8	0,67
	A1211-0.68	0,68		7,8	28	9	0,68
	A1211-0.7	0,7		7,8	28	9	0,7
	A1211-N070	0,711		7,8	28	9	0,711
	A1211-0.72	0,72		7,8	28	9	0,72
	A1211-0.73	0,73		7,8	28	9	0,73
	A1211-N069	0,742		7,8	28	9	0,742
A1211-0.75	0,75		7,8	28	9	0,75	
A1211-0.76	0,76		8,7	30	10	0,76	
A1211-0.78	0,78		8,7	30	10	0,78	
A1211-N068	0,787		8,7	30	10	0,787	
A1211-1/32IN	0,794	1/32"	8,7	30	10	0,794	
A1211-0.8	0,8		8,7	30	10	0,8	
A1211-0.81	0,81		8,7	30	10	0,81	
A1211-N067	0,813		8,7	30	10	0,813	
A1211-0.82	0,82		8,7	30	10	0,82	
A1211-0.83	0,83		8,7	30	10	0,83	
A1211-N066	0,838		8,7	30	10	0,838	
A1211-0.85	0,85		8,7	30	10	0,85	
A1211-0.87	0,87		9,5	32	11	0,87	

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1211-0.88	0,88		9,5	32	11	0,88
	A1211-N065	0,889	No.65	9,5	32	11	0,889
	A1211-0.9	0,9		9,5	32	11	0,9
	A1211-0.91	0,91		9,5	32	11	0,91
	A1211-N064	0,914		9,5	32	11	0,914
	A1211-0.92	0,92		9,5	32	11	0,92
	A1211-N063	0,940		9,5	32	11	0,94
	A1211-0.95	0,95		9,5	32	11	0,95
	A1211-0.96	0,96		10	34	12	0,96
	A1211-N062	0,965		10	34	12	0,965
	A1211-0.97	0,97		10	34	12	0,97
	A1211-0.98	0,98		10	34	12	0,98
	A1211-0.99	0,99		10	34	12	0,99
	A1211-N061	0,991		10	34	12	0,991
	A1211-1	1		10	34	12	1
	A1211-1.01	1,01		10	34	12	1,01
	A1211-N060	1,016	No. 60	10	34	12	1,016
	A1211-1.02	1,02		10	34	12	1,02
	A1211-1.03	1,03		10	34	12	1,03
	A1211-1.04	1,04		10	34	12	1,04
	A1211-N059	1,041	No. 59	10	34	12	1,041
	A1211-1.05	1,05		10	34	12	1,05
	A1211-N058	1,067	No. 58	12	36	14	1,067
	A1211-N057	1,092	No. 57	12	36	14	1,092
	A1211-1.1	1,1		12	36	14	1,1
	A1211-1.12	1,12		12	36	14	1,12
	A1211-1.13	1,13		12	36	14	1,13
	A1211-1.15	1,15		12	36	14	1,15
	A1211-1.18	1,18		12	36	14	1,18
	A1211-N056	1,181	No. 56	14	38	16	1,181
	A1211-3/64IN	1,191	3/64"	14	38	16	1,191
	A1211-1.2	1,2		14	38	16	1,2
	A1211-1.21	1,21		14	38	16	1,21
	A1211-1.22	1,22		14	38	16	1,22
A1211-1.23	1,23		14	38	16	1,23	
A1211-1.24	1,24		14	38	16	1,24	
A1211-1.25	1,25		14	38	16	1,25	
A1211-1.27	1,27		14	38	16	1,27	
A1211-1.28	1,28		14	38	16	1,28	
A1211-1.3	1,3		14	38	16	1,3	
A1211-N055	1,321	No. 55	15	40	18	1,321	
A1211-1.33	1,33		15	40	18	1,33	
A1211-1.35	1,35		15	40	18	1,35	
A1211-1.36	1,36		15	40	18	1,36	
A1211-1.37	1,37		15	40	18	1,37	
A1211-N054	1,397	No. 54	15	40	18	1,397	

B1

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1211-1.4	1,4		15	40	18	1,4
	A1211-1.42	1,42		15	40	18	1,42
	A1211-1.43	1,43		15	40	18	1,43
	A1211-1.45	1,45		15	40	18	1,45
	A1211-1.49	1,49		15	40	18	1,49
	A1211-1.5	1,5		15	40	18	1,5
	A1211-1.51	1,51		17	43	20	1,51
	A1211-N053	1,511	No. 53	17	43	20	1,511
	A1211-1.52	1,52		17	43	20	1,52
	A1211-1.53	1,53		17	43	20	1,53
	A1211-1.55	1,55		17	43	20	1,55
	A1211-1.57	1,57		17	43	20	1,57
	A1211-1/16IN	1,588	1/16"	17	43	20	1,588
	A1211-1.6	1,6		17	43	20	1,6
	A1211-N052	1,613	No. 52	17	43	20	1,613
	A1211-1.63	1,63		17	43	20	1,63
	A1211-1.65	1,65		17	43	20	1,65
	A1211-1.7	1,7		17	43	20	1,7
	A1211-N051	1,702	No. 51	19	46	22	1,702
	A1211-1.75	1,75		19	46	22	1,75
	A1211-N050	1,778	No. 50	19	46	22	1,778
	A1211-1.8	1,8		19	46	22	1,8
	A1211-1.85	1,85		19	46	22	1,85
	A1211-N049	1,854	No. 49	19	46	22	1,854
	A1211-1.9	1,9		19	46	22	1,9
	A1211-N048	1,930	No. 48	20	49	24	1,93
	A1211-1.95	1,95		20	49	24	1,95
	A1211-5/64IN	1,984	5/64"	20	49	24	1,984
	A1211-N047	1,994	No. 47	20	49	24	1,994
	A1211-2	2		20	49	24	2
	A1211-2.05	2,05		20	49	24	2,05
	A1211-N046	2,057	No. 46	20	49	24	2,057
	A1211-N045	2,083	No. 45	20	49	24	2,083
A1211-2.1	2,1		20	49	24	2,1	
A1211-2.15	2,15		23	53	27	2,15	
A1211-N044	2,184	No. 44	23	53	27	2,184	
A1211-2.2	2,2		23	53	27	2,2	
A1211-2.25	2,25		23	53	27	2,25	
A1211-N043	2,261	No. 43	23	53	27	2,261	
A1211-2.3	2,3		23	53	27	2,3	
A1211-2.35	2,35		23	53	27	2,35	
A1211-N042	2,375	No. 42	26	57	30	2,375	
A1211-3/32IN	2,381	3/32"	26	57	30	2,381	
A1211-2.4	2,4		26	57	30	2,4	
A1211-N041	2,438	No. 41	26	57	30	2,438	
A1211-2.45	2,45		26	57	30	2,45	

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$d_1$
		$h8$ mm		mm	mm	mm	$f11$ mm
<p>Cylindrical shank</p>	A1211-N040	2,489	No. 40	26	57	30	2,489
	A1211-2.5	2,5		26	57	30	2,5
	A1211-N039	2,527	No. 39	26	57	30	2,527
	A1211-2.55	2,55		26	57	30	2,55
	A1211-N038	2,578	No. 38	26	57	30	2,578
	A1211-2.6	2,6		26	57	30	2,6
	A1211-N037	2,642	No. 37	26	57	30	2,642
	A1211-2.65	2,65		26	57	30	2,65
	A1211-2.7	2,7		28	61	33	2,7
	A1211-N036	2,705	No. 36	28	61	33	2,705
	A1211-2.75	2,75		28	61	33	2,75
	A1211-7/64IN	2,778	7/64"	28	61	33	2,778
	A1211-N035	2,794	No. 35	28	61	33	2,794
	A1211-2.8	2,8		28	61	33	2,8
	A1211-N034	2,819	No. 34	28	61	33	2,819
	A1211-2.85	2,85		28	61	33	2,85
	A1211-N033	2,870	No. 33	28	61	33	2,87
	A1211-2.9	2,9		28	61	33	2,9
	A1211-N032	2,946	No. 32	28	61	33	2,946
	A1211-2.95	2,95		28	61	33	2,95
	A1211-3	3		28	61	33	3
	A1211-N031	3,048	No. 31	30	65	36	3,048
	A1211-3.05	3,05		30	65	36	3,05
	A1211-3.1	3,1		30	65	36	3,1
	A1211-3.15	3,15		30	65	36	3,15
	A1211-1/8IN	3,175	1/8"	30	65	36	3,175
	A1211-3.2	3,2		30	65	36	3,2
	A1211-3.25	3,25		30	65	36	3,25
	A1211-N030	3,264	No. 30	30	65	36	3,264
	A1211-3.3	3,3		30	65	36	3,3
	A1211-3.35	3,35		30	65	36	3,35
	A1211-3.4	3,4		33	70	39	3,4
	A1211-3.45	3,45		33	70	39	3,45
	A1211-N029	3,454	No. 29	33	70	39	3,454
	A1211-3.5	3,5		33	70	39	3,5
	A1211-3.55	3,55		33	70	39	3,55
	A1211-N028	3,569	No. 28	33	70	39	3,569
	A1211-9/64IN	3,572	9/64"	33	70	39	3,572
A1211-3.6	3,6		33	70	39	3,6	
A1211-3.65	3,65		33	70	39	3,65	
A1211-N027	3,658	No. 27	33	70	39	3,658	
A1211-3.7	3,7		33	70	39	3,7	
A1211-N026	3,734	No. 26	33	70	39	3,734	
A1211-3.75	3,75		33	70	39	3,75	
A1211-N025	3,797	No. 25	36	75	43	3,797	
A1211-3.8	3,8		36	75	43	3,8	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1211-N024	3,861	No. 24	36	75	43	3,861
	A1211-3.9	3,9		36	75	43	3,9
	A1211-N023	3,912	No. 23	36	75	43	3,912
	A1211-3.95	3,95		36	75	43	3,95
	A1211-5/32IN	3,969	5/32"	36	75	43	3,969
	A1211-N022	3,988	No. 22	36	75	43	3,988
	A1211-4	4		36	75	43	4
	A1211-N021	4,039	No. 21	36	75	43	4,039
	A1211-4.05	4,05		36	75	43	4,05
	A1211-N020	4,089	No. 20	36	75	43	4,089
	A1211-4.1	4,1		36	75	43	4,1
	A1211-4.15	4,15		36	75	43	4,15
	A1211-4.2	4,2		36	75	43	4,2
	A1211-N019	4,216	No. 19	36	75	43	4,216
	A1211-4.25	4,25		36	75	43	4,25
	A1211-4.3	4,3		39	80	47	4,3
	A1211-N018	4,305	No. 18	39	80	47	4,305
	A1211-4.35	4,35		39	80	47	4,35
	A1211-11/64IN	4,366	11/64"	39	80	47	4,366
	A1211-N017	4,394	No. 17	39	80	47	4,394
	A1211-4.4	4,4		39	80	47	4,4
	A1211-4.45	4,45		39	80	47	4,45
	A1211-N016	4,496	No. 16	39	80	47	4,496
	A1211-4.5	4,5		39	80	47	4,5
	A1211-4.55	4,55		39	80	47	4,55
	A1211-N015	4,572	No. 15	39	80	47	4,572
	A1211-4.6	4,6		39	80	47	4,6
	A1211-N014	4,623	No. 14	39	80	47	4,623
	A1211-4.65	4,65		39	80	47	4,65
	A1211-N013	4,699	No. 13	39	80	47	4,699
	A1211-4.7	4,7		39	80	47	4,7
	A1211-4.75	4,75		39	80	47	4,75
	A1211-3/16IN	4,763	3/16"	44	86	52	4,763
A1211-4.8	4,8		44	86	52	4,8	
A1211-N012	4,801	No. 12	44	86	52	4,801	
A1211-4.85	4,85		44	86	52	4,85	
A1211-N011	4,851	No. 11	44	86	52	4,851	
A1211-4.9	4,9		44	86	52	4,9	
A1211-N010	4,915	No. 10	44	86	52	4,915	
A1211-4.95	4,95		44	86	52	4,95	
A1211-N09	4,978	No. 09	44	86	52	4,978	
A1211-5	5		44	86	52	5	
A1211-5.05	5,05		44	86	52	5,05	
A1211-N08	5,055	No. 08	44	86	52	5,055	
A1211-5.1	5,1		44	86	52	5,1	
A1211-N07	5,105	No. 07	44	86	52	5,105	



Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1211-5.15	5,15		44	86	52	5,15
	A1211-13/64IN	5,159	13/64"	44	86	52	5,159
	A1211-N06	5,182	No. 06	44	86	52	5,182
	A1211-5.2	5,2		44	86	52	5,2
	A1211-N05	5,220	No. 05	44	86	52	5,22
	A1211-5.25	5,25		44	86	52	5,25
	A1211-5.3	5,3		44	86	52	5,3
	A1211-N04	5,309	No. 04	48	93	57	5,309
	A1211-5.4	5,4		48	93	57	5,4
	A1211-N03	5,410	No. 03	48	93	57	5,41
	A1211-5.5	5,5		48	93	57	5,5
	A1211-5.55	5,55		48	93	57	5,55
	A1211-7/32IN	5,556	7/32"	48	93	57	5,556
	A1211-5.6	5,6		48	93	57	5,6
	A1211-N02	5,613	No. 02	48	93	57	5,613
	A1211-5.7	5,7		48	93	57	5,7
	A1211-5.75	5,75		48	93	57	5,75
	A1211-N01	5,791	No. 01	48	93	57	5,791
	A1211-5.8	5,8		48	93	57	5,8
	A1211-5.9	5,9		48	93	57	5,9
	A1211-LET.A	5,944	Let. A	48	93	57	5,944
	A1211-5.95	5,95		48	93	57	5,95
	A1211-15/64IN	5,953	15/64"	48	93	57	5,953
	A1211-6	6		48	93	57	6
	A1211-LET.B	6,045	Let. B	52	101	63	6,045
	A1211-6.05	6,05		52	101	63	6,05
	A1211-6.1	6,1		52	101	63	6,1
	A1211-LET.C	6,147	Let. C	52	101	63	6,147
	A1211-6.15	6,15		52	101	63	6,15
	A1211-6.2	6,2		52	101	63	6,2
	A1211-LET.D	6,248	Let. D	52	101	63	6,248
	A1211-6.25	6,25		52	101	63	6,25
	A1211-6.3	6,3		52	101	63	6,3
	A1211-1/4IN	6,350	1/4"	52	101	63	6,35
A1211-6.4	6,4		52	101	63	6,4	
A1211-6.45	6,45		52	101	63	6,45	
A1211-6.5	6,5		52	101	63	6,5	
A1211-LET.F	6,528	Let. F	52	101	63	6,528	
A1211-6.55	6,55		52	101	63	6,55	
A1211-6.6	6,6		52	101	63	6,6	
A1211-LET.G	6,629	Let. G	52	101	63	6,629	
A1211-6.65	6,65		52	101	63	6,65	
A1211-6.7	6,7		52	101	63	6,7	
A1211-17/64IN	6,747	17/64"	57	109	69	6,747	
A1211-6.75	6,75		57	109	69	6,75	
A1211-LET.H	6,756	Let. H	57	109	69	6,756	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1211-6.8	6,8		57	109	69	6,8
	A1211-6.9	6,9		57	109	69	6,9
	A1211-LET.I	6,909	Let. I	57	109	69	6,909
	A1211-7	7		57	109	69	7
	A1211-LET.J	7,036	Let. J	57	109	69	7,036
	A1211-7.05	7,05		57	109	69	7,05
	A1211-7.1	7,1		57	109	69	7,1
	A1211-LET.K	7,137	Let. K	57	109	69	7,137
	A1211-9/32IN	7,144	9/32"	57	109	69	7,144
	A1211-7.2	7,2		57	109	69	7,2
	A1211-7.25	7,25		57	109	69	7,25
	A1211-7.3	7,3		57	109	69	7,3
	A1211-LET.L	7,366	Let. L	57	109	69	7,366
	A1211-7.4	7,4		57	109	69	7,4
	A1211-LET.M	7,493	Let. M	57	109	69	7,493
	A1211-7.5	7,5		57	109	69	7,5
	A1211-19/64IN	7,541	19/64"	62	117	75	7,541
	A1211-7.6	7,6		62	117	75	7,6
	A1211-LET.N	7,671	Let. N	62	117	75	7,671
	A1211-7.7	7,7		62	117	75	7,7
	A1211-7.75	7,75		62	117	75	7,75
	A1211-7.8	7,8		62	117	75	7,8
	A1211-7.9	7,9		62	117	75	7,9
	A1211-5/16IN	7,938	5/16"	62	117	75	7,938
	A1211-8	8		62	117	75	8
	A1211-LET.O	8,026	Let. O	62	117	75	8,026
	A1211-8.05	8,05		62	117	75	8,05
	A1211-8.1	8,1		62	117	75	8,1
	A1211-8.2	8,2		62	117	75	8,2
	A1211-LET.P	8,204	Let. P	62	117	75	8,204
A1211-8.25	8,25		62	117	75	8,25	
A1211-8.3	8,3		62	117	75	8,3	
A1211-21/64IN	8,334	21/64"	62	117	75	8,334	
A1211-8.4	8,4		62	117	75	8,4	
A1211-LET.Q	8,433	Let. Q	62	117	75	8,433	
A1211-8.5	8,5		62	117	75	8,5	
A1211-8.6	8,6		66	125	81	8,6	
A1211-LET.R	8,611	Let. R	66	125	81	8,611	
A1211-8.7	8,7		66	125	81	8,7	
A1211-11/32IN	8,731	11/32"	66	125	81	8,731	
A1211-8.75	8,75		66	125	81	8,75	
A1211-8.8	8,8		66	125	81	8,8	
A1211-8.9	8,9		66	125	81	8,9	
A1211-9	9		66	125	81	9	
A1211-LET.T	9,093	Let. T	66	125	81	9,093	
A1211-9.1	9,1		66	125	81	9,1	

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1211-23/64IN	9,128	23/64"	66	125	81	9,128
	A1211-9.2	9,2		66	125	81	9,2
	A1211-9.25	9,25		66	125	81	9,25
	A1211-9.3	9,3		66	125	81	9,3
	A1211-LET.U	9,347	Let. U	66	125	81	9,347
	A1211-9.4	9,4		66	125	81	9,4
	A1211-9.5	9,5		66	125	81	9,5
	A1211-3/8IN	9,525	3/8"	71	133	87	9,525
	A1211-9.6	9,6		71	133	87	9,6
	A1211-9.7	9,7		71	133	87	9,7
	A1211-9.75	9,75		71	133	87	9,75
	A1211-9.8	9,8		71	133	87	9,8
	A1211-LET.W	9,804	Let. W	71	133	87	9,804
	A1211-9.9	9,9		71	133	87	9,9
	A1211-25/64IN	9,922	25/64"	71	133	87	9,922
	A1211-10	10		71	133	87	10
	A1211-LET.X	10,084	Let. X	71	133	87	10,084
	A1211-10.1	10,1		71	133	87	10,1
	A1211-10.2	10,2		71	133	87	10,2
	A1211-10.25	10,25		71	133	87	10,25
	A1211-LET.Y	10,262	Let. Y	71	133	87	10,262
	A1211-10.3	10,3		71	133	87	10,3
	A1211-13/32IN	10,319	13/32"	71	133	87	10,319
	A1211-10.4	10,4		71	133	87	10,4
	A1211-LET.Z	10,490	Let. Z	71	133	87	10,49
	A1211-10.5	10,5		71	133	87	10,5
	A1211-10.6	10,6		71	133	87	10,6
	A1211-10.7	10,7		76	142	94	10,7
	A1211-27/64IN	10,716	27/64"	76	142	94	10,716
	A1211-10.75	10,75		76	142	94	10,75
	A1211-10.8	10,8		76	142	94	10,8
	A1211-10.9	10,9		76	142	94	10,9
	A1211-11	11		76	142	94	11
	A1211-11.1	11,1		76	142	94	11,1
A1211-7/16IN	11,113	7/16"	76	142	94	11,113	
A1211-11.2	11,2		76	142	94	11,2	
A1211-11.25	11,25		76	142	94	11,25	
A1211-11.3	11,3		76	142	94	11,3	
A1211-11.4	11,4		76	142	94	11,4	
A1211-11.5	11,5		76	142	94	11,5	
A1211-29/64IN	11,509	29/64"	76	142	94	11,509	
A1211-11.6	11,6		76	142	94	11,6	
A1211-11.7	11,7		76	142	94	11,7	
A1211-11.75	11,75		76	142	94	11,75	
A1211-11.8	11,8		76	142	94	11,8	
A1211-11.9	11,9		87	151	101	11,9	

B1

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

Tool		$D_c$ h8 mm	$D_c$ Inch/Nr	$L_c$ mm	$h_1$ mm	$h_2$ mm	$d_1$ f11 mm
<p>Cylindrical shank</p>	A1211-15/32IN	11,906	15/32"	87	151	101	11,906
	A1211-12	12		87	151	101	12
	A1211-12.1	12,1		87	151	101	12,1
	A1211-12.2	12,2		87	151	101	12,2
	A1211-12.25	12,25		87	151	101	12,25
	A1211-12.3	12,3		87	151	101	12,3
	A1211-31/64IN	12,303	31/64"	87	151	101	12,303
	A1211-12.4	12,4		87	151	101	12,4
	A1211-12.5	12,5		87	151	101	12,5
	A1211-12.6	12,6		87	151	101	12,6
	A1211-1/2IN	12,700	1/2"	87	151	101	12,7
	A1211-12.75	12,75		87	151	101	12,75
	A1211-12.8	12,8		87	151	101	12,8
	A1211-12.9	12,9		87	151	101	12,9
	A1211-13	13		87	151	101	13
	A1211-33/64IN	13,097		87	151	101	13,097
	A1211-13.1	13,1		87	151	101	13,1
	A1211-13.2	13,2		87	151	101	13,2
	A1211-13.25	13,25		94	160	108	13,25
	A1211-13.3	13,3		94	160	108	13,3
	A1211-13.4	13,4		94	160	108	13,4
	A1211-17/32IN	13,494	17/32"	94	160	108	13,494
	A1211-13.5	13,5		94	160	108	13,5
	A1211-13.6	13,6		94	160	108	13,6
	A1211-13.7	13,7		94	160	108	13,7
	A1211-13.75	13,75		94	160	108	13,75
	A1211-13.8	13,8		94	160	108	13,8
	A1211-35/64IN	13,891		94	160	108	13,891
	A1211-13.9	13,9		94	160	108	13,9
	A1211-14	14		94	160	108	14
	A1211-14.1	14,1		99	169	114	14,1
	A1211-14.2	14,2		99	169	114	14,2
	A1211-14.25	14,25		99	169	114	14,25
A1211-9/16IN	14,288	9/16"	99	169	114	14,288	
A1211-14.3	14,3		99	169	114	14,3	
A1211-14.5	14,5		99	169	114	14,5	
A1211-37/64IN	14,684	37/64"	99	169	114	14,684	
A1211-14.75	14,75		99	169	114	14,75	
A1211-15	15		99	169	114	15	
A1211-19/32IN	15,081	19/32"	104	178	120	15,081	
A1211-15.2	15,2		104	178	120	15,2	
A1211-15.25	15,25		104	178	120	15,25	
A1211-39/64IN	15,478	39/64"	104	178	120	15,478	
A1211-15.5	15,5		104	178	120	15,5	
A1211-15.75	15,75		104	178	120	15,75	
A1211-5/8IN	15,875	5/8"	104	178	120	15,875	

Tool		$D_c$ h8 mm	$D_c$ Inch/Nr	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ f11 mm
<p>Cylindrical shank</p>	Designation	A1211-16		104	178	120	16
		A1211-41/64IN		108	184	125	16,272
		A1211-16.5		108	184	125	16,5
		A1211-21/32IN		108	184	125	16,669
		A1211-17		108	184	125	17
		A1211-43/64IN		112	191	130	17,066
		A1211-11/16IN		112	191	130	17,463
		A1211-17.5		112	191	130	17,5
		A1211-18		112	191	130	18
		A1211-18.5		116	198	135	18,5
		A1211-19		116	198	135	19
		A1211-19.5		120	205	140	19,5
		A1211-20		120	205	140	20
		A1211-21		123	213	145	21
		A1211-22		127	221	150	22

B1

**WALTER SELECT**

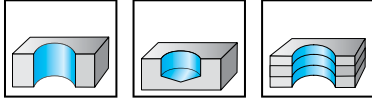
 ●● Primary application    ● Other application  
 Best tool for    → Good = 😊    → Average = 😐    → Poor = ☹️    machining conditions

# HSS A1211TIN twist drill set


## Z3218TIN



- Type N



B1

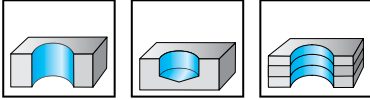
Tool					
	Designation	D <sub>cmin</sub> mm	D <sub>dmax</sub> mm	Pitch mm	Quantity
	Z3218TIN-1-10.5	1	10,5	0,5	24

Bodies and assembly parts are included in the scope of delivery


# HSS A1211TIN twist drill set Z3219TIN



- Type N



B1

Tool					
	Designation	D <sub>cmin</sub> mm	D <sub>cmax</sub> mm	Pitch mm	Quantity
	Z3219TIN-1-13	1	13	0,5	25

Bodies and assembly parts are included in the scope of delivery

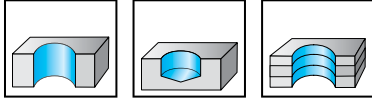
**WALTER  
SELECT**

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


# HSS A1211 twist drill set Z3218



- Type N



B1

Tool					
	Designation	D <sub>cmin</sub> mm	D <sub>dmax</sub> mm	Pitch mm	Quantity
	Z3218-1-10.5	1	10,5	0,5	24

Bodies and assembly parts are included in the scope of delivery

**WALTER  
SELECT**

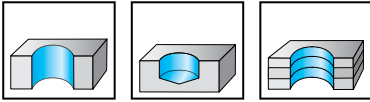
●● Primary application ● Other application  
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions




# HSS A1211 twist drill set Z3219



- Type N



B1

Tool					
	Designation	D <sub>cmin</sub> mm	D <sub>cmax</sub> mm	Pitch mm	Quantity
	Z3219-1-13	1	13	0,5	25

Bodies and assembly parts are included in the scope of delivery

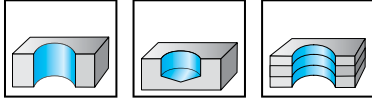
**WALTER SELECT** ●● Primary application ● Other application

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


# HSS A121 twist drill set Z3213



- Type N



B1

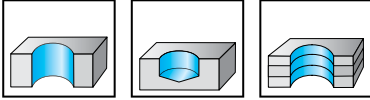
Tool					
	Designation	D <sub>cmin</sub> mm	D <sub>dmax</sub> mm	Pitch mm	Quantity
	Z3213-1-6	1	6	0,1	51

Bodies and assembly parts are included in the scope of delivery

# HSS A1211 twist drill set Z3216



- Type N



## Tool

	Designation	Pitch mm
	Z3216-6-10	0,1

Bodies and assembly parts are included in the scope of delivery

**WALTER  
SELECT**

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

●● Primary application ● Other application

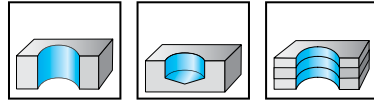
B1

# HSS twist drills

## DA110 Perform



- Available as a set  
- Type N



	P	M	K	N	S	H	0
WZ90AJ	●●	●	●●	●			●

B1

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm	WZ90AJ
<p>Cylindrical shank</p>	DA110-08-01.000U0-	1	10	34	12	1	●●
	DA110-08-01.100U0-	1,1	12	36	14	1,1	●●
	DA110-08-01.200U0-	1,2	14	38	16	1,2	●●
	DA110-08-01.300U0-	1,3	14	38	16	1,3	●●
	DA110-08-01.400U0-	1,4	15	40	18	1,4	●●
	DA110-08-01.500U0-	1,5	15	40	18	1,5	●●
	DA110-08-01.600U0-	1,6	17	43	20	1,6	●●
	DA110-08-01.700U0-	1,7	17	43	20	1,7	●●
	DA110-08-01.800U0-	1,8	19	46	22	1,8	●●
	DA110-08-01.900U0-	1,9	19	46	22	1,9	●●
	DA110-08-02.000U0-	2	20	49	24	2	●●
	DA110-08-02.100U0-	2,1	20	49	24	2,1	●●
	DA110-08-02.200U0-	2,2	23	53	27	2,2	●●
	DA110-08-02.300U0-	2,3	23	53	27	2,3	●●
	DA110-08-02.400U0-	2,4	26	57	30	2,4	●●
	DA110-08-02.500U0-	2,5	26	57	30	2,5	●●
	DA110-08-02.600U0-	2,6	26	57	30	2,6	●●
	DA110-08-02.700U0-	2,7	28	61	33	2,7	●●
	DA110-08-02.800U0-	2,8	28	61	33	2,8	●●
	DA110-08-02.900U0-	2,9	28	61	33	2,9	●●
	DA110-08-03.000U0-	3	28	61	33	3	●●
	DA110-08-03.100U0-	3,1	30	65	36	3,1	●●
	DA110-08-03.200U0-	3,2	30	65	36	3,2	●●
	DA110-08-03.300U0-	3,3	30	65	36	3,3	●●
	DA110-08-03.400U0-	3,4	33	70	39	3,4	●●
	DA110-08-03.500U0-	3,5	33	70	39	3,5	●●
	DA110-08-03.600U0-	3,6	33	70	39	3,6	●●
	DA110-08-03.700U0-	3,7	33	70	39	3,7	●●
	DA110-08-03.800U0-	3,8	36	75	43	3,8	●●
	DA110-08-03.900U0-	3,9	36	75	43	3,9	●●
	DA110-08-04.000U0-	4	36	75	43	4	●●
	DA110-08-04.100U0-	4,1	36	75	43	4,1	●●
	DA110-08-04.200U0-	4,2	36	75	43	4,2	●●
DA110-08-04.300U0-	4,3	39	80	47	4,3	●●	
DA110-08-04.400U0-	4,4	39	80	47	4,4	●●	
DA110-08-04.500U0-	4,5	39	80	47	4,5	●●	

Ordering example for the grade WZ90AJ: DA110-08-01.000U0-WZ90AJ

**WALTER SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm	WZ90AJ
<p>Cylindrical shank</p>	DA110-08-04.600U0-	4,6	39	80	47	4,6	☹
	DA110-08-04.700U0-	4,7	39	80	47	4,7	☹
	DA110-08-04.800U0-	4,8	44	86	52	4,8	☹
	DA110-08-04.900U0-	4,9	44	86	52	4,9	☹
	DA110-08-05.000U0-	5	44	86	52	5	☹
	DA110-08-05.100U0-	5,1	44	86	52	5,1	☹
	DA110-08-05.200U0-	5,2	44	86	52	5,2	☹
	DA110-08-05.300U0-	5,3	44	86	52	5,3	☹
	DA110-08-05.400U0-	5,4	48	93	57	5,4	☹
	DA110-08-05.500U0-	5,5	48	93	57	5,5	☹
	DA110-08-05.600U0-	5,6	48	93	57	5,6	☹
	DA110-08-05.700U0-	5,7	48	93	57	5,7	☹
	DA110-08-05.800U0-	5,8	48	93	57	5,8	☹
	DA110-08-05.900U0-	5,9	48	93	57	5,9	☹
	DA110-08-06.000U0-	6	48	93	57	6	☹
	DA110-08-06.100U0-	6,1	52	101	63	6,1	☹
	DA110-08-06.200U0-	6,2	52	101	63	6,2	☹
	DA110-08-06.300U0-	6,3	52	101	63	6,3	☹
	DA110-08-06.400U0-	6,4	52	101	63	6,4	☹
	DA110-08-06.500U0-	6,5	52	101	63	6,5	☹
	DA110-08-06.600U0-	6,6	52	101	63	6,6	☹
	DA110-08-06.700U0-	6,7	52	101	63	6,7	☹
	DA110-08-06.800U0-	6,8	57	109	69	6,8	☹
	DA110-08-06.900U0-	6,9	57	109	69	6,9	☹
	DA110-08-07.000U0-	7	57	109	69	7	☹
	DA110-08-07.100U0-	7,1	57	109	69	7,1	☹
	DA110-08-07.200U0-	7,2	57	109	69	7,2	☹
	DA110-08-07.300U0-	7,3	57	109	69	7,3	☹
	DA110-08-07.400U0-	7,4	57	109	69	7,4	☹
	DA110-08-07.500U0-	7,5	57	109	69	7,5	☹
	DA110-08-07.600U0-	7,6	62	117	75	7,6	☹
	DA110-08-07.700U0-	7,7	62	117	75	7,7	☹
	DA110-08-07.800U0-	7,8	62	117	75	7,8	☹
	DA110-08-07.900U0-	7,9	62	117	75	7,9	☹
	DA110-08-08.000U0-	8	62	117	75	8	☹
DA110-08-08.100U0-	8,1	62	117	75	8,1	☹	
DA110-08-08.200U0-	8,2	62	117	75	8,2	☹	
DA110-08-08.300U0-	8,3	62	117	75	8,3	☹	
DA110-08-08.400U0-	8,4	62	117	75	8,4	☹	
DA110-08-08.500U0-	8,5	62	117	75	8,5	☹	
DA110-08-08.600U0-	8,6	66	125	81	8,6	☹	
DA110-08-08.700U0-	8,7	66	125	81	8,7	☹	
DA110-08-08.800U0-	8,8	66	125	81	8,8	☹	
DA110-08-08.900U0-	8,9	66	125	81	8,9	☹	
DA110-08-09.000U0-	9	66	125	81	9	☹	
DA110-08-09.100U0-	9,1	66	125	81	9,1	☹	

Ordering example for the grade WZ90AJ: DA110-08-01.000U0-WZ90AJ

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

B1

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	h mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm	WZ90AJ
<p>Cylindrical shank</p>	DA110-08-09.200U0-	9,2	66	125	81	9,2	☹
	DA110-08-09.300U0-	9,3	66	125	81	9,3	☹
	DA110-08-09.400U0-	9,4	66	125	81	9,4	☹
	DA110-08-09.500U0-	9,5	66	125	81	9,5	☹
	DA110-08-09.600U0-	9,6	71	133	87	9,6	☹
	DA110-08-09.700U0-	9,7	71	133	87	9,7	☹
	DA110-08-09.800U0-	9,8	71	133	87	9,8	☹
	DA110-08-09.900U0-	9,9	71	133	87	9,9	☹
	DA110-08-10.000U0-	10	71	133	87	10	☹
	DA110-08-10.100U0-	10,1	71	133	87	10,1	☹
	DA110-08-10.200U0-	10,2	71	133	87	10,2	☹
	DA110-08-10.300U0-	10,3	71	133	87	10,3	☹
	DA110-08-10.400U0-	10,4	71	133	87	10,4	☹
	DA110-08-10.500U0-	10,5	71	133	87	10,5	☹
	DA110-08-10.700U0-	10,7	76	142	94	10,7	☹
	DA110-08-10.800U0-	10,8	76	142	94	10,8	☹
	DA110-08-11.000U0-	11	76	142	94	11	☹
	DA110-08-11.100U0-	11,1	76	142	94	11,1	☹
	DA110-08-11.300U0-	11,3	76	142	94	11,3	☹
	DA110-08-11.500U0-	11,5	76	142	94	11,5	☹
	DA110-08-11.800U0-	11,8	76	142	94	11,8	☹
	DA110-08-12.000U0-	12	87	151	101	12	☹
	DA110-08-12.100U0-	12,1	87	151	101	12,1	☹
	DA110-08-12.200U0-	12,2	87	151	101	12,2	☹
	DA110-08-12.500U0-	12,5	87	151	101	12,5	☹
	DA110-08-13.000U0-	13	87	151	101	13	☹
	DA110-08-13.500U0-	13,5	94	160	108	13,5	☹
	DA110-08-13.700U0-	13,7	94	160	108	13,7	☹
	DA110-08-14.000U0-	14	94	160	108	14	☹
	DA110-08-14.500U0-	14,5	99	169	114	14,5	☹
	DA110-08-15.000U0-	15	99	169	114	15	☹
	DA110-08-15.500U0-	15,5	104	178	120	15,5	☹
	DA110-08-16.000U0-	16	104	178	120	16	☹

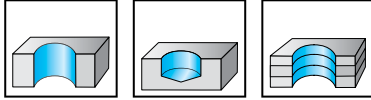
Ordering example for the grade WZ90AJ: DA110-08-01.000U0-WZ90AJ

# HSS drill cartridge

## DA110 Perform



- Type N



	P	M	K	N	S	H	0
WZ90AJ	●●	●	●●	●	●		●

### Tool

Designation	D <sub>cmin</sub> mm	D <sub>cmax</sub> mm	Pitch mm	Quantity	WZ90AJ
DA110-SET-1-10.5-	1	10,5	0,5	24	☒



B1

**WALTER SELECT**

●● Primary application ● Other application

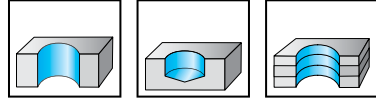
Best tool for → Good = 😊 → Average = 😐 → Poor = ☒ machining conditions

# HSS drill cartridge

## DA110 Perform




- Type N



B1

	P	M	K	N	S	H	0
WZ90AJ	●●	●	●●	●	●		●

Tool						WZ90AJ
Designation	D <sub>cmin</sub> mm	D <sub>cmax</sub> mm	Pitch mm	Quantity		
 DA110-SET-1-13-	1	13	0,5	25	☒	

**WALTER SELECT**

●● Primary application    ● Other application

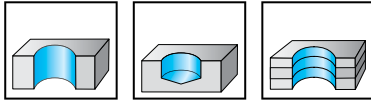
Best tool for → Good = 😊    → Average = 😐    → Poor = ☒ machining conditions



# HSS-E deep-hole drills, long

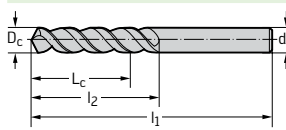
## A1549TFP

### UFL®



	P	M	K	N	S	H	O
TFP	●●	●●	●●	●●	●		●

#### Tool



Cylindrical shank

Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
A1549TFP-1	1	31	56	33	1
A1549TFP-1.1	1.1	35	60	37	1.1
A1549TFP-1.2	1.2	39	65	41	1.2
A1549TFP-1.3	1.3	39	65	41	1.3
A1549TFP-1.4	1.4	42	70	45	1.4
A1549TFP-1.5	1.5	42	70	45	1.5
A1549TFP-1.6	1.6	47	76	50	1.6
A1549TFP-1.7	1.7	47	76	50	1.7
A1549TFP-1.8	1.8	50	80	53	1.8
A1549TFP-1.9	1.9	50	80	53	1.9
A1549TFP-2	2	52	85	56	2
A1549TFP-2.1	2.1	52	85	56	2.1
A1549TFP-2.2	2.2	55	90	59	2.2
A1549TFP-2.3	2.3	55	90	59	2.3
A1549TFP-2.4	2.4	58	95	62	2.4
A1549TFP-2.5	2.5	58	95	62	2.5
A1549TFP-2.6	2.6	58	95	62	2.6
A1549TFP-2.7	2.7	61	100	66	2.7
A1549TFP-2.8	2.8	61	100	66	2.8
A1549TFP-2.9	2.9	61	100	66	2.9
A1549TFP-3	3	61	100	66	3
A1549TFP-3.1	3.1	63	106	69	3.1
A1549TFP-3.2	3.2	63	106	69	3.2
A1549TFP-3.3	3.3	63	106	69	3.3
A1549TFP-3.4	3.4	67	112	73	3.4
A1549TFP-3.5	3.5	67	112	73	3.5
A1549TFP-3.6	3.6	67	112	73	3.6
A1549TFP-3.7	3.7	67	112	73	3.7
A1549TFP-3.8	3.8	71	119	78	3.8
A1549TFP-3.9	3.9	71	119	78	3.9
A1549TFP-4	4	71	119	78	4
A1549TFP-4.1	4.1	71	119	78	4.1
A1549TFP-4.2	4.2	71	119	78	4.2
A1549TFP-4.3	4.3	74	126	82	4.3
A1549TFP-4.4	4.4	74	126	82	4.4
A1549TFP-4.5	4.5	74	126	82	4.5

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1549TFP-4.6	4,6	74	126	82	4,6
	A1549TFP-4.7	4,7	74	126	82	4,7
	A1549TFP-4.8	4,8	79	132	87	4,8
	A1549TFP-4.9	4,9	79	132	87	4,9
	A1549TFP-5	5	79	132	87	5
	A1549TFP-5.1	5,1	79	132	87	5,1
	A1549TFP-5.2	5,2	79	132	87	5,2
	A1549TFP-5.3	5,3	79	132	87	5,3
	A1549TFP-5.4	5,4	82	139	91	5,4
	A1549TFP-5.5	5,5	82	139	91	5,5
	A1549TFP-5.6	5,6	82	139	91	5,6
	A1549TFP-5.7	5,7	82	139	91	5,7
	A1549TFP-5.8	5,8	82	139	91	5,8
	A1549TFP-5.9	5,9	82	139	91	5,9
	A1549TFP-6	6	82	139	91	6
	A1549TFP-6.1	6,1	86	148	97	6,1
	A1549TFP-6.2	6,2	86	148	97	6,2
	A1549TFP-6.3	6,3	86	148	97	6,3
	A1549TFP-6.4	6,4	86	148	97	6,4
	A1549TFP-6.5	6,5	86	148	97	6,5
	A1549TFP-6.6	6,6	86	148	97	6,6
	A1549TFP-6.7	6,7	86	148	97	6,7
	A1549TFP-6.8	6,8	90	156	102	6,8
	A1549TFP-6.9	6,9	90	156	102	6,9
	A1549TFP-7	7	90	156	102	7
	A1549TFP-7.1	7,1	90	156	102	7,1
	A1549TFP-7.2	7,2	90	156	102	7,2
	A1549TFP-7.3	7,3	90	156	102	7,3
	A1549TFP-7.4	7,4	90	156	102	7,4
	A1549TFP-7.5	7,5	90	156	102	7,5
	A1549TFP-7.6	7,6	96	165	109	7,6
	A1549TFP-7.7	7,7	96	165	109	7,7
	A1549TFP-7.8	7,8	96	165	109	7,8
A1549TFP-7.9	7,9	96	165	109	7,9	
A1549TFP-8	8	96	165	109	8	
A1549TFP-8.1	8,1	96	165	109	8,1	
A1549TFP-8.2	8,2	96	165	109	8,2	
A1549TFP-8.3	8,3	96	165	109	8,3	
A1549TFP-8.4	8,4	96	165	109	8,4	
A1549TFP-8.5	8,5	96	165	109	8,5	
A1549TFP-8.6	8,6	100	175	115	8,6	
A1549TFP-8.7	8,7	100	175	115	8,7	
A1549TFP-8.8	8,8	100	175	115	8,8	
A1549TFP-8.9	8,9	100	175	115	8,9	
A1549TFP-9	9	100	175	115	9	
A1549TFP-9.1	9,1	100	175	115	9,1	

Tool		$D_c$ h8 mm	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ f11 mm
<p>Cylindrical shank</p>	Designation					
	A1549TFP-9.3	9,3	100	175	115	9,3
	A1549TFP-9.4	9,4	100	175	115	9,4
	A1549TFP-9.5	9,5	100	175	115	9,5
	A1549TFP-9.6	9,6	105	184	121	9,6
	A1549TFP-9.7	9,7	105	184	121	9,7
	A1549TFP-9.8	9,8	105	184	121	9,8
	A1549TFP-9.9	9,9	105	184	121	9,9
	A1549TFP-10	10	105	184	121	10
	A1549TFP-10.2	10,2	105	184	121	10,2
	A1549TFP-10.5	10,5	105	184	121	10,5
	A1549TFP-11	11	110	195	128	11
	A1549TFP-11.5	11,5	110	195	128	11,5
A1549TFP-12	12	120	205	134	12	

B1

**WALTER SELECT**

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

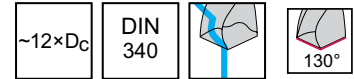
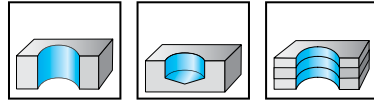
# HSS-E twist drills, long

## A1547

### Alpha® XE



- Uncoated up to 1.9 mm



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1547-1	1		31	56	33	1
	A1547-N060	1,016	No. 60	31	56	33	1,016
	A1547-N059	1,041	No. 59	31	56	33	1,041
	A1547-N058	1,067	No. 58	35	60	37	1,067
	A1547-N057	1,092	No. 57	35	60	37	1,092
	A1547-1.1	1,1		35	60	37	1,1
	A1547-N056	1,181	No. 56	39	65	41	1,181
	A1547-3/64IN	1,191	3/64"	39	65	41	1,191
	A1547-1.2	1,2		39	65	41	1,2
	A1547-1.3	1,3		39	65	41	1,3
	A1547-N055	1,321	No. 55	42	70	45	1,321
	A1547-1.4	1,4		42	70	45	1,4
	A1547-1.5	1,5		42	70	45	1,5
	A1547-N053	1,511	No. 53	47	76	50	1,511
	A1547-1/16IN	1,588	1/16"	47	76	50	1,588
	A1547-1.6	1,6		47	76	50	1,6
	A1547-N052	1,613	No. 52	47	76	50	1,613
	A1547-1.7	1,7		47	76	50	1,7
	A1547-N051	1,702	No. 51	50	80	53	1,702
	A1547-N050	1,778	No. 50	50	80	53	1,778
	A1547-1.8	1,8		50	80	53	1,8
	A1547-N049	1,854	No. 49	50	80	53	1,854
	A1547-1.9	1,9		50	80	53	1,9
	A1547-N048	1,930	No. 48	52	85	56	1,930
	A1547-5/64IN	1,984	5/64"	52	85	56	1,984
	A1547-N047	1,994	No. 47	52	85	56	1,994
	A1547-2	2		52	85	56	2
	A1547-N046	2,057	No. 46	52	85	56	2,057
	A1547-N045	2,083	No. 45	52	85	56	2,083
	A1547-2.1	2,1		52	85	56	2,1
	A1547-N044	2,184	No. 44	55	90	59	2,184
	A1547-2.2	2,2		55	90	59	2,2
	A1547-N043	2,261	No. 43	55	90	59	2,261
A1547-2.3	2,3		55	90	59	2,3	
A1547-N042	2,375	No. 42	58	95	62	2,375	
A1547-3/32IN	2,381	3/32"	58	95	62	2,381	

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1547-2.4	2,4		58	95	62	2,4
	A1547-N041	2,438	No. 41	58	95	62	2,438
	A1547-N040	2,489	No. 40	58	95	62	2,489
	A1547-2.5	2,5		58	95	62	2,5
	A1547-N038	2,578	No. 38	58	95	62	2,578
	A1547-2.6	2,6		58	95	62	2,6
	A1547-N037	2,642	No. 37	58	95	62	2,642
	A1547-2.7	2,7		61	100	66	2,7
	A1547-7/64IN	2,778	7/64"	61	100	66	2,778
	A1547-N035	2,794	No. 35	61	100	66	2,794
	A1547-2.8	2,8		61	100	66	2,8
	A1547-N033	2,870	No. 33	61	100	66	2,87
	A1547-2.9	2,9		61	100	66	2,9
	A1547-N032	2,946	No. 32	61	100	66	2,946
	A1547-3	3		61	100	66	3
	A1547-N031	3,048	No. 31	63	106	69	3,048
	A1547-3.1	3,1		63	106	69	3,1
	A1547-1/8IN	3,175	1/8"	63	106	69	3,175
	A1547-3.2	3,2		63	106	69	3,2
	A1547-N030	3,264	No. 30	63	106	69	3,264
	A1547-3.3	3,3		63	106	69	3,3
	A1547-3.4	3,4		67	112	73	3,4
	A1547-3.5	3,5		67	112	73	3,5
	A1547-9/64IN	3,572	9/64"	67	112	73	3,572
	A1547-3.6	3,6		67	112	73	3,6
	A1547-3.7	3,7		67	112	73	3,7
	A1547-3.8	3,8		71	119	78	3,8
	A1547-3.9	3,9		71	119	78	3,9
	A1547-5/32IN	3,969	5/32"	71	119	78	3,969
	A1547-4	4		71	119	78	4
A1547-4.1	4,1		71	119	78	4,1	
A1547-4.2	4,2		71	119	78	4,2	
A1547-4.3	4,3		74	126	82	4,3	
A1547-11/64IN	4,366	11/64"	74	126	82	4,366	
A1547-4.4	4,4		74	126	82	4,4	
A1547-4.5	4,5		74	126	82	4,5	
A1547-4.6	4,6		74	126	82	4,6	
A1547-4.7	4,7		74	126	82	4,7	
A1547-3/16IN	4,763	3/16"	79	132	87	4,763	
A1547-4.8	4,8		79	132	87	4,8	
A1547-4.9	4,9		79	132	87	4,9	
A1547-5	5		79	132	87	5	
A1547-5.1	5,1		79	132	87	5,1	
A1547-13/64IN	5,159	13/64"	79	132	87	5,159	
A1547-5.2	5,2		79	132	87	5,2	
A1547-5.4	5,4		82	139	91	5,4	

B1

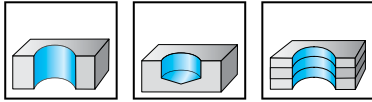
●● Primary application   ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1547-5.5	5,5		82	139	91	5,5
	A1547-7/32IN	5,556	7/32"	82	139	91	5,556
	A1547-5.6	5,6		82	139	91	5,6
	A1547-5.7	5,7		82	139	91	5,7
	A1547-5.8	5,8		82	139	91	5,8
	A1547-5.9	5,9		82	139	91	5,9
	A1547-15/64IN	5,953	15/64"	82	139	91	5,953
	A1547-6	6		82	139	91	6
	A1547-6.1	6,1		86	148	97	6,1
	A1547-6.2	6,2		86	148	97	6,2
A1547-6.3	6,3		86	148	97	6,3	
A1547-1/4IN	6,350	1/4"	86	148	97	6,35	
A1547-6.4	6,4		86	148	97	6,4	
A1547-6.5	6,5		86	148	97	6,5	
A1547-6.6	6,6		86	148	97	6,6	
A1547-6.7	6,7		86	148	97	6,7	
A1547-17/64IN	6,747	17/64"	90	156	102	6,747	
A1547-6.8	6,8		90	156	102	6,8	
A1547-7	7		90	156	102	7	
A1547-9/32IN	7,144	9/32"	90	156	102	7,144	
A1547-7.2	7,2		90	156	102	7,2	
A1547-7.4	7,4		90	156	102	7,4	
A1547-7.5	7,5		90	156	102	7,5	
A1547-7.6	7,6		96	165	109	7,6	
A1547-7.7	7,7		96	165	109	7,7	
A1547-7.8	7,8		96	165	109	7,8	
A1547-7.9	7,9		96	165	109	7,9	
A1547-5/16IN	7,938	5/16"	96	165	109	7,938	
A1547-8	8		96	165	109	8	
A1547-8.1	8,1		96	165	109	8,1	
A1547-8.2	8,2		96	165	109	8,2	
A1547-8.3	8,3		96	165	109	8,3	
A1547-21/64IN	8,334	21/64"	96	165	109	8,334	
A1547-8.5	8,5		96	165	109	8,5	
A1547-8.6	8,6		100	175	115	8,6	
A1547-8.7	8,7		100	175	115	8,7	
A1547-11/32IN	8,731	11/32"	100	175	115	8,731	
A1547-8.8	8,8		100	175	115	8,8	
A1547-9	9		100	175	115	9	
A1547-23/64IN	9,128	23/64"	100	175	115	9,128	
A1547-3/8IN	9,525	3/8"	105	184	121	9,525	
A1547-25/64IN	9,922	25/64"	105	184	121	9,922	
A1547-10	10		105	184	121	10	
A1547-10.2	10,2		105	184	121	10,2	
A1547-13/32IN	10,319	13/32"	105	184	121	10,319	
A1547-10.5	10,5		105	184	121	10,5	
<p>Cylindrical shank</p>	A1547-27/64IN	10,716	27/64"	110	195	128	10,716
	A1547-11	11		110	195	128	11
	A1547-7/16IN	11,113	7/16"	110	195	128	11,113
	A1547-11.5	11,5		110	195	128	11,5
	A1547-15/32IN	11,906	15/32"	120	205	134	11,906
	A1547-12	12		120	205	134	12
	A1547-31/64IN	12,303	31/64"	120	205	134	12,303
	A1547-1/2IN	12,700	1/2"	120	205	134	12,7

# HSS-E twist drills, long

## A1544

### VA



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
	A1544-1	1	31	56	33	1
	A1544-1.1	1.1	35	60	37	1.1
	A1544-1.2	1.2	39	65	41	1.2
	A1544-1.3	1.3	39	65	41	1.3
	A1544-1.4	1.4	42	70	45	1.4
	A1544-1.5	1.5	42	70	45	1.5
	A1544-1.6	1.6	47	76	50	1.6
	A1544-1.7	1.7	47	76	50	1.7
	A1544-1.8	1.8	50	80	53	1.8
	A1544-1.9	1.9	50	80	53	1.9
	A1544-2	2	52	85	56	2
	A1544-2.1	2.1	52	85	56	2.1
	A1544-2.2	2.2	55	90	59	2.2
	A1544-2.3	2.3	55	90	59	2.3
	A1544-2.4	2.4	58	95	62	2.4
	A1544-2.5	2.5	58	95	62	2.5
	A1544-2.6	2.6	58	95	62	2.6
	A1544-2.7	2.7	61	100	66	2.7
	A1544-2.8	2.8	61	100	66	2.8
	A1544-2.9	2.9	61	100	66	2.9
	A1544-3	3	61	100	66	3
	A1544-3.1	3.1	63	106	69	3.1
	A1544-3.2	3.2	63	106	69	3.2
	A1544-3.3	3.3	63	106	69	3.3
	A1544-3.4	3.4	67	112	73	3.4
	A1544-3.5	3.5	67	112	73	3.5
	A1544-3.6	3.6	67	112	73	3.6
	A1544-3.7	3.7	67	112	73	3.7
	A1544-3.8	3.8	71	119	78	3.8
	A1544-3.9	3.9	71	119	78	3.9
	A1544-4	4	71	119	78	4
	A1544-4.1	4.1	71	119	78	4.1
	A1544-4.2	4.2	71	119	78	4.2
	A1544-4.3	4.3	74	126	82	4.3
	A1544-4.4	4.4	74	126	82	4.4
	A1544-4.5	4.5	74	126	82	4.5

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

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

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1544-4.6	4,6	74	126	82	4,6
	A1544-4.7	4,7	74	126	82	4,7
	A1544-4.8	4,8	79	132	87	4,8
	A1544-4.9	4,9	79	132	87	4,9
	A1544-5	5	79	132	87	5
	A1544-5.1	5,1	79	132	87	5,1
	A1544-5.2	5,2	79	132	87	5,2
	A1544-5.3	5,3	79	132	87	5,3
	A1544-5.4	5,4	82	139	91	5,4
	A1544-5.5	5,5	82	139	91	5,5
	A1544-5.6	5,6	82	139	91	5,6
	A1544-5.7	5,7	82	139	91	5,7
	A1544-5.8	5,8	82	139	91	5,8
	A1544-5.9	5,9	82	139	91	5,9
	A1544-6	6	82	139	91	6
	A1544-6.1	6,1	86	148	97	6,1
	A1544-6.2	6,2	86	148	97	6,2
	A1544-6.3	6,3	86	148	97	6,3
	A1544-6.4	6,4	86	148	97	6,4
	A1544-6.5	6,5	86	148	97	6,5
	A1544-6.6	6,6	86	148	97	6,6
	A1544-6.7	6,7	86	148	97	6,7
	A1544-6.8	6,8	90	156	102	6,8
	A1544-6.9	6,9	90	156	102	6,9
	A1544-7	7	90	156	102	7
	A1544-7.1	7,1	90	156	102	7,1
	A1544-7.2	7,2	90	156	102	7,2
	A1544-7.3	7,3	90	156	102	7,3
	A1544-7.4	7,4	90	156	102	7,4
	A1544-7.5	7,5	90	156	102	7,5
	A1544-7.6	7,6	96	165	109	7,6
A1544-7.7	7,7	96	165	109	7,7	
A1544-7.8	7,8	96	165	109	7,8	
A1544-7.9	7,9	96	165	109	7,9	
A1544-8	8	96	165	109	8	
A1544-8.1	8,1	96	165	109	8,1	
A1544-8.2	8,2	96	165	109	8,2	
A1544-8.3	8,3	96	165	109	8,3	
A1544-8.4	8,4	96	165	109	8,4	
A1544-8.5	8,5	96	165	109	8,5	
A1544-8.6	8,6	100	175	115	8,6	
A1544-8.7	8,7	100	175	115	8,7	
A1544-8.8	8,8	100	175	115	8,8	
A1544-8.9	8,9	100	175	115	8,9	
A1544-9	9	100	175	115	9	
A1544-9.1	9,1	100	175	115	9,1	



Tool		$D_c$ h8 mm	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ f11 mm
<p>Cylindrical shank</p>	Designation					
	A1544-9.2	9,2	100	175	115	9,2
	A1544-9.3	9,3	100	175	115	9,3
	A1544-9.4	9,4	100	175	115	9,4
	A1544-9.5	9,5	100	175	115	9,5
	A1544-9.6	9,6	105	184	121	9,6
	A1544-9.7	9,7	105	184	121	9,7
	A1544-9.8	9,8	105	184	121	9,8
	A1544-9.9	9,9	105	184	121	9,9
	A1544-10	10	105	184	121	10
	A1544-10.2	10,2	105	184	121	10,2
	A1544-10.5	10,5	105	184	121	10,5
A1544-10.8	10,8	110	195	128	10,8	
A1544-11	11	110	195	128	11	
A1544-11.2	11,2	110	195	128	11,2	
A1544-11.5	11,5	110	195	128	11,5	
A1544-11.8	11,8	110	195	128	11,8	
A1544-12	12	120	205	134	12	

B1

**WALTER SELECT**

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

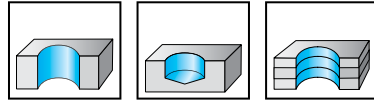
# HSS deep-hole drills, long

## A1522

### UFL®



- Uncoated up to 1.9 mm



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1522-1	1		31	56	33	1
	A1522-N060	1,016	No. 60	31	56	33	1,016
	A1522-N059	1,041	No. 59	31	56	33	1,041
	A1522-N058	1,067	No. 58	35	60	37	1,067
	A1522-N057	1,092	No. 57	35	60	37	1,092
	A1522-1.1	1,1		35	60	37	1,1
	A1522-N056	1,181	No. 56	39	65	41	1,181
	A1522-3/64IN	1,191	3/64"	39	65	41	1,191
	A1522-1.2	1,2		39	65	41	1,2
	A1522-1.3	1,3		39	65	41	1,3
	A1522-N055	1,321	No. 55	42	70	45	1,321
	A1522-N054	1,397	No. 54	42	70	45	1,397
	A1522-1.4	1,4		42	70	45	1,4
	A1522-1.5	1,5		42	70	45	1,5
	A1522-N053	1,511	No. 53	47	76	50	1,511
	A1522-1/16IN	1,588	1/16"	47	76	50	1,588
	A1522-1.6	1,6		47	76	50	1,6
	A1522-N052	1,613	No. 52	47	76	50	1,613
	A1522-1.7	1,7		47	76	50	1,7
	A1522-N051	1,702	No. 51	50	80	53	1,702
	A1522-N050	1,778	No. 50	50	80	53	1,778
	A1522-1.8	1,8		50	80	53	1,8
	A1522-N049	1,854	No. 49	50	80	53	1,854
	A1522-1.9	1,9		50	80	53	1,9
	A1522-N048	1,930	No. 48	52	85	56	1,930
	A1522-5/64IN	1,984	5/64"	52	85	56	1,984
	A1522-N047	1,994	No. 47	52	85	56	1,994
	A1522-2	2		52	85	56	2
	A1522-N046	2,057	No. 46	52	85	56	2,057
	A1522-N045	2,083	No. 45	52	85	56	2,083
	A1522-2.1	2,1		52	85	56	2,1
	A1522-N044	2,184	No. 44	55	90	59	2,184
A1522-2.2	2,2		55	90	59	2,2	
A1522-N043	2,261	No. 43	55	90	59	2,261	
A1522-2.3	2,3		55	90	59	2,3	
A1522-N042	2,375	No. 42	58	95	62	2,375	

**WALTER  
SELECT**

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$d_1$
		h8 mm		mm	mm	mm	f11 mm
<p>Cylindrical shank</p>	A1522-3/32IN	2,381	3/32"	58	95	62	2,381
	A1522-2.4	2,4		58	95	62	2,4
	A1522-N041	2,438	No. 41	58	95	62	2,438
	A1522-N040	2,489	No. 40	58	95	62	2,489
	A1522-2.5	2,5		58	95	62	2,5
	A1522-N039	2,527	No. 39	58	95	62	2,527
	A1522-N038	2,578	No. 38	58	95	62	2,578
	A1522-2.6	2,6		58	95	62	2,6
	A1522-N037	2,642	No. 37	58	95	62	2,642
	A1522-2.7	2,7		61	100	66	2,7
	A1522-N036	2,705	No. 36	61	100	66	2,705
	A1522-7/64IN	2,778	7/64"	61	100	66	2,778
	A1522-N035	2,794	No. 35	61	100	66	2,794
	A1522-2.8	2,8		61	100	66	2,8
	A1522-N034	2,819	No. 34	61	100	66	2,819
	A1522-N033	2,870	No. 33	61	100	66	2,87
	A1522-2.9	2,9		61	100	66	2,9
	A1522-N032	2,946	No. 32	61	100	66	2,946
	A1522-3	3		61	100	66	3
	A1522-N031	3,048	No. 31	63	106	69	3,048
	A1522-3.1	3,1		63	106	69	3,1
	A1522-1/8IN	3,175	1/8"	63	106	69	3,175
	A1522-3.2	3,2		63	106	69	3,2
	A1522-N030	3,264	No. 30	63	106	69	3,264
	A1522-3.3	3,3		63	106	69	3,3
	A1522-3.4	3,4		67	112	73	3,4
	A1522-N029	3,454	No. 29	67	112	73	3,454
	A1522-3.5	3,5		67	112	73	3,5
	A1522-N028	3,569	No. 28	67	112	73	3,569
	A1522-9/64IN	3,572	9/64"	67	112	73	3,572
	A1522-3.6	3,6		67	112	73	3,6
	A1522-N027	3,658	No. 27	67	112	73	3,658
	A1522-3.7	3,7		67	112	73	3,7
	A1522-N026	3,734	No. 26	67	112	73	3,734
A1522-N025	3,797	No. 25	71	119	78	3,797	
A1522-3.8	3,8		71	119	78	3,8	
A1522-N024	3,861	No. 24	71	119	78	3,861	
A1522-3.9	3,9		71	119	78	3,9	
A1522-N023	3,912	No. 23	71	119	78	3,912	
A1522-5/32IN	3,969	5/32"	71	119	78	3,969	
A1522-N022	3,988	No. 22	71	119	78	3,988	
A1522-4	4		71	119	78	4	
A1522-N021	4,039	No. 21	71	119	78	4,039	
A1522-N020	4,089	No. 20	71	119	78	4,089	
A1522-4.1	4,1		71	119	78	4,1	
A1522-4.2	4,2		71	119	78	4,2	

B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1522-N019	4,216	No. 19	71	119	78	4,216
	A1522-4.3	4,3		74	126	82	4,3
	A1522-N018	4,305	No. 18	74	126	82	4,305
	A1522-11/64IN	4,366	11/64"	74	126	82	4,366
	A1522-N017	4,394	No. 17	74	126	82	4,394
	A1522-4.4	4,4		74	126	82	4,4
	A1522-N016	4,496	No. 16	74	126	82	4,496
	A1522-4.5	4,5		74	126	82	4,5
	A1522-N015	4,572	No. 15	74	126	82	4,572
	A1522-4.6	4,6		74	126	82	4,6
	A1522-N014	4,623	No. 14	74	126	82	4,623
	A1522-N013	4,699	No. 13	74	126	82	4,699
	A1522-4.7	4,7		74	126	82	4,7
	A1522-3/16IN	4,763	3/16"	79	132	87	4,763
	A1522-4.8	4,8		79	132	87	4,8
	A1522-N011	4,851	No. 11	79	132	87	4,851
	A1522-4.9	4,9		79	132	87	4,9
	A1522-N010	4,915	No. 10	79	132	87	4,915
	A1522-N09	4,978	No. 09	79	132	87	4,978
	A1522-5	5		79	132	87	5
	A1522-N08	5,055	No. 08	79	132	87	5,055
	A1522-5.1	5,1		79	132	87	5,1
	A1522-N07	5,105	No. 07	79	132	87	5,105
	A1522-13/64IN	5,159	13/64"	79	132	87	5,159
	A1522-N06	5,182	No. 06	79	132	87	5,182
	A1522-5.2	5,2		79	132	87	5,2
	A1522-N05	5,220	No. 05	79	132	87	5,22
	A1522-5.3	5,3		79	132	87	5,3
	A1522-N04	5,309	No. 04	82	139	91	5,309
	A1522-5.4	5,4		82	139	91	5,4
	A1522-N03	5,410	No. 03	82	139	91	5,41
	A1522-5.5	5,5		82	139	91	5,5
	A1522-7/32IN	5,556	7/32"	82	139	91	5,556
	A1522-5.6	5,6		82	139	91	5,6
A1522-N02	5,613	No. 02	82	139	91	5,613	
A1522-5.7	5,7		82	139	91	5,7	
A1522-N01	5,791	No. 01	82	139	91	5,791	
A1522-5.8	5,8		82	139	91	5,8	
A1522-5.9	5,9		82	139	91	5,9	
A1522-15/64IN	5,953	15/64"	82	139	91	5,953	
A1522-6	6		82	139	91	6	
A1522-6.1	6,1		86	148	97	6,1	
A1522-6.2	6,2		86	148	97	6,2	
A1522-6.3	6,3		86	148	97	6,3	
A1522-1/4IN	6,350	1/4"	86	148	97	6,35	
A1522-6.4	6,4		86	148	97	6,4	

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1522-6.5	6,5		86	148	97	6,5
	A1522-6.6	6,6		86	148	97	6,6
	A1522-6.7	6,7		86	148	97	6,7
	A1522-17/64IN	6,747	17/64"	90	156	102	6,747
	A1522-6.8	6,8		90	156	102	6,8
	A1522-6.9	6,9		90	156	102	6,9
	A1522-7	7		90	156	102	7
	A1522-7.1	7,1		90	156	102	7,1
	A1522-9/32IN	7,144	9/32"	90	156	102	7,144
	A1522-7.2	7,2		90	156	102	7,2
	A1522-7.3	7,3		90	156	102	7,3
	A1522-7.4	7,4		90	156	102	7,4
	A1522-7.5	7,5		90	156	102	7,5
	A1522-19/64IN	7,541	19/64"	96	165	109	7,541
	A1522-7.6	7,6		96	165	109	7,6
	A1522-7.7	7,7		96	165	109	7,7
	A1522-7.8	7,8		96	165	109	7,8
	A1522-7.9	7,9		96	165	109	7,9
	A1522-5/16IN	7,938	5/16"	96	165	109	7,938
	A1522-8	8		96	165	109	8
	A1522-8.1	8,1		96	165	109	8,1
	A1522-8.2	8,2		96	165	109	8,2
	A1522-8.3	8,3		96	165	109	8,3
	A1522-21/64IN	8,334	21/64"	96	165	109	8,334
	A1522-8.4	8,4		96	165	109	8,4
	A1522-8.5	8,5		96	165	109	8,5
	A1522-8.6	8,6		100	175	115	8,6
	A1522-8.7	8,7		100	175	115	8,7
	A1522-11/32IN	8,731	11/32"	100	175	115	8,731
	A1522-8.8	8,8		100	175	115	8,8
	A1522-8.9	8,9		100	175	115	8,9
	A1522-9	9		100	175	115	9
	A1522-9.1	9,1		100	175	115	9,1
A1522-23/64IN	9,128	23/64"	100	175	115	9,128	
A1522-9.2	9,2		100	175	115	9,2	
A1522-9.3	9,3		100	175	115	9,3	
A1522-9.4	9,4		100	175	115	9,4	
A1522-9.5	9,5		100	175	115	9,5	
A1522-3/8IN	9,525	3/8"	105	184	121	9,525	
A1522-9.6	9,6		105	184	121	9,6	
A1522-9.7	9,7		105	184	121	9,7	
A1522-9.8	9,8		105	184	121	9,8	
A1522-9.9	9,9		105	184	121	9,9	
A1522-25/64IN	9,922	25/64"	105	184	121	9,922	
A1522-10	10		105	184	121	10	
A1522-10.2	10,2		105	184	121	10,2	

B1

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

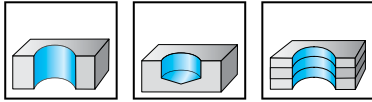
Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1522-13/32IN	10,319	13/32"	105	184	121	10,319
	A1522-10.5	10,5		105	184	121	10,5
	A1522-27/64IN	10,716	27/64"	110	195	128	10,716
	A1522-10.8	10,8		110	195	128	10,8
	A1522-11	11		110	195	128	11
	A1522-7/16IN	11,113	7/16"	110	195	128	11,113
	A1522-11.2	11,2		110	195	128	11,2
	A1522-11.5	11,5		110	195	128	11,5
	A1522-29/64IN	11,509	29/64"	110	195	128	11,509
	A1522-11.8	11,8		110	195	128	11,8
	A1522-15/32IN	11,906	15/32"	120	205	134	11,906
	A1522-12	12		120	205	134	12
	A1522-31/64IN	12,303	31/64"	120	205	134	12,303
	A1522-1/2IN	12,700	1/2"	120	205	134	12,7
	A1522-9/16IN	14,288	9/16"	129	220	144	14,288
	A1522-37/64IN	14,684	37/64"	129	220	144	14,684
	A1522-39/64IN	15,478	39/64"	133	227	149	15,478
	A1522-5/8IN	15,875	5/8"	133	227	149	15,875
	A1522-21/32IN	16,669		137	235	154	16,669
	A1522-11/16IN	17,463		140	241	158	17,463
A1522-3/4IN	19,050	3/4"	146	254	166	19,05	
A1522-25/32IN	19,844		146	254	166	19,844	
A1522-13/16IN	20,638		149	261	171	20,638	
A1522-7/8IN	22,225	7/8"	153	268	176	22,225	

B1

# HSS twist drills, long

## A1511

- Uncoated up to 3 mm  
- Type N



	P	M	K	N	S	H	O
uncoated	●	●	●	●	●		●

B1

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1511-0.5	0,5	11,2	32	12	0,5
	A1511-0.6	0,6	14,1	35	15	0,6
	A1511-0.7	0,7	19,8	42	21	0,7
	A1511-0.8	0,8	23,7	46	25	0,8
	A1511-0.9	0,9	27,5	51	29	0,9
	A1511-1	1	31	56	33	1
	A1511-1.1	1,1	35	60	37	1,1
	A1511-1.2	1,2	39	65	41	1,2
	A1511-1.3	1,3	39	65	41	1,3
	A1511-1.4	1,4	42	70	45	1,4
	A1511-1.5	1,5	42	70	45	1,5
	A1511-1.6	1,6	47	76	50	1,6
	A1511-1.65	1,65	47	76	50	1,65
	A1511-1.7	1,7	47	76	50	1,7
	A1511-1.75	1,75	50	80	53	1,75
	A1511-1.8	1,8	50	80	53	1,8
	A1511-1.9	1,9	50	80	53	1,9
	A1511-2	2	52	85	56	2
	A1511-2.05	2,05	52	85	56	2,05
	A1511-2.1	2,1	52	85	56	2,1
	A1511-2.2	2,2	55	90	59	2,2
	A1511-2.25	2,25	55	90	59	2,25
	A1511-2.3	2,3	55	90	59	2,3
	A1511-2.4	2,4	58	95	62	2,4
	A1511-2.5	2,5	58	95	62	2,5
	A1511-2.6	2,6	58	95	62	2,6
	A1511-2.7	2,7	61	100	66	2,7
	A1511-2.8	2,8	61	100	66	2,8
	A1511-2.9	2,9	61	100	66	2,9
	A1511-3	3	61	100	66	3
	A1511-3.1	3,1	63	106	69	3,1
	A1511-3.15	3,15	63	106	69	3,15
	A1511-3.2	3,2	63	106	69	3,2
	A1511-3.3	3,3	63	106	69	3,3
	A1511-3.4	3,4	67	112	73	3,4
A1511-3.5	3,5	67	112	73	3,5	

WALTER  
SELECT

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

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1511-3.6	3,6	67	112	73	3,6
	A1511-3.7	3,7	67	112	73	3,7
	A1511-3.8	3,8	71	119	78	3,8
	A1511-3.9	3,9	71	119	78	3,9
	A1511-4	4	71	119	78	4
	A1511-4.1	4,1	71	119	78	4,1
	A1511-4.2	4,2	71	119	78	4,2
	A1511-4.25	4,25	71	119	78	4,25
	A1511-4.3	4,3	74	126	82	4,3
	A1511-4.4	4,4	74	126	82	4,4
	A1511-4.5	4,5	74	126	82	4,5
	A1511-4.6	4,6	74	126	82	4,6
	A1511-4.7	4,7	74	126	82	4,7
	A1511-4.75	4,75	74	126	82	4,75
	A1511-4.8	4,8	79	132	87	4,8
	A1511-4.9	4,9	79	132	87	4,9
	A1511-5	5	79	132	87	5
	A1511-5.1	5,1	79	132	87	5,1
	A1511-5.2	5,2	79	132	87	5,2
	A1511-5.25	5,25	79	132	87	5,25
	A1511-5.3	5,3	79	132	87	5,3
	A1511-5.4	5,4	82	139	91	5,4
	A1511-5.5	5,5	82	139	91	5,5
	A1511-5.6	5,6	82	139	91	5,6
	A1511-5.7	5,7	82	139	91	5,7
	A1511-5.75	5,75	82	139	91	5,75
	A1511-5.8	5,8	82	139	91	5,8
	A1511-5.9	5,9	82	139	91	5,9
	A1511-6	6	82	139	91	6
	A1511-6.1	6,1	86	148	97	6,1
	A1511-6.2	6,2	86	148	97	6,2
	A1511-6.3	6,3	86	148	97	6,3
A1511-6.4	6,4	86	148	97	6,4	
A1511-6.5	6,5	86	148	97	6,5	
A1511-6.6	6,6	86	148	97	6,6	
A1511-6.7	6,7	86	148	97	6,7	
A1511-6.75	6,75	90	156	102	6,75	
A1511-6.8	6,8	90	156	102	6,8	
A1511-6.9	6,9	90	156	102	6,9	
A1511-7	7	90	156	102	7	
A1511-7.1	7,1	90	156	102	7,1	
A1511-7.2	7,2	90	156	102	7,2	
A1511-7.25	7,25	90	156	102	7,25	
A1511-7.3	7,3	90	156	102	7,3	
A1511-7.4	7,4	90	156	102	7,4	
A1511-7.5	7,5	90	156	102	7,5	



Tool		D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1511-7.6	7,6	96	165	109	7,6
	A1511-7.7	7,7	96	165	109	7,7
	A1511-7.8	7,8	96	165	109	7,8
	A1511-7.9	7,9	96	165	109	7,9
	A1511-8	8	96	165	109	8
	A1511-8.1	8,1	96	165	109	8,1
	A1511-8.2	8,2	96	165	109	8,2
	A1511-8.3	8,3	96	165	109	8,3
	A1511-8.4	8,4	96	165	109	8,4
	A1511-8.5	8,5	96	165	109	8,5
	A1511-8.6	8,6	100	175	115	8,6
	A1511-8.7	8,7	100	175	115	8,7
	A1511-8.75	8,75	100	175	115	8,75
	A1511-8.8	8,8	100	175	115	8,8
	A1511-8.9	8,9	100	175	115	8,9
	A1511-9	9	100	175	115	9
	A1511-9.1	9,1	100	175	115	9,1
	A1511-9.2	9,2	100	175	115	9,2
	A1511-9.25	9,25	100	175	115	9,25
	A1511-9.3	9,3	100	175	115	9,3
	A1511-9.4	9,4	100	175	115	9,4
	A1511-9.5	9,5	100	175	115	9,5
A1511-9.6	9,6	105	184	121	9,6	
A1511-9.7	9,7	105	184	121	9,7	
A1511-9.75	9,75	105	184	121	9,75	
A1511-9.8	9,8	105	184	121	9,8	
A1511-9.9	9,9	105	184	121	9,9	
A1511-10	10	105	184	121	10	
A1511-10.1	10,1	105	184	121	10,1	
A1511-10.2	10,2	105	184	121	10,2	
A1511-10.3	10,3	105	184	121	10,3	
A1511-10.4	10,4	105	184	121	10,4	
A1511-10.5	10,5	105	184	121	10,5	
A1511-10.7	10,7	110	195	128	10,7	
A1511-10.8	10,8	110	195	128	10,8	
A1511-11	11	110	195	128	11	
A1511-11.5	11,5	110	195	128	11,5	
A1511-11.8	11,8	110	195	128	11,8	
A1511-12	12	120	205	134	12	
A1511-12.5	12,5	120	205	134	12,5	
A1511-13	13	120	205	134	13	
A1511-13.5	13,5	126	214	140	13,5	
A1511-14	14	126	214	140	14	
A1511-14.5	14,5	129	220	144	14,5	
A1511-15	15	129	220	144	15	
A1511-15.5	15,5	133	227	149	15,5	
A1511-16	16	133	227	149	16	
A1511-17	17	137	235	154	17	
A1511-18	18	140	241	158	18	
A1511-19	19	143	247	162	19	
A1511-20	20	146	254	166	20	
A1511-21	21	149	261	171	21	
A1511-22	22	153	268	176	22	

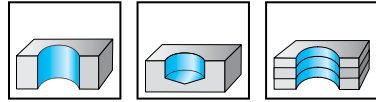
B1

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

# HSS deep-hole drills, extra long

## A1622

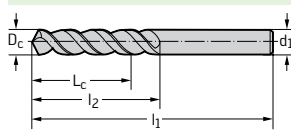
### UFL®



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

B1

### Tool



Cylindrical shank

Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
A1622-2	2		81	125	85	2
A1622-2.1	2,1		81	125	85	2,1
A1622-2.2	2,2		86	135	90	2,2
A1622-2.3	2,3		86	135	90	2,3
A1622-3/32IN	2,381	3/32"	91	140	95	2,381
A1622-2.4	2,4		91	140	95	2,4
A1622-N040	2,489	No. 40	91	140	95	2,489
A1622-2.5	2,5		91	140	95	2,5
A1622-N039	2,527	No. 39	91	140	95	2,527
A1622-N038	2,578	No. 38	91	140	95	2,578
A1622-2.6	2,6		91	140	95	2,6
A1622-N037	2,642	No. 37	91	140	95	2,642
A1622-2.7	2,7		95	150	100	2,7
A1622-N036	2,705	No. 36	95	150	100	2,705
A1622-7/64IN	2,778	7/64"	95	150	100	2,778
A1622-N035	2,794	No. 35	95	150	100	2,794
A1622-2.8	2,8		95	150	100	2,8
A1622-N034	2,819	No. 34	95	150	100	2,819
A1622-N033	2,870	No. 33	95	150	100	2,87
A1622-2.9	2,9		95	150	100	2,9
A1622-N032	2,946	No. 32	95	150	100	2,946
A1622-3	3		95	150	100	3
A1622-N031	3,048	No. 31	99	155	105	3,048
A1622-3.1	3,1		99	155	105	3,1
A1622-1/8IN	3,175	1/8"	99	155	105	3,175
A1622-3.2	3,2		99	155	105	3,2
A1622-N030	3,264	No. 30	99	155	105	3,264
A1622-3.3	3,3		99	155	105	3,3
A1622-3.4	3,4		109	165	115	3,4
A1622-N029	3,454	No. 29	109	165	115	3,454
A1622-3.5	3,5		109	165	115	3,5
A1622-N028	3,569	No. 28	109	165	115	3,569
A1622-9/64IN	3,572	9/64"	109	165	115	3,572
A1622-3.6	3,6		109	165	115	3,6
A1622-N027	3,658	No. 27	109	165	115	3,658
A1622-3.7	3,7		109	165	115	3,7

**WALTER  
SELECT**

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

Tool	Designation	$D_c$	$D_c$ Inch/Nr	$L_c$	$l_1$	$l_2$	$d_1$
		$h_8$ mm		mm	mm	mm	f11 mm
<p>Cylindrical shank</p>	A1622-N026	3,734	No. 26	109	165	115	3,734
	A1622-N025	3,797	No. 25	113	175	120	3,797
	A1622-3.8	3,8		113	175	120	3,8
	A1622-N024	3,861	No. 24	113	175	120	3,861
	A1622-3.9	3,9		113	175	120	3,9
	A1622-N023	3,912	No. 23	113	175	120	3,912
	A1622-5/32IN	3,969	5/32"	113	175	120	3,969
	A1622-N022	3,988	No. 22	113	175	120	3,988
	A1622-4	4		113	175	120	4
	A1622-N021	4,039	No. 21	113	175	120	4,039
	A1622-N020	4,089	No. 20	113	175	120	4,089
	A1622-4.1	4,1		113	175	120	4,1
	A1622-4.2	4,2		113	175	120	4,2
	A1622-N019	4,216	No. 19	113	175	120	4,216
	A1622-4.3	4,3		117	185	125	4,3
	A1622-N018	4,305	No. 18	117	185	125	4,305
	A1622-11/64IN	4,366	11/64"	117	185	125	4,366
	A1622-N017	4,394	No. 17	117	185	125	4,394
	A1622-4.4	4,4		117	185	125	4,4
	A1622-N016	4,496	No. 16	117	185	125	4,496
	A1622-4.5	4,5		117	185	125	4,5
	A1622-N015	4,572	No. 15	117	185	125	4,572
	A1622-4.6	4,6		117	185	125	4,6
	A1622-N014	4,623	No. 14	117	185	125	4,623
	A1622-N013	4,699	No. 13	117	185	125	4,699
	A1622-4.7	4,7		117	185	125	4,7
	A1622-3/16IN	4,763	3/16"	127	195	135	4,763
	A1622-4.8	4,8		127	195	135	4,8
	A1622-N012	4,801	No. 12	127	195	135	4,801
	A1622-N011	4,851	No. 11	127	195	135	4,851
	A1622-4.9	4,9		127	195	135	4,9
	A1622-N010	4,915	No. 10	127	195	135	4,915
	A1622-N09	4,978	No. 09	127	195	135	4,978
A1622-5	5		127	195	135	5	
A1622-N08	5,055	No. 08	127	195	135	5,055	
A1622-5.1	5,1		127	195	135	5,1	
A1622-N07	5,105	No. 07	127	195	135	5,105	
A1622-13/64IN	5,159	13/64"	127	195	135	5,159	
A1622-N06	5,182	No. 06	127	195	135	5,182	
A1622-5.2	5,2		127	195	135	5,2	
A1622-N05	5,220	No. 05	127	195	135	5,22	
A1622-5.3	5,3		127	195	135	5,3	
A1622-N04	5,309	No. 04	131	205	140	5,309	
A1622-5.4	5,4		131	205	140	5,4	
A1622-N03	5,410	No. 03	131	205	140	5,41	
A1622-5.5	5,5		131	205	140	5,5	

B1

**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	h <sub>1</sub> mm	h <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1622-7/32IN	5,556	7/32"	131	205	140	5,556
	A1622-5.6	5,6		131	205	140	5,6
	A1622-N02	5,613	No. 02	131	205	140	5,613
	A1622-5.7	5,7		131	205	140	5,7
	A1622-N01	5,791	No. 01	131	205	140	5,791
	A1622-5.8	5,8		131	205	140	5,8
	A1622-5.9	5,9		131	205	140	5,9
	A1622-15/64IN	5,953	15/64"	131	205	140	5,953
	A1622-6	6		131	205	140	6
	A1622-6.1	6,1		139	215	150	6,1
	A1622-6.2	6,2		139	215	150	6,2
	A1622-6.3	6,3		139	215	150	6,3
	A1622-1/4IN	6,350	1/4"	139	215	150	6,35
	A1622-6.4	6,4		139	215	150	6,4
	A1622-6.5	6,5		139	215	150	6,5
	A1622-6.6	6,6		139	215	150	6,6
	A1622-6.7	6,7		139	215	150	6,7
	A1622-17/64IN	6,747	17/64"	143	225	155	6,747
	A1622-6.8	6,8		143	225	155	6,8
	A1622-6.9	6,9		143	225	155	6,9
	A1622-7	7		143	225	155	7
	A1622-7.1	7,1		143	225	155	7,1
	A1622-9/32IN	7,144	9/32"	143	225	155	7,144
	A1622-7.2	7,2		143	225	155	7,2
	A1622-7.3	7,3		143	225	155	7,3
	A1622-7.4	7,4		143	225	155	7,4
	A1622-7.5	7,5		143	225	155	7,5
	A1622-19/64IN	7,541	19/64"	152	240	165	7,541
	A1622-7.6	7,6		152	240	165	7,6
	A1622-7.7	7,7		152	240	165	7,7
	A1622-7.8	7,8		152	240	165	7,8
	A1622-7.9	7,9		152	240	165	7,9
	A1622-5/16IN	7,938	5/16"	152	240	165	7,938
A1622-8	8		152	240	165	8	
A1622-8.1	8,1		152	240	165	8,1	
A1622-8.2	8,2		152	240	165	8,2	
A1622-8.3	8,3		152	240	165	8,3	
A1622-21/64IN	8,334	21/64"	152	240	165	8,334	
A1622-8.4	8,4		152	240	165	8,4	
A1622-8.5	8,5		152	240	165	8,5	
A1622-8.6	8,6		160	250	175	8,6	
A1622-8.7	8,7		160	250	175	8,7	
A1622-11/32IN	8,731	11/32"	160	250	175	8,731	
A1622-8.8	8,8		160	250	175	8,8	
A1622-8.9	8,9		160	250	175	8,9	
A1622-9	9		160	250	175	9	

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1622-9.1	9,1		160	250	175	9,1
	A1622-23/64IN	9,128	23/64"	160	250	175	9,128
	A1622-9.2	9,2		160	250	175	9,2
	A1622-9.3	9,3		160	250	175	9,3
	A1622-9.4	9,4		160	250	175	9,4
	A1622-9.5	9,5		160	250	175	9,5
	A1622-3/8IN	9,525	3/8"	169	265	185	9,525
	A1622-9.6	9,6		169	265	185	9,6
	A1622-9.7	9,7		169	265	185	9,7
	A1622-9.8	9,8		169	265	185	9,8
	A1622-9.9	9,9		169	265	185	9,9
	A1622-25/64IN	9,922	25/64"	169	265	185	9,922
	A1622-10	10		169	265	185	10
	A1622-13/32IN	10,319	13/32"	169	265	185	10,319
	A1622-10.5	10,5		169	265	185	10,5
	A1622-27/64IN	10,716	27/64"	177	280	195	10,716
	A1622-11	11		177	280	195	11
	A1622-7/16IN	11,113	7/16"	177	280	195	11,113
	A1622-11.5	11,5		177	280	195	11,5
	A1622-29/64IN	11,509	29/64"	177	280	195	11,509
	A1622-15/32IN	11,906	15/32"	191	295	205	11,906
	A1622-12	12		191	295	205	12
	A1622-31/64IN	12,303	31/64"	191	295	205	12,303
	A1622-1/2IN	12,700	1/2"	191	295	205	12,7

B1

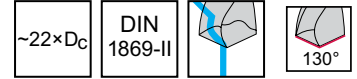
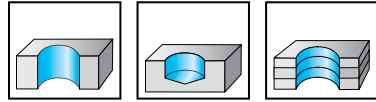
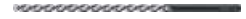
**WALTER SELECT**

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

# HSS deep-hole drills, extra long

A1722

UFL®



B1

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

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	A1722-3	3	125	190	130	3
	A1722-3.5	3,5	139	210	145	3,5
	A1722-4	4	143	220	150	4
	A1722-4.5	4,5	152	235	160	4,5
	A1722-5	5	162	245	170	5
	A1722-5.5	5,5	171	260	180	5,5
	A1722-6	6	171	260	180	6
	A1722-6.5	6,5	179	275	190	6,5
	A1722-7	7	188	290	200	7
	A1722-7.5	7,5	188	290	200	7,5
	A1722-8	8	197	305	210	8
	A1722-8.5	8,5	197	305	210	8,5
	A1722-9	9	205	320	220	9
	A1722-9.5	9,5	205	320	220	9,5
	A1722-10	10	219	340	235	10
	A1722-10.5	10,5	219	340	235	10,5
	A1722-11	11	232	360	250	11
A1722-11.5	11,5	232	360	250	11,5	
A1722-12	12	246	380	260	12	

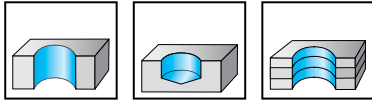
**WALTER SELECT** ●● Primary application   ● Other application

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

# HSS deep-hole drills, extra long

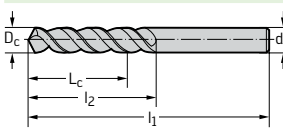
## A1822

### UFL®



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

#### Tool



Cylindrical shank

Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
A1822-3.5	3,5	174	265	180	3,5
A1822-4	4	183	280	190	4
A1822-4.5	4,5	192	295	200	4,5
A1822-5	5	202	315	210	5
A1822-5.5	5,5	216	330	225	5,5
A1822-6	6	216	330	225	6
A1822-6.5	6,5	224	350	235	6,5
A1822-7	7	238	370	250	7
A1822-7.5	7,5	238	370	250	7,5
A1822-8	8	252	390	265	8
A1822-8.5	8,5	252	390	265	8,5
A1822-9	9	265	410	280	9
A1822-9.5	9,5	265	410	280	9,5
A1822-10	10	279	430	295	10
A1822-10.5	10,5	279	430	295	10,5
A1822-11	11	287	450	305	11
A1822-11.5	11,5	287	450	305	11,5
A1822-12	12	291	480	305	12

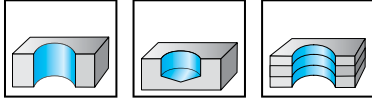
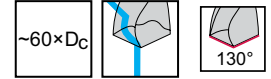
**WALTER  
SELECT**

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

# HSS deep-hole drills, super long

## A1922S

### UFL®



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

B1

Tool		D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	Designation					
	A1922S-6	6	389	500	400	6
	A1922S-6.5	6,5	389	500	400	6,5
	A1922S-7	7	389	500	400	7
	A1922S-8	8	536	650	550	8
	A1922S-9	9	536	650	550	9
	A1922S-10	10	680	800	700	10
	A1922S-11	11	680	800	700	11
	A1922S-12	12	680	800	700	12
	A1922S-13	13	680	800	700	13
	A1922S-14	14	680	800	700	14

**WALTER SELECT**

●● Primary application    ● Other application

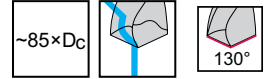
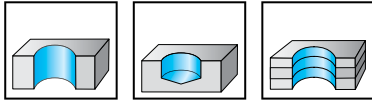
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions



# HSS deep-hole drills, super long

## A1922L

### UFL®



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

Tool		$D_c$ h8 mm	$L_c$ mm	$l_1$ mm	$l_2$ mm	$d_1$ f11 mm
	Designation					
	A1922L-8	8	685	800	700	8
	A1922L-10	10	769	1.000	800	10
	A1922L-12	12	769	1.000	800	12

Cylindrical shank

**WALTER  
SELECT**

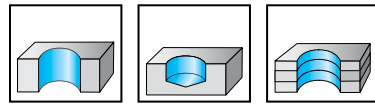
●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

B1

# HSS-E twist drills with Morse taper

## A4244

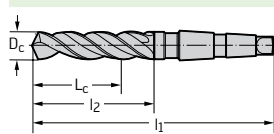
### VA



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

B1

### Tool



Morse taper

Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	MK
A4244-10	10	71	168	87	MK1 B
A4244-10.2	10,2	71	168	87	MK1 B
A4244-10.5	10,5	71	168	87	MK1 B
A4244-10.8	10,8	76	175	94	MK1 B
A4244-11	11	76	175	94	MK1 B
A4244-11.2	11,2	76	175	94	MK1 B
A4244-11.5	11,5	76	175	94	MK1 B
A4244-11.8	11,8	76	175	94	MK1 B
A4244-12	12	87	182	101	MK1 B
A4244-12.2	12,2	87	182	101	MK1 B
A4244-12.5	12,5	87	182	101	MK1 B
A4244-12.8	12,8	87	182	101	MK1 B
A4244-13	13	87	182	101	MK1 B
A4244-13.5	13,5	94	189	108	MK1 B
A4244-13.8	13,8	94	189	108	MK1 B
A4244-14	14	94	189	108	MK1 B
A4244-14.25	14,25	99	212	114	MK2 B
A4244-14.5	14,5	99	212	114	MK2 B
A4244-14.75	14,75	99	212	114	MK2 B
A4244-15	15	99	212	114	MK2 B
A4244-15.25	15,25	104	218	120	MK2 B
A4244-15.5	15,5	104	218	120	MK2 B
A4244-15.75	15,75	104	218	120	MK2 B
A4244-16	16	104	218	120	MK2 B
A4244-16.5	16,5	108	223	125	MK2 B
A4244-16.75	16,75	108	223	125	MK2 B
A4244-17	17	108	223	125	MK2 B
A4244-17.25	17,25	112	228	130	MK2 B
A4244-17.5	17,5	112	228	130	MK2 B
A4244-17.75	17,75	112	228	130	MK2 B
A4244-18	18	112	228	130	MK2 B
A4244-18.25	18,25	116	233	135	MK2 B
A4244-18.5	18,5	116	233	135	MK2 B
A4244-18.75	18,75	116	233	135	MK2 B
A4244-19	19	116	233	135	MK2 B
A4244-19.25	19,25	120	238	140	MK2 B

**WALTER  
SELECT**

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

Tool		D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	MK
<p>Morse taper</p>	Designation					
	A4244-19.5	19,5	120	238	140	MK2 B
	A4244-19.75	19,75	120	238	140	MK2 B
	A4244-20	20	120	238	140	MK2 B
	A4244-20.25	20,25	123	243	145	MK2 B
	A4244-20.5	20,5	123	243	145	MK2 B
	A4244-20.75	20,75	123	243	145	MK2 B
	A4244-21	21	123	243	145	MK2 B
	A4244-21.25	21,25	127	248	150	MK2 B
	A4244-21.5	21,5	127	248	150	MK2 B
	A4244-22	22	127	248	150	MK2 B
	A4244-22.25	22,25	127	248	150	MK2 B
	A4244-22.5	22,5	131	253	155	MK2 B
	A4244-22.75	22,75	131	253	155	MK2 B
	A4244-23	23	131	253	155	MK2 B
	A4244-23.5	23,5	131	276	155	MK3 B
	A4244-24	24	135	281	160	MK3 B
	A4244-24.5	24,5	135	281	160	MK3 B
	A4244-25	25	135	281	160	MK3 B
	A4244-25.5	25,5	138	286	165	MK3 B
	A4244-26	26	138	286	165	MK3 B
	A4244-26.5	26,5	138	286	165	MK3 B
	A4244-27	27	142	291	170	MK3 B
	A4244-28	28	142	291	170	MK3 B
	A4244-29	29	145	296	175	MK3 B
	A4244-29.5	29,5	145	296	175	MK3 B
	A4244-30	30	145	296	175	MK3 B
	A4244-30.5	30,5	148	301	180	MK3 B
	A4244-31	31	148	301	180	MK3 B
	A4244-31.5	31,5	148	301	180	MK3 B
	A4244-32	32	151	334	185	MK4 B

B1

**WALTER SELECT**

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

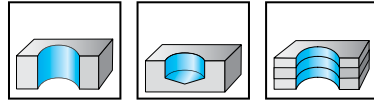
# HSS-E twist drills with Morse taper

## A4247

### Alpha® XE



– Uncoated from 23.02 mm



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	MK
<p>Morse taper</p>	A4247-10	10	71	168	87	MK1 B
	A4247-10.2	10,2	71	168	87	MK1 B
	A4247-10.5	10,5	71	168	87	MK1 B
	A4247-10.8	10,8	76	175	94	MK1 B
	A4247-11	11	76	175	94	MK1 B
	A4247-11.5	11,5	76	175	94	MK1 B
	A4247-11.8	11,8	76	175	94	MK1 B
	A4247-12	12	87	182	101	MK1 B
	A4247-12.2	12,2	87	182	101	MK1 B
	A4247-12.5	12,5	87	182	101	MK1 B
	A4247-12.8	12,8	87	182	101	MK1 B
	A4247-13	13	87	182	101	MK1 B
	A4247-13.2	13,2	87	182	101	MK1 B
	A4247-13.5	13,5	94	189	108	MK1 B
	A4247-13.8	13,8	94	189	108	MK1 B
	A4247-14	14	94	189	108	MK1 B
	A4247-14.25	14,25	99	212	114	MK2 B
	A4247-14.5	14,5	99	212	114	MK2 B
	A4247-14.75	14,75	99	212	114	MK2 B
	A4247-15	15	99	212	114	MK2 B
	A4247-15.25	15,25	104	218	120	MK2 B
	A4247-15.5	15,5	104	218	120	MK2 B
	A4247-15.75	15,75	104	218	120	MK2 B
	A4247-16	16	104	218	120	MK2 B
	A4247-16.25	16,25	108	223	125	MK2 B
	A4247-16.5	16,5	108	223	125	MK2 B
	A4247-16.75	16,75	108	223	125	MK2 B
	A4247-17	17	108	223	125	MK2 B
	A4247-17.25	17,25	112	228	130	MK2 B
	A4247-17.5	17,5	112	228	130	MK2 B
	A4247-17.75	17,75	112	228	130	MK2 B
	A4247-18	18	112	228	130	MK2 B
	A4247-18.25	18,25	116	233	135	MK2 B
A4247-18.5	18,5	116	233	135	MK2 B	
A4247-18.75	18,75	116	233	135	MK2 B	
A4247-19	19	116	233	135	MK2 B	

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	MK
<p>Morse taper</p>	A4247-19.25	19,25	120	238	140	MK2 B
	A4247-19.5	19,5	120	238	140	MK2 B
	A4247-19.75	19,75	120	238	140	MK2 B
	A4247-20	20	120	238	140	MK2 B
	A4247-20.25	20,25	123	243	145	MK2 B
	A4247-20.5	20,5	123	243	145	MK2 B
	A4247-20.75	20,75	123	243	145	MK2 B
	A4247-21	21	123	243	145	MK2 B
	A4247-21.25	21,25	127	248	150	MK2 B
	A4247-21.5	21,5	127	248	150	MK2 B
	A4247-21.75	21,75	127	248	150	MK2 B
	A4247-22	22	127	248	150	MK2 B
	A4247-22.25	22,25	127	248	150	MK2 B
	A4247-22.5	22,5	131	253	155	MK2 B
	A4247-22.75	22,75	131	253	155	MK2 B
	A4247-23	23	131	253	155	MK2 B
	A4247-23.5	23,5	131	276	155	MK3 B
	A4247-24	24	135	281	160	MK3 B
	A4247-24.5	24,5	135	281	160	MK3 B
	A4247-25	25	135	281	160	MK3 B
	A4247-25.5	25,5	138	286	165	MK3 B
	A4247-26	26	138	286	165	MK3 B
	A4247-26.5	26,5	138	286	165	MK3 B
	A4247-27	27	142	291	170	MK3 B
	A4247-27.5	27,5	142	291	170	MK3 B
	A4247-28	28	142	291	170	MK3 B
	A4247-28.5	28,5	145	296	175	MK3 B
	A4247-29	29	145	296	175	MK3 B
	A4247-29.5	29,5	145	296	175	MK3 B
	A4247-30	30	145	296	175	MK3 B
	A4247-30.5	30,5	148	301	180	MK3 B
	A4247-31	31	148	301	180	MK3 B
	A4247-31.5	31,5	148	301	180	MK3 B
	A4247-32	32	151	334	185	MK4 B
	A4247-32.5	32,5	151	334	185	MK4 B
	A4247-33	33	151	334	185	MK4 B
	A4247-34	34	154	339	190	MK4 B
	A4247-35	35	154	339	190	MK4 B
	A4247-36	36	157	344	195	MK4 B
	A4247-37	37	157	344	195	MK4 B
A4247-38	38	160	349	200	MK4 B	
A4247-39	39	160	349	200	MK4 B	
A4247-40	40	160	349	200	MK4 B	

B1

**WALTER SELECT**

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

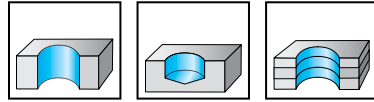
# HSS twist drills with Morse taper, long

## A4422

### UFL®



- Uncoated from 23.02 mm



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	MK
<p>Morse taper</p>	A4422-10	10	100	197	116	MK1 B
	A4422-10.2	10,2	100	197	116	MK1 B
	A4422-10.5	10,5	100	197	116	MK1 B
	A4422-10.8	10,8	107	206	125	MK1 B
	A4422-11	11	107	206	125	MK1 B
	A4422-11.2	11,2	107	206	125	MK1 B
	A4422-11.5	11,5	107	206	125	MK1 B
	A4422-11.8	11,8	107	206	125	MK1 B
	A4422-12	12	120	215	134	MK1 B
	A4422-12.2	12,2	120	215	134	MK1 B
	A4422-12.5	12,5	120	215	134	MK1 B
	A4422-12.8	12,8	120	215	134	MK1 B
	A4422-13	13	120	215	134	MK1 B
	A4422-13.2	13,2	120	215	134	MK1 B
	A4422-13.5	13,5	128	223	142	MK1 B
	A4422-13.8	13,8	128	223	142	MK1 B
	A4422-14	14	128	223	142	MK1 B
	A4422-14.25	14,25	132	245	147	MK2 B
	A4422-14.5	14,5	132	245	147	MK2 B
	A4422-14.75	14,75	132	245	147	MK2 B
	A4422-15	15	132	245	147	MK2 B
	A4422-15.25	15,25	137	251	153	MK2 B
	A4422-15.5	15,5	137	251	153	MK2 B
	A4422-15.75	15,75	137	251	153	MK2 B
	A4422-16	16	137	251	153	MK2 B
	A4422-16.25	16,25	142	257	159	MK2 B
	A4422-16.5	16,5	142	257	159	MK2 B
	A4422-16.75	16,75	142	257	159	MK2 B
	A4422-17	17	142	257	159	MK2 B
	A4422-17.5	17,5	147	263	165	MK2 B
	A4422-17.75	17,75	147	263	165	MK2 B
	A4422-18	18	147	263	165	MK2 B
	A4422-18.25	18,25	152	269	171	MK2 B
A4422-18.5	18,5	152	269	171	MK2 B	
A4422-18.75	18,75	152	269	171	MK2 B	
A4422-19	19	152	269	171	MK2 B	

**WALTER  
SELECT**

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

Tool		D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	MK
<p>Morse taper</p>	Designation					
	A4422-19.25	19,25	157	275	177	MK2 B
	A4422-19.5	19,5	157	275	177	MK2 B
	A4422-19.75	19,75	157	275	177	MK2 B
	A4422-20	20	157	275	177	MK2 B
	A4422-20.5	20,5	162	282	184	MK2 B
	A4422-21	21	162	282	184	MK2 B
	A4422-21.5	21,5	168	289	191	MK2 B
	A4422-22	22	168	289	191	MK2 B
	A4422-22.5	22,5	174	296	198	MK2 B
	A4422-23	23	174	296	198	MK2 B
	A4422-23.5	23,5	174	319	198	MK3 B
	A4422-24	24	181	327	206	MK3 B
	A4422-24.5	24,5	181	327	206	MK3 B
	A4422-25	25	181	327	206	MK3 B
	A4422-26	26	187	335	214	MK3 B
	A4422-27	27	194	343	222	MK3 B
	A4422-28	28	194	343	222	MK3 B
	A4422-29	29	200	351	230	MK3 B
	A4422-30	30	200	351	230	MK3 B
A4422-31	31	207	360	239	MK3 B	

B1

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

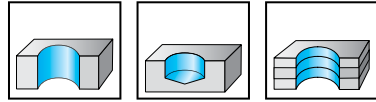
# HSS drills with Morse taper, extra long

A4622

UFL®



- Uncoated from 23.02 mm



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

B1

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	MK
<p>Morse taper</p>	A4622-12	12	191	310	205	MK1 B
	A4622-12.5	12,5	191	310	205	MK1 B
	A4622-13	13	191	310	205	MK1 B
	A4622-13.5	13,5	206	325	220	MK1 B
	A4622-14	14	206	325	220	MK1 B
	A4622-14.5	14,5	205	340	220	MK2 B
	A4622-15	15	205	340	220	MK2 B
	A4622-15.5	15,5	214	355	230	MK2 B
	A4622-16	16	214	355	230	MK2 B
	A4622-16.5	16,5	213	355	230	MK2 B
	A4622-17	17	213	355	230	MK2 B
	A4622-17.5	17,5	227	370	245	MK2 B
	A4622-18	18	227	370	245	MK2 B
	A4622-18.5	18,5	226	370	245	MK2 B
	A4622-19	19	226	370	245	MK2 B
	A4622-19.5	19,5	240	385	260	MK2 B
	A4622-20	20	240	385	260	MK2 B
	A4622-21	21	238	385	260	MK2 B
	A4622-22	22	247	405	270	MK2 B
	A4622-23	23	246	405	270	MK2 B
	A4622-24	24	265	440	290	MK3 B
	A4622-25	25	265	440	290	MK3 B
	A4622-26	26	263	440	290	MK3 B
	A4622-27	27	277	460	305	MK3 B
	A4622-28	28	277	460	305	MK3 B
	A4622-29	29	275	460	305	MK3 B
	A4622-30	30	275	460	305	MK3 B

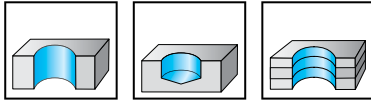
**WALTER SELECT** ●● Primary application ● Other application

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



# HSS drills with Morse taper, extra long A4611

- Type N



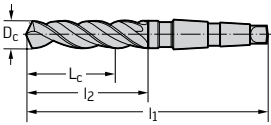
	P	M	K	N	S	H	O
uncoated	●	●	●	●	●		●

B1

Tool	Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	MK
<p>Morse taper</p>	A4611-8	8	152	265	165	MK1 B
	A4611-9	9	160	275	175	MK1 B
	A4611-10	10	169	285	185	MK1 B
	A4611-10.5	10,5	169	285	185	MK1 B
	A4611-11	11	177	300	195	MK1 B
	A4611-11.5	11,5	177	300	195	MK1 B
	A4611-14	14	206	325	220	MK1 B
	A4611-15	15	205	340	220	MK2 B
	A4611-15.5	15,5	214	355	230	MK2 B
	A4611-16	16	214	355	230	MK2 B
	A4611-16.5	16,5	213	355	230	MK2 B
	A4611-17	17	213	355	230	MK2 B
	A4611-17.5	17,5	227	370	245	MK2 B
	A4611-18	18	227	370	245	MK2 B
	A4611-19	19	226	370	245	MK2 B
	A4611-19.5	19,5	240	385	260	MK2 B
	A4611-20	20	240	385	260	MK2 B
	A4611-20.5	20,5	238	385	260	MK2 B
	A4611-21	21	238	385	260	MK2 B
	A4611-21.5	21,5	247	405	270	MK2 B
	A4611-22	22	247	405	270	MK2 B
	A4611-22.5	22,5	246	405	270	MK2 B
	A4611-23	23	246	405	270	MK2 B
	A4611-23.5	23,5	246	425	270	MK3 B
	A4611-24	24	265	440	290	MK3 B
	A4611-24.5	24,5	265	440	290	MK3 B
	A4611-25	25	265	440	290	MK3 B
	A4611-25.5	25,5	263	440	290	MK3 B
	A4611-26	26	263	440	290	MK3 B
	A4611-26.5	26,5	263	440	290	MK3 B
	A4611-27	27	277	460	305	MK3 B
	A4611-28	28	277	460	305	MK3 B
A4611-29	29	275	460	305	MK3 B	
A4611-30	30	275	460	305	MK3 B	
A4611-31	31	288	480	320	MK3 B	
A4611-32	32	286	505	320	MK4 B	

WALTER  
SELECT

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

Tool		$D_c$ h8 mm	$L_c$ mm	$l_1$ mm	$l_2$ mm	MK
 <p>Morse taper</p>	Designation					
	A4611-33	33	286	505	320	MK4 B
	A4611-34	34	304	530	340	MK4 B
	A4611-35	35	304	530	340	MK4 B
	A4611-38	38	320	555	360	MK4 B
	A4611-39	39	320	555	360	MK4 B
	A4611-40	40	320	555	360	MK4 B

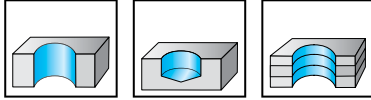
B1

# HSS drills with Morse taper, extra long

## A4722

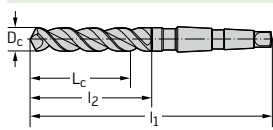
### UFL®

- Uncoated from 23.02 mm



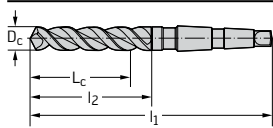
	P	M	K	N	S	H	O
uncoated	●●	●	●●	●●	●		●

### Tool



Morse taper

Designation	D <sub>c</sub> h8 mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	MK
A4722-8	8	197	330	210	MK1 B
A4722-8.5	8,5	197	330	210	MK1 B
A4722-9	9	205	345	220	MK1 B
A4722-10	10	219	360	235	MK1 B
A4722-10.5	10,5	219	360	235	MK1 B
A4722-11	11	232	375	250	MK1 B
A4722-11.5	11,5	232	375	250	MK1 B
A4722-12	12	246	395	260	MK1 B
A4722-12.5	12,5	246	395	260	MK1 B
A4722-13	13	246	395	260	MK1 B
A4722-13.5	13,5	261	410	275	MK1 B
A4722-14	14	261	410	275	MK1 B
A4722-14.5	14,5	260	425	275	MK2 B
A4722-15	15	260	425	275	MK2 B
A4722-15.5	15,5	279	445	295	MK2 B
A4722-16	16	279	445	295	MK2 B
A4722-16.5	16,5	278	445	295	MK2 B
A4722-17	17	278	445	295	MK2 B
A4722-17.5	17,5	292	465	310	MK2 B
A4722-18	18	292	465	310	MK2 B
A4722-18.5	18,5	291	465	310	MK2 B
A4722-19	19	291	465	310	MK2 B
A4722-19.5	19,5	305	490	325	MK2 B
A4722-20	20	305	490	325	MK2 B
A4722-21	21	303	490	325	MK2 B
A4722-22	22	322	515	345	MK2 B
A4722-23	23	321	515	345	MK2 B
A4722-24	24	340	555	365	MK3 B
A4722-25	25	340	555	365	MK3 B
A4722-26	26	338	555	365	MK3 B
A4722-27	27	357	580	385	MK3 B
A4722-28	28	357	580	385	MK3 B
A4722-29	29	355	580	385	MK3 B
A4722-30	30	355	580	385	MK3 B
A4722-32	32	376	635	410	MK4 B
A4722-33	33	376	635	410	MK4 B
A4722-34	34	394	665	430	MK4 B
A4722-35	35	394	665	430	MK4 B
A4722-38	38	420	695	460	MK4 B
A4722-40	40	420	695	460	MK4 B



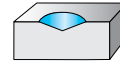
Morse taper

**WALTER  
SELECT**

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

## Solid carbide and HSS NC spot drills

Machining



Standard

Walter

Walter

Walter

Walter

Walter

Countersink angle

90°

120°



Designation

A1174

A1174C

A1114

A1114L

A1114S

Additional services



Cutting tool material

Solid carbide

Solid carbide

HSS

HSS

HSS

Coating / grade

uncoated

uncoated

uncoated

uncoated

uncoated

Shank

Cylindrical shank

Cylindrical shank

Cylindrical shank

Cylindrical shank

Cylindrical shank

Diameter range

3–20

3–20

4–20

4–12,7

2–25,4

**P** Steel

●●

●●

●●

**M** Stainless steel

●

●

●

**K** Cast iron

●

●

●●

●●

●●

**N** NF metals

●●

●●

●●

●●

●●

**S** Materials with difficult cutting properties

●●

●●

●

●

●

**H** Hard materials

**O** Other

●●

●●

●●

●●

●●

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QR code


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

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

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

Diameter range 4–20 4–25,4 2–25,4

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

Page in catalogue	B 447	B 449	B 448
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QR code

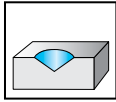
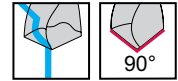


<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	A1115	A1115L	A1115S
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# 90° solid carbide NC spot drills

## A1174

### NC 90°

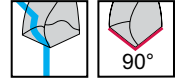
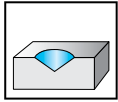


B1

	P	M	K	N	S	H	O
uncoated			●	●●	●●		●●

Tool	Designation	D <sub>c</sub> h6 mm	D <sub>c</sub> Inch/Nr	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h6 mm
 Cylindrical shank	A1174-3	3		46	11	3
	A1174-4	4		55	15	4
	A1174-5	5		62	16	5
	A1174-6	6		66	17	6
	A1174-1/4IN	6,350	1/4"	70	18	6,35
	A1174-8	8		79	22	8
	A1174-3/8IN	9,525	3/8"	89	26	9,525
	A1174-10	10		89	26	10
	A1174-12	12		102	30	12
	A1174-1/2IN	12,700	1/2"	102	30	12,7
	A1174-16	16		115	34	16
	A1174-20	20		131	40	20

# 90° HSS NC spot drills A1115



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

Tool		D <sub>c</sub> h8 mm	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> f11 mm
<p>Cylindrical shank</p>	Designation				
	A1115-4	4	55	18	4
	A1115-5	5	62	21	5
	A1115-6	6	66	22	6
	A1115-8	8	79	30	8
	A1115-10	10	89	34	10
	A1115-12	12	102	41	12
	A1115-16	16	115	46	16
	A1115-20	20	131	53	20

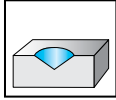
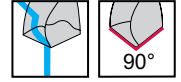
**WALTER SELECT** ●● Primary application ● Other application

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

B1

# 90° HSS NC spot drills

## A1115S



B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h8 mm
<p>Cylindrical shank</p>	A1115S-2	2		40	8	2
	A1115S-3	3		50	10	3
	A1115S-4	4		52	12	4
	A1115S-5	5		60	15	5
	A1115S-6	6		66	20	6
	A1115S-1/4IN	6,350	1/4"	66	20	6,35
	A1115S-8	8		79	25	8
	A1115S-3/8IN	9,525	3/8"	89	25	9,525
	A1115S-10	10		89	25	10
	A1115S-12	12		102	30	12
	A1115S-1/2IN	12,700	1/2"	102	35	12,7
	A1115S-14	14		115	35	14
	A1115S-5/8IN	15,875	5/8"	115	35	15,875
	A1115S-16	16		115	35	16
	A1115S-18	18		130	40	18
	A1115S-3/4IN	19,050	3/4"	131	40	19,05
	A1115S-20	20		131	40	20
	A1115S-1IN	25,400	1.0"	138	45	25,4

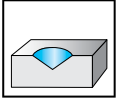
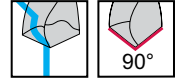
**WALTER  
SELECT**

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



# 90° HSS NC spot drills

## A1115L



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

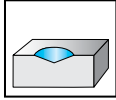
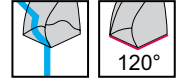
B1

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h8 mm
<p>Cylindrical shank</p>	A1115L-4	4		100	12	4
	A1115L-5	5		120	15	5
	A1115L-6	6		140	20	6
	A1115L-1/4IN	6,350	1/4"	140	20	6,35
	A1115L-8	8		140	25	8
	A1115L-3/8IN	9,525	3/8"	170	25	9,525
	A1115L-10	10		170	25	10
	A1115L-12	12		170	30	12
	A1115L-1/2IN	12,700	1/2"	170	30	12,7
	A1115L-5/8IN	15,875	5/8"	200	35	15,875
	A1115L-3/4IN	19,050	3/4"	200	40	19,05
	A1115L-20	20		200	40	20
	A1115L-1IN	25,400	1.0"	200	40	25,4

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

# 120° solid carbide NC spot drills

**A1174C**  
**NC 120°**



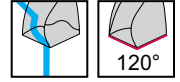
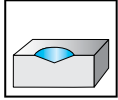
B1

	P	M	K	N	S	H	O
uncoated			●	●●	●●		●●

Tool	Designation	D <sub>c</sub> h6 mm	D <sub>c</sub> Inch/Nr	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h6 mm
<p>Cylindrical shank</p>	A1174C-3	3		46	11	3
	A1174C-4	4		55	15	4
	A1174C-5	5		62	16	5
	A1174C-6	6		66	17	6
	A1174C-1/4IN	6,350	1/4"	70	18	6,35
	A1174C-8	8		79	22	8
	A1174C-3/8IN	9,525	3/8"	89	26	9,525
	A1174C-10	10		89	26	10
	A1174C-12	12		102	30	12
	A1174C-1/2IN	12,700	1/2"	102	30	12,7
	A1174C-16	16		115	34	16
	A1174C-20	20		131	40	20

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

# 120° HSS NC spot drills A1114



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

Tool		$D_c$ h8 mm	$l_1$ mm	$l_2$ mm	$d_1$ f11 mm
<p>Cylindrical shank</p>	Designation				
	A1114-4	4	55	18	4
	A1114-5	5	62	21	5
	A1114-6	6	66	22	6
	A1114-8	8	79	30	8
	A1114-10	10	89	34	10
	A1114-12	12	102	41	12
	A1114-16	16	115	46	16
	A1114-20	20	131	53	20

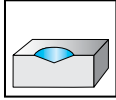
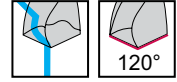
**WALTER SELECT** ●● Primary application ● Other application

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

B1

# 120° HSS NC spot drills

## A1114S

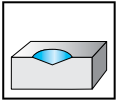
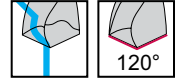


B1

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

Tool	Designation	D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h8 mm
<p>Cylindrical shank</p>	A1114S-2	2		40	8	2
	A1114S-3	3		50	10	3
	A1114S-4	4		52	12	4
	A1114S-5	5		60	15	5
	A1114S-6	6		66	20	6
	A1114S-1/4IN	6,350	1/4"	66	20	6,35
	A1114S-8	8		79	25	8
	A1114S-3/8IN	9,525	3/8"	89	25	9,525
	A1114S-10	10		89	25	10
	A1114S-12	12		102	30	12
	A1114S-1/2IN	12,700	1/2"	102	35	12,7
	A1114S-14	14		115	35	14
	A1114S-5/8IN	15,875	5/8"	115	35	15,875
	A1114S-3/4IN	19,050	3/4"	131	40	19,05
	A1114S-1IN	25,400	1.0"	138	45	25,4

# 120° HSS NC spot drills A1114L



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

B1

Tool		D <sub>c</sub> h8 mm	D <sub>c</sub> Inch/Nr	l <sub>1</sub> mm	l <sub>2</sub> mm	d <sub>1</sub> h8 mm
<p>Cylindrical shank</p>	A1114L-4	4		100	12	4
	A1114L-5	5		120	15	5
	A1114L-6	6		140	20	6
	A1114L-1/4IN	6,350	1/4"	140	20	6,35
	A1114L-8	8		140	25	8
	A1114L-3/8IN	9,525	3/8"	170	25	9,525
	A1114L-10	10		170	25	10
	A1114L-12	12		170	30	12
	A1114L-1/2IN	12,700	1/2"	170	30	12,7

**WALTER  
SELECT**

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

## 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	0,5–6,3	0,5–6,3	1,191–7,938	0,635–7,938	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 catalogue	B 458	B 458	B 467	B 466	B 463
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	0,75-4	2-4	1-4	0,63-6	1-10
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●●
H Hard materials					
O Other	●●	●●	●●	●●	●●
Page in catalogue	B 464	B 465	B 471	B 462	B 468
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	0,5–6,3	2–5	1–5	0,5–10	1,6–5
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●●
H Hard materials					
O Other	●●	●●	●●	●●	●●
Page in catalogue	B 461	B 470	B 469	B 469	B 460
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	K1131	K1114	K1113TIN	K1113	K1112



## Solid carbide and HSS center drills

Machining		
	A	A



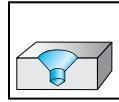
Designation	K1111TIN	K1111
Standard	DIN 333-A	DIN 333-A
Cutting tool material	HSS	HSS
Coating / grade	TIN	uncoated
Shank	Cylindrical shank	Cylindrical shank
Diameter range	1-5	0,5-12,5
<b>P</b> Steel	●●	●●
<b>M</b> Stainless steel	●●	●●
<b>K</b> Cast iron	●●	●●
<b>N</b> NF metals	●●	●●
<b>S</b> Materials with difficult cutting properties	●●	●●
<b>H</b> Hard materials		
<b>O</b> Other	●●	●●
Page in catalogue	B 459	B 459
QR code		
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	K1111TIN	K1111

# Solid carbide centre drills

## K1161XPL / K1161



- For straight contact surfaces in accordance with DIN 332 A  
- Form A



	P	M	K	N	S	H	O
XPL	●●	●●	●●	●●	●●	●●	●●
uncoated	●●	●●	●●	●●	●●	●●	●●

B1

Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
 Cylindrical shank	K1161XPL-0.5	0,5	25	3,15
	K1161XPL-0.8	0,8	25	3,15
	K1161XPL-1	1	31,5	3,15
	K1161XPL-1.25	1,25	31,5	3,15
	K1161XPL-1.6	1,6	35,5	4
	K1161XPL-2	2	40	5
	K1161XPL-2.5	2,5	45	6,3
	K1161XPL-3.15	3,15	50	8
	K1161XPL-4	4	56	10
	K1161XPL-5	5	63	12,5
 Cylindrical shank	K1161-0.5	0,5	25	3,15
	K1161-0.8	0,8	25	3,15
	K1161-1	1	31,5	3,15
	K1161-1.25	1,25	31,5	3,15
	K1161-1.6	1,6	35,5	4
	K1161-2	2	40	5
	K1161-2.5	2,5	45	6,3
	K1161-3.15	3,15	50	8
	K1161-4	4	56	10
	K1161-5	5	63	12,5
K1161-6.3	6,3	71	16	

D<sub>c</sub> 0.5/0.8 mm, single sided

**WALTER**  
**SELECT**

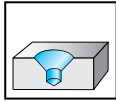
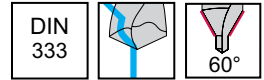
●● Primary application ● Other application  
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

# HSS centre drills

## K1111TIN / K1111



- For straight contact surfaces in accordance with DIN 332 A  
 - Form A



	P	M	K	N	S	H	O
TIN	●●	●●	●●	●●	●●		●●
uncoated	●●	●●	●●	●●	●●		●●

B1

Tool		D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
 Cylindrical shank	K1111TIN-1	1	31,5	3,15
	K1111TIN-1.25	1,25	31,5	3,15
	K1111TIN-1.6	1,6	35,5	4
	K1111TIN-2	2	40	5
	K1111TIN-2.5	2,5	45	6,3
	K1111TIN-3.15	3,15	50	8
	K1111TIN-4	4	56	10
	K1111TIN-5	5	63	12,5
 Cylindrical shank	K1111-0.5	0,5	25	3,15
	K1111-0.8	0,8	25	3,15
	K1111-1	1	31,5	3,15
	K1111-1.25	1,25	31,5	3,15
	K1111-1.6	1,6	35,5	4
	K1111-2	2	40	5
	K1111-2.5	2,5	45	6,3
	K1111-3.15	3,15	50	8
	K1111-4	4	56	10
	K1111-5	5	63	12,5
	K1111-6.3	6,3	71	16
	K1111-8	8	80	20
	K1111-10	10	100	25
	K1111-12.5	12,5	125	31,5

D<sub>c</sub> 0.5/0.8 mm, single sided

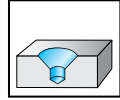
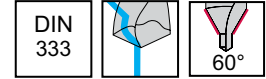
**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

# HSS centre drills

## K1112



- For straight contact surfaces in accordance with DIN 332 A  
- Form A with flat section



B1

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

Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
 Cylindrical shank with flat	K1112-1.6	1,6	35,5	4
	K1112-2	2	40	5
	K1112-2.5	2,5	45	6,3
	K1112-3.15	3,15	50	8
	K1112-4	4	56	10
	K1112-5	5	63	12,5

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

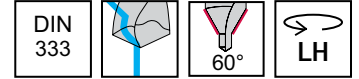
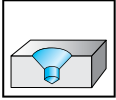
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

# HSS centre drills, left

## K1131



- For straight contact surfaces in accordance with DIN 332 A  
 - Form A



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

B1

Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
<p>Cylindrical shank</p>	K1131-0.5	0,5	25	3,15
	K1131-0.8	0,8	25	3,15
	K1131-1	1	31,5	3,15
	K1131-1.25	1,25	31,5	3,15
	K1131-1.6	1,6	35,5	4
	K1131-2	2	40	5
	K1131-2.5	2,5	45	6,3
	K1131-3.15	3,15	50	8
	K1131-4	4	56	10
	K1131-5	5	63	12,5
	K1131-6.3	6,3	71	16

D<sub>c</sub> 0.5/0.8 mm, single sided

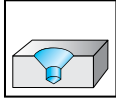
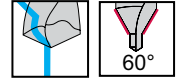
**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

# HSS centre drills

## K1311



- For straight contact surfaces in accordance with DIN 332 A  
- Form A



B1

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

Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
<p>Cylindrical shank</p>	K1311-0.63	0,63	20	3,15
	K1311-0.75	0,75	35	3,5
	K1311-1	1	31,5	4
	K1311-1.5	1,5	40	5
	K1311-1.6	1,6	40	5
	K1311-2	2	45	6
	K1311-2.5	2,5	50	8
	K1311-3	3	56	10
	K1311-3.15	3,15	56	10
	K1311-4	4	66	12
	K1311-5	5	78	14
	K1311-6	6	90	18

D<sub>c</sub> 0.63 mm, single sided

**WALTER SELECT**

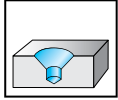
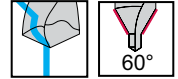
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

●● Primary application ● Other application

# HSS centre drills, extra long K1411S



- For straight contact surfaces in accordance with DIN 332 A  
- Form A



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

B1

Tool		$D_c$ k12 mm	$l_1$ mm	$d_1$ h9 mm
<p>Cylindrical shank</p>	Designation			
	K1411S-0.75X3.5	0,75	60	3,5
	K1411S-1X4	1	60	4
	K1411S-1.5X5	1,5	60	5
	K1411S-2X6	2	80	6
	K1411S-2.5X8	2,5	80	8
	K1411S-3X8	3	80	8
	K1411S-4X10	4	100	10
K1411S-5X14	5	120	14	

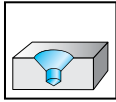
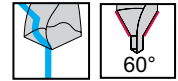
**WALTER SELECT** ●● Primary application ● Other application

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

# HSS centre drills, extra long K1411M



- For straight contact surfaces in accordance with DIN 332 A  
- Form A



B1

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

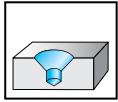
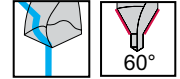
Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
 Cylindrical shank	K1411M-0.75X3.5	0,75	120	3,5
	K1411M-1X4	1	120	4
	K1411M-1.5X5	1,5	120	5
	K1411M-2X6	2	120	6
	K1411M-2.5X8	2,5	120	8
	K1411M-3X8	3	120	8
	K1411M-4X10	4	120	10



# HSS centre drills, extra long K1411L



- For straight contact surfaces in accordance with DIN 332 A  
- Form A



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

B1

Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
<p>Cylindrical shank</p>	K1411L-2X5	2	200	5
	K1411L-2.5X6.3	2,5	200	6,3
	K1411L-3.15X8	3,15	200	8
	K1411L-4X10	4	200	10

**WALTER  
SELECT**

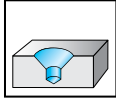
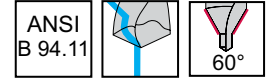
●● Primary application ● Other application  
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

# HSS centre drills

## K1811



- For straight contact surfaces in accordance with DIN 332 A  
- Form A



B1

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

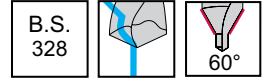
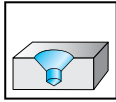
Tool		Designation	Size	D <sub>c</sub> k12 mm	D <sub>c</sub> Inch/Nr	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
<p>Cylindrical shank</p>		K1811-N0.00	NR. 00	0,635	1/8"	31	3,175
		K1811-N0.0	NR. 0	0,794	1/8"	31	3,175
		K1811-N01	NR. 1	1,191	1/8"	31,8	3,175
		K1811-N02	NR. 2	1,984	3/16"	47,6	4,763
		K1811-N03	NR. 3	2,778	1/4"	50,8	6,35
		K1811-N04	NR. 4	3,175	5/16"	54	7,938
		K1811-N05	NR. 5	4,763	7/16"	69,9	11,113
		K1811-N06	NR. 6	5,556	1/2"	76,2	12,7
		K1811-N07	NR. 7	6,35	5/8"	82,6	15,875
	K1811-N08	NR. 8	7,938	3/4"	88,9	19,05	

# HSS centre drills

## K1911



- For straight contact surfaces in accordance with DIN 332 A  
 - Form A



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

### Tool

	Designation	Size	D <sub>c</sub> k12 mm	D <sub>c</sub> Inch/Nr	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
<p>Cylindrical shank</p>	K1911-BS1	B.S. 1	1,191	1/8"	38,1	3,175
	K1911-BS2	B.S. 2	1,588	3/16"	44,5	4,763
	K1911-BS3	B.S. 3	2,381	1/4"	50,8	6,35
	K1911-BS4	B.S. 4	3,175	5/16"	57,2	7,938
	K1911-BS5	B.S. 5	4,763	7/16"	63,5	11,113
	K1911-BS6	B.S. 6	6,35	5/8"	76,2	15,875
	K1911-BS7	B.S. 7	7,938	3/4"	88,9	19,05

**WALTER  
SELECT**

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

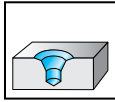
B1

# HSS centre drills

## K1215



- Form B



DIN  
333



120°/60°

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

B1

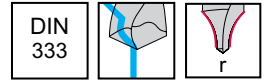
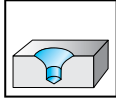
Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
<p>Cylindrical shank</p>	K1215-1	1	31,5	4
	K1215-1.25	1,25	31,5	5
	K1215-1.6	1,6	35,5	6,3
	K1215-2	2	40	8
	K1215-2.5	2,5	45	10
	K1215-3.15	3,15	50	11,2
	K1215-4	4	56	14
	K1215-5	5	63	18
	K1215-6.3	6,3	71	20
	K1215-8	8	80	25
	K1215-10	10	100	31,5

# HSS centre drills

## K1113TIN / K1113



- Form R



	P	M	K	N	S	H	O
TIN	●●	●●	●●	●●	●●		●●
uncoated	●●	●●	●●	●●	●●		●●

Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
Cylindrical shank	K1113TIN-1	1	31,5	3,15
	K1113TIN-1.25	1,25	31,5	3,15
	K1113TIN-1.6	1,6	35,5	4
	K1113TIN-2	2	40	5
	K1113TIN-2.5	2,5	45	6,3
	K1113TIN-3.15	3,15	50	8
	K1113TIN-4	4	56	10
	K1113TIN-5	5	63	12,5
	Cylindrical shank	K1113-0.5	0,5	25
K1113-0.8		0,8	25	3,15
K1113-1		1	31,5	3,15
K1113-1.25		1,25	31,5	3,15
K1113-1.6		1,6	35,5	4
K1113-2		2	40	5
K1113-2.5		2,5	45	6,3
K1113-3.15		3,15	50	8
K1113-4		4	56	10
K1113-5		5	63	12,5
K1113-6.3		6,3	71	16
K1113-8		8	80	20
K1113-10		10	100	25

D<sub>c</sub> 0.5/0.8 mm, single sided

**WALTER SELECT**

●● Primary application ● Other application

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

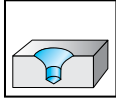
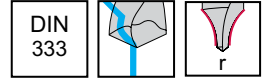
B1

# HSS centre drills

## K1114



– Form R with flat section



B1

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

Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
 Cylindrical shank with flat	K1114-2	2	40	5
	K1114-2.5	2,5	45	6,3
	K1114-3.15	3,15	50	8
	K1114-4	4	56	10
	K1114-5	5	63	12,5

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

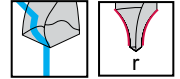
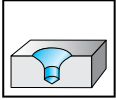
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

# HSS centre drills

## K1313



- Form R



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

Tool	Designation	D <sub>c</sub> k12 mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm
	K1313-1	1	31,5	4
	K1313-1.5	1,5	40	5
	K1313-2	2	45	6
	K1313-2.5	2,5	50	8
	K1313-3	3	56	10
	K1313-4	4	66	12

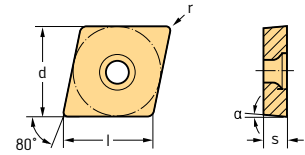
Cylindrical shank

**WALTER  
SELECT**

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

B1

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



## Indexable inserts

B2

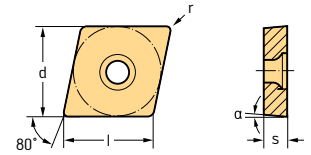
Designation	l mm	r mm	r mm	P					M					K		S			
				HC					HC					HC		HC			
				WPP10G	WPP20G	WPP20S	WSM20S	WMP20S	WPP30G	WSM01	WSM10S	WMP20S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S
CCMT060202-E47	6.45	0.2				☹	☹											☹	☹
CCMT060204-E47	6.45	0.4				☹	☹											☹	☹
CCMT09T302-E47	9.67	0.2				☹	☹											☹	☹
CCMT09T304-E47	9.67	0.4				☹	☹											☹	☹
CCMT09T308-E47	9.67	0.8				☹	☹											☹	☹
CCMT120404-E47	12.9	0.4				☹	☹											☹	☹
CCMT120408-E47	12.9	0.8				☹	☹											☹	☹
CCMT120412-E47	12.9	1.2				☹	☹											☹	☹
CCMT060204-MP4	6.45		0.4	☹	☹														
CCMT060208-MP4	6.45		0.8	☹	☹														
CCMT09T304-MP4	9.67		0.4	☹	☹														
CCMT09T308-MP4	9.67		0.8	☹	☹														
CCMT120404-MP4	12.9		0.4	☹	☹														
CCMT120408-MP4	12.9		0.8	☹	☹														
CCGT060204-MP4	6.45		0.4	☹	☹														
CCGT09T304-MP4	9.67		0.4	☹	☹														
CCGT09T308-MP4	9.67		0.8	☹	☹														
CCGT120408-MP4	12.9		0.8	☹	☹														
CCMT060204-MM4	6.45		0.4			☹	☹		☹	☹	☹						☹	☹	☹
CCMT060208-MM4	6.45		0.8			☹	☹		☹	☹	☹						☹	☹	☹
CCMT09T304-MM4	9.67		0.4			☹	☹		☹	☹	☹						☹	☹	☹
CCMT09T308-MM4	9.67		0.8			☹	☹		☹	☹	☹						☹	☹	☹
CCMT120404-MM4	12.9		0.4			☹	☹		☹	☹	☹						☹	☹	☹
CCMT120408-MM4	12.9		0.8			☹	☹		☹	☹	☹						☹	☹	☹
CCGT060204-MM4	6.45		0.4			☹	☹		☹	☹	☹						☹	☹	☹
CCGT060208-MM4	6.45		0.8			☹	☹		☹	☹	☹						☹	☹	☹
CCGT09T304-MM4	9.67		0.4			☹	☹		☹	☹	☹						☹	☹	☹
CCGT09T308-MM4	9.67		0.8			☹	☹		☹	☹	☹						☹	☹	☹
CCGT120408-MM4	12.9		0.8			☹	☹		☹	☹	☹						☹	☹	☹
CCMT060204-MK4	6.45		0.4														☹	☹	
CCMT060208-MK4	6.45		0.8														☹	☹	
CCMT09T304-MK4	9.67		0.4														☹	☹	
CCMT09T308-MK4	9.67		0.8														☹	☹	
CCMT120404-MK4	12.9		0.4														☹	☹	
CCMT120408-MK4	12.9		0.8														☹	☹	
CCGT060204-MK4	6.45		0.4														☹	☹	
CCGT060208-MK4	6.45		0.8														☹	☹	
CCGT09T304-MK4	9.67		0.4														☹	☹	
CCGT09T308-MK4	9.67		0.8														☹	☹	
CCGT120408-MK4	12.9		0.8														☹	☹	

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WPP20S: CCMT060202-E47 WPP20S

HC = Coated carbide



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



**Indexable inserts**

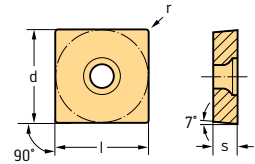
Designation	l mm	r mm	r mm	P						M					K		S		
				HC						HC					HC		HC		
				WPP10G	WPP20G	WPP20S	WSM20S	WMP20S	WPP30G	WSM01	WSM10S	WMP20S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S
	CCMT060204-RM4	6.45																	
	CCMT060208-RM4	6.45																	
	CCMT09T304-RM4	9.67																	
	CCMT09T308-RM4	9.67																	
	CCMT120404-RM4	12.9																	
	CCMT120408-RM4	12.9																	
	CCMT120412-RM4	12.9		1.2															
	CCMT060204-RP4	6.45																	
	CCMT060208-RP4	6.45																	
	CCMT09T304-RP4	9.67																	
	CCMT09T308-RP4	9.67																	
	CCMT120404-RP4	12.9																	
	CCMT120408-RP4	12.9																	
	CCMT120412-RP4	12.9		1.2															
	CCMT060204-RK4	6.45																	
	CCMT060208-RK4	6.45																	
	CCMT09T304-RK4	9.67																	
	CCMT09T308-RK4	9.67																	
	CCMT120404-RK4	12.9																	
	CCMT120408-RK4	12.9																	
	CCMT120412-RK4	12.9		1.2															

See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP20S: CCMT060202-E47 WPP20S

HC = Coated carbide

B2

Positive square  
SCMT / SCGT  
Tiger-tec® Gold



## Indexable inserts

Designation	l mm	r mm	r mm	P					M					K		S		
				HC					HC					HC		HC		
				WPP10G	WPP20G	WPP20S	WSM20S	WMP20S	WPP30G	WSM01	WSM10S	WMP20S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S
SCMT060204-E47	6.35	0.4				☹	☹											
SCMT09T304-E47	9.53	0.4				☹	☹											
SCMT09T308-E47	9.53	0.8				☹	☹											
SCMT120408-E47	12.7	0.8				☹	☹											
SCMT09T304-MP4	9.53		0.4			☹	☹											
SCMT09T308-MP4	9.53		0.8			☹	☹											
SCMT120408-MP4	12.7		0.8			☹	☹											
SCGT09T304-MP4	9.53		0.4			☹	☹											
SCGT09T308-MP4	9.53		0.8			☹	☹											
SCGT120408-MP4	12.7		0.8			☹	☹											
SCMT09T304-MM4	9.53		0.4					☹	☹	☹								
SCMT09T308-MM4	9.53		0.8					☹	☹	☹								
SCMT120408-MM4	12.7		0.8					☹	☹	☹								
SCGT09T304-MM4	9.53		0.4					☹	☹	☹								
SCGT09T308-MM4	9.53		0.8					☹	☹	☹								
SCGT120408-MM4	12.7		0.8					☹	☹	☹								
SCMT09T304-MK4	9.53		0.4									☹	☹					
SCMT09T308-MK4	9.53		0.8									☹	☹					
SCMT120408-MK4	12.7		0.8									☹	☹					
SCGT09T308-MK4	9.53		0.8									☹	☹					
SCGT120408-MK4	12.7		0.8									☹	☹					
SCMT09T304-RM4	9.53		0.4															☹
SCMT09T308-RM4	9.53		0.8															☹
SCMT120404-RM4	12.7		0.4															☹
SCMT120408-RM4	12.7		0.8															☹
SCMT120412-RM4	12.7		1.2															☹
SCMT09T304-RP4	9.53		0.4			☹	☹											
SCMT09T308-RP4	9.53		0.8			☹	☹											
SCMT09T312-RP4	9.53		1.2			☹	☹											
SCMT120404-RP4	12.7		0.4			☹	☹											
SCMT120408-RP4	12.7		0.8			☹	☹											
SCMT120412-RP4	12.7		1.2			☹	☹											
SCMT09T304-RK4	9.53		0.4											☹	☹			
SCMT09T308-RK4	9.53		0.8											☹	☹			
SCMT120404-RK4	12.7		0.4											☹	☹			
SCMT120408-RK4	12.7		0.8											☹	☹			
SCMT120412-RK4	12.7		1.2											☹	☹			

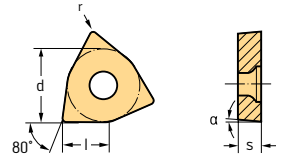
See the ISO 1832 designation key for dimensions  
Ordering example for the grade WPP20S: SCMT060204-E47 WPP20S

HC = Coated carbide

# Positive Trigon 80°

## WCMT

### Tiger-tec® Gold



#### Indexable inserts

Designation	l mm	r mm	r mm	P			M		K	S
				HC			HC		HC	HC
				WPP20G	WPP20S	WSM20S	WPP30G	WSM20S	WSM30S	WKK20S
	WCMT030204-E47	3,5	0,4		☹	☹		☹		☹
	WCMT040204-E47	4,3	0,4		☹	☹		☹		☹
	WCMT06T304-E47	6,5	0,4		☹					
	WCMT06T308-E47	6,5	0,8			☹				☹
	WCMT06T304-MP4	6,52		0,4	☹					
	WCMT06T308-MP4	6,52		0,8	☹					
	WCMT06T304-MM4	6,52		0,4			☹			☹
	WCMT06T308-MM4	6,52		0,8			☹			☹
	WCMT030202-RM4	3,91		0,2				☹		☹
	WCMT040202-RM4	4,34		0,2				☹	☹	☹
	WCMT040204-RM4	4,34		0,4				☹	☹	☹
	WCMT06T304-RM4	6,52		0,4				☹	☹	☹
	WCMT06T308-RM4	6,52		0,8				☹	☹	☹
	WCMT080408-RM4	8,69		0,8				☹	☹	☹
	WCMT080412-RM4	8,69		1,2				☹		☹
	WCMT030202-RP4	3,91		0,2	☹					
	WCMT040204-RP4	4,34		0,4	☹					
	WCMT06T304-RP4	6,52		0,4	☹					
	WCMT06T308-RP4	6,52		0,8	☹		☹			
	WCMT080404-RP4	8,69		0,4	☹					
	WCMT080408-RP4	8,69		0,8	☹		☹			
	WCMT080412-RP4	8,69		1,2	☹					
	WCMT040204-RK4	4,34		0,4					☹	
	WCMT06T304-RK4	6,52		0,4					☹	
	WCMT06T308-RK4	6,52		0,8					☹	
	WCMT080404-RK4	8,69		0,4					☹	
	WCMT080408-RK4	8,69		0,8					☹	
WCMT080412-RK4	8,69		1,2					☹		

See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WPP20S: WCMT030204-E47 WPP20S

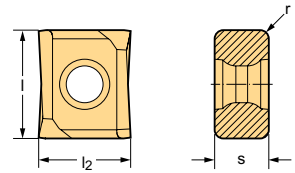
HC = Coated carbide

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




B2

# Tangential rhombic

## P4130 / P4160 / P4460



### Indexable inserts

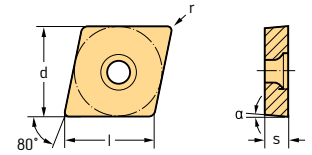
Designation	l <sub>2</sub> mm	l mm	r mm	P	M	K	N		S		
				HC	HC	HC	HC	HW	HC		
				WSM205	WKP305	WSM205	WKK105	WKK205	WNN15	WK10	WSM205
 P4130-4R12-E47	10,48	14	1,2	☹	☹	☹	☹	☹			
 P4160-2L08-E47	9,69	10	0,8	☹	☹	☹	☹	☹			☹
P4160-2R04-E47	9,69	10	0,4	☹	☹	☹	☹	☹			☹
P4160-2R08-E47	9,69	10	0,8	☹	☹	☹	☹	☹			☹
 P4460-2R04-G88	9,69	10	0,4					☹			
P4460-2R08-G88	9,69	10	0,8					☹			

Ordering example for the grade WKK10S: P4130-4R12-E47 WKK10S

 HC = Coated carbide  
 HW = Uncoated carbide

B2

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



**Indexable inserts**

Designation	l mm	r mm	r mm	P						M					K				N		S				
				HC						HC					HC				HC	HW	HC				
				WKP01G	WPP10G	WXM15	WPP20G	WMP20S	WTP35	WEP10C	WSM01	WSM10S	WXM15	WMP20S	WSM20S	WSM30S	WKP01G	WKK10S	WAK15	WXM15	WKK20S	WNN10	WN10	WSM01	WSM10S
CCGT060202-X5	6,45	0,2			☺					☺						☺	☺								
CCGT060204-X5	6,45	0,4			☺					☺						☺	☺								
CCGT060202-X15	6,45	0,2			☺					☺						☺	☺								
CCGT060204-X15	6,45	0,4			☺					☺						☺	☺								
CCGT060201-FN2	6,45		0,1																☺						
CCGT060202-FN2	6,45		0,2																☺	☺					
CCGT060204-FN2	6,45		0,4																☺	☺					
CCGT09T301-FN2	9,67		0,1																☺	☺					
CCGT09T302-FN2	9,67		0,2																☺	☺					
CCGT09T304-FN2	9,67		0,4																☺	☺					
CCGT09T308-FN2	9,67		0,8																☺	☺					
CCGT120404-FN2	12,9		0,4																☺	☺					
CCGT120408-FN2	12,9		0,8																☺	☺					
CCGT060201-FM2	6,45		0,1										☺											☺	
CCGT060202-FM2	6,45		0,2										☺										☺	☺	
CCGT060204-FM2	6,45		0,4										☺										☺	☺	
CCGT09T301-FM2	9,67		0,1										☺										☺	☺	
CCGT09T302-FM2	9,67		0,2										☺										☺	☺	
CCGT09T304-FM2	9,67		0,4										☺	☺									☺	☺	
CCGT09T308-FM2	9,67		0,8										☺	☺									☺	☺	
CCGT120404-FM2	12,9		0,4										☺										☺	☺	
CCGT120408-FM2	12,9		0,8										☺										☺	☺	
CCGT060201M-FP2	6,45		0,07						☺																
CCGT060202M-FP2	6,45		0,17						☺																
CCGT060204M-FP2	6,45		0,37						☺																
CCGT09T301M-FP2	9,67		0,07						☺																
CCGT09T302M-FP2	9,67		0,17						☺																
CCGT09T304M-FP2	9,67		0,37						☺																
CCGT09T308M-FP2	9,67		0,77						☺																
CCMT060202-FP4	6,45		0,2	☺	☺	☺			☺						☺										
CCMT060204-FP4	6,45		0,4	☺	☺	☺			☺						☺										
CCMT060208-FP4	6,45		0,8	☺	☺	☺			☺						☺										
CCMT09T302-FP4	9,67		0,2	☺	☺	☺			☺						☺										
CCMT09T304-FP4	9,67		0,4	☺	☺	☺			☺						☺										
CCMT09T308-FP4	9,67		0,8	☺	☺	☺			☺						☺										
CCMT120404-FP4	12,9		0,4	☺	☺	☺			☺						☺										
CCMT120408-FP4	12,9		0,8	☺	☺	☺			☺						☺										

See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WAK15: CCGT060202-X5 WAK15

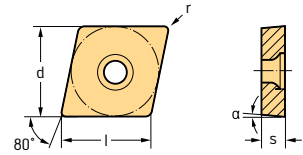
HC = Coated carbide  
 HE = Coated cermet  
 HW = Uncoated carbide

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

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

B2

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



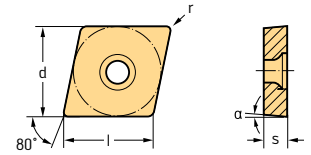
## Indexable inserts

Designation	l mm	r mm	r mm	P						M					K				N		S					
				HC						HC					HC				HC	HW	HC					
				WKP01G	WPP20G	WXM15	WPP20G	WMP20S	WTP35	WEP10C	WSM01	WSM10S	WXM15	WMP20S	WSM20S	WSM30S	WKP01G	WKK10S	WAK15	WXM15	WKK20S	WNN10	WNI10	WSM01	WSM10S	WSM20S
CCGT060201-MN2	6.45		0.1																							
CCGT060202-MN2	6.45		0.2																							
CCGT060204-MN2	6.45		0.4																							
CCGT09T301-MN2	9.67		0.1																							
CCGT09T302-MN2	9.67		0.2																							
CCGT09T304-MN2	9.67		0.4																							
CCGT09T308-MN2	9.67		0.8																							
CCGT120402-MN2	12.9		0.2																							
CCGT120404-MN2	12.9		0.4																							
CCGT120408-MN2	12.9		0.8																							
CCMT060202-FM4	6.45		0.2																							
CCMT060204-FM4	6.45		0.4																							
CCMT060208-FM4	6.45		0.8																							
CCMT09T302-FM4	9.67		0.2																							
CCMT09T304-FM4	9.67		0.4																							
CCMT09T308-FM4	9.67		0.8																							
CCMT120404-FM4	12.9		0.4																							
CCMT120408-FM4	12.9		0.8																							
CCMT060204-FP6	6.45		0.4																							
CCMT060208-FP6	6.45		0.8																							
CCMT09T304-FP6	9.67		0.4																							
CCMT09T308-FP6	9.67		0.8																							
CCMT120404-FP6	12.9		0.4																							
CCMT120408-FP6	12.9		0.8																							
CCMT060204-FK6	6.45		0.4																							
CCMT060208-FK6	6.45		0.8																							
CCMT09T304-FK6	9.67		0.4																							
CCMT09T308-FK6	9.67		0.8																							
CCMT120404-FK6	12.9		0.4																							
CCMT120408-FK6	12.9		0.8																							
CCMT060204-FM6	6.45		0.4																							
CCMT060208-FM6	6.45		0.8																							
CCMT09T304-FM6	9.67		0.4																							
CCMT09T308-FM6	9.67		0.8																							
CCMT120408-FM6	12.9		0.8																							

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WAK15: CCGT060202-X5 WAK15

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

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



**Indexable inserts**

Designation	l mm	r mm	r mm	P				M				K		N	S
				HC				HC				HC	HW	HC	
				WPP10G	WXM15	WPP20G	WMP20S	WTP35	WEP10C	WSM01	WXM15	WMP20S	WSM20S	WAK15	WXM15
CPGT050202-X5	5,65	0,2		☺				☺			☺	☺			
	CPGT050204-X5	5,65	0,4					☺			☺	☺			
CPGT050202-X15	5,65	0,2		☺				☺			☺	☺			
	CPGT050204-X15	5,65	0,4					☺			☺	☺			
CPGT050204-X25	5,65	0,4											☺		
CPMT050204-FM4	5,64		0,4												☺
	CPMT060204-FM4	6,45		0,4											☺
	CPMT09T304-FM4	9,67		0,4											☺
	CPMT09T308-FM4	9,67		0,8											☺
CPGT050202M-FP2	5,64		0,17					☺							
	CPGT050204M-FP2	5,64		0,37					☺						
CPMT050204-FP4	5,64		0,4	☺											
	CPMT060204-FP4	6,45		0,4	☺										
	CPMT09T304-FP4	9,67		0,4	☺										
	CPMT09T308-FP4	9,67		0,8	☺										
CCMT060204-FP6	6,45		0,4	☺		☺									
	CCMT060208-FP6	6,45		0,8			☺								
	CCMT09T304-FP6	9,67		0,4	☺		☺								
	CCMT09T308-FP6	9,67		0,8	☺		☺								
	CCMT120404-FP6	12,9		0,4			☺								
	CCMT120408-FP6	12,9		0,8			☺								
CPGT050204-MM4	5,64		0,4							☺					☺
	CPGT060201-MM4	6,45		0,1					☺					☺	
	CPGT060202-MM4	6,45		0,2					☺					☺	
	CPGT060204-MM4	6,45		0,4					☺		☺			☺	☺
	CPGT060208-MM4	6,45		0,8					☺					☺	
	CPGT09T301-MM4	9,67		0,1					☺					☺	
	CPGT09T304-MM4	9,67		0,4					☺		☺			☺	☺
	CPGT09T308-MM4	9,67		0,8					☺					☺	☺

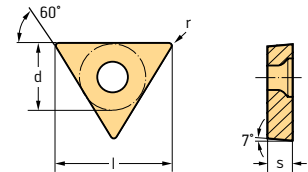
See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WAK15: CPGT050202-X5 WAK15

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

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

B2

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



## Indexable inserts

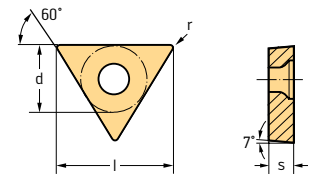
Designation	l mm	r mm	P					M					K			N		S							
			HC		HE	HC					HC	HC	HW	HC											
			WKP01G	WPP20G	WPP20G	WMP20S	WEP10C	WSM01	WSM10S	WMP20S	WSM20S	WSM21	WSM30S	WKP01G	WNN10	WNN10	WSM01	WSM10S	WSM20S	WSM21	WSM30S				
TCGT06T101-FN2	6,87	0,1										☺													
TCGT06T102-FN2	6,87	0,2										☺													
TCGT06T104-FN2	6,87	0,4										☺	☺												
TCGT090202-FN2	9,62	0,2										☺													
TCGT090204-FN2	9,62	0,4										☺	☺												
TCGT110202-FN2	11	0,2										☺													
TCGT110204-FN2	11	0,4										☺	☺												
TCGT16T304-FN2	16,5	0,4										☺	☺												
TCGT16T308-FN2	16,5	0,8										☺	☺												
TCGT06T101-FM2	6,87	0,1																							☺
TCGT06T102-FM2	6,87	0,2																							☺
TCGT06T104-FM2	6,87	0,4									☺														☺
TCGT090202-FM2	9,62	0,2									☺														☺
TCGT090204-FM2	9,62	0,4									☺	☺													☺
TCGT110201-FM2	11	0,1									☺														☺
TCGT110202-FM2	11	0,2									☺														☺
TCGT110204-FM2	11	0,4									☺	☺													☺
TCGT16T302-FM2	16,5	0,2									☺														☺
TCGT16T304-FM2	16,5	0,4									☺	☺													☺
TCGT16T308-FM2	16,5	0,8									☺	☺													☺
TCMT06T102-FM4	6,87	0,2																							☺
TCMT06T104-FM4	6,87	0,4																							☺
TCMT090202-FM4	9,62	0,2																							☺
TCMT090204-FM4	9,62	0,4																							☺
TCMT090208-FM4	9,62	0,8																							☺
TCMT110202-FM4	11	0,2																							☺
TCMT110204-FM4	11	0,4				☺																			☺
TCMT110208-FM4	11	0,8				☺																			☺
TCMT16T302-FM4	16,5	0,2				☺																			☺
TCMT16T304-FM4	16,5	0,4				☺																			☺
TCMT16T308-FM4	16,5	0,8				☺																			☺
TCGT06T104M-FP2	6,87	0,37						☺																	
TCGT090204M-FP2	9,62	0,37						☺																	
TCGT110202M-FP2	11	0,17						☺																	
TCGT110204M-FP2	11	0,37						☺																	
TCMT06T102-FP4	6,87	0,2																							
TCMT06T104-FP4	6,87	0,4																							
TCMT090202-FP4	9,62	0,2																							
TCMT090204-FP4	9,62	0,4																							
TCMT090208-FP4	9,62	0,8																							
TCMT110202-FP4	11	0,2																							
TCMT110204-FP4	11	0,4																							
TCMT110208-FP4	11	0,8																							

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WNN10: TCGT06T101-FN2 WNN10

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



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



**Indexable inserts**

Designation	l mm	r mm	P				M					K	N		S					
			HC				HC					HC	HC	HW	HC					
			WKP01G	WPP10G	WPP20G	WMP20S	WEP10C	WSM01	WSM10S	WMP20S	WSM20S	WSM21	WSM30S	WKP01G	WNN10	WNI10	WSM01	WSM10S	WSM20S	WSM21
TCMT16T302-FP4	16.5	0.2																		
TCMT16T304-FP4	16.5	0.4	☺	☺	☺							☺								
TCMT16T308-FP4	16.5	0.8		☺	☺															
TCMT110204-FP6	11	0.4			☺															
TCMT110208-FP6	11	0.8			☺															
TCMT16T304-FP6	16.5	0.4			☺															
TCMT16T308-FP6	16.5	0.8			☺															
TCGT110201-MN2	11	0.1											☺							
TCGT110202-MN2	11	0.2											☺	☺						
TCGT110204-MN2	11	0.4											☺	☺						
TCGT16T302-MN2	16.5	0.2											☺	☺						
TCGT16T304-MN2	16.5	0.4											☺	☺						
TCGT16T308-MN2	16.5	0.8											☺	☺						

See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WNN10: TCGT06T101-FN2 WNN10

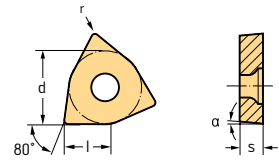
HC = Coated carbide  
 HE = Coated cermet  
 HW = Uncoated carbide

B2

# Positive Trigon 80°

## WCGT / WCMT / WCMW

### Tiger-tec® Gold



#### Indexable inserts

B2

Designation	Number of cutting edges	l mm	r mm	r mm	P		M					K		N			S		H		
					HC		HC					HC		BH	HC	HW	DP	HC		BH	
					WPP10G	WXM15	WPP20G	WTP35	WXM15	WSM20S	WSM21	WSM30S	WAK15	WXM15	WCB80	WNN10	WK1	WCD10	WSM20S	WSM21	WSM30S
WCGT020102-X5		2.7	0.2		☺	☺	☺				☺	☺									
WCGT020104-X5		2.7	0.4		☺	☺	☺				☺	☺									
WCGT030202-X5		3.5	0.2		☺	☺	☺				☺	☺									
WCGT030204-X5		3.5	0.4		☺	☺	☺				☺	☺									
WCGT040202-X5		4.3	0.2								☺	☺									
WCGT040204-X5		4.3	0.4		☺	☺	☺				☺	☺									
WCGT050304-X5		5.43	0.4		☺	☺	☺				☺	☺									
WCGT020102-X15		2.7	0.2		☺	☺	☺				☺	☺									
WCGT020104-X15		2.7	0.4		☺	☺	☺				☺	☺									
WCGT030202-X15		3.5	0.2		☺	☺	☺				☺	☺									
WCGT030204-X15		3.5	0.4		☺	☺	☺				☺	☺									
WCGT040202-X15		4.3	0.2		☺	☺	☺				☺	☺									
WCGT040204-X15		4.3	0.4		☺	☺	☺				☺	☺									
WCGT050304-X15		5.43	0.4		☺	☺	☺				☺	☺									
WCGT020102-X25		2.7	0.2																		
WCGT030202-X25		3.5	0.2																		
WCGT030204-X25		3.5	0.4																		
WCGT040204-X25		4.3	0.4																		
WCGT050304-X25		5.43	0.4																		
WCGT020102-FN2		2.7		0.2																	
WCGT020104-FN2		2.7		0.4																	
WCGT030202-FN2		3.91		0.2																	
WCGT030204-FN2		3.91		0.4																	
WCGT040202-FN2		4.34		0.2																	
WCGT040204-FN2		4.34		0.4																	
WCGT06T304-FN2		6.52		0.4																	
WCGT06T308-FN2		6.52		0.8																	
WCGT030202-FM2		3.91		0.2																	
WCGT030204-FM2		3.91		0.4																	
WCGT040202-FM2		4.34		0.2																	
WCGT040204-FM2		4.34		0.4																	
WCMT040202-FM4		4.34		0.2																	
WCMT040204-FM4		4.34		0.4																	
WCMT06T304-FM4		6.52		0.4																	
WCMT06T308-FM4		6.52		0.8																	
WCMT040202-FP4		4.34		0.2	☺																
WCMT040204-FP4		4.34		0.4	☺																
WCMT040208-FP4		4.34		0.8																	
WCMT06T302-FP4		6.52		0.2																	
WCMT06T304-FP4		6.52		0.4																	
WCMT06T308-FP4		6.52		0.8																	
WCMT080404-FP4		8.69		0.4																	
WCMT080408-FP4		8.69		0.8																	

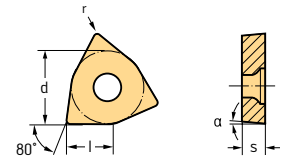
See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WAK15: WCGT020102-X5 WAK15

HC = Coated carbide  
 BH = CBN with high CBN content  
 HW = Uncoated carbide  
 DP = Polycrystalline diamond

**WALTER SELECT**

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

**Positive Trigon 80°**  
**WCGT / WCMT / WCMW**  
**Tiger-tec® Gold**



**Indexable inserts**

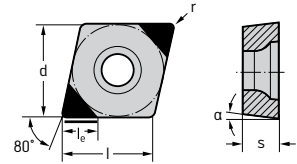
Designation	Number of cutting edges	l mm	r mm	r mm	P				M				K		N			S			H	
					HC				HC				HC	BH	HC	HW	DP	HC			BH	
					WPP10G	WXM15	WPP20G	WTP35	WXM15	WSM20S	WSM21	WSM30S	WAK15	WXM15	WCB80	WNN10	WK1	WCD10	WSM20S	WSM21	WSM30S	WCB50
WCGT030202-MN2		3,91		0,2																		
WCGT030204-MN2		3,91		0,4																		
WCGT040204-MN2		4,34		0,4																		
WCGT06T302-MN2		6,52		0,2																		
WCGT06T304-MN2		6,52		0,4																		
WCGT080404-MN2		8,69		0,4																		
WCGT080408-MN2		8,69		0,8																		
WCMW020102	1	2,7	0,2																			
WCMW020104	1	2,7	0,4																			
WCMW030202	1	3,5	0,2																			
WCMW030204	1	3,5	0,4																			
WCMW040202	1	4,3	0,2																			
WCMW040204	1	4,3	0,4																			
WCMW050304	1	5,43	0,4																			
WCMW020104		2,7	0,4																			
WCMW030202		3,5	0,2																			
WCMW030204		3,5	0,4																			
WCMW040202		4,3	0,2																			
WCMW040204		4,3	0,4																			
WCMW050304		5,43	0,4																			

See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WAK15: WCGT020102-X5 WAK15





HC = Coated carbide  
 BH = CBN with high CBN content  
 HW = Uncoated carbide  
 DP = Polycrystalline diamond

B2

# CBN – Positive rhombic 80° CCGW



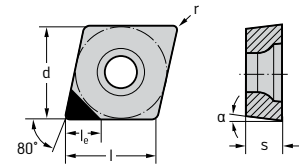
## Indexable inserts

Designation	Number of cutting edges	l <sub>e</sub> mm	l mm	r mm	α	K		S		H	
						BH	BH	BC	BL	BH	BH
						WBK20	WBS10	WBH10C	WBH20C	WBH10	WBH20
 Wiper CCGW09T304TS-MW2 CCGW09T308TM-MW2	2	2,8	9,67	0,4	7°						
	2	2,7	9,67	0,8	7°			☺			
	CCGW060202EM-2	2	2,8	6,45	0,2	7°		☺			
	CCGW060204EM-2	2	2,8	6,45	0,4	7°		☺			
	CCGW09T304EM-2	2	2,8	9,67	0,4	7°		☺			
	CCGW09T308EM-2	2	2,7	9,67	0,8	7°		☺			
	CCGW060202TS-2	2	2,8	6,45	0,2	7°	☺		☺	☺	
	CCGW060204TS-2	2	2,8	6,45	0,4	7°	☺				
	CCGW060208TS-2	2	2,7	6,45	0,8	7°	☺				
	CCGW09T304TS-2	2	2,8	9,67	0,4	7°	☺				
	CCGW09T308TS-2	2	2,7	9,67	0,8	7°	☺				
	CCGW060202TM-2	2	2,8	6,45	0,2	7°			☺		
	CCGW060204TM-2	2	2,8	6,45	0,4	7°			☺	☺	☺
	CCGW060208TM-2	2	2,7	6,45	0,8	7°			☺	☺	☺
	CCGW09T304TM-2	2	2,8	9,67	0,4	7°			☺	☺	☺
	CCGW09T308TM-2	2	2,7	9,67	0,8	7°			☺	☺	☺






See the ISO 1832 designation key for dimensions  
Ordering example for the grade WBH10C: CCGW09T304TS-MW2 WBH10C

BH = CBN with high CBN content  
BC = coated CBN  
BL = CBN with low CBN content

# CBN – Positive rhombic 80° CPGW



## Indexable inserts

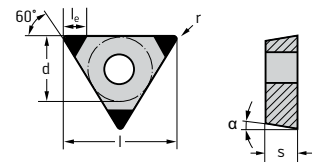
Designation	Number of cutting edges	l mm	r mm	WCB50	
				BH	H
 CPGW050202	1	5,65	0,2		
	1	5,65	0,4		

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WCB50: CPGW050202 WCB50















BH = CBN with high CBN content

B2

# CBN – Positive triangular 60° TCGW



## Indexable inserts

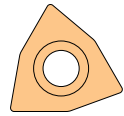
Designation	Number of cutting edges	l <sub>e</sub> mm	l mm	r mm	α	K		H			
						BH	WBK20	BC	BL	BH	
 TCGW110202TS-3	3	2,8	11	0,2	7°						
	3	3,1	11	0,4	7°						
 TCGW110204TM-3	3	3,1	11	0,4	7°						
	3	2,8	11	0,8	7°						

See the ISO 1832 designation key for dimensions  
Ordering example for the grade WBK20: TCGW110202TS-3 WBK20



BH = CBN with high CBN content  
BC = coated CBN  
BL = CBN with low CBN content

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

# Positive Trigon 80° WCMW



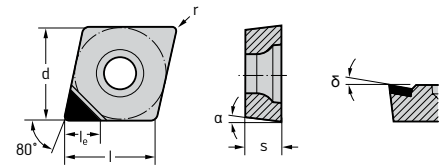
## Indexable inserts

Designation	Number of cutting edges	l mm	r mm	Material			
				K BH	N DP	H BH	
				WCE80	WCD10	WCE50	WCE80
							
	WCMW020104		2,7	0,4	☺	☺	
	WCMW030202		3,5	0,2	☺	☺	
	WCMW030204		3,5	0,4	☺	☺	
	WCMW040202		4,3	0,2	☺	☺	
	WCMW040204		4,3	0,4	☺	☺	
WCMW050304		5,43	0,4	☺	☺		
	WCMW020102	1	2,7	0,2	☺	☺	☺
	WCMW020104	1	2,7	0,4	☺	☺	☺
	WCMW030202	1	3,5	0,2	☺	☺	☺
	WCMW030204	1	3,5	0,4	☺	☺	☺
	WCMW040202	1	4,3	0,2	☺	☺	☺
	WCMW040204	1	4,3	0,4	☺	☺	☺
	WCMW050304	1	5,43	0,4	☺	☺	☺

See the ISO 1832 designation key for dimensions  
 Ordering example for the grade WCD10: WCMW020104 WCD10

BH = CBN with high CBN content  
 DP = Polycrystalline diamond

# PCD – Positive rhombic 80° CCGT / CCGW



## Indexable inserts

Designation	Number of cutting edges	l <sub>e</sub> mm	l mm	r mm	α			N	O
								DP	DP
								WDN10	WDN10
	CCGT060202FS-1	1	3,5	6,45	0,2	7°	7°	☺	☺
	CCGT060204FS-1	1	3,5	6,45	0,4	7°	7°	☺	☺
	CCGT060208FS-1	1	3,5	6,45	0,8	7°	7°	☺	☺
	CCGT09T304FS-1	1	4	9,67	0,4	7°	10°	☺	☺
	CCGT09T308FS-1	1	4	9,67	0,8	7°	10°	☺	☺
	CCGW060202FS-1	1	3,6	6,45	0,2	7°	0°	☺	☺
	CCGW060204FS-1	1	3,5	6,45	0,4	7°	0°	☺	☺
	CCGW060208FS-1	1	3,5	6,45	0,8	7°	0°	☺	☺
	CCGW09T302FS-1	1	4,1	9,67	0,2	7°	0°	☺	☺
	CCGW09T304FS-1	1	4,1	9,67	0,4	7°	0°	☺	☺
	CCGW09T308FS-1	1	4	9,67	0,8	7°	0°	☺	☺
	CCGW120404FS-1	1	4,1	12,9	0,4	7°	0°	☺	☺
	CCGW120408FS-1	1	4	12,9	0,8	7°	0°	☺	☺
	CCGT060204FS-M1	1	3,5	6,45	0,4	7°	25°	☺	☺
CCGT09T304FS-M1	1	4	9,67	0,4	7°	25°	☺	☺	
	CCGW060204FSL-9	1	6,4	6,45	0,4	7°	0°	☺	☺
	CCGW09T304FSL-9	1	9,7	9,67	0,4	7°	0°	☺	☺
	CCGW09T308FSL-9	1	9,7	9,67	0,8	7°	0°	☺	☺
	CCGW060204FSR-9	1	6,4	6,45	0,4	7°	0°	☺	☺
	CCGW09T304FSR-9	1	9,7	9,67	0,4	7°	0°	☺	☺
	CCGW09T308FSR-9	1	9,7	9,67	0,8	7°	0°	☺	☺

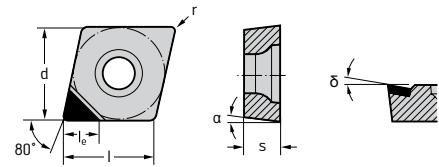
See the ISO 1832 designation key for dimensions  
Ordering example for the grade WDN10: CCGT060202FS-1 WDN10

DP = Polycrystalline diamond

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

B2

## PCD – Positive rhombic 80° CPGW



### Indexable inserts

Designation	Number of cutting edges	l <sub>e</sub> mm	l mm	r mm	α		N		
							DP	DP	
							WDN10	WDN10	
	CPGW050204FS-1	1	3	5,64	0,4	11°	0°		
	CPGW060204FS-1	1	3,5	6,45	0,4	11°	0°		
	CPGW09T304FS-1	1	4	9,67	0,4	11°	0°		
	CPGW09T308FS-1	1	4	9,67	0,8	11°	0°		
	CPGW120408FS-1	1	4	12,9	0,8	11°	0°		

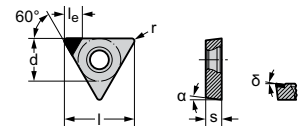
See the ISO 1832 designation key for dimensions

DP = Polycrystalline diamond



Ordering example for the grade WDN10: CPGW050204FS-1 WDN10

B2

## PCD – Positive triangular 60° TCGW



### Indexable inserts

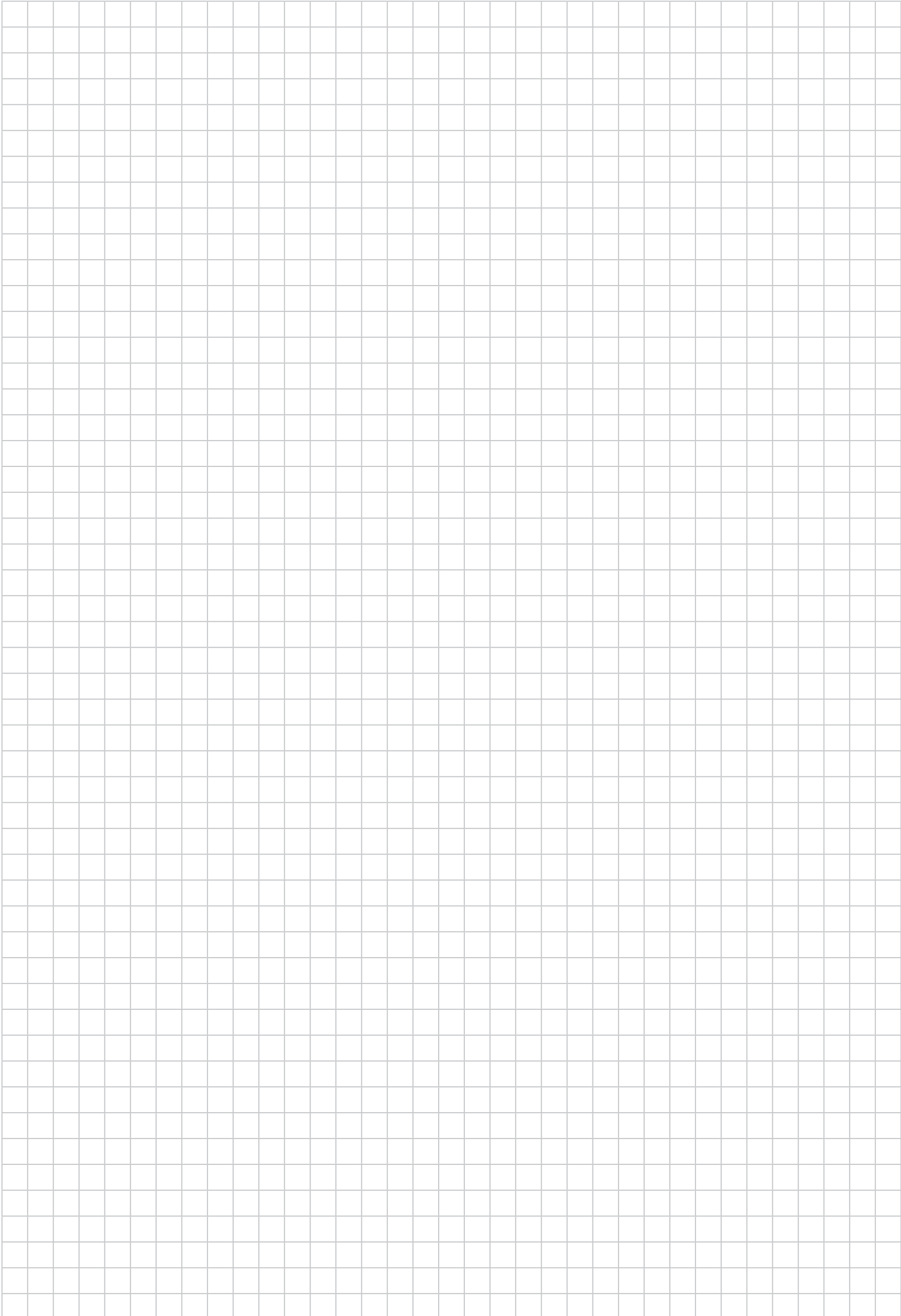
Designation	Number of cutting edges	l <sub>e</sub> mm	l mm	r mm	α		N		
							DP	DP	
							WDN10	WDN10	
	TCGW090204FS-1	1	3,8	9,62	0,4	7°	0°		
	TCGW110202FS-1	1	4,4	11	0,2	7°	0°		
	TCGW110204FS-1	1	4,3	11	0,4	7°	0°		
	TCGW110208FS-1	1	4	11	0,8	7°	0°		
	TCGW16T304FS-1	1	4,3	16,5	0,4	7°	0°		
	TCGW16T308FS-1	1	4	16,5	0,8	7°	0°		
	TCGW090204FS-9	1	9	9,62	0,4	7°	0°		
	TCGW110204FS-9	1	10,4	11	0,4	7°	0°		
	TCGW16T308FS-9	1	15,3	16,5	0,8	7°	0°		

See the ISO 1832 designation key for dimensions

DP = Polycrystalline diamond

Ordering example for the grade WDN10: TCGW090204FS-1 WDN10

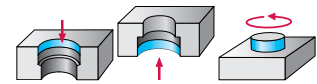
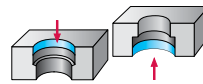
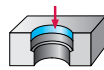




B2

## Walter Capto™/ScrewFit precision boring tools

Machining



Diameter range [mm]

1–20

19–167

148–635



Designation

B5110

B5115

B5120

Display

analogue

analogue

analogue

Shank

Walter Capto™

✓

✓

✓

ScrewFit

✓

✓

NCT

P Steel

●●

●●

●●

M Stainless steel

●●

●●

●●

K Cast iron

●●

●●

●●

N NF metals

●●

●●

●●

S Materials with difficult cutting properties

●●

●●

●●

H Hard materials

●

●

●

O Other

●

●

●

Solid carbide boring bar



Suitable insert types



Page in catalogue

B 498

B 502

B 520

QR code


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

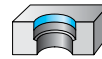
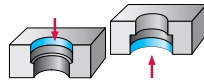
B5110

B5115

B5120

# Walter Capto™/ScrewFit precision boring tools

Machining



Diameter range [mm]	69–167	3–124	
---------------------	--------	-------	--



Designation	B5125	B4035	EB100
Display	analogue	digital	

Shank

Walter Capto™	✓	✓	
---------------	---	---	--

ScrewFit

NCT			
-----	--	--	--

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

Solid carbide boring bar



Suitable insert types



Page in catalogue	B 510	B 522	
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QR code



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

B5125

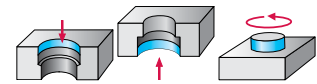
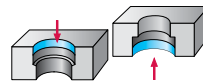
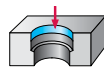
B4035

EB100

B 2

## Walter NCT precision boring tools

Machining



Diameter range [mm]

1–20

19–167

148–635



Designation

B5110

B5115

B5120

Display

analogue

analogue

analogue

Shank

Walter Capto™

ScrewFit

NCT

✓

✓

✓

P Steel

●●

●●

●●

M Stainless steel

●●

●●

●●

K Cast iron

●●

●●

●●

N NF metals

●●

●●

●●

S Materials with difficult cutting properties

●●

●●

●●

H Hard materials

●

●

●

O Other

●

●

●

Solid carbide boring bar



Suitable insert types



Page in catalogue

B 534

B 540

B 548

QR code


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

B5110

B5115

B5120

# Walter NCT precision boring tools

Machining



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



Designation	B4035	EB100
-------------	-------	-------

Display	digital	
---------	---------	--

Shank

Walter Capto™		
---------------	--	--

ScrewFit	✓	
----------	---	--

NCT		
-----	--	--

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

Solid carbide boring bar



Suitable insert types



Page in catalogue	B 550	
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QR code



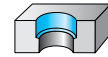
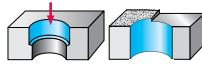
[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)

B4035

EB100

# Walter Capto™ two flute boring tools

Machining



Diameter range [mm]	148–620	148–620	33–153
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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 catalogue	B 566	B 568	B 570
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QR code



<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	B5460	B5560	B3220
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B2

# Walter Capto™ two flute boring tools

Machining



Diameter range [mm]	20–33
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Designation	B3221
Display	analogue

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

Solid carbide boring bar

Suitable insert types



Page in catalogue	B 570
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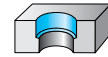
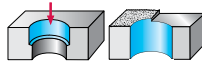
QR code



<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	B3221
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## Walter NCT two flute boring tools

Machining



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



Designation	B5460	B5560	B3220
Display	analogue	analogue	analogue

Shank

Walter Capto™

ScrewFit

NCT

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

Solid carbide boring bar

Suitable insert types			
Page in catalogue	B 582	B 584	B 586

QR code


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

B5460

B5560

B3220



# Walter NCT two flute boring tools

Machining



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



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

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

Shank

Walter Capto™	
---------------	--

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

NCT	✓
-----	---

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

Solid carbide boring bar

Suitable insert types



Page in catalogue	B 586
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QR code



www.walter-tools.com/woc/	B3221
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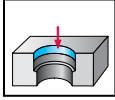
# Precision boring tool

**B5110** 

## Walter Precision XT

– Diameter adjustment for mm and inch measurement unit

$D_c$ 1-20	$\kappa=92^\circ$	Z = 1
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	P	M	K	N	S	H	O
B5110	●	●	●	●	●	●	●

B2

Tool	Designation	$D_c$ mm	$d_1$	$L_c$ mm	$l_4$ mm	kg	Type
 Walter Capto™ in acc. with ISO 26623	B5110-001-003-C3-CS	1–3	C3	6	48	0,2	
	B5110-0017-0037-C3-CS	1,7–3,7	C3	9	48	0,2	
	B5110-0022-0042-C3-CS	2,2–4,2	C3	13	53	0,2	
	B5110-0027-0047-C3-CS	2,7–4,7	C3	15	53	0,2	
	B5110-0032-0052-C3-CS	3,2–5,2	C3	20	58	0,2	
	B5110-0042-0062-C3-CS	4,2–6,2	C3	20	58	0,6	
 Walter Capto™ in acc. with ISO 26623	B5110-0062-0082-C3-CS	6,2–8,2	C3	30	68	0,2	TC .. 06T1 ..
	B5110-008-010-C3-TC06	8–10	C3	30	67	0,2	
	B5110-010-012-C3-TC06	10–12	C3	40	81	0,3	
 Walter Capto™ in acc. with ISO 26623	B5110-012-014-C3-TC06	12–14	C3	40	81	0,3	TC .. 0902 ..
	B5110-014-017-C4-TC09	14–17	C4	50	93	0,5	
	B5110-017-020-C4-TC09	17–20	C4	50	93	0,5	
 Walter Capto™ in acc. with ISO 26623							

Bodies and assembly parts are included in the scope of delivery

Assembly parts		TC .. 06T1 ..	TC .. 0902 ..
	Clamping screw	FS2623 (SW 2,5)	FS2625 (SW 3)
	Clamping screw for indexable insert	FS2626 (6IP) 0,6 Nm	FS2627 (7IP) 0,8 Nm



B 2

Basic body		Boring bar
	B5110-001-006-C3-B	EB701.WKP21
	B5110-001-006-C3-B	EB702.WKP21
	B5110-001-006-C3-B	EB703.WKP21
	B5110-001-006-C3-B	EB704.WKP21
	B5110-001-006-C3-B	EB705.WKP21
	B5110-001-006-C3-B	EB706.WKP21
	B5110-006-010-C3-B	EB707.WKP21
	B5110-006-010-C3-B	EB708.TC06
	B5110-010-014-C3-B	EB709.TC06
	B5110-010-014-C3-B	EB710.TC06
	B5110-014-020-C4-B	EB711.TC09
	B5110-014-020-C4-B	EB712.TC09

**Accessories**

Type	TC .. 06T1 ..	TC .. 0902 ..
ISO 2936-2,5 key	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)
ISO 2936-3 key		ISO2936-3 (SW 3)
Torque screwdriver, analogue		FS2001
Interchangeable blade		FS2085 (T6IP)
Screwdriver		FS2086 (T6IP)

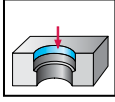
# Precision boring tool

**B5110** 

## Walter Precision XT

– Diameter adjustment for mm and inch measurement unit

$D_c$ 1-20	$\kappa=92^\circ$	Z = 1
---------------	-------------------	-------



	P	M	K	N	S	H	O
B5110	●	●	●	●	●	●	●

B2

Tool	Designation	$D_c$ mm	$d_1$	$L_c$ mm	$l_4$ mm	kg	Type
 ScrewFit	B5110-001-003-T22-CS	1-3	T22	6	45	0,1	
	B5110-0017-0037-T22-CS	1,7-3,7	T22	9	45	0,1	
	B5110-0022-0042-T22-CS	2,2-4,2	T22	13	50	0,1	
	B5110-0027-0047-T22-CS	2,7-4,7	T22	15	50	0,1	
	B5110-0032-0052-T22-CS	3,2-5,2	T22	20	55	0,1	
	B5110-0042-0062-T22-CS	4,2-6,2	T22	20	55	0,1	
 ScrewFit	B5110-0062-0082-T22-CS	6,2-8,2	T22	30	70	0,2	TC .. 06T1 ..
	B5110-008-010-T22-TC06	8-10	T22	30	69	0,2	
	B5110-010-012-T28-TC06	10-12	T28	40	86	0,3	
 ScrewFit	B5110-012-014-T28-TC06	12-14	T28	40	86	0,3	TC .. 0902 ..
	B5110-014-017-T36-TC09	14-17	T36	50	98	0,6	
	B5110-017-020-T36-TC09	17-20	T36	50	98	0,6	

Bodies and assembly parts are included in the scope of delivery

Assembly parts		TC .. 06T1 ..	TC .. 0902 ..
	Clamping screw	FS2623 (SW 2,5)	FS2625 (SW 3)
	Clamping screw for indexable insert	FS2626 (6IP) 0,6 Nm	FS2627 (7IP) 0,8 Nm



Basic body		Boring bar
	B5110-001-006-T22-B	EB701.WKP21
	B5110-001-006-T22-B	EB702.WKP21
	B5110-001-006-T22-B	EB703.WKP21
	B5110-001-006-T22-B	EB704.WKP21
	B5110-001-006-T22-B	EB705.WKP21
	B5110-001-006-T22-B	EB706.WKP21
	B5110-006-010-T22-B	EB707.WKP21
	B5110-006-010-T22-B	EB708.TC06
	B5110-010-014-T28-B	EB709.TC06
	B5110-010-014-T28-B	EB710.TC06
	B5110-014-020-T36-B	EB711.TC09
	B5110-014-020-T36-B	EB712.TC09

B2

Accessories				
	Type		TC .. 06T1 ..	TC .. 0902 ..
	ISO 2936-2.5 key	ISO2936-2.5 (SW 2,5)	ISO2936-2.5 (SW 2,5)	
	ISO 2936-3 key		ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	Torque screwdriver, analogue		FS2001	FS2001
	Interchangeable blade		FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver		FS2086 (T6IP)	FS2088 (T7IP)

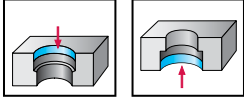
# Precision boring tool

## B5115

### Walter Precision XT

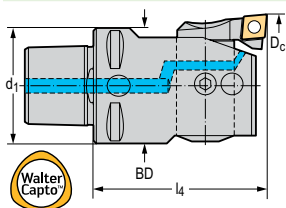
– Diameter adjustment for mm and inch measurement unit

$D_c$ 19-167	$\kappa=92^\circ$	Z = 1
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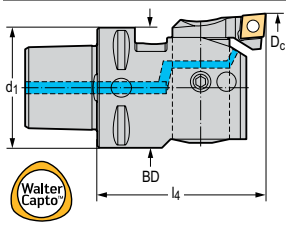
	P	M	K	N	S	H	O
B5115	●	●	●	●	●	●	●

#### Tool



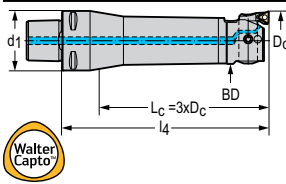
Walter Capto™ in acc. with ISO 26623

Designation	$D_c$ mm	$d_1$	$l_4$ mm	BD mm	kg	Type
B5115-035-045-C3-CC06	35-45	C3	48	32	0,7	CC .. 0602 ..
B5115-044-056-C4-CC06	44-56	C4	56	40	0,5	



Walter Capto™ in acc. with ISO 26623

B5115-055-070-C5-CC09	55-70	C5	70	50	1	CC .. 09T3 ..
B5115-069-087-C6-CC09	69-87	C6	82	63	1,9	
B5115-086-107-C6-CC09	86-107	C6	94	80	2,6	
B5115-106-137-C6-CC09	106-137	C6	94	100	3	
B5115-106-137-C8-CC09	106-137	C8	104	100	4,3	
B5115-136-167-C6-CC09	136-167	C6	94	130	3,7	
B5115-136-167-C8-CC09	136-167	C8	104	130	4,9	



Walter Capto™ in acc. with ISO 26623

B5115-019-023-C3-TC06	19-23	C3	89	18	0,3	TC .. 06T1 ..
B5115-023-029-C3-TC06	23-29	C3	105	20	0,4	
B5115-028-036-C3-TC06	28-36	C3	117	25	0,5	

Bodies and assembly parts are included in the scope of delivery

#### Assembly parts

Type	CC .. 0602 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 0902 ..	TC .. 1102 ..
Clamping screw	FS2624 (SW 3)	FS2630 (SW 4)	FS2628 (SW 2)	FS2624 (SW 3)	FS2630 (SW 4)
Clamping screw for indexable insert	FS2665 (7IP) 0,8 Nm	FS2666 (15IP) 3 Nm	FS2633 (6IP) 0,6 Nm	FS2664 (7IP) 0,8 Nm	FS2665 (7IP) 0,8 Nm
Clamping screw for cartridge	FS2635 (SW 3)	FS2636 (SW 4)	FS2634 (SW 2)	FS2635 (SW 3)	FS2636 (SW 4)
Coolant screw	FS2640 (SW 0,9)	FS2641 (SW 1,5)	FS2640 (SW 0,9)	FS2640 (SW 0,9)	FS2641 (SW 1,5)

#### Accessories

Type	CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
ISO 2936-1,5 key		ISO2936-1,5 (SW 1,5)		ISO2936-1,5 (SW 1,5)
ISO 2936-2 key		ISO2936-2 (SW 2)	ISO2936-2 (SW 2)	ISO2936-2 (SW 2)
ISO 2936-2,5 key			ISO2936-2,5 (SW 2,5)	
ISO 2936-3 key	ISO2936-3 (SW 3)			
ISO 2936-0,9 key	ISO2936-0,9 (SW 0,9)		ISO2936-0,9 (SW 0,9)	
ISO 2936-4 key		ISO2936-4 (SW 4)		ISO2936-4 (SW 4)



B2

	Basic body	Cartridge
	B5115-035-045-C3-B	EB716.CC06
	B5115-044-056-C4-B	EB716.CC06
	B5115-055-070-C5-B	EB717.CC09
	B5115-069-087-C6-B	EB717.CC09
	B5115-086-107-C6-B	EB717.CC09
	B5115-106-137-C6-B	EB717.CC09
	B5115-106-137-C8-B	EB717.CC09
	B5115-136-167-C6-B	EB717.CC09
	B5115-136-167-C8-B	EB717.CC09
	B5115-019-023-C3-B	EB713.TC06
	B5115-023-029-C3-B	EB713.TC06
	B5115-028-036-C3-B	EB713.TC06

Accessories		CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
	Torque screwdriver, analogue	FS2001	FS2003	FS2001	FS2001
	Torque screwdriver, digital		FS2248		
	Interchangeable blade	FS2011 (T7IP)		FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)		FS2086 (T6IP)	FS2088 (T7IP)
	Interchangeable blade		FS2014 (T15IP)		
	Screwdriver		FS1485 (T15IP)		
	Extension	EB736 3 Nm		EB735 1,2 Nm	
	Extension		EB737 6 Nm		EB737 6 Nm

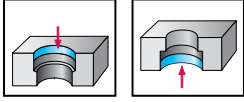
# Precision boring tool

**B5115** 

## Walter Precision XT

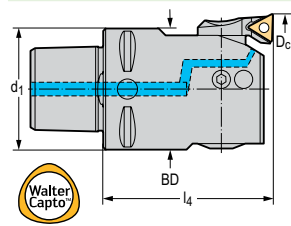
– Diameter adjustment for mm and inch measurement unit

$D_c$ 19–167	$\kappa=92^\circ$	$Z=1$
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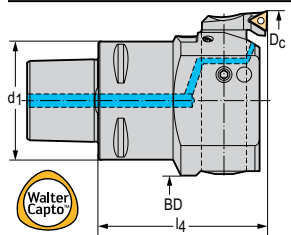


	P	M	K	N	S	H	O
B5115	●	●	●	●	●	●	●

### Tool



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

Designation	$D_c$ mm	$d_1$	$l_4$ mm	BD mm	kg	Type
B5115-035-045-C3-TC09	35–45	C3	48	32	0,3	TC .. 0902 ..
B5115-044-056-C4-TC09	44–56	C4	56	40	0,5	
B5115-055-070-C5-TC11	55–70	C5	66	50	1	TC .. 1102 ..
B5115-069-087-C6-TC11	69–87	C6	78	63	1,9	
B5115-086-107-C6-TC11	86–107	C6	90	80	2,6	
B5115-106-137-C6-TC11	106–137	C6	90	100	3	
B5115-106-137-C8-TC11	106–137	C8	100	100	4,3	
B5115-136-167-C6-TC11	136–167	C6	90	130	3,7	
B5115-136-167-C8-TC11	136–167	C8	100	130	4,9	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 0602 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 0902 ..	TC .. 1102 ..
Clamping screw	FS2624 (SW 3)	FS2630 (SW 4)	FS2628 (SW 2)	FS2624 (SW 3)	FS2630 (SW 4)
Clamping screw for indexable insert	FS2665 (7IP) 0,8 Nm	FS2666 (15IP) 3 Nm	FS2633 (6IP) 0,6 Nm	FS2664 (7IP) 0,8 Nm	FS2665 (7IP) 0,8 Nm
Clamping screw for cartridge	FS2635 (SW 3)	FS2636 (SW 4)	FS2634 (SW 2)	FS2635 (SW 3)	FS2636 (SW 4)
Coolant screw	FS2640 (SW 0,9)	FS2641 (SW 1,5)	FS2640 (SW 0,9)	FS2640 (SW 0,9)	FS2641 (SW 1,5)

### Accessories

Type	CC .. 0602 ..–TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
ISO 2936-1,5 key		ISO2936-1,5 (SW 1,5)		ISO2936-1,5 (SW 1,5)
ISO 2936-2 key		ISO2936-2 (SW 2)	ISO2936-2 (SW 2)	ISO2936-2 (SW 2)
ISO 2936-2,5 key			ISO2936-2,5 (SW 2,5)	
ISO 2936-3 key	ISO2936-3 (SW 3)			
ISO 2936-0,9 key	ISO2936-0,9 (SW 0,9)		ISO2936-0,9 (SW 0,9)	
ISO 2936-4 key		ISO2936-4 (SW 4)		ISO2936-4 (SW 4)





Basic body		Cartridge
	B5115-035-045-C3-B	EB714.TC09
	B5115-044-056-C4-B	EB714.TC09
	B5115-055-070-C5-B	EB715.TC11
	B5115-069-087-C6-B	EB715.TC11
	B5115-086-107-C6-B	EB715.TC11
	B5115-106-137-C6-B	EB715.TC11
	B5115-106-137-C8-B	EB715.TC11
	B5115-136-167-C6-B	EB715.TC11
	B5115-136-167-C8-B	EB715.TC11

B2

Accessories		CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
	Torque screwdriver, analogue	FS2001	FS2003	FS2001	FS2001
	Torque screwdriver, digital		FS2248		
	Interchangeable blade	FS2011 (T7IP)		FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)		FS2086 (T6IP)	FS2088 (T7IP)
	Interchangeable blade		FS2014 (T15IP)		
	Screwdriver		FS1485 (T15IP)		
	Extension	EB736 3 Nm		EB735 1,2 Nm	
	Extension		EB737 6 Nm		EB737 6 Nm

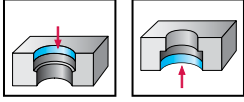
# Precision boring tool

**B5115** mm

## Walter Precision XT

– Diameter adjustment for mm and inch measurement unit

$D_c$ 19-167	$\kappa=92^\circ$	$Z=1$
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	P	M	K	N	S	H	O
B5115	●	●	●	●	●	●	●

### Tool

Designation	$D_c$ mm	$d_1$	$l_4$ mm	BD mm	kg	Type
B5115-035-045-T28-CC06	35-45	T28	54	32	0,3	CC .. 0602 ..
B5115-044-056-T36-CC06	44-56	T36	56	40	0,6	
B5115-055-070-T45-CC09	55-70	T45	74	50	1	CC .. 09T3 ..
B5115-019-023-T18-TC06	19-23	T18	38	18	0,1	TC .. 06T1 ..
B5115-023-029-T18-TC06	23-29	T18	38	20	0,1	
B5115-028-036-T22-TC06	28-36	T22	41	25	0,2	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 0602 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 0902 ..	TC .. 1102 ..
Clamping screw	FS2624 (SW 3)	FS2630 (SW 4)	FS2628 (SW 2)	FS2624 (SW 3)	FS2630 (SW 4)
Clamping screw for indexable insert	FS2665 (7IP) 0,8 Nm	FS2666 (15IP) 3 Nm	FS2633 (6IP) 0,6 Nm	FS2664 (7IP) 0,8 Nm	FS2665 (7IP) 0,8 Nm
Clamping screw for cartridge	FS2635 (SW 3)	FS2636 (SW 4)	FS2634 (SW 2)	FS2635 (SW 3)	FS2636 (SW 4)
Coolant screw	FS2640 (SW 0,9)	FS2641 (SW 1,5)	FS2640 (SW 0,9)	FS2640 (SW 0,9)	FS2641 (SW 1,5)

### Accessories

Type	CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
ISO 2936-1,5 key		ISO2936-1,5 (SW 1,5)		ISO2936-1,5 (SW 1,5)
ISO 2936-2 key			ISO2936-2 (SW 2)	
ISO 2936-3 key	ISO2936-3 (SW 3)			
ISO 2936-0,9 key	ISO2936-0,9 (SW 0,9)		ISO2936-0,9 (SW 0,9)	
ISO 2936-4 key		ISO2936-4 (SW 4)		ISO2936-4 (SW 4)



Basic body		Cartridge
B5115-035-045-T28-B		EB716.CC06
B5115-044-056-T36-B		EB716.CC06
B5115-055-070-T45-B		EB717.CC09
B5115-019-023-T18-B		EB713.TC06
B5115-023-029-T18-B		EB713.TC06
B5115-028-036-T22-B		EB713.TC06

B2

Accessories					
Type	CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..	
Torque screwdriver, analogue	FS2001	FS2003	FS2001	FS2001	
Torque screwdriver, digital		FS2248			
Interchangeable blade	FS2011 (T7IP)		FS2085 (T6IP)	FS2011 (T7IP)	
Screwdriver	FS2088 (T7IP)		FS2086 (T6IP)	FS2088 (T7IP)	
Interchangeable blade		FS2014 (T15IP)			
Screwdriver		FS1485 (T15IP)			
Extension	EB736 3 Nm		EB735 1,2 Nm		
Extension		EB737 6 Nm		EB737 6 Nm	

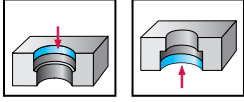
# Precision boring tool

**B5115** 

## Walter Precision XT

– Diameter adjustment for mm and inch measurement unit

$D_c$ 19–167	$\kappa=92^\circ$	Z = 1
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	P	M	K	N	S	H	O
B5115	●	●	●	●	●	●	●

### Tool

Designation	$D_c$ mm	$d_1$	$l_4$ mm	BD mm	kg	Type
B5115-035-045-T28-TC09	35–45	T28	54	32	0,3	TC .. 0902 ..
B5115-044-056-T36-TC09	44–56	T36	56	40	0,6	
B5115-055-070-T45-TC11	55–70	T45		50	1	TC .. 1102 ..

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 0602 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 0902 ..	TC .. 1102 ..
Clamping screw	FS2624 (SW 3)	FS2630 (SW 4)	FS2628 (SW 2)	FS2624 (SW 3)	FS2630 (SW 4)
Clamping screw for indexable insert	FS2665 (7IP) 0,8 Nm	FS2666 (15IP) 3 Nm	FS2633 (6IP) 0,6 Nm	FS2664 (7IP) 0,8 Nm	FS2665 (7IP) 0,8 Nm
Clamping screw for cartridge	FS2635 (SW 3)	FS2636 (SW 4)	FS2634 (SW 2)	FS2635 (SW 3)	FS2636 (SW 4)
Coolant screw	FS2640 (SW 0,9)	FS2641 (SW 1,5)	FS2640 (SW 0,9)	FS2640 (SW 0,9)	FS2641 (SW 1,5)

### Accessories

Type	CC .. 0602 ..–TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
ISO 2936-1,5 key		ISO2936-1,5 (SW 1,5)		ISO2936-1,5 (SW 1,5)
ISO 2936-2 key			ISO2936-2 (SW 2)	
ISO 2936-3 key	ISO2936-3 (SW 3)			
ISO 2936-0,9 key	ISO2936-0,9 (SW 0,9)		ISO2936-0,9 (SW 0,9)	
ISO 2936-4 key		ISO2936-4 (SW 4)		ISO2936-4 (SW 4)
Torque screwdriver, analogue	FS2001	FS2003	FS2001	FS2001
Torque screwdriver, digital		FS2248		



Basic body		Cartridge
B5115-035-045-T28-B		EB714.TC09
B5115-044-056-T36-B		EB714.TC09
B5115-055-070-T45-B		EB715.TC11

B2

Accessories		CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
	Interchangeable blade	FS2011 (T7IP)		FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)		FS2086 (T6IP)	FS2088 (T7IP)
	Interchangeable blade		FS2014 (T15IP)		
	Screwdriver		FS1485 (T15IP)		
	Extension	EB736 3 Nm		EB735 1,2 Nm	
	Extension		EB737 6 Nm		EB737 6 Nm

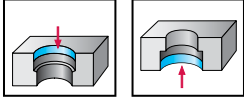
# Fine Lightweight boring tool

**B5125** mm

## Walter Precision XT

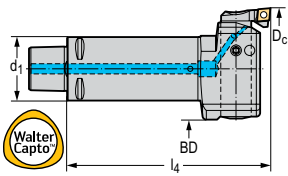
- Weight reduced (LWS)
- Diameter adjustment for mm and inch measurement unit

$D_c$ 69-167	$\kappa=92^\circ$	Z=1	
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	P	M	K	N	S	H	O
B5125	●	●	●	●	●	●	●

### Tool



Designation	$D_c$ mm	$d_1$	$l_4$ mm	BD mm	 kg	Type
B5125-069-087-C5-CC09	69-87	C5	154	63	1,5	CC .. 09T3 ..
B5125-086-107-C5-CC09	86-107	C5	160	80	1,6	
B5125-106-137-C6-CC09	106-137	C6	194	100	3	
B5125-136-167-C8-CC09	136-167	C8	204	130	4,1	

Walter Capto™ in acc. with ISO 26623

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2630 (SW 4)	FS2630 (SW 4)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Clamping screw for cartridge	FS2636 (SW 4)	FS2636 (SW 4)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)



	Basic body	Cartridge
	B5125-069-087-C5-B	EB717.CC09
	B5125-086-107-C5-B	EB717.CC09
	B5125-106-137-C6-B	EB717.CC09
	B5125-136-167-C8-B	EB717.CC09

B2

Accessories			
	Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)	ISO2936-1,5 (SW 1,5)
	ISO 2936-2 key	ISO2936-2 (SW 2)	ISO2936-2 (SW 2)
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	Torque screwdriver, analogue	FS2003	FS2001
	Torque screwdriver, analogue		FS2011 (T7IP)
	Torque screwdriver, digital	FS2248	
	Screwdriver		FS2088 (T7IP)
	Interchangeable blade	FS2014 (T15IP)	
	Screwdriver	FS1485 (T15IP)	
	Extension	EB737 6 Nm	EB737 6 Nm

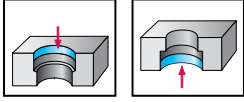
# Fine Lightweight boring tool

**B5125** mm

## Walter Precision XT

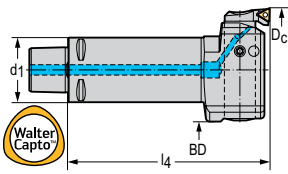
- Weight reduced (LWS)
- Diameter adjustment for mm and inch measurement unit

$D_c$ 69-167	$\kappa=92^\circ$	Z=1	
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	P	M	K	N	S	H	O
B5125	●	●	●	●	●	●	●

### Tool



Designation	$D_c$ mm	$d_1$	$l_4$ mm	BD mm	 kg	Type
B5125-069-087-C5-TC11	69-87	C5	150	63	1,5	TC .. 1102 ..
B5125-086-107-C5-TC11	86-107	C5	156	80	1,6	
B5125-106-137-C6-TC11	106-137	C6	190	100	3	
B5125-136-167-C8-TC11	136-167	C8	200	130	4,1	

Walter Capto™ in acc. with ISO 26623

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2630 (SW 4)	FS2630 (SW 4)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Clamping screw for cartridge	FS2636 (SW 4)	FS2636 (SW 4)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)





	Basic body	Cartridge
	B5125-069-087-C5-B	EB715.TC11
	B5125-086-107-C5-B	EB715.TC11
	B5125-106-137-C6-B	EB715.TC11
	B5125-136-167-C8-B	EB715.TC11

B2

Accessories			
	Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1,5 key	ISO2936-1.5 (SW 1,5)	ISO2936-1.5 (SW 1,5)
	ISO 2936-2 key	ISO2936-2 (SW 2)	ISO2936-2 (SW 2)
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	Torque screwdriver, analogue	FS2003	FS2001
	Torque screwdriver, analogue		FS2011 (T7IP)
	Torque screwdriver, digital	FS2248	
	Screwdriver		FS2088 (T7IP)
	Interchangeable blade	FS2014 (T15IP)	
	Screwdriver	FS1485 (T15IP)	
	Extension	EB737 6 Nm	EB737 6 Nm

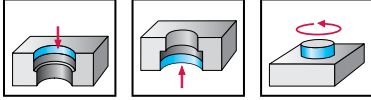
# Precision boring tool

**B5120** 

## Walter Precision XT

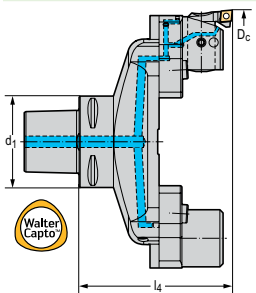
- Basic body/bridge can also be used with B5460 and B5560
- Diameter adjustment for mm and inch measurement unit

D <sub>c</sub> 148- 635	κ=92°	Z = 1
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	P	M	K	N	S	H	O
B5120	●	●	●	●	●	●	●

### Tool



Designation	D <sub>c</sub> mm	d <sub>1</sub>	l <sub>4</sub> mm	kg	Type
B5120-148-215-C8-CC09	148-215	C8	134	6,2	CC .. 09T3 ..
B5120-198-265-C8-CC09	198-265	C8	134	7,4	
B5120-248-315-C8-CC09	248-315	C8	134	8,5	

Walter Capto™ in acc. with ISO 26623

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2646 (SW 5)	FS2646 (SW 5)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Washer	FS2649	FS2649
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)
O-ring	FS2657	FS2657
Stud	FS2654	FS2654



Basic body	Bridge	Slider	Precision-boring head	Counterweight	Cartridge
B5120-148-000-C8-B		EB719	EB718	EB721	EB717.CC09
B5120-198-000-C8-B		EB719	EB718	EB721	EB717.CC09
B5120-248-000-C8-B		EB719	EB718	EB721	EB717.CC09

B2

Accessories		Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1.5 key		ISO2936-1.5 (SW 1.5)	ISO2936-1.5 (SW 1,5)
	ISO 2936-3 key		ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key		ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-5 key		ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	ISO 2936-8 key		ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque screwdriver, analogue		FS2003	FS2001
	ISO 2936-10 key		ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Torque screwdriver, digital		FS2248	
	ISO 2936-14 key		ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Interchangeable blade		FS2014 (T15IP)	FS2011 (T7IP)
	Screwdriver		FS1485 (T15IP)	FS2088 (T7IP)
	Extension		EB737 6 Nm	EB737 6 Nm

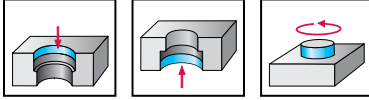
# Precision boring tool

**B5120** 

## Walter Precision XT

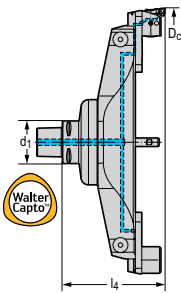
- Basic body/bridge can also be used with B5460 and B5560
- Diameter adjustment for mm and inch measurement unit

D <sub>c</sub> 148- 635	κ=92°	Z = 1
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	P	M	K	N	S	H	O
B5120	●	●	●	●	●	●	●

### Tool



Walter Capto™ in acc. with ISO 26623

Designation	D <sub>c</sub> mm	d <sub>1</sub>	l <sub>4</sub> mm	kg	Type
B5120-298-395-C8-CC09	298-395	C8	183	15,1	CC .. 09T3 ..
B5120-378-475-C8-CC09	378-475	C8	188	16,8	
B5120-458-555-C8-CC09	458-555	C8	193	18,8	
B5120-538-635-C8-CC09	538-635	C8	198	21,2	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2646 (SW 5)	FS2646 (SW 5)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Washer	FS2649	FS2649
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)
O-ring	FS2657	FS2657
Stud	FS2654	FS2654



B2

Basic body	Bridge	Slider	Precision-boring head	Counterweight	Cartridge
B5120-298-000-C8-B	EB731	EB720	EB718	EB722	EB717.CC09
B5120-298-000-C8-B	EB732	EB720	EB718	EB722	EB717.CC09
B5120-298-000-C8-B	EB733	EB720	EB718	EB722	EB717.CC09
B5120-298-000-C8-B	EB734	EB720	EB718	EB722	EB717.CC09

Accessories			
	Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1.5 key	ISO2936-1.5 (SW 1.5)	ISO2936-1.5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-5 key	ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque screwdriver, analogue	FS2003	FS2001
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Torque screwdriver, digital	FS2248	
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Interchangeable blade	FS2014 (T15IP)	FS2011 (T7IP)
	Screwdriver	FS1485 (T15IP)	FS2088 (T7IP)
	Extension	EB737 6 Nm	EB737 6 Nm

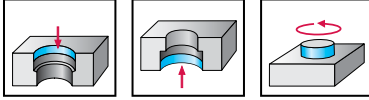
# Precision boring tool

**B5120** 

## Walter Precision XT

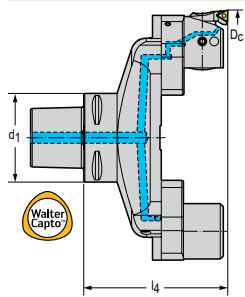
- Basic body/bridge can also be used with B5460 and B5560
- Diameter adjustment for mm and inch measurement unit

D <sub>c</sub> 148- 635	κ=92°	Z = 1
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	P	M	K	N	S	H	O
B5120	●	●	●	●	●	●	●

### Tool



Designation	D <sub>c</sub> mm	d <sub>1</sub>	l <sub>4</sub> mm	kg	Type
B5120-148-215-C8-TC11	148-215	C8	130	6,2	TC .. 1102 ..
B5120-198-265-C8-TC11	198-265	C8	130	7,4	
B5120-248-315-C8-TC11	248-315	C8	130	8,5	

Walter Capto™ in acc. with ISO 26623

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2646 (SW 5)	FS2646 (SW 5)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Washer	FS2649	FS2649
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)
O-ring	FS2657	FS2657
Stud	FS2654	FS2654



Basic body	Bridge	Slider	Precision-boring head	Counterweight	Cartridge
B5120-148-000-C8-B		EB719	EB718	EB721	EB715.TC11
B5120-198-000-C8-B		EB719	EB718	EB721	EB715.TC11
B5120-248-000-C8-B		EB719	EB718	EB721	EB715.TC11

B2

Accessories			
	Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1.5 key	ISO2936-1.5 (SW 1.5)	ISO2936-1.5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-5 key	ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque screwdriver, analogue	FS2003	FS2001
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Torque screwdriver, digital	FS2248	
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Interchangeable blade	FS2014 (T15IP)	FS2011 (T7IP)
	Screwdriver	FS1485 (T15IP)	FS2088 (T7IP)
	Extension	EB737 6 Nm	EB737 6 Nm

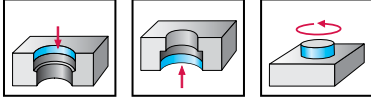
# Precision boring tool

**B5120** 

## Walter Precision XT

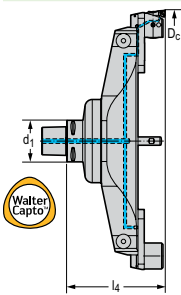
- Basic body/bridge can also be used with B5460 and B5560
- Diameter adjustment for mm and inch measurement unit

D <sub>c</sub> 148- 635	κ=92°	Z = 1
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	P	M	K	N	S	H	O
B5120	●	●	●	●	●	●	●

### Tool



Walter Capto™ in acc. with ISO 26623

Designation	D <sub>c</sub> mm	d <sub>1</sub>	l <sub>4</sub> mm	kg	Type
B5120-298-395-C8-TC11	298-395	C8	179	15,1	TC .. 1102 ..
B5120-378-475-C8-TC11	378-475	C8	184	16,8	
B5120-458-555-C8-TC11	458-555	C8	189	18,8	
B5120-538-635-C8-TC11	538-635	C8	194	21,2	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2646 (SW 5)	FS2646 (SW 5)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Washer	FS2649	FS2649
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)
O-ring	FS2657	FS2657
Stud	FS2654	FS2654



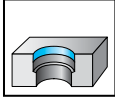


Basic body	Bridge	Slider	Precision-boring head	Counterweight	Cartridge
B5120-298-000-C8-B	EB731	EB720	EB718	EB722	EB715.TC11
B5120-298-000-C8-B	EB732	EB720	EB718	EB722	EB715.TC11
B5120-298-000-C8-B	EB733	EB720	EB718	EB722	EB715.TC11
B5120-298-000-C8-B	EB734	EB720	EB718	EB722	EB715.TC11

B2

Accessories			
	Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1.5 key	ISO2936-1.5 (SW 1.5)	ISO2936-1.5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-5 key	ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque screwdriver, analogue	FS2003	FS2001
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Torque screwdriver, digital	FS2248	
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Interchangeable blade	FS2014 (T15IP)	FS2011 (T7IP)
	Screwdriver	FS1485 (T15IP)	FS2088 (T7IP)
	Extension	EB737 6 Nm	EB737 6 Nm

# Precision boring tool

**B4035** mm
κ=93°
Z = 1


	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

## Tool

	Designation	D <sub>c</sub> mm	d <sub>1</sub>	L <sub>c</sub> mm	kg	Type
<p>Walter Capto™ in acc. with ISO 26623</p>	B4035.C6.03-10.Z1.P15	3–10	C6	10	2	WC .. 0302 ..
	B4035.C6.04-11.Z1.P15	4–11	C6	10	2	
	B4035.C6.05-12.Z1.P15.M	5–12	C6	20	2	
	B4035.C6.05-12.Z1.P15.S	5–12	C6	10	2	
	B4035.C6.06-13.Z1.P15.M	6–13	C6	30	2	
	B4035.C6.06-13.Z1.P15.S	6–13	C6	20	2	
<p>Walter Capto™ in acc. with ISO 26623</p>	B4035.C6.08-15.Z1.P15.M	8–15	C6	48	2	
	B4035.C6.08-15.Z1.P15.S	8–15	C6	23	2	
	B4035.C6.10-12.Z1.WC03	10–12	C6	52	2	
	B4035.C6.10-17.Z1.WC03	10–17	C6	27	2	
	B4035.C6.11-18.Z1.WC03	11–18	C6	27	2	
	B4035.C6.12-14.Z1.WC03	12–14	C6	62	2	
	B4035.C6.12-19.Z1.WC03	12–19	C6	42	2	
	B4035.C6.13-20.Z1.WC03	13–20	C6	42	2	
	B4035.C6.14-16.Z1.WC03	14–16	C6	72	2	
	B4035.C6.14-21.Z1.WC03	14–21	C6	47	2	
	B4035.C6.15-22.Z1.WC03	15–22	C6	47	2	
	B4035.C6.16-18.Z1.WC03	16–18	C6	82	2	
	B4035.C6.16-23.Z1.WC03	16–23	C6	57	2	
	B4035.C6.17-24.Z1.WC03	17–24	C6	57	2	
	B4035.C6.18-20.Z1.WC03	18–20	C6	92	2	
B4035.C6.18-25.Z1.WC03	18–25	C6	65	2		
B4035.C6.19-26.Z1.WC03	19–26	C6	65	2		

Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	Type	WC .. 0302 ..
	Fastening screw	FS2101
	Clamping screw for indexable insert	FS2084 (T7IP) 0,9 Nm
	Threaded plug	FS2102
	Battery	FS2122
	Battery compartment gasket	FS2121
	Battery compartment lid	FS2123



B 2

	Basic body	Boring bar	Boring bar
	B4035G.C6.002-124.Z1	EB603.WXP15	EB603.WXP15
	B4035G.C6.002-124.Z1	EB604.WXP15	EB604.WXP15
	B4035G.C6.002-124.Z1	EB606.WXP15	EB606.WXP15
	B4035G.C6.002-124.Z1	EB605.WXP15	EB605.WXP15
	B4035G.C6.002-124.Z1	EB608.WXP15	EB608.WXP15
	B4035G.C6.002-124.Z1	EB607.WXP15	EB607.WXP15
	B4035G.C6.002-124.Z1	EB610.WXP15	EB610.WXP15
	B4035G.C6.002-124.Z1	EB609.WXP15	EB609.WXP15
	B4035G.C6.002-124.Z1	EB637.WC03.CS	EB637.WC03.CS
	B4035G.C6.002-124.Z1	EB611.WC03	EB611.WC03
	B4035G.C6.002-124.Z1	EB612.WC03	EB612.WC03
	B4035G.C6.002-124.Z1	EB638.WC03.CS	EB638.WC03.CS
	B4035G.C6.002-124.Z1	EB613.WC03	EB613.WC03
	B4035G.C6.002-124.Z1	EB614.WC03	EB614.WC03
	B4035G.C6.002-124.Z1	EB639.WC03.CS	EB639.WC03.CS
	B4035G.C6.002-124.Z1	EB615.WC03	EB615.WC03
	B4035G.C6.002-124.Z1	EB616.WC03	EB616.WC03
	B4035G.C6.002-124.Z1	EB640.WC03.CS	EB640.WC03.CS
	B4035G.C6.002-124.Z1	EB617.WC03	EB617.WC03
	B4035G.C6.002-124.Z1	EB618.WC03	EB618.WC03
	B4035G.C6.002-124.Z1	EB641.WC03.CS	EB641.WC03.CS
	B4035G.C6.002-124.Z1	EB619.WC03	EB619.WC03
	B4035G.C6.002-124.Z1	EB620.WC03	EB620.WC03

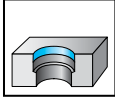
Accessories			
	Type		WC .. 0302 ..
	Screwdriver for indexable insert		FS2088 (T7IP)
	Screwdriver for adjustment	FS1174 (T25)	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)

# Precision boring tool

## B4035

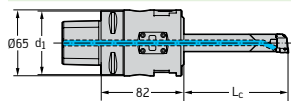
κ=93°

Z = 1



	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

### Tool



Walter Capto™ in acc. with ISO 26623

Designation	D <sub>c</sub> mm	d <sub>1</sub>	L <sub>c</sub> mm	kg	Type
B4035.C6.20-24.Z1.WC04.M	20-24	C6	117	2	WC .. 0402 ..
B4035.C6.20-24.Z1.WC04.S	20-24	C6	77	2	
B4035.C6.22-26.Z1.WC04.M	22-26	C6	117	2	
B4035.C6.22-26.Z1.WC04.S	22-26	C6	77	2	
B4035.C6.24-28.Z1.WC04.M	24-28	C6	117	2	
B4035.C6.24-28.Z1.WC04.S	24-28	C6	77	2	
B4035.C6.26-30.Z1.WC04.M	26-30	C6	117	2	
B4035.C6.26-30.Z1.WC04.S	26-30	C6	77	2	
B4035.C6.28-32.Z1.WC04.M	28-32	C6	117	2	
B4035.C6.28-32.Z1.WC04.S	28-32	C6	77	2	
B4035.C6.30-34.Z1.WC04.M	30-34	C6	117	2	
B4035.C6.30-34.Z1.WC04.S	30-34	C6	77	2	
B4035.C6.32-41.Z1.WC04	32-41	C6	63	2	
B4035.C6.41-50.Z1.WC04	41-50	C6	99	2	
B4035.C6.50-59.Z1.WC04	50-59	C6	72	2	
B4035.C6.59-68.Z1.WC04	59-68	C6	117	2	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	WC .. 0402 ..
Fastening screw	FS2101
Clamping screw for indexable insert	FS1454 (T8IP) 1,2 Nm
Threaded plug	FS2102
Battery	FS2122
Battery compartment gasket	FS2121
Battery compartment lid	FS2123



B 2

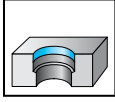
	Basic body	Extension	Cartridge
	B4035G.C6.002-124.Z1	EB643.CS	EB644.WC04
	B4035G.C6.002-124.Z1	EB642	EB644.WC04
	B4035G.C6.002-124.Z1	EB643.CS	EB645.WC04
	B4035G.C6.002-124.Z1	EB642	EB645.WC04
	B4035G.C6.002-124.Z1	EB643.CS	EB621.WC04
	B4035G.C6.002-124.Z1	EB642	EB621.WC04
	B4035G.C6.002-124.Z1	EB643.CS	EB622.WC04
	B4035G.C6.002-124.Z1	EB642	EB622.WC04
	B4035G.C6.002-124.Z1	EB643.CS	EB623.WC04
	B4035G.C6.002-124.Z1	EB642	EB623.WC04
	B4035G.C6.002-124.Z1	EB643.CS	EB624.WC04
	B4035G.C6.002-124.Z1	EB642	EB624.WC04
	B4035G.C6.002-124.Z1	EB625	EB629.WC04
	B4035G.C6.002-124.Z1	EB626	EB630.WC04
	B4035G.C6.002-124.Z1	EB627	EB629.WC04
	B4035G.C6.002-124.Z1	EB628	EB630.WC04

Accessories		
	Type	WC .. 0402 ..
	Screwdriver for indexable insert	FS1483 (T8IP)
	Screwdriver for adjustment	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)

# Precision boring tool

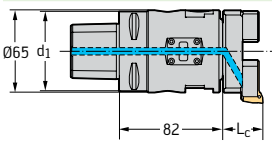
B4035

κ=93° Z=1



	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

## Tool



Designation	D <sub>c</sub> mm	d <sub>1</sub>	L <sub>c</sub> mm	kg	Type
B4035.C6.68-96.Z1.WC04	68-96	C6		2	WC .. 0402 ..
B4035.C6.96-124.Z1.WC04	96-124	C6		2	

Walter Capto™ in acc. with ISO 26623

Bodies and assembly parts are included in the scope of delivery

## Assembly parts

Type	WC .. 0402 ..
Fastening screw	FS2101
Clamping screw for indexable insert	FS1454 (T8IP) 1,2 Nm
Threaded plug	FS2102
Battery	FS2122
Battery compartment gasket	FS2121
Battery compartment lid	FS2123



	Basic body	Bridge	Counterweight	Cartridge
	B4035G.C6.002-124.Z1	EB631	EB635	EB634.WC04
	B4035G.C6.002-124.Z1	EB632	EB635	EB634.WC04

B 2

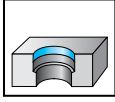
Accessories		
	Type	WC .. 0402 ..
	Screwdriver for indexable insert	FS1483 (T8IP)
	Screwdriver for adjustment	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)
	Coolant transfer for bridge	EB636

# Precision boring tool

## B4035 inch

κ=93°

Z = 1



	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

### Tool

	Designation	D <sub>c</sub> inch	d <sub>1</sub>	L <sub>c</sub> inch	lbs	Type
<p>Walter Capto™ in acc. with ISO 26623</p>	B4035.UC6.03-10.Z1.P15	0,118–0,394	C6	0,394	4,299	WC .. 0302 ..
	B4035.UC6.04-11.Z1.P15	0,157–0,433	C6	0,394	4,299	
	B4035.UC6.05-12.Z1.P15.M	0,197–0,472	C6	0,787	4,299	
	B4035.UC6.05-12.Z1.P15.S	0,197–0,472	C6	0,394	4,299	
	B4035.UC6.06-13.Z1.P15.M	0,236–0,512	C6	1,181	4,299	
	B4035.UC6.06-13.Z1.P15.S	0,236–0,512	C6	0,787	4,299	
<p>Walter Capto™ in acc. with ISO 26623</p>	B4035.UC6.08-15.Z1.P15.M	0,315–0,591	C6	1,890	4,299	
	B4035.UC6.08-15.Z1.P15.S	0,315–0,591	C6	0,906	4,299	
	B4035.UC6.10-12.Z1.WC03	0,394–0,472	C6	2,047	4,299	
	B4035.UC6.10-17.Z1.WC03	0,394–0,669	C6	1,063	4,299	
	B4035.UC6.11-18.Z1.WC03	0,433–0,709	C6	1,063	4,299	
	B4035.UC6.12-14.Z1.WC03	0,472–0,551	C6	2,441	4,299	
	B4035.UC6.12-19.Z1.WC03	0,472–0,748	C6	1,654	4,299	
	B4035.UC6.13-20.Z1.WC03	0,512–0,787	C6	1,654	4,299	
	B4035.UC6.14-16.Z1.WC03	0,551–0,630	C6	2,835	4,299	
	B4035.UC6.14-21.Z1.WC03	0,551–0,827	C6	1,85	4,299	
	B4035.UC6.15-22.Z1.WC03	0,591–0,866	C6	1,85	4,299	
	B4035.UC6.16-18.Z1.WC03	0,630–0,709	C6	3,228	4,299	
	B4035.UC6.16-23.Z1.WC03	0,630–0,906	C6	2,244	4,299	
	B4035.UC6.17-24.Z1.WC03	0,669–0,945	C6	2,244	4,299	
	B4035.UC6.18-20.Z1.WC03	0,709–0,787	C6	3,622	4,299	
B4035.UC6.18-25.Z1.WC03	0,709–0,984	C6	2,559	4,299		
B4035.UC6.19-26.Z1.WC03	0,748–1,024	C6	2,559	4,299		

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	Type	WC .. 0302 ..
	Fastening screw	FS2101
	Clamping screw for indexable insert	FS2084 (T7IP) 0,9 Nm
	Threaded plug	FS2102
	Battery	FS2122
	Battery compartment gasket	FS2121
	Battery compartment lid	FS2123





B 2

Basic body	Boring bar	Boring bar
B4035G.UC6.002-124.Z1	EB603.WXP15	EB603.WXP15
B4035G.UC6.002-124.Z1	EB604.WXP15	EB604.WXP15
B4035G.UC6.002-124.Z1	EB606.WXP15	EB606.WXP15
B4035G.UC6.002-124.Z1	EB605.WXP15	EB605.WXP15
B4035G.UC6.002-124.Z1	EB608.WXP15	EB608.WXP15
B4035G.UC6.002-124.Z1	EB607.WXP15	EB607.WXP15
B4035G.UC6.002-124.Z1	EB610.WXP15	EB610.WXP15
B4035G.UC6.002-124.Z1	EB609.WXP15	EB609.WXP15
B4035G.UC6.002-124.Z1	EB637.WC03.CS	EB637.WC03.CS
B4035G.UC6.002-124.Z1	EB611.WC03	EB611.WC03
B4035G.UC6.002-124.Z1	EB612.WC03	EB612.WC03
B4035G.UC6.002-124.Z1	EB638.WC03.CS	EB638.WC03.CS
B4035G.UC6.002-124.Z1	EB613.WC03	EB613.WC03
B4035G.UC6.002-124.Z1	EB614.WC03	EB614.WC03
B4035G.UC6.002-124.Z1	EB639.WC03.CS	EB639.WC03.CS
B4035G.UC6.002-124.Z1	EB615.WC03	EB615.WC03
B4035G.UC6.002-124.Z1	EB616.WC03	EB616.WC03
B4035G.UC6.002-124.Z1	EB640.WC03.CS	EB640.WC03.CS
B4035G.UC6.002-124.Z1	EB617.WC03	EB617.WC03
B4035G.UC6.002-124.Z1	EB618.WC03	EB618.WC03
B4035G.UC6.002-124.Z1	EB641.WC03.CS	EB641.WC03.CS
B4035G.UC6.002-124.Z1	EB619.WC03	EB619.WC03
B4035G.UC6.002-124.Z1	EB620.WC03	EB620.WC03

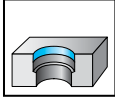
Accessories			
	Type		WC .. 0302 ..
	Screwdriver for indexable insert		FS2088 (T7IP)
	Screwdriver for adjustment	FS1174 (T25)	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)

# Precision boring tool

## B4035 inch

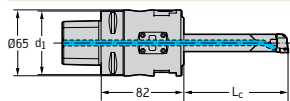
κ=93°

Z = 1



	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

### Tool



Walter Capto™ in acc. with ISO 26623

Designation	D <sub>c</sub> inch	d <sub>1</sub>	L <sub>c</sub> inch	lbs	Type
B4035.UC6.20-24.Z1.WC04M	0,787–0,945	C6	4,606	4,299	WC .. 0402 ..
B4035.UC6.20-24.Z1.WC04S	0,787–0,945	C6	3,031	4,299	
B4035.UC6.22-26.Z1.WC04M	0,866–1,024	C6	4,606	4,299	
B4035.UC6.22-26.Z1.WC04S	0,866–1,024	C6	3,031	4,299	
B4035.UC6.24-28.Z1.WC04M	0,945–1,102	C6	4,606	4,299	
B4035.UC6.24-28.Z1.WC04S	0,945–1,102	C6	3,031	4,299	
B4035.UC6.26-30.Z1.WC04M	1,024–1,181	C6	4,606	4,299	
B4035.UC6.26-30.Z1.WC04S	1,024–1,181	C6	3,031	4,299	
B4035.UC6.28-32.Z1.WC04M	1,102–1,260	C6	4,606	4,299	
B4035.UC6.28-32.Z1.WC04S	1,102–1,260	C6	3,031	4,299	
B4035.UC6.30-34.Z1.WC04M	1,181–1,339	C6	4,606	4,299	
B4035.UC6.30-34.Z1.WC04S	1,181–1,339	C6	3,031	4,299	
B4035.UC6.32-41.Z1.WC04	1,260–1,614	C6	2,48	4,299	
B4035.UC6.41-50.Z1.WC04	1,614–1,969	C6	3,898	4,299	
B4035.UC6.50-59.Z1.WC04	1,969–2,323	C6	2,835	4,299	
B4035.UC6.59-68.Z1.WC04	2,323–2,677	C6	4,606	4,299	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

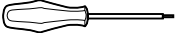
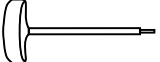

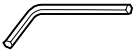
	Type	WC .. 0402 ..
	Fastening screw	FS2101
	Clamping screw for indexable insert	FS1454 (T8IP) 1,2 Nm
	Threaded plug	FS2102
	Battery	FS2122
	Battery compartment gasket	FS2121
	Battery compartment lid	FS2123



B 2

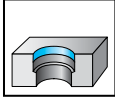
	Basic body	Extension	Cartridge
	B4035G.UC6.002-124.Z1	EB643.CS	EB644.WC04
	B4035G.UC6.002-124.Z1	EB642	EB644.WC04
	B4035G.UC6.002-124.Z1	EB643.CS	EB645.WC04
	B4035G.UC6.002-124.Z1	EB642	EB645.WC04
	B4035G.UC6.002-124.Z1	EB643.CS	EB621.WC04
	B4035G.UC6.002-124.Z1	EB642	EB621.WC04
	B4035G.UC6.002-124.Z1	EB643.CS	EB622.WC04
	B4035G.UC6.002-124.Z1	EB642	EB622.WC04
	B4035G.UC6.002-124.Z1	EB643.CS	EB623.WC04
	B4035G.UC6.002-124.Z1	EB642	EB623.WC04
	B4035G.UC6.002-124.Z1	EB643.CS	EB624.WC04
	B4035G.UC6.002-124.Z1	EB642	EB624.WC04
	B4035G.UC6.002-124.Z1	EB625	EB629.WC04
	B4035G.UC6.002-124.Z1	EB626	EB630.WC04
	B4035G.UC6.002-124.Z1	EB627	EB629.WC04
	B4035G.UC6.002-124.Z1	EB628	EB630.WC04

## Accessories

	Type	WC .. 0402 ..
	Screwdriver for indexable insert	FS1483 (T8IP)
	Screwdriver for adjustment	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)

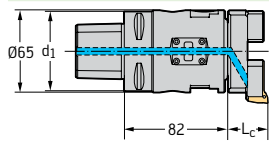
# Precision boring tool

## B4035 inch

κ=93°
Z=1


	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

### Tool



Designation	D <sub>c</sub> inch	d <sub>1</sub>	L <sub>c</sub> inch	lbs	Type
B4035.UC6.68-96.Z1.WC04	2,677–3,780	C6		4,299	WC .. 0402 ..
B4035.UC6.96-124.Z1.WC04	3,780–4,882	C6		4,299	

Walter Capto™ in acc. with ISO 26623

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	WC .. 0402 ..
Fastening screw	FS2101
Clamping screw for indexable insert	FS1454 (T8IP) 1,2 Nm
Threaded plug	FS2102
Battery	FS2122
Battery compartment gasket	FS2121
Battery compartment lid	FS2123



	Basic body	Bridge	Counterweight	Cartridge
	B4035G.UC6.002-124.Z1	EB631	EB635	EB634.WC04
	B4035G.UC6.002-124.Z1	EB632	EB635	EB634.WC04

B2

Accessories		
	Type	WC .. 0402 ..
	Screwdriver for indexable insert	FS1483 (T8IP)
	Screwdriver for adjustment	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)
	Coolant transfer for bridge	EB636

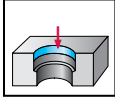
# Precision boring tool

## B5110

### Walter Precision XT

– Diameter adjustment for mm and inch measurement unit

$D_c$ 1-20	$\kappa=92^\circ$	Z = 1
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	P	M	K	N	S	H	O
B5110	●	●	●	●	●	●	●

#### Tool

Designation	$D_c$ mm	$d_1$	$L_c$ mm	$l_4$ mm	kg	Type
B5110-001-003-N2-CS	1-3	NCT 25	6	47	0,1	
B5110-0017-0037-N2-CS	1,7-3,7	NCT 25	9	47	0,1	
B5110-0022-0042-N2-CS	2,2-4,2	NCT 25	13	52	0,1	
B5110-0027-0047-N2-CS	2,7-4,7	NCT 25	15	52	0,1	
B5110-0032-0052-N2-CS	3,2-5,2	NCT 25	20	57	0,1	
B5110-0042-0062-N2-CS	4,2-6,2	NCT 25	20	57	0,1	
B5110-0062-0082-N2-CS	6,2-8,2	NCT 25	30	72	0,2	TC .. 06T1 ..
B5110-008-010-N2-TC06	8-10	NCT 25	30	71	0,2	
B5110-010-012-N3-TC06	10-12	NCT 32	40	88	0,3	
B5110-012-014-N3-TC06	12-14	NCT 32	40	88	0,3	
B5110-014-017-N4-TC09	14-17	NCT 40	50	100	0,5	TC .. 0902 ..
B5110-017-020-N4-TC09	17-20	NCT 40	50	100	0,5	

Bodies and assembly parts are included in the scope of delivery

#### Assembly parts

Type	TC .. 06T1 ..	TC .. 0902 ..
Clamping screw	FS2623 (SW 2,5)	FS2625 (SW 3)
Clamping screw for indexable insert	FS2626 (6IP) 0,6 Nm	FS2627 (7IP) 0,8 Nm



Basic body		Boring bar
	B5110-001-006-N2-B	EB701.WKP21
	B5110-001-006-N2-B	EB702.WKP21
	B5110-001-006-N2-B	EB703.WKP21
	B5110-001-006-N2-B	EB704.WKP21
	B5110-001-006-N2-B	EB705.WKP21
	B5110-001-006-N2-B	EB706.WKP21
	B5110-006-010-N2-B	EB707.WKP21
	B5110-006-010-N2-B	EB708.TC06
	B5110-010-014-N3-B	EB709.TC06
	B5110-010-014-N3-B	EB710.TC06
	B5110-014-020-N4-B	EB711.TC09
	B5110-014-020-N4-B	EB712.TC09

B 2

Accessories				
	Type		TC .. 06T1 ..	TC .. 0902 ..
	ISO 2936-2.5 key	ISO2936-2.5 (SW 2,5)	ISO2936-2.5 (SW 2,5)	
	ISO 2936-3 key		ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	Torque screwdriver, analogue		FS2001	FS2001
	Interchangeable blade		FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver		FS2086 (T6IP)	FS2088 (T7IP)

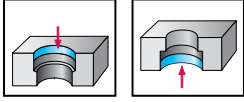
# Precision boring tool

**B5115** 

## Walter Precision XT

– Diameter adjustment for mm and inch measurement unit

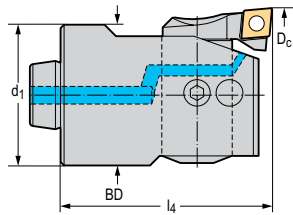
$D_c$ 19-167	$\kappa=92^\circ$	$Z=1$
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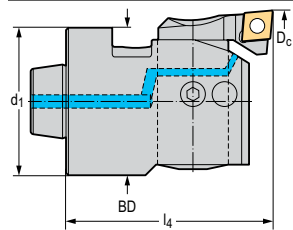
	P	M	K	N	S	H	O
B5115	●	●	●	●	●	●	●

### Tool

Designation	$D_c$ mm	$d_1$	$l_4$ mm	BD mm	 kg	Type
B5115-035-045-N3-CC06	35-45	NCT 32	48	32	0,3	CC .. 0602 ..
B5115-044-056-N4-CC06	44-56	NCT 40	56	40	0,5	
B5115-055-070-N5-CC09	55-70	NCT 50	70	50	0,9	CC .. 09T3 ..
B5115-069-087-N6-CC09	69-87	NCT 63	82	63	1,7	
B5115-086-107-N6-CC09	86-107	NCT 63	94	80	2,4	
B5115-106-137-N6-CC09	106-137	NCT 63	94	100	2,8	
B5115-106-137-N8-CC09	106-137	NCT 80	104	100	3,8	
B5115-136-167-N6-CC09	136-167	NCT 63	94	130	3,4	
B5115-136-167-N8-CC09	136-167	NCT 80	104	130	4,4	



Modular NCT adaptor



Modular NCT adaptor

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 0602 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 0902 ..	TC .. 1102 ..
Clamping screw	FS2624 (SW 3)	FS2630 (SW 4)	FS2628 (SW 2)	FS2624 (SW 3)	FS2630 (SW 4)
Clamping screw for indexable insert	FS2665 (7IP) 0,8 Nm	FS2666 (15IP) 3 Nm	FS2633 (6IP) 0,6 Nm	FS2664 (7IP) 0,8 Nm	FS2665 (7IP) 0,8 Nm
Clamping screw for cartridge	FS2635 (SW 3)	FS2636 (SW 4)	FS2634 (SW 2)	FS2635 (SW 3)	FS2636 (SW 4)
Coolant screw	FS2640 (SW 0,9)	FS2641 (SW 1,5)	FS2640 (SW 0,9)	FS2640 (SW 0,9)	FS2641 (SW 1,5)

### Accessories

Type	CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
ISO 2936-1,5 key		ISO2936-1,5 (SW 1,5)		ISO2936-1,5 (SW 1,5)
ISO 2936-2 key		ISO2936-2 (SW 2)	ISO2936-2 (SW 2)	ISO2936-2 (SW 2)
ISO 2936-3 key	ISO2936-3 (SW 3)			
ISO 2936-0,9 key	ISO2936-0,9 (SW 0,9)		ISO2936-0,9 (SW 0,9)	
ISO 2936-4 key		ISO2936-4 (SW 4)		ISO2936-4 (SW 4)





Basic body		Cartridge
	B5115-035-045-N3-B	EB716.CC06
	B5115-044-056-N4-B	EB716.CC06
	B5115-055-070-N5-B	EB717.CC09
	B5115-069-087-N6-B	EB717.CC09
	B5115-086-107-N6-B	EB717.CC09
	B5115-106-137-N6-B	EB717.CC09
	B5115-106-137-N8-B	EB717.CC09
	B5115-136-167-N6-B	EB717.CC09
	B5115-136-167-N8-B	EB717.CC09

B2

Accessories		CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
	Torque screwdriver, analogue	FS2001	FS2003	FS2001	FS2001
	Torque screwdriver, digital		FS2248		
	Interchangeable blade	FS2011 (T7IP)		FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)		FS2086 (T6IP)	FS2088 (T7IP)
	Interchangeable blade		FS2014 (T15IP)		
	Screwdriver		FS1485 (T15IP)		
	Extension	EB736 3 Nm		EB735 1,2 Nm	
	Extension		EB737 6 Nm		EB737 6 Nm

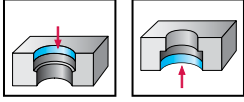
# Precision boring tool

**B5115** 

## Walter Precision XT

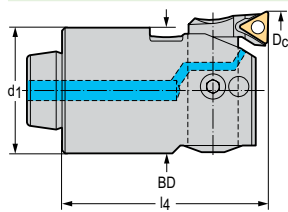
– Diameter adjustment for mm and inch measurement unit

$D_c$ 19–167	$K=92^\circ$	$Z=1$
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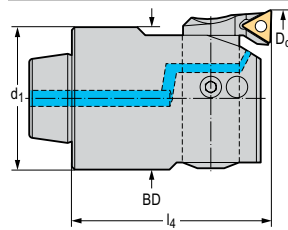


	P	M	K	N	S	H	O
B5115	●	●	●	●	●	●	●

### Tool



Modular NCT adaptor



Modular NCT adaptor

Designation	$D_c$ mm	$d_1$	$l_4$ mm	BD mm	kg	Type
B5115-019-023-N2-TC06	19–23	NCT 25	80	18	0,2	TC .. 06T1 ..
B5115-023-029-N2-TC06	23–29	NCT 25	91	20	0,2	
B5115-028-036-N2-TC06	28–36	NCT 25	41	25	0,2	
B5115-035-045-N3-TC09	35–45	NCT 32	48	32	0,3	TC .. 0902 ..
B5115-044-056-N4-TC09	44–56	NCT 40	56	40	1	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 0602 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 0902 ..	TC .. 1102 ..
Clamping screw	FS2624 (SW 3)	FS2630 (SW 4)	FS2628 (SW 2)	FS2624 (SW 3)	FS2630 (SW 4)
Clamping screw for indexable insert	FS2665 (7IP) 0,8 Nm	FS2666 (15IP) 3 Nm	FS2633 (6IP) 0,6 Nm	FS2664 (7IP) 0,8 Nm	FS2665 (7IP) 0,8 Nm
Clamping screw for cartridge	FS2635 (SW 3)	FS2636 (SW 4)	FS2634 (SW 2)	FS2635 (SW 3)	FS2636 (SW 4)
Coolant screw	FS2640 (SW 0,9)	FS2641 (SW 1,5)	FS2640 (SW 0,9)	FS2640 (SW 0,9)	FS2641 (SW 1,5)

### Accessories

Type	CC .. 0602 ..–TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
ISO 2936-1,5 key		ISO2936-1,5 (SW 1,5)		ISO2936-1,5 (SW 1,5)
ISO 2936-2 key		ISO2936-2 (SW 2)	ISO2936-2 (SW 2)	ISO2936-2 (SW 2)
ISO 2936-3 key	ISO2936-3 (SW 3)			
ISO 2936-0,9 key	ISO2936-0,9 (SW 0,9)		ISO2936-0,9 (SW 0,9)	
ISO 2936-4 key		ISO2936-4 (SW 4)		ISO2936-4 (SW 4)



Basic body		Cartridge
	B5115-019-023-N2-B	EB713.TC06
	B5115-023-029-N2-B	EB713.TC06
	B5115-028-036-N2-B	EB713.TC06
	B5115-035-045-N3-B	EB714.TC09
	B5115-044-056-N4-B	EB714.TC09

B2

Accessories		CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
	Torque screwdriver, analogue	FS2001	FS2003	FS2001	FS2001
	Torque screwdriver, digital		FS2248		
	Interchangeable blade	FS2011 (T7IP)		FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)		FS2086 (T6IP)	FS2088 (T7IP)
	Interchangeable blade		FS2014 (T15IP)		
	Screwdriver		FS1485 (T15IP)		
	Extension	EB736 3 Nm		EB735 1,2 Nm	
	Extension		EB737 6 Nm		EB737 6 Nm

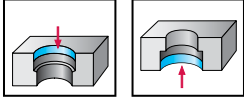
# Precision boring tool

**B5115** 

## Walter Precision XT

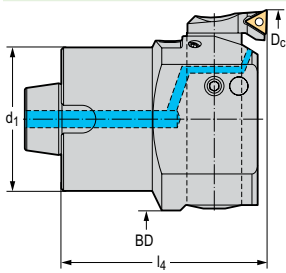
– Diameter adjustment for mm and inch measurement unit

$D_c$ 19-167	$K=92^\circ$	$Z=1$
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	P	M	K	N	S	H	O
B5115	●	●	●	●	●	●	●

### Tool



Designation	$D_c$ mm	$d_1$	$l_4$ mm	BD mm	kg	Type
B5115-055-070-N5-TC11	55-70	NCT 50	66	50	0,9	TC .. 1102 ..
B5115-069-087-N6-TC11	69-87	NCT 63	78	63	1,7	
B5115-086-107-N6-TC11	86-107	NCT 63	90	80	2,4	
B5115-106-137-N6-TC11	106-137	NCT 63	90	100	2,8	
B5115-106-137-N8-TC11	106-137	NCT 80	100	100	4,2	
B5115-136-167-N6-TC11	136-167	NCT 63	90	130	3,4	
B5115-136-167-N8-TC11	136-167	NCT 80	100	130	4,4	

Modular NCT adaptor

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 0602 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 0902 ..	TC .. 1102 ..
Clamping screw	FS2624 (SW 3)	FS2630 (SW 4)	FS2628 (SW 2)	FS2624 (SW 3)	FS2630 (SW 4)
Clamping screw for indexable insert	FS2665 (7IP) 0,8 Nm	FS2666 (15IP) 3 Nm	FS2633 (6IP) 0,6 Nm	FS2664 (7IP) 0,8 Nm	FS2665 (7IP) 0,8 Nm
Clamping screw for cartridge	FS2635 (SW 3)	FS2636 (SW 4)	FS2634 (SW 2)	FS2635 (SW 3)	FS2636 (SW 4)
Coolant screw	FS2640 (SW 0,9)	FS2641 (SW 1,5)	FS2640 (SW 0,9)	FS2640 (SW 0,9)	FS2641 (SW 1,5)



	Basic body	Cartridge
	B5115-055-070-N5-B	EB715.TC11
	B5115-069-087-N6-B	EB715.TC11
	B5115-086-107-N6-B	EB715.TC11
	B5115-106-137-N6-B	EB715.TC11
	B5115-106-137-N8-B	EB715.TC11
	B5115-136-167-N6-B	EB715.TC11
	B5115-136-167-N8-B	EB715.TC11

B 2

Accessories	Type	CC .. 0602 ..-TC .. 0902 ..	CC .. 09T3 ..	TC .. 06T1 ..	TC .. 1102 ..
	ISO 2936-1,5 key		ISO2936-1,5 (SW 1,5)		ISO2936-1,5 (SW 1,5)
	ISO 2936-2 key		ISO2936-2 (SW 2)	ISO2936-2 (SW 2)	ISO2936-2 (SW 2)
	ISO 2936-3 key	ISO2936-3 (SW 3)			
	ISO 2936-0,9 key	ISO2936-0,9 (SW 0,9)		ISO2936-0,9 (SW 0,9)	
	ISO 2936-4 key		ISO2936-4 (SW 4)		ISO2936-4 (SW 4)
	Torque screwdriver, analogue	FS2001	FS2003	FS2001	FS2001
	Torque screwdriver, digital		FS2248		
	Interchangeable blade	FS2011 (T7IP)		FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)		FS2086 (T6IP)	FS2088 (T7IP)
	Interchangeable blade		FS2014 (T15IP)		
	Screwdriver		FS1485 (T15IP)		
	Extension	EB736 3 Nm		EB735 1,2 Nm	
	Extension		EB737 6 Nm		EB737 6 Nm

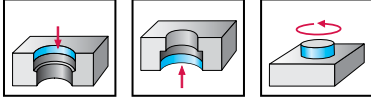
# Precision boring tool

**B5120** 

## Walter Precision XT

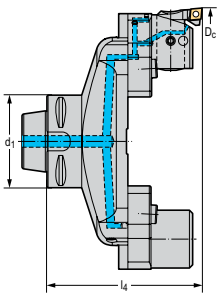
- Basic body/bridge can also be used with B5460 and B5560
- Diameter adjustment for mm and inch measurement unit

D <sub>c</sub> 148- 635	κ=92°	Z = 1
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	P	M	K	N	S	H	O
B5120	●	●	●	●	●	●	●

### Tool



Modular NCT adaptor

Designation	D <sub>c</sub> mm	d <sub>1</sub>	l <sub>4</sub> mm	kg	Type
B5120-148-215-N8-CC09	148-215	NCT 80	134	5,7	CC .. 09T3 ..
B5120-198-265-N8-CC09	198-265	NCT 80	134	6,9	
B5120-248-315-N8-CC09	248-315	NCT 80	134	8	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2646 (SW 5)	FS2646 (SW 5)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Washer	FS2649	FS2649
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)
O-ring	FS2657	FS2657
Stud	FS2654	FS2654



B2

Basic body	Bridge	Slider	Precision-boring head	Counterweight	Cartridge
B5120-148-000-N8-B		EB719	EB718	EB721	EB717.CC09
B5120-198-000-N8-B		EB719	EB718	EB721	EB717.CC09
B5120-248-000-N8-B		EB719	EB718	EB721	EB717.CC09

Accessories		Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1.5 key		ISO2936-1.5 (SW 1.5)	ISO2936-1.5 (SW 1,5)
	ISO 2936-3 key		ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key		ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-5 key		ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	ISO 2936-8 key		ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque screwdriver, analogue		FS2003	FS2001
	ISO 2936-10 key		ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Torque screwdriver, digital		FS2248	
	ISO 2936-14 key		ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Interchangeable blade		FS2014 (T15IP)	FS2011 (T7IP)
	Screwdriver		FS1485 (T15IP)	FS2088 (T7IP)
	Extension		EB737 6 Nm	EB737 6 Nm

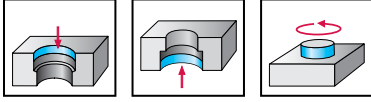
# Precision boring tool

B5120

## Walter Precision XT

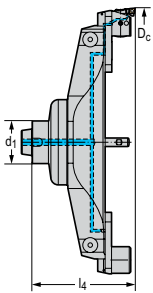
- Basic body/bridge can also be used with B5460 and B5560
- Diameter adjustment for mm and inch measurement unit

D <sub>c</sub> 148- 635	κ=92°	Z = 1
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	P	M	K	N	S	H	O
B5120	●	●	●	●	●	●	●

### Tool



Modular NCT adaptor

Designation	D <sub>c</sub> mm	d <sub>1</sub>	l <sub>4</sub> mm	kg	Type
B5120-298-395-N8-CC09	298-395	NCT 80	183	14,5	CC .. 09T3 ..
B5120-378-475-N8-CC09	378-475	NCT 80	188	16,3	
B5120-458-555-N8-CC09	458-555	NCT 80	193	18,2	
B5120-538-635-N8-CC09	538-635	NCT 80	198	20,6	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2646 (SW 5)	FS2646 (SW 5)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Washer	FS2649	FS2649
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)
O-ring	FS2657	FS2657
Stud	FS2654	FS2654





B2

Basic body	Bridge	Slider	Precision-boring head	Counterweight	Cartridge
B5120-298-000-N8-B	EB731	EB720	EB718	EB722	EB717.CC09
B5120-298-000-N8-B	EB732	EB720	EB718	EB722	EB717.CC09
B5120-298-000-N8-B	EB733	EB720	EB718	EB722	EB717.CC09
B5120-298-000-N8-B	EB734	EB720	EB718	EB722	EB717.CC09

Accessories			
	Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1.5 key	ISO2936-1.5 (SW 1.5)	ISO2936-1.5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-5 key	ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque screwdriver, analogue	FS2003	FS2001
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Torque screwdriver, digital	FS2248	
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Interchangeable blade	FS2014 (T15IP)	FS2011 (T7IP)
	Screwdriver	FS1485 (T15IP)	FS2088 (T7IP)
	Extension	EB737 6 Nm	EB737 6 Nm

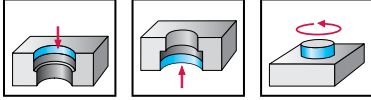
# Precision boring tool

**B5120** 

## Walter Precision XT

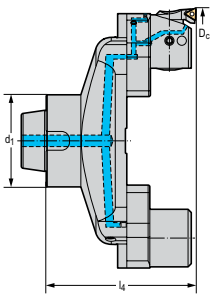
- Basic body/bridge can also be used with B5460 and B5560
- Diameter adjustment for mm and inch measurement unit

D <sub>c</sub> 148- 635	κ=92°	Z = 1
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	P	M	K	N	S	H	O
B5120	●	●	●	●	●	●	●

### Tool



Modular NCT adaptor

Designation	D <sub>c</sub> mm	d <sub>1</sub>	l <sub>4</sub> mm	kg	Type
B5120-148-215-N8-TC11	148-215	NCT 80	130	5,7	TC .. 1102 ..
B5120-198-265-N8-TC11	198-265	NCT 80	130	6,9	
B5120-248-315-N8-TC11	248-315	NCT 80	130	8	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2646 (SW 5)	FS2646 (SW 5)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Washer	FS2649	FS2649
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)
O-ring	FS2657	FS2657
Stud	FS2654	FS2654

B2



Basic body	Bridge	Slider	Precision-boring head	Counterweight	Cartridge
B5120-148-000-N8-B		EB719	EB718	EB721	EB715.TC11
B5120-198-000-N8-B		EB719	EB718	EB721	EB715.TC11
B5120-248-000-N8-B		EB719	EB718	EB721	EB715.TC11

B2

Accessories		Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1.5 key		ISO2936-1.5 (SW 1.5)	ISO2936-1.5 (SW 1,5)
	ISO 2936-3 key		ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key		ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-5 key		ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	ISO 2936-8 key		ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque screwdriver, analogue		FS2003	FS2001
	ISO 2936-10 key		ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Torque screwdriver, digital		FS2248	
	ISO 2936-14 key		ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Interchangeable blade		FS2014 (T15IP)	FS2011 (T7IP)
	Screwdriver		FS1485 (T15IP)	FS2088 (T7IP)
	Extension		EB737 6 Nm	EB737 6 Nm

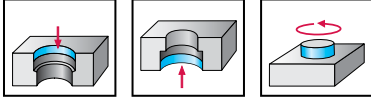
# Precision boring tool

**B5120** 

## Walter Precision XT

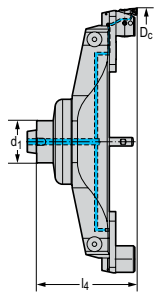
- Basic body/bridge can also be used with B5460 and B5560
- Diameter adjustment for mm and inch measurement unit

D <sub>c</sub> 148- 635	κ=92°	Z = 1
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	P	M	K	N	S	H	O
B5120	●	●	●	●	●	●	●

### Tool



Modular NCT adaptor

Designation	D <sub>c</sub> mm	d <sub>1</sub>	l <sub>4</sub> mm	kg	Type
B5120-298-395-N8-TC11	298-395	NCT 80	179	14,5	TC .. 1102 ..
B5120-378-475-N8-TC11	378-475	NCT 80	184	16,3	
B5120-458-555-N8-TC11	458-555	NCT 80	189	18,2	
B5120-538-635-N8-TC11	538-635	NCT 80	194	20,6	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 09T3 ..	TC .. 1102 ..
Clamping screw	FS2646 (SW 5)	FS2646 (SW 5)
Coolant screw	FS2641 (SW 1,5)	FS2641 (SW 1,5)
Clamping screw for indexable insert	FS2666 (15IP) 3 Nm	FS2665 (7IP) 0,8 Nm
Washer	FS2649	FS2649
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)
O-ring	FS2657	FS2657
Stud	FS2654	FS2654



Basic body	Bridge	Slider	Precision-boring head	Counterweight	Cartridge
B5120-298-000-N8-B	EB731	EB720	EB718	EB722	EB715.TC11
B5120-298-000-N8-B	EB732	EB720	EB718	EB722	EB715.TC11
B5120-298-000-N8-B	EB733	EB720	EB718	EB722	EB715.TC11
B5120-298-000-N8-B	EB734	EB720	EB718	EB722	EB715.TC11

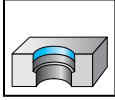
B2

Accessories			
	Type	CC .. 09T3 ..	TC .. 1102 ..
	ISO 2936-1.5 key	ISO2936-1.5 (SW 1.5)	ISO2936-1.5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-5 key	ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque screwdriver, analogue	FS2003	FS2001
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Torque screwdriver, digital	FS2248	
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Interchangeable blade	FS2014 (T15IP)	FS2011 (T7IP)
	Screwdriver	FS1485 (T15IP)	FS2088 (T7IP)
	Extension	EB737 6 Nm	EB737 6 Nm

# Precision boring tool

**B4035** 

$\kappa=93^\circ$	Z = 1
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	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

**B2**
**Tool**

Designation	D <sub>c</sub> mm	d <sub>1</sub>	L <sub>c</sub> mm	kg	Type	
B4035.T45.03-10.Z1.P15	3-10	T45	10	2		
B4035.T45.04-11.Z1.P15	4-11	T45	10	2		
B4035.T45.05-12.Z1.P15.M	5-12	T45	20	2		
B4035.T45.05-12.Z1.P15.S	5-12	T45	10	2		
B4035.T45.06-13.Z1.P15.M	6-13	T45	30	2		
B4035.T45.06-13.Z1.P15.S	6-13	T45	20	2		
B4035.T45.08-15.Z1.P15.M	8-15	T45	48	2		
B4035.T45.08-15.Z1.P15.S	8-15	T45	23	2		
B4035.T45.10-12.Z1.WC03	10-12	T45	52	2		WC .. 0302 ..
B4035.T45.10-17.Z1.WC03	10-17	T45	27	2		
B4035.T45.11-18.Z1.WC03	11-18	T45	27	2		
B4035.T45.12-14.Z1.WC03	12-14	T45	62	2		
B4035.T45.12-19.Z1.WC03	12-19	T45	42	2		
B4035.T45.13-20.Z1.WC03	13-20	T45	42	2		
B4035.T45.14-16.Z1.WC03	14-16	T45	72	2		
B4035.T45.14-21.Z1.WC03	14-21	T45	47	1.6		
B4035.T45.15-22.Z1.WC03	15-22	T45	47	2		
B4035.T45.16-18.Z1.WC03	16-18	T45	82	2		
B4035.T45.16-23.Z1.WC03	16-23	T45	57	2		
B4035.T45.17-24.Z1.WC03	17-24	T45	57	2		
B4035.T45.18-20.Z1.WC03	18-20	T45	92	2		
B4035.T45.18-25.Z1.WC03	18-25	T45	65	2		
B4035.T45.19-26.Z1.WC03	19-26	T45	65	2		

Bodies and assembly parts are included in the scope of delivery

**Assembly parts**

Type	WC .. 0302 ..
Fastening screw	FS2101
Clamping screw for indexable insert	FS2084 (T7IP) 0,9 Nm
Threaded plug	FS2102
Battery	FS2122
Battery compartment gasket	FS2121
Battery compartment lid	FS2123



B 2

Basic body	Boring bar	Boring bar
B4035G.T45.002-124.Z1	EB603.WXP15	EB603.WXP15
B4035G.T45.002-124.Z1	EB604.WXP15	EB604.WXP15
B4035G.T45.002-124.Z1	EB606.WXP15	EB606.WXP15
B4035G.T45.002-124.Z1	EB605.WXP15	EB605.WXP15
B4035G.T45.002-124.Z1	EB608.WXP15	EB608.WXP15
B4035G.T45.002-124.Z1	EB607.WXP15	EB607.WXP15
B4035G.T45.002-124.Z1	EB610.WXP15	EB610.WXP15
B4035G.T45.002-124.Z1	EB609.WXP15	EB609.WXP15
B4035G.T45.002-124.Z1	EB637.WC03.CS	EB637.WC03.CS
B4035G.T45.002-124.Z1	EB611.WC03	EB611.WC03
B4035G.T45.002-124.Z1	EB612.WC03	EB612.WC03
B4035G.T45.002-124.Z1	EB638.WC03.CS	EB638.WC03.CS
B4035G.T45.002-124.Z1	EB613.WC03	EB613.WC03
B4035G.T45.002-124.Z1	EB614.WC03	EB614.WC03
B4035G.T45.002-124.Z1	EB639.WC03.CS	EB639.WC03.CS
B4035G.T45.002-124.Z1	EB615.WC03	EB615.WC03
B4035G.T45.002-124.Z1	EB616.WC03	EB616.WC03
B4035G.T45.002-124.Z1	EB640.WC03.CS	EB640.WC03.CS
B4035G.T45.002-124.Z1	EB617.WC03	EB617.WC03
B4035G.T45.002-124.Z1	EB618.WC03	EB618.WC03
B4035G.T45.002-124.Z1	EB641.WC03.CS	EB641.WC03.CS
B4035G.T45.002-124.Z1	EB619.WC03	EB619.WC03
B4035G.T45.002-124.Z1	EB620.WC03	EB620.WC03

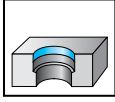
Accessories			
	Type		WC .. 0302 ..
	Screwdriver for indexable insert		FS2088 (T7IP)
	Screwdriver for adjustment	FS1174 (T25)	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)

# Precision boring tool

**B4035** 

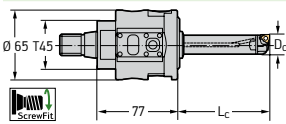
κ=93°

Z=1



	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

## Tool



ScrewFit

Designation	D <sub>c</sub> mm	d <sub>1</sub>	L <sub>c</sub> mm	kg	Type
B4035.T45.20-24.Z1.WC04M	20-24	T45	117	2	WC .. 0402 ..
B4035.T45.20-24.Z1.WC04S	20-24	T45	77	2	
B4035.T45.22-26.Z1.WC04M	22-26	T45	117	2	
B4035.T45.22-26.Z1.WC04S	22-26	T45	77	2	
B4035.T45.24-28.Z1.WC04M	24-28	T45	117	2	
B4035.T45.24-28.Z1.WC04S	24-28	T45	77	2	
B4035.T45.26-30.Z1.WC04M	26-30	T45	117	2	
B4035.T45.26-30.Z1.WC04S	26-30	T45	77	2	
B4035.T45.28-32.Z1.WC04M	28-32	T45	117	2	
B4035.T45.28-32.Z1.WC04S	28-32	T45	77	2	
B4035.T45.30-34.Z1.WC04M	30-34	T45	117	2	
B4035.T45.30-34.Z1.WC04S	30-34	T45	77	2	
B4035.T45.32-41.Z1.WC04	32-41	T45	63	2	
B4035.T45.41-50.Z1.WC04	41-50	T45	99	2	
B4035.T45.50-59.Z1.WC04	50-59	T45	72	2	
B4035.T45.59-68.Z1.WC04	59-68	T45	117	2	

Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	Type	WC .. 0402 ..
	Fastening screw	FS2101
	Clamping screw for indexable insert	FS1454 (T8IP) 1,2 Nm
	Threaded plug	FS2102
	Battery	FS2122
	Battery compartment gasket	FS2121
	Battery compartment lid	FS2123





B2

	Basic body	Extension	Cartridge
	B4035G.T45.002-124.Z1	EB643.CS	EB644.WC04
	B4035G.T45.002-124.Z1	EB642	EB644.WC04
	B4035G.T45.002-124.Z1	EB643.CS	EB645.WC04
	B4035G.T45.002-124.Z1	EB642	EB645.WC04
	B4035G.T45.002-124.Z1	EB643.CS	EB621.WC04
	B4035G.T45.002-124.Z1	EB642	EB621.WC04
	B4035G.T45.002-124.Z1	EB643.CS	EB622.WC04
	B4035G.T45.002-124.Z1	EB642	EB622.WC04
	B4035G.T45.002-124.Z1	EB643.CS	EB623.WC04
	B4035G.T45.002-124.Z1	EB642	EB623.WC04
	B4035G.T45.002-124.Z1	EB643.CS	EB624.WC04
	B4035G.T45.002-124.Z1	EB642	EB624.WC04
	B4035G.T45.002-124.Z1	EB625	EB629.WC04
	B4035G.T45.002-124.Z1	EB626	EB630.WC04
	B4035G.T45.002-124.Z1	EB627	EB629.WC04
	B4035G.T45.002-124.Z1	EB628	EB630.WC04

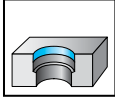
### Accessories

	Type	WC .. 0402 ..
	Screwdriver for indexable insert	FS1483 (T8IP)
	Screwdriver for adjustment	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)

# Precision boring tool

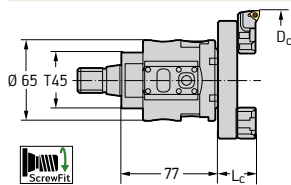
B4035

κ=93° Z=1



	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

## Tool



Designation	D <sub>c</sub> mm	d <sub>1</sub>	L <sub>c</sub> mm	kg	Type
B4035.T45.68-96.Z1.WC04	68-96	T45		2	WC .. 0402 ..
B4035.T45.96-124.Z1.WC04	96-124	T45		2	

ScrewFit

Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	Type	WC .. 0402 ..
	Fastening screw	FS2101
	Clamping screw for indexable insert	FS1454 (T8IP) 1,2 Nm
	Threaded plug	FS2102
	Battery	FS2122
	Battery compartment gasket	FS2121
	Battery compartment lid	FS2123



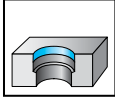
	Basic body	Bridge	Counterweight	Cartridge
	B4035G.T45.002-124.Z1	EB631	EB635	EB634.WC04
	B4035G.T45.002-124.Z1	EB632	EB635	EB634.WC04

B2

Accessories		
	Type	WC .. 0402 ..
	Screwdriver for indexable insert	FS1483 (T8IP)
	Screwdriver for adjustment	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)
	Coolant transfer for bridge	EB636

# Precision boring tool

## B4035 inch

κ=93°
Z = 1


	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

### Tool

Designation	D <sub>c</sub> inch	d <sub>1</sub>	L <sub>c</sub> inch	lbs	Type	
B4035.UT45.03-10.Z1.P15	0,118–0,394	T45	0,394	4,299		
B4035.UT45.04-11.Z1.P15	0,157–0,433	T45	0,394	4,299		
B4035.UT45.05-12.Z1.P15M	0,197–0,472	T45	0,787	4,299		
B4035.UT45.05-12.Z1.P15S	0,197–0,472	T45	0,394	4,299		
B4035.UT45.06-13.Z1.P15M	0,236–0,512	T45	1,181	4,299		
B4035.UT45.06-13.Z1.P15S	0,236–0,512	T45	0,787	4,299		
B4035.UT45.08-15.Z1.P15M	0,315–0,591	T45	1,890	4,299		
B4035.UT45.08-15.Z1.P15S	0,315–0,591	T45	0,906	4,299		
B4035.UT45.10-12.Z1.WC03	0,394–0,472	T45	2,047	4,299		WC .. 0302 ..
B4035.UT45.10-17.Z1.WC03	0,394–0,669	T45	1,063	4,299		
B4035.UT45.11-18.Z1.WC03	0,433–0,709	T45	1,063	4,299		
B4035.UT45.12-14.Z1.WC03	0,472–0,551	T45	2,441	4,299		
B4035.UT45.12-19.Z1.WC03	0,472–0,748	T45	1,654	4,299		
B4035.UT45.13-20.Z1.WC03	0,512–0,787	T45	1,654	4,299		
B4035.UT45.14-16.Z1.WC03	0,551–0,630	T45	2,835	4,299		
B4035.UT45.14-21.Z1.WC03	0,551–0,827	T45	1,85	4,299		
B4035.UT45.15-22.Z1.WC03	0,591–0,866	T45	1,85	4,299		
B4035.UT45.16-18.Z1.WC03	0,630–0,709	T45	3,228	4,299		
B4035.UT45.16-23.Z1.WC03	0,630–0,906	T45	2,244	4,299		
B4035.UT45.17-24.Z1.WC03	0,669–0,945	T45	2,244	4,299		
B4035.UT45.18-20.Z1.WC03	0,709–0,787	T45	3,622	4,299		
B4035.UT45.18-25.Z1.WC03	0,709–0,984	T45	2,559	4,299		
B4035.UT45.19-26.Z1.WC03	0,748–1,024	T45	2,559	4,299		

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	WC .. 0302 ..
Fastening screw	FS2101
Clamping screw for indexable insert	FS2084 (T7IP) 0,9 Nm
Threaded plug	FS2102
Battery	FS2122
Battery compartment gasket	FS2121
Battery compartment lid	FS2123



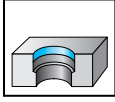
B 2

	Basic body	Boring bar	Boring bar
	B4035G.C6.002-124.Z1	EB603.WXP15	EB603.WXP15
	B4035G.T45.002-124.Z1	EB604.WXP15	EB604.WXP15
	B4035G.T45.002-124.Z1	EB606.WXP15	EB606.WXP15
	B4035G.T45.002-124.Z1	EB605.WXP15	EB605.WXP15
	B4035G.T45.002-124.Z1	EB608.WXP15	EB608.WXP15
	B4035G.T45.002-124.Z1	EB607.WXP15	EB607.WXP15
	B4035G.T45.002-124.Z1	EB610.WXP15	EB610.WXP15
	B4035G.T45.002-124.Z1	EB609.WXP15	EB609.WXP15
	B4035G.UT45.002-124.Z1	EB637.WC03.CS	EB637.WC03.CS
	B4035G.UT45.002-124.Z1	EB611.WC03	EB611.WC03
	B4035G.UT45.002-124.Z1	EB612.WC03	EB612.WC03
	B4035G.UT45.002-124.Z1	EB638.WC03.CS	EB638.WC03.CS
	B4035G.UT45.002-124.Z1	EB613.WC03	EB613.WC03
	B4035G.UT45.002-124.Z1	EB614.WC03	EB614.WC03
	B4035G.UT45.002-124.Z1	EB639.WC03.CS	EB639.WC03.CS
	B4035G.UT45.002-124.Z1	EB615.WC03	EB615.WC03
	B4035G.UT45.002-124.Z1	EB616.WC03	EB616.WC03
	B4035G.UT45.002-124.Z1	EB640.WC03.CS	EB640.WC03.CS
	B4035G.UT45.002-124.Z1	EB617.WC03	EB617.WC03
	B4035G.UT45.002-124.Z1	EB618.WC03	EB618.WC03
	B4035G.UT45.002-124.Z1	EB641.WC03.CS	EB641.WC03.CS
	B4035G.UT45.002-124.Z1	EB619.WC03	EB619.WC03
	B4035G.UT45.002-124.Z1	EB620.WC03	EB620.WC03

Accessories			
	Type		WC .. 0302 ..
	Screwdriver for indexable insert		FS2088 (T7IP)
	Screwdriver for adjustment	FS1174 (T25)	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)

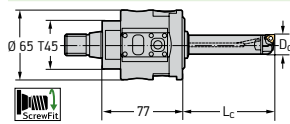
# Precision boring tool

## B4035 inch

κ=93°
Z = 1


	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

### Tool



ScrewFit

Designation	D <sub>c</sub> inch	d <sub>1</sub>	L <sub>c</sub> inch		Type
B4035.UT45.20-24.Z1WC04M	0,787–0,945	T45	4,606	4,299	WC .. 0402 ..
B4035.UT45.20-24.Z1WC04S	0,787–0,945	T45	3,031	4,299	
B4035.UT45.22-26.Z1WC04M	0,866–1,024	T45	4,606	4,299	
B4035.UT45.22-26.Z1WC04S	0,866–1,024	T45	3,031	4,299	
B4035.UT45.24-28.Z1WC04M	0,945–1,102	T45	4,606	4,299	
B4035.UT45.24-28.Z1WC04S	0,945–1,102	T45	3,031	4,299	
B4035.UT45.26-30.Z1WC04M	1,024–1,181	T45	4,606	4,299	
B4035.UT45.26-30.Z1WC04S	1,024–1,181	T45	3,031	4,299	
B4035.UT45.28-32.Z1WC04M	1,102–1,260	T45	4,606	4,299	
B4035.UT45.28-32.Z1WC04S	1,102–1,260	T45	3,031	4,299	
B4035.UT45.30-34.Z1WC04M	1,181–1,339	T45	4,606	4,299	
B4035.UT45.30-34.Z1WC04S	1,181–1,339	T45	3,031	4,299	
B4035.UT45.32-41.Z1.WC04	1,260–1,614	T45	2,48	4,299	
B4035.UT45.41-50.Z1.WC04	1,614–1,969	T45	3,898	4,299	
B4035.UT45.50-59.Z1.WC04	1,969–2,323	T45	2,835	4,299	
B4035.UT45.59-68.Z1.WC04	2,323–2,677	T45	4,606	4,299	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	Type	WC .. 0402 ..
	Fastening screw	FS2101
	Clamping screw for indexable insert	FS1454 (T8IP) 1,2 Nm
	Threaded plug	FS2102
	Battery	FS2122
	Battery compartment gasket	FS2121
	Battery compartment lid	FS2123



B 2

Basic body	Extension	Cartridge
B4035G.UT45.002-124.Z1	EB643.CS	EB644.WC04
B4035G.UT45.002-124.Z1	EB642	EB644.WC04
B4035G.UT45.002-124.Z1	EB643.CS	EB645.WC04
B4035G.UT45.002-124.Z1	EB642	EB645.WC04
B4035G.UT45.002-124.Z1	EB643.CS	EB621.WC04
B4035G.UT45.002-124.Z1	EB642	EB621.WC04
B4035G.UT45.002-124.Z1	EB643.CS	EB622.WC04
B4035G.UT45.002-124.Z1	EB642	EB622.WC04
B4035G.UT45.002-124.Z1	EB643.CS	EB623.WC04
B4035G.UT45.002-124.Z1	EB642	EB623.WC04
B4035G.UT45.002-124.Z1	EB643.CS	EB624.WC04
B4035G.UT45.002-124.Z1	EB642	EB624.WC04
B4035G.UT45.002-124.Z1	EB625	EB629.WC04
B4035G.UT45.002-124.Z1	EB626	EB630.WC04
B4035G.UT45.002-124.Z1	EB627	EB629.WC04
B4035G.UT45.002-124.Z1	EB628	EB630.WC04

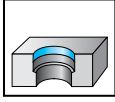
Accessories		
	Type	WC .. 0402 ..
	Screwdriver for indexable insert	FS1483 (T8IP)
	Screwdriver for adjustment	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)

# Precision boring tool

## B4035 inch

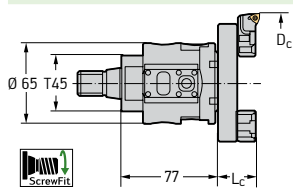
κ=93°

Z = 1



	P	M	K	N	S	H	O
B4035	●	●	●	●	●	●	●

### Tool



Designation	D <sub>c</sub> inch	d <sub>1</sub>	L <sub>c</sub> inch	lbs	Type
B4035.UT45.68-96.Z1.WC04	2,677–3,780	T45		4,299	WC .. 0402 ..
B4035.UT45.96-124.Z1.WC04	3,780–4,882	T45		4,299	

ScrewFit

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	Type	WC .. 0402 ..
	Fastening screw	FS2101
	Clamping screw for indexable insert	FS1454 (T8IP) 1,2 Nm
	Threaded plug	FS2102
	Battery	FS2122
	Battery compartment gasket	FS2121
	Battery compartment lid	FS2123





	Basic body	Bridge	Counterweight	Cartridge
	B4035G.UT45.002-124.Z1	EB631	EB635	EB634.WC04
	B4035G.UT45.002-124.Z1	EB632	EB635	EB634.WC04

B2

Accessories		
	Type	WC .. 0402 ..
	Screwdriver for indexable insert	FS1483 (T8IP)
	Screwdriver for adjustment	FS1174 (T25)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)
	Coolant transfer for bridge	EB636

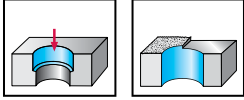
# Double-edged boring tool

**B5460** mm

## Walter Boring XT

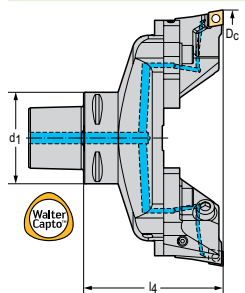
- Symmetrical, asymmetrical and axial-radial offset rough boring (ARS)
- Basic body/bridge can also be used with B5120

$D_c$ 148-620	$Z=2$	$\kappa=90^\circ$
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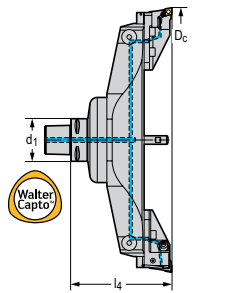


	P	M	K	N	S	H	O
B5460	●	●	●	●	●		

### Tool



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

Designation	$D_c$ mm	$d_1$	$l_4$ mm	kg	Type
B5460-148-200-C8-CC12	148-200	C8	122	7	CC .. 1204 ..
B5460-198-250-C8-CC12	198-250	C8	122	8,1	
B5460-248-300-C8-CC12	248-300	C8	122	9,2	
B5460-298-380-C8-CC12	298-380	C8	179	15,5	CC .. 1204 ..
B5460-378-460-C8-CC12	378-460	C8	184	17,3	
B5460-458-540-C8-CC12	458-540	C8	189	19,2	
B5460-538-620-C8-CC12	538-620	C8	194	21,6	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 1204 ..	CN .. 1906 ..	WWAL_BE1204_2
Wedge set	FK398	FK398	FK398
Clamping screw	FS2662 (SW 8)	FS2662 (SW 8)	FS2662 (SW 8)
Clamping screw for indexable insert	FS2658 (15IP) 3 Nm		FS2658 (15IP) 3 Nm
Circlip	FS2663	FS2663	FS2663
Shim	AP197	AP198	AP199
Washer	FS2647	FS2647	FS2647
Coolant screw	FS2671 (SW 2.5)	FS2671 (SW 2.5)	FS2671 (SW 2.5)
Clamping screw for shim	FS2660 (SW 4)	FS2661 (20IP) 6,4 Nm	FS2660 (SW 4)
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)	FS2653 (SW 3)
Stud	FS2654	FS2654	FS2654
Disc spring	FS2650	FS2650	FS2650
RC clamp		FS2659	



	Basic body	Bridge	Slider	Cartridge
	B5120-148-000-C8-B		EB723	EB725.CC12
	B5120-198-000-C8-B		EB723	EB725.CC12
	B5120-248-000-C8-B		EB723	EB725.CC12
	B5120-298-000-C8-B	EB731	EB724	EB725.CC12
	B5120-298-000-C8-B	EB732	EB724	EB725.CC12
	B5120-298-000-C8-B	EB733	EB724	EB725.CC12
	B5120-298-000-C8-B	EB734	EB724	EB725.CC12

B 2

### Accessories

	Type	CC .. 1204 ..	CN .. 1906 ..	WWAL_BE1204_2
	ISO 2936-2,5 key	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque T-handle	FS2041	FS2041	FS2041
	Interchangeable blade	FS2047 (T15IP)		FS2047 (T15IP)
	Interchangeable blade	FS2048 (T20IP)	FS2048 (T20IP)	
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Screwdriver	FS1485 (T15IP)		FS1485 (T15IP)
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Screwdriver	FS1486 (T20IP)	FS1486 (T20IP)	
	Torque screwdriver, analogue	FS2003		FS2003
	Torque screwdriver, digital	FS2248		FS2248

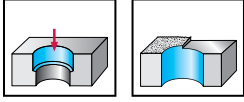
# Double-edged boring tool

**B5460** mm

## Walter Boring XT

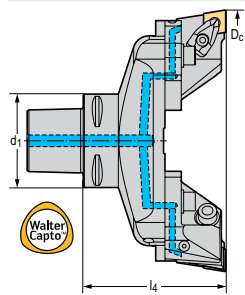
- Symmetrical, asymmetrical and axial-radial offset rough boring (ARS)
- Basic body/bridge can also be used with B5120

$D_c$ 148-620	$Z=2$	$\kappa=90^\circ$
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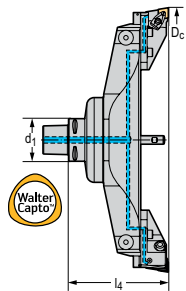


	P	M	K	N	S	H	O
B5460	●	●	●	●	●		

### Tool



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

Designation	$D_c$ mm	$d_1$	$l_4$ mm	kg	Type
B5460-148-200-C8-CN19	148-200	C8	122	7,1	CN .. 1906 ..
B5460-198-250-C8-CN19	198-250	C8	122	8,2	
B5460-248-300-C8-CN19	248-300	C8	122	9,3	
B5460-298-380-C8-CN19	298-380	C8	179	15,7	CN .. 1906 ..
B5460-378-460-C8-CN19	378-460	C8	184	17,4	
B5460-458-540-C8-CN19	458-540	C8	189	19,3	
B5460-538-620-C8-CN19	538-620	C8	194	21,7	

Bodies and assembly parts are included in the scope of delivery

### Accessories

Type	CC .. 1204 ..	CN .. 1906 ..	WWAL_BE1204_2
ISO 2936-2,5 key	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)
ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
Torque T-handle	FS2041	FS2041	FS2041
Interchangeable blade	FS2047 (T15IP)		FS2047 (T15IP)
Interchangeable blade	FS2048 (T20IP)	FS2048 (T20IP)	



Basic body		Bridge	Slider	Cartridge
	B5120-148-000-C8-B		EB723	EB726.CN19
	B5120-198-000-C8-B		EB723	EB726.CN19
	B5120-248-000-C8-B		EB723	EB726.CN19
	B5120-298-000-C8-B	EB731	EB724	EB726.CN19
	B5120-298-000-C8-B	EB732	EB724	EB726.CN19
	B5120-298-000-C8-B	EB733	EB724	EB726.CN19
	B5120-298-000-C8-B	EB734	EB724	EB726.CN19

B2

Accessories				
	Type	CC .. 1204 ..	CN .. 1906 ..	WWAL_BE1204_2
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Screwdriver	FS1485 (T15IP)		FS1485 (T15IP)
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Screwdriver	FS1486 (T20IP)	FS1486 (T20IP)	
	Torque screwdriver, analogue	FS2003		FS2003
	Torque screwdriver, digital	FS2248		FS2248

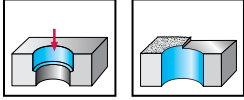
# Double-edged boring tool

**B5460** 

## Walter Boring XT

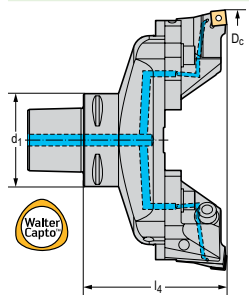
- Symmetrical, asymmetrical and axial-radial offset rough boring (ARS)
- Basic body/bridge can also be used with B5120

$D_c$ 148-620	$Z=2$	$\kappa=90^\circ$
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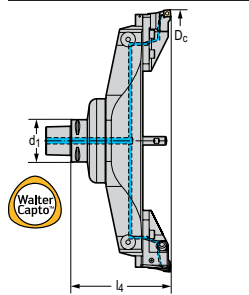


	P	M	K	N	S	H	O
B5460	●	●	●	●	●		

### Tool



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

Designation	$D_c$ mm	$d_1$	$l_4$ mm	kg	Type
B5460-148-200-C8-SC12	148-200	C8	122	7	WWAL_ BE1204_2
B5460-198-250-C8-SC12	198-250	C8	122	8,1	
B5460-248-300-C8-SC12	248-300	C8	122	9,2	
B5460-298-380-C8-SC12	298-380	C8	179	15,6	WWAL_ BE1204_2
B5460-378-460-C8-SC12	378-460	C8	184	17,3	
B5460-458-540-C8-SC12	458-540	C8	189	19,2	
B5460-538-620-C8-SC12	538-620	C8	189	21,6	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 1204 ..	CN .. 1906 ..	WWAL_BE1204_2
Wedge set	FK398	FK398	FK398
Clamping screw	FS2662 (SW 8)	FS2662 (SW 8)	FS2662 (SW 8)
Clamping screw for indexable insert	FS2658 (15IP) 3 Nm		FS2658 (15IP) 3 Nm
Circlip	FS2663	FS2663	FS2663
Shim	AP197	AP198	AP199
Washer	FS2647	FS2647	FS2647
Coolant screw	FS2671 (SW 2.5)	FS2671 (SW 2.5)	FS2671 (SW 2.5)
Clamping screw for shim	FS2660 (SW 4)	FS2661 (20IP) 6,4 Nm	FS2660 (SW 4)
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)	FS2653 (SW 3)
Stud	FS2654	FS2654	FS2654
Disc spring	FS2650	FS2650	FS2650
RC clamp		FS2659	



	Basic body	Bridge	Slider	Cartridge
	B5120-148-000-C8-B		EB723	EB727.SC12
	B5120-198-000-C8-B		EB723	EB727.SC12
	B5120-248-000-C8-B		EB723	EB727.SC12
	B5120-298-000-C8-B	EB731	EB724	EB727.SC12
	B5120-298-000-C8-B	EB732	EB724	EB727.SC12
	B5120-298-000-C8-B	EB733	EB724	EB727.SC12
	B5120-298-000-C8-B	EB734	EB724	EB727.SC12

B 2

Accessories				
	Type	CC .. 1204 ..	CN .. 1906 ..	WWAL_BE1204_2
	ISO 2936-2,5 key	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque T-handle	FS2041	FS2041	FS2041
	Interchangeable blade	FS2047 (T15IP)		FS2047 (T15IP)
	Interchangeable blade	FS2048 (T20IP)	FS2048 (T20IP)	
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Screwdriver	FS1485 (T15IP)		FS1485 (T15IP)
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Screwdriver	FS1486 (T20IP)	FS1486 (T20IP)	
	Torque screwdriver, analogue	FS2003		FS2003
	Torque screwdriver, digital	FS2248		FS2248

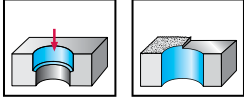
# Double-edged boring tool

**B5560** 

## Walter Boring XT

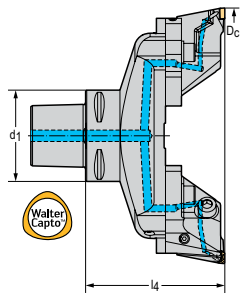
- Symmetrical, asymmetrical and axial-radial offset rough boring (ARS)
- Basic body/bridge can also be used with B5120

$D_c$ 148-620	$Z=2$	$\kappa=90^\circ$
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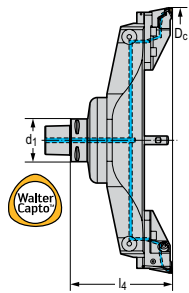


	P	M	K	N	S	H	O
B5560	●	●	●	●	●		

### Tool



Walter Capto™ in acc. with ISO 26623



Walter Capto™ in acc. with ISO 26623

Designation	$D_c$ mm	$d_1$	$l_4$ mm	kg	Type
B5560-148-200-C8-P400	148-200	C8	122	7	P4160-2R ..
B5560-198-250-C8-P400	198-250	C8	122	8,2	
B5560-248-300-C8-P400	248-300	C8	122	9,2	
B5560-298-380-C8-P400	298-380	C8	179	15,5	P4160-2R ..
B5560-378-460-C8-P400	378-460	C8	184	17,3	
B5560-458-540-C8-P400	458-540	C8	189	19,2	
B5560-538-620-C8-P400	538-620	C8	194	21,6	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	Type	P4160-2R ..
	Wedge set	FK398
	Clamping screw	FS2662 (SW 8)
	Clamping screw for indexable insert	FS2079 (T9IP) 2 Nm
	Circlip	FS2663
	Washer	FS2647
	Coolant screw	FS2671 (SW 2.5)
	Adjustment set	FS2653 (SW 3)
	Stud	FS2654
	Disc spring	FS2650





Basic body		Bridge	Slider	Cartridge
	B5120-148-000-C8-B		EB723	EB728.P400
	B5120-198-000-C8-B		EB723	EB728.P400
	B5120-248-000-C8-B		EB723	EB728.P400
	B5120-298-000-C8-B	EB731	EB724	EB728.P400
	B5120-298-000-C8-B	EB732	EB724	EB728.P400
	B5120-298-000-C8-B	EB733	EB724	EB728.P400
	B5120-298-000-C8-B	EB734	EB724	EB728.P400

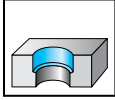
B 2

Accessories		
Type	P4160-2R ..	
	ISO 2936-2.5 key	ISO2936-2.5 (SW 2.5)
	ISO 2936-3 key	ISO2936-3 (SW 3)
	ISO 2936-8 key	ISO2936-8 (SW 8)
	Torque screwdriver, analogue	FS2003
	ISO 2936-4 key	ISO2936-4 (SW 4)
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2013 (T9IP)
	ISO 2936-10 key	ISO2936-10 (SW 10)
	Screwdriver	FS1484 (T9IP)
	ISO 2936-14 key	ISO2936-14 (SW 14)

# Double-edged boring tool

 B3221 / B3220 mm
**Walter Boring** MEDIUM

$D_c$ 20-41	$\kappa=90^\circ$	$Z=2$
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	P	M	K	N	S	H	O
B3221	●●	●●	●●	●	●●		
B3220	●●	●●	●●	●	●●		

B2

**Tool**

Designation	$D_c$ mm	$d_1$	$l_4$ mm	$l_{4.1}$ mm	kg	Type
 B3221.C3.020-024.Z2.CC06 B3221.C3.023-027.Z2.CC06 B3221.C3.026-033.Z2.CC06 Walter Capto™ in acc. with ISO 26623	20-24	C3	80		0,2	CC .. 0602 ..
	23-27	C3	80		0,2	
	26-33	C3	80		0,2	
 B3220.C3.033-041.Z2.CC06 Walter Capto™ in acc. with ISO 26623	33-41	C3	80	80,2	0,4	CC .. 0602 ..

Bodies and assembly parts are included in the scope of delivery

**Assembly parts**

Type	CC .. 0602 ..
 Clamping screw for cartridge	FS1093 (SW 3) 4 Nm
 Clamping screw for indexable insert	FS923 (T8) 0,8 Nm
 Conical spring washer for cartridge	FS1098
 Adjusting screw for cartridge	FS1103 (SW 1,3)



Basic body		Cartridge
	B3221G.C3.020-027.Z2	EB401.CC06
	B3221G.C3.020-027.Z2	EB402.CC06
	B3221G.C3.026-035.Z2	EB403.CC06
	B3220G.C3.033-044.Z2	EB205-206.CC06

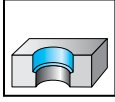
B 2

Accessories		
	Type	CC .. 0602 ..
	Screwdriver	FS230 (T8)
	ISO 2936-1,3 key	ISO2936-1,3 (SW 1,3)
	ISO 2936-3 key	ISO2936-3 (SW 3)
	ARS cartridge	EB401-1.CC06 (ARS)

# Double-edged boring tool

 B3221 / B3220 
**Walter Boring** MEDIUM

$D_c$ 20-41	$\kappa=90^\circ$	$Z=2$
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	P	M	K	N	S	H	O
B3221	●●	●●	●●	●	●●		
B3220	●●	●●	●●	●	●●		

B2

**Tool**

Designation	$D_c$ mm	$d_1$	$l_4$ mm	$l_{4,1}$ mm	kg	Type
B3221.T18.20-24.Z2.CC06	20-24	T18	35		0,1	CC .. 0602 ..
B3221.T18.23-27.Z2.CC06	23-27	T18	35		0,1	
B3221.T22.26-33.Z2.CC06	26-33	T22	40		0,1	
B3220.T28.33-41.Z2.CC06	33-41	T28	55	55,2	0,3	CC .. 0602 ..

Bodies and assembly parts are included in the scope of delivery

**Assembly parts**

Type	CC .. 0602 ..
Conical spring washer for cartridge	FS1098
Clamping screw for indexable insert	FS923 (T8) 0,8 Nm
Clamping screw for cartridge	FS1093 (SW 3) 4 Nm
Adjusting screw for cartridge	FS1103 (SW 1,3)



Basic body		Cartridge
	B3221G.T18.20-27.Z2	EB401.CC06
	B3221G.T18.20-27.Z2	EB402.CC06
	B3221G.T22.26-33.Z2	EB403.CC06
	B3220G.T28.33-41.Z2	EB205-206.CC06

B 2

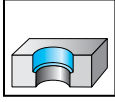
Accessories		
	Type	CC .. 0602 ..
	Screwdriver	FS230 (T8)
	ISO 2936-1,3 key	ISO2936-1,3 (SW 1,3)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)
	ISO 2936-4 key	ISO2936-4 (SW 4)
	ARS cartridge	EB401-1.CC06 (ARS)

# Double-edged boring tool

B3220

**Walter Boring** MEDIUM

$D_c$ 41-153	$\kappa=90^\circ$	Z=2
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	P	M	K	N	S	H	O
B3220	●	●	●	●	●		

## Tool

Designation	$D_c$ mm	$d_1$	$l_4$ mm	$l_{4.1}$ mm	kg	Type
B3220.C4.041-055.Z2.CC09	41-55	C4	80	80,3	0,6	CC .. 09T3 ..
B3220.C5.055-070.Z2.CC09	55-70	C5	100	100,3	1,3	
B3220.C6.070-090.Z2.CC12	70-90	C6	110	110,3	2,2	CC .. 1204 ..
B3220.C8.090-110.Z2.CC12	90-110	C8	110	110,3	3,8	
B3220.C8.110-133.Z2.CC12	110-133	C8	110	110,3	4,4	
B3220.C8.130-153.Z2.CC12	130-153	C8	110	110,3	4,4	

Walter Capto™ in acc. with ISO 26623

Walter Capto™ in acc. with ISO 26623

Bodies and assembly parts are included in the scope of delivery

## Assembly parts

Type	CC .. 09T3 ..	CC .. 1204 ..
Conical spring washer for cartridge	FS1100	FS1101
Clamping screw for indexable insert	FS359 (T15) 2,5 Nm	FS1030 (T20) 5 Nm
Clamping screw for cartridge	FS1095 (SW 4) 12 Nm	FS1096 (SW 6) 30 Nm
Adjusting screw for cartridge	FS1106 (SW 2)	FS1107 (SW 2,5)



Basic body		Cartridge
	B3220G.C4.041-056.Z2	EB207-208.CC09
	B3220G.C5.055-073.Z2	EB209-210.CC09
	B3220G.C6.070-093.Z2	EB211-212.CC12
	B3220G.C8.090-113.Z2	EB213-214.CC12
	B3220G.C8.110-153.Z2	EB215.CC12
	B3220G.C8.110-153.Z2	EB216.CC12

B2

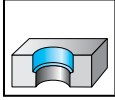
Accessories			
	Type	CC .. 09T3 ..	CC .. 1204 ..
	Screwdriver	FS229 (T15)	FS228 (T20)
	ISO 2936-2 key	ISO2936-2 (SW 2)	
	ISO 2936-2,5 key		ISO2936-2,5 (SW 2,5)
	ISO 2936-5 key	ISO2936-5 (SW 5)	
	ISO 2936-6 key		ISO2936-6 (SW 6)
	ARS cartridge	EB207-208-1.CC09 (ARS)	
	ISO 2936-8 key		ISO2936-8 (SW 8)
	ARS cartridge		EB211-212-1.CC12 (ARS)

# Double-edged boring tool

B3220

**Walter Boring** MEDIUM

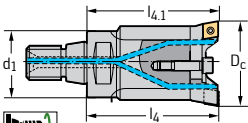
$D_c$ 41-153	$\kappa=90^\circ$	Z=2
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	P	M	K	N	S	H	O
B3220	●	●	●	●	●		

## Tool

Designation	$D_c$ mm	$d_1$	$l_4$ mm	$l_{4,1}$ mm	 kg	Type
B3220.T36.41-55.Z2.CC09	41-55	T36	65	65,3	0,5	CC .. 09T3 ..
B3220.T45.55-70.Z2.CC09	55-70	T45	80	80,3	0,9	



ScrewFit

Bodies and assembly parts are included in the scope of delivery

## Assembly parts

	Type	CC .. 09T3 ..
	Conical spring washer for cartridge	FS1100
	Clamping screw for indexable insert	FS359 (T15) 2,5 Nm
	Clamping screw for cartridge	FS1095 (SW 4) 12 Nm
	Adjusting screw for cartridge	FS1106 (SW 2)





Basic body		Cartridge
	B3220G.T36.41-55.Z2	EB207-208.CC09
	B3220G.T45.55-70.Z2	EB209-210.CC09

B2

Accessories		
	Type	CC .. 09T3 ..
	Screwdriver	FS229 (T15)
	ISO 2936-2 key	IS02936-2 (SW 2)
	ISO 2936-5 key	IS02936-5 (SW 5)
	ARS cartridge	EB207-208-1.CC09 (ARS)

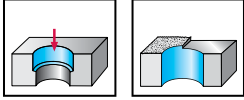
# Double-edged boring tool

**B5460** 

## Walter Boring XT

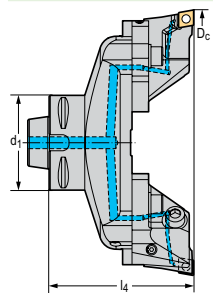
- Symmetrical, asymmetrical and axial-radial offset rough boring (ARS)
- Basic body/bridge can also be used with B5120

D <sub>c</sub> 148- 620	Z=2	κ=90°
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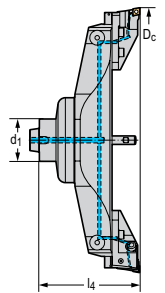


	P	M	K	N	S	H	O
B5460	●	●	●	●	●		

### Tool



Modular NCT adaptor



Modular NCT adaptor

Designation	D <sub>c</sub> mm	d <sub>1</sub>	l <sub>4</sub> mm	kg	Type
B5460-148-200-N8-CC12	148-200	NCT 80	122	6,5	CC .. 1204 ..
B5460-198-250-N8-CC12	198-250	NCT 80	122	7,7	
B5460-248-300-N8-CC12	248-300	NCT 80	122	8,7	
B5460-298-380-N8-CC12	298-380	NCT 80	179	15	CC .. 1204 ..
B5460-378-460-N8-CC12	378-460	NCT 80	184	16,8	
B5460-458-540-N8-CC12	458-540	NCT 80	189	18,7	
B5460-538-620-N8-CC12	538-620	NCT 80	194	21,1	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 1204 ..	CN .. 1906 ..	WWAL_BE1204_2
Wedge set	FK398	FK398	FK398
Clamping screw	FS2662 (SW 8)	FS2662 (SW 8)	FS2662 (SW 8)
Clamping screw for indexable insert	FS2658 (15IP) 3 Nm		FS2658 (15IP) 3 Nm
Circlip	FS2663	FS2663	FS2663
Shim	AP197	AP198	AP199
Washer	FS2647	FS2647	FS2647
Coolant screw	FS2671 (SW 2.5)	FS2671 (SW 2.5)	FS2671 (SW 2.5)
Clamping screw for shim	FS2660 (SW 4)	FS2661 (20IP) 6,4 Nm	FS2660 (SW 4)
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)	FS2653 (SW 3)
Stud	FS2654	FS2654	FS2654
Disc spring	FS2650	FS2650	FS2650
RC clamp		FS2659	



	Basic body	Bridge	Slider	Cartridge
	B5120-148-000-N8-B		EB723	EB725.CC12
	B5120-198-000-N8-B		EB723	EB725.CC12
	B5120-248-000-N8-B		EB723	EB725.CC12
	B5120-298-000-N8-B	EB731	EB724	EB725.CC12
	B5120-298-000-N8-B	EB732	EB724	EB725.CC12
	B5120-298-000-N8-B	EB733	EB724	EB725.CC12
	B5120-298-000-N8-B	EB734	EB724	EB725.CC12

B2

Accessories			
	Type	CC .. 1204 ..-WWAL_BE1204_2	CN .. 1906 ..
	ISO 2936-2,5 key	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque T-handle	FS2041	FS2041
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	Interchangeable blade	FS2047 (T15IP)	FS2048 (T20IP)
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Screwdriver	FS1485 (T15IP)	FS1486 (T20IP)
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Torque screwdriver, analogue	FS2003	
	Torque screwdriver, digital	FS2248	

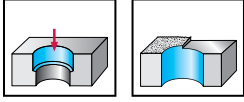
# Double-edged boring tool

**B5460** 

## Walter Boring XT

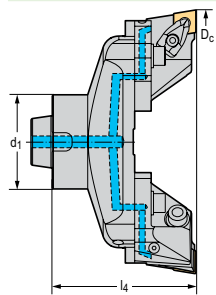
- Symmetrical, asymmetrical and axial-radial offset rough boring (ARS)
- Basic body/bridge can also be used with B5120

$D_c$ 148- 620	$Z=2$	$\kappa=90^\circ$
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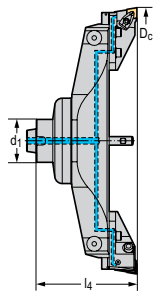


	P	M	K	N	S	H	O
B5460	●	●	●	●	●		

### Tool



Modular NCT adaptor



Modular NCT adaptor

Designation	$D_c$ mm	$d_1$	$l_4$ mm	kg	Type
B5460-148-200-N8-CN19	148-200	NCT 80	122	6,5	CN .. 1906 ..
B5460-198-250-N8-CN19	198-250	NCT 80	122	7,7	
B5460-248-300-N8-CN19	248-300	NCT 80	122	8,8	
B5460-298-380-N8-CN19	298-380	NCT 80	179	15,1	CN .. 1906 ..
B5460-378-460-N8-CN19	378-460	NCT 80	184	16,8	
B5460-458-540-N8-CN19	458-540	NCT 80	189	18,8	
B5460-538-620-N8-CN19	538-620	NCT 80	194	21,2	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 1204 ..	CN .. 1906 ..	WWAL_BE1204_2
Wedge set	FK398	FK398	FK398
Clamping screw	FS2662 (SW 8)	FS2662 (SW 8)	FS2662 (SW 8)
Clamping screw for indexable insert	FS2658 (15IP) 3 Nm		FS2658 (15IP) 3 Nm
Circlip	FS2663	FS2663	FS2663
Shim	AP197	AP198	AP199
Washer	FS2647	FS2647	FS2647
Coolant screw	FS2671 (SW 2.5)	FS2671 (SW 2.5)	FS2671 (SW 2.5)
Clamping screw for shim	FS2660 (SW 4)	FS2661 (20IP) 6,4 Nm	FS2660 (SW 4)
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)	FS2653 (SW 3)
Stud	FS2654	FS2654	FS2654
Disc spring	FS2650	FS2650	FS2650
RC clamp		FS2659	



Basic body		Bridge	Slider	Cartridge
	B5120-148-000-N8-B		EB723	EB726.CN19
	B5120-198-000-N8-B		EB723	EB726.CN19
	B5120-248-000-N8-B		EB723	EB726.CN19
	B5120-298-000-N8-B	EB731	EB724	EB726.CN19
	B5120-298-000-N8-B	EB732	EB724	EB726.CN19
	B5120-298-000-N8-B	EB733	EB724	EB726.CN19
	B5120-298-000-N8-B	EB734	EB724	EB726.CN19

B2

Accessories			
	Type	CC .. 1204 ...-WWAL_BE1204_2	CN .. 1906 ..
	ISO 2936-2,5 key	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque T-handle	FS2041	FS2041
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	Interchangeable blade	FS2047 (T15IP)	FS2048 (T20IP)
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Screwdriver	FS1485 (T15IP)	FS1486 (T20IP)
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Torque screwdriver, analogue	FS2003	
	Torque screwdriver, digital	FS2248	

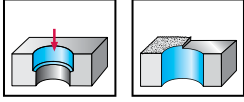
# Double-edged boring tool

**B5460** 

## Walter Boring XT

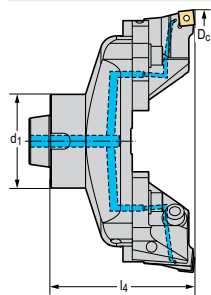
- Symmetrical, asymmetrical and axial-radial offset rough boring (ARS)
- Basic body/bridge can also be used with B5120

$D_c$ 148- 620	$Z=2$	$\kappa=90^\circ$
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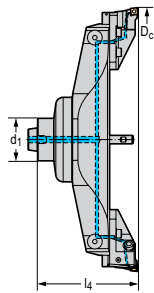


	P	M	K	N	S	H	O
B5460	●	●	●	●	●		

### Tool



Modular NCT adaptor



Modular NCT adaptor

Designation	$D_c$ mm	$d_1$	$l_4$ mm	kg	Type
B5460-148-200-N8-SC12	148-200	NCT 80	122	6,5	WWAL_ BE1204_2
B5460-198-250-N8-SC12	198-250	NCT 80	122	7,5	
B5460-248-300-N8-SC12	248-300	NCT 80	122	8,7	
B5460-298-380-N8-SC12	298-380	NCT 80	179	15	WWAL_ BE1204_2
B5460-378-460-N8-SC12	378-460	NCT 80	184	16,8	
B5460-458-540-N8-SC12	458-540	NCT 80	189	18,7	
B5460-538-620-N8-SC12	538-620	NCT 80	189	21,1	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	CC .. 1204 ..	CN .. 1906 ..	WWAL_BE1204_2
Wedge set	FK398	FK398	FK398
Clamping screw	FS2662 (SW 8)	FS2662 (SW 8)	FS2662 (SW 8)
Clamping screw for indexable insert	FS2658 (15IP) 3 Nm		FS2658 (15IP) 3 Nm
Circlip	FS2663	FS2663	FS2663
Shim	AP197	AP198	AP199
Washer	FS2647	FS2647	FS2647
Coolant screw	FS2671 (SW 2.5)	FS2671 (SW 2.5)	FS2671 (SW 2.5)
Clamping screw for shim	FS2660 (SW 4)	FS2661 (20IP) 6,4 Nm	FS2660 (SW 4)
Adjustment set	FS2653 (SW 3)	FS2653 (SW 3)	FS2653 (SW 3)
Stud	FS2654	FS2654	FS2654
Disc spring	FS2650	FS2650	FS2650
RC clamp		FS2659	



	Basic body	Bridge	Slider	Cartridge
	B5120-148-000-N8-B		EB723	EB727.SC12
	B5120-198-000-N8-B		EB723	EB727.SC12
	B5120-248-000-N8-B		EB723	EB727.SC12
	B5120-298-000-N8-B	EB731	EB724	EB727.SC12
	B5120-298-000-N8-B	EB732	EB724	EB727.SC12
	B5120-298-000-N8-B	EB733	EB724	EB727.SC12
	B5120-298-000-N8-B	EB734	EB724	EB727.SC12

B2

Accessories			
	Type	CC .. 1204 ...-WWAL_BE1204_2	CN .. 1906 ..
	ISO 2936-2,5 key	ISO2936-2,5 (SW 2,5)	ISO2936-2,5 (SW 2,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)	ISO2936-3 (SW 3)
	ISO 2936-8 key	ISO2936-8 (SW 8)	ISO2936-8 (SW 8)
	Torque T-handle	FS2041	FS2041
	ISO 2936-4 key	ISO2936-4 (SW 4)	ISO2936-4 (SW 4)
	Interchangeable blade	FS2047 (T15IP)	FS2048 (T20IP)
	ISO 2936-10 key	ISO2936-10 (SW 10)	ISO2936-10 (SW 10)
	Screwdriver	FS1485 (T15IP)	FS1486 (T20IP)
	ISO 2936-14 key	ISO2936-14 (SW 14)	ISO2936-14 (SW 14)
	Torque screwdriver, analogue	FS2003	
	Torque screwdriver, digital	FS2248	

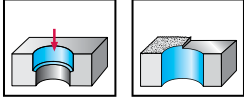
# Double-edged boring tool

**B5560** mm

## Walter Boring XT

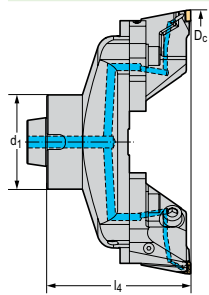
- Symmetrical, asymmetrical and axial-radial offset rough boring (ARS)
- Basic body/bridge can also be used with B5120

$D_c$ 148- 620	$Z=2$	$\kappa=90^\circ$
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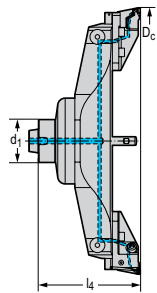


	P	M	K	N	S	H	O
B5560	●	●	●	●	●		

### Tool



Modular NCT adaptor



Modular NCT adaptor

Designation	$D_c$ mm	$d_1$	$l_4$ mm	kg	Type
B5560-148-200-N8-P400	148-200	NCT 80	122	6,5	P4160-2R ..
B5560-198-250-N8-P400	198-250	NCT 80	122	7,7	
B5560-248-300-N8-P400	248-300	NCT 80	122	8,8	
B5560-298-380-N8-P400	298-380	NCT 80	179	15	P4160-2R ..
B5560-378-460-N8-P400	378-460	NCT 80	184	16,8	
B5560-458-540-N8-P400	458-540	NCT 80	189	18,7	
B5560-538-620-N8-P400	538-620	NCT 80	194	21,1	

Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	Type	P4160-2R ..
	Wedge set	FK398
	Clamping screw	FS2662 (SW 8)
	Clamping screw for indexable insert	FS2079 (T9IP) 2 Nm
	Circlip	FS2663
	Washer	FS2647
	Coolant screw	FS2671 (SW 2.5)
	Adjustment set	FS2653 (SW 3)
	Stud	FS2654
	Disc spring	FS2650





Basic body		Bridge	Slider	Cartridge
	B5120-148-000-N8-B		EB723	EB728.P400
	B5120-198-000-N8-B		EB723	EB728.P400
	B5120-248-000-N8-B		EB723	EB728.P400
	B5120-298-000-N8-B	EB731	EB724	EB728.P400
	B5120-298-000-N8-B	EB732	EB724	EB728.P400
	B5120-298-000-N8-B	EB733	EB724	EB728.P400
	B5120-298-000-N8-B	EB734	EB724	EB728.P400

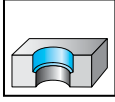
B2

Accessories		
Type		P4160-2R ..
	ISO 2936-2,5 key	ISO2936-2,5 (SW 2,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)
	ISO 2936-8 key	ISO2936-8 (SW 8)
	Torque screwdriver, analogue	FS2003
	ISO 2936-4 key	ISO2936-4 (SW 4)
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2013 (T9IP)
	ISO 2936-10 key	ISO2936-10 (SW 10)
	Screwdriver	FS1484 (T9IP)
	ISO 2936-14 key	ISO2936-14 (SW 14)

# Double-edged boring tool

 B3221 / B3220 
**Walter Boring** MEDIUM

$D_c$ 20-41	$\kappa=90^\circ$	$Z=2$
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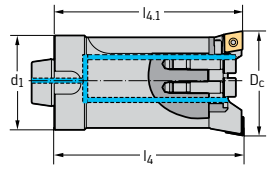


	P	M	K	N	S	H	O
B3221	●●	●●	●●	●	●●		
B3220	●●	●●	●●	●	●●		

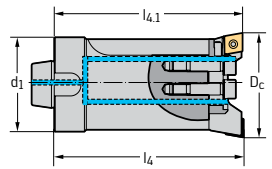
B2

**Tool**

Designation	$D_c$ mm	$d_1$	$l_4$ mm	$l_{4.1}$ mm	kg	Type
B3221.N2.020-024.Z2.CC06	20-24	NCT 25	80		0,2	CC .. 0602 ..
B3221.N2.023-027.Z2.CC06	23-27	NCT 25	80		0,2	
B3221.N2.026-033.Z2.CC06	26-33	NCT 25	80		0,2	
B3220.N3.033-041.Z2.CC06	33-41	NCT 32	80	80,2	0,4	CC .. 0602 ..



Modular NCT adaptor



Modular NCT adaptor

Bodies and assembly parts are included in the scope of delivery

**Assembly parts**

Type	CC .. 0602 ..
Conical spring washer for cartridge	FS1098
Clamping screw for indexable insert	FS923 (T8) 0,8 Nm
Clamping screw for cartridge	FS1093 (SW 3) 4 Nm
Adjusting screw for cartridge	FS1103 (SW 1,3)
Drive pin	FK311
Clamping screw for drive pin	FS502 (SW 2)



Basic body		Cartridge
	B3221G.N2.020-027.Z2	EB401.CC06
	B3221G.N2.020-027.Z2	EB402.CC06
	B3221G.N2.026-035.Z2	EB403.CC06
	B3220G.N3.033-044.Z2	EB205-206.CC06

B 2

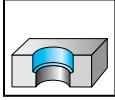
Accessories		
	Type	CC .. 0602 ..
	Screwdriver	FS230 (T8)
	ISO 2936-1,3 key	ISO2936-1,3 (SW 1,3)
	ISO 2936-1,5 key	ISO2936-1,5 (SW 1,5)
	ISO 2936-3 key	ISO2936-3 (SW 3)
	ISO 2936-4 key	ISO2936-4 (SW 4)
	ARS cartridge	EB401-1.CC06 (ARS)

# Double-edged boring tool

B3220

**Walter Boring** MEDIUM

$D_c$ 41-153	$\kappa=90^\circ$	Z=2
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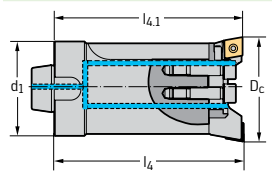


	P	M	K	N	S	H	O
B3220	●	●	●	●	●		

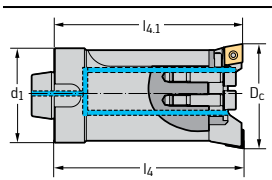
B2

## Tool

Designation	$D_c$ mm	$d_1$	$l_4$ mm	$l_{4,1}$ mm	kg	Type
B3220.N4.041-055.Z2.CC09	41-55	NCT 40	80	80,3	0,6	CC .. 09T3 ..
B3220.N5.055-070.Z2.CC09	55-70	NCT 50	100	100,3	1,1	
B3220.N6.070-090.Z2.CC12	70-90	NCT 63	100	100,3	1,8	CC .. 1204 ..
B3220.N8.090-110.Z2.CC12	90-110	NCT 80	100	100,3	2,9	
B3220.N8.110-133.Z2.CC12	110-133	NCT 80	100	100,3	3,4	
B3220.N8.130-153.Z2.CC12	130-153	NCT 80	100	100,3	3,6	



Modular NCT adaptor



Modular NCT adaptor

Bodies and assembly parts are included in the scope of delivery

## Assembly parts

Type	CC .. 09T3 ..	CC .. 1204 ..
Conical spring washer for cartridge	FS1100	FS1101
Clamping screw for indexable insert	FS359 (T15) 2,5 Nm	FS1030 (T20) 5 Nm
Clamping screw for cartridge	FS1095 (SW 4) 12 Nm	FS1096 (SW 6) 30 Nm
Adjusting screw for cartridge	FS1106 (SW 2)	FS1107 (SW 2,5)
Drive pin	FK313	
Clamping screw for drive pin	FS504 (SW 2,5)	



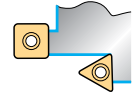
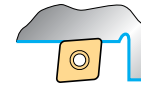
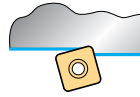
	Basic body	Cartridge
	B3220G.N4.041-056.Z2	EB207-208.CC09
	B3220G.N5.055-073.Z2	EB209-210.CC09
	B3220G.N6.070-093.Z2	EB211-212.CC12
	B3220G.N8.090-113.Z2	EB213-214.CC12
	B3220G.N8.110-153.Z2	EB215.CC12
	B3220G.N8.110-153.Z2	EB216.CC12

B2

Accessories			
	Type	CC .. 09T3 ..	CC .. 1204 ..
	Screwdriver	FS229 (T15)	FS228 (T20)
	ISO 2936-2 key	ISO2936-2 (SW 2)	
	ISO 2936-2,5 key		ISO2936-2,5 (SW 2,5)
	ISO 2936-5 key	ISO2936-5 (SW 5)	
	ISO 2936-6 key		ISO2936-6 (SW 6)
	ARS cartridge	EB207-208-1.CC09 (ARS)	
	ISO 2936-8 key		ISO2936-8 (SW 8)
	ARS cartridge		EB211-212-1.CC12 (ARS)

## ISO cartridges

Machining



Approach angle	45°	75°	75°	90°	90°
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Designation	PSSN...CA	PSKN...CA	SSKC-09...CA	PCFN...CA	PTFN...CA
-------------	-----------	-----------	--------------	-----------	-----------

Indexable insert types					
	SN..	SN..	SC..	CN..	TN..

Insert size l [mm]	12	9-19	9	12	16
--------------------	----	------	---	----	----

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

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

D <sub>c min</sub> [mm]	50	40 / 50 / 60 / 70 / 100	40	50	50
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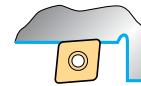
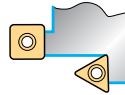
Page in catalogue	B 599	B 598	B 602	B 596	B 600
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QR code



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



Approach angle	90°	90°	90°	95°	95°
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Designation	SCFC...CA	STFC...CA	SWFC...CA	PCLN...CA	SCLC...CA
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Indexable insert types					
	CC..		WC..	CN..	CC..

Insert size l [mm]	9-12	9-11	6	12-19	9-12
--------------------	------	------	---	-------	------

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

Adjustment accuracy [mm]					
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D <sub>c min</sub> [mm]	40 / 50	25 / 40	40	50 / 60 / 70 / 100	40 / 50
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Page in catalogue	B 601	B 603	B 604	B 597	B 601
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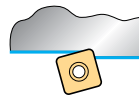
QR code



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

Machining



Approach angle	105°
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Designation SSRC-12...CA

Indexable insert types	
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Insert size l [mm]	9
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Clamping system	Screw
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Adjustment accuracy [mm]	
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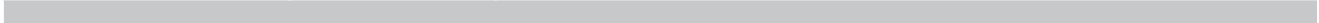
D <sub>c min</sub> [mm]	40
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QR code



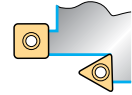
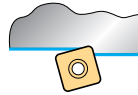
[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/) SSRC-12-CA



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
Clamping system	Screw	Screw	Screw	Screw	Screw
Adjustment accuracy [mm]					
D <sub>c min</sub> [mm]	20	20	20	20 / 25	20
Page in catalogue	B 609	B 606	B 606	B 609	B 606

QR code


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

FR701

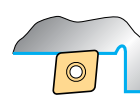
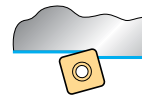
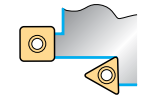
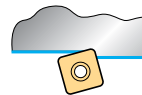
FR675

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
Clamping system	Screw	Screw	Screw	Screw	Screw
Adjustment accuracy [mm]					
D <sub>c min</sub> [mm]	20	20	20	14,5 / 20	20
Page in catalogue	B 609	B 606	B 609	B 605	B 606

QR code


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

Clamping system Screw

Adjustment accuracy [mm]

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

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QR code

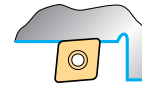
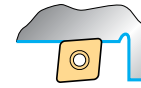
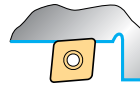
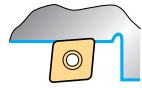


[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/) FR680

B 2

## Walter precision boring cartridges

Machining



Approach angle

90°

90°

90°

90°

95°



Designation

FR/FL 709

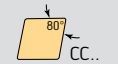
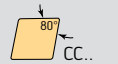
FR/FL 710

FR760

FR761

FR/FL 711

Indexable insert types



Insert size l [mm]

11

6

11

6

4

Clamping system

Screw

Screw

Screw

Screw

Screw

Adjustment accuracy [mm]

0,01

0,01

0,002

0,002

0,01

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

36

28

28

28

28

Page in catalogue

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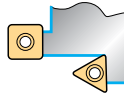
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B 611

QR code


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

Machining



Approach angle

95°

95°

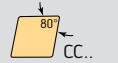
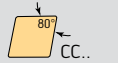


Designation

FR/FL 717

FR763

Indexable insert types



Insert size l [mm]

6

6

Clamping system

Screw

Screw

Adjustment accuracy [mm]

0,01

0,002

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

28

28

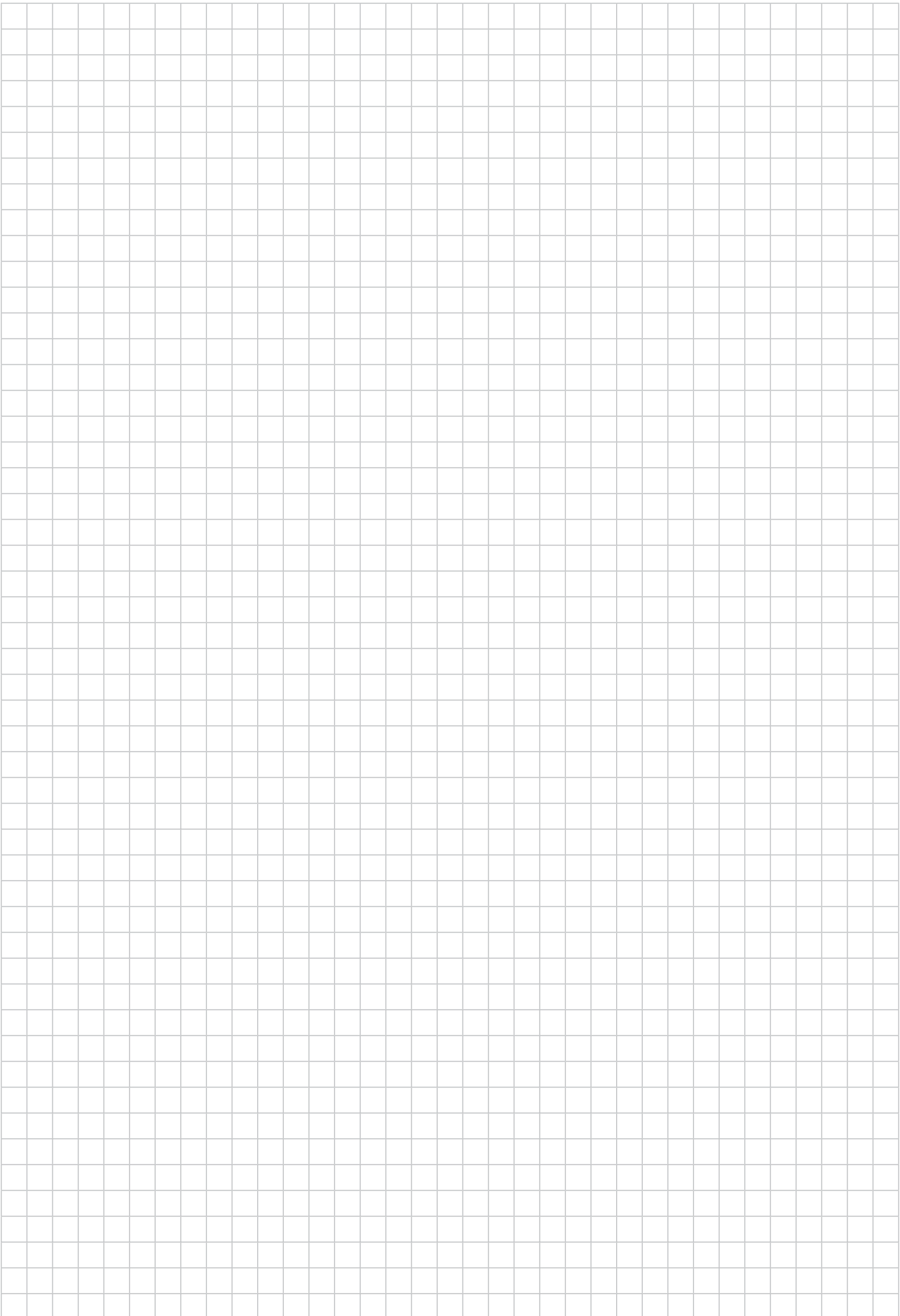
Page in catalogue

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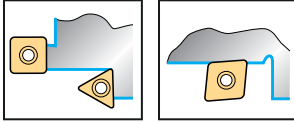

[www.walter-tools.com/woc/](http://www.walter-tools.com/woc/)
[FR-FL-717](#)
[FR763](#)



B2

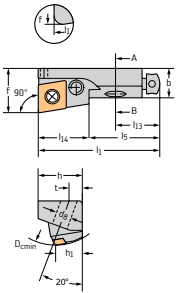
# ISO cartridge

## PCFN...CA



### Tool

Designation	$h_1$ mm	b mm	$D_{cmin}$ mm	$d_8$ mm	$l_{13}$ mm	f mm	h mm	$l_1$ mm	$l_5$ mm	t mm	Type
PCFNR12CA-12	12	13,3	50	7	20	20	20	47	32	6	CN .. 1204 ..



Bodies and assembly parts are included in the scope of delivery

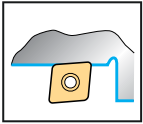
### Assembly parts

Type	Type	CN .. 1204 ..
$h_1$ [mm]		12
	Lever	KN109
	Clamping screw for indexable insert Tightening torque	FS332 (SW 2,5) 2,5 Nm
	Adjusting screw, axial	FS335
	Adjusting screw, radial	FS334 (SW 2)
	Fastening screw	FS977 (T30)

### Accessories

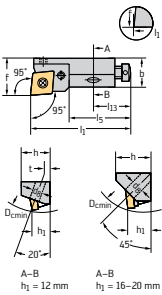
Type	Type	CN .. 1204 ..
$h_1$ [mm]		12
	ISO 2936 key	ISO2936-2.5 (SW 2,5)
	Handle key	FS1175 (T30)

# ISO cartridge PCLN...CA



## Tool

Designation	$h_1$ mm	b mm	$D_{cmin}$ mm	$d_8$ mm	$l_{13}$ mm	f mm	h mm	$l_1$ mm	$l_5$ mm	t mm	Type
PCLNL12CA-12	12	16	50	7	20	20	20	55	28	6	CN .. 1204 ..
PCLNL16CA-12	16	20	60	9	25	25	25	63	35	0	
PCLNL20CA-16	20	20	70	9	30	25	30	70	40	0	CN .. 1606 ..
PCLNR12CA-12	12	16	50	7	20	20	20	55	28	6	CN .. 1204 ..
PCLNR16CA-12	16	20	60	9	25	25	25	63	35	0	
PCLNR20CA-16	20	20	70	9	30	25	30	70	40	0	CN .. 1606 ..
PCLNR25CA-19	25	25	100	11	30	32	33	90	62	0	CN .. 1906 ..



Bodies and assembly parts are included in the scope of delivery

## Assembly parts

Type $h_1$ [mm]	CN .. 1204 .. 12	CN .. 1204 .. 16	CN .. 1606 .. 20	CN .. 1906 .. 25
Shim		AP134-CN1216	AP135-CN1624	AP136-CN1924
Lever	KN109	KN121	KN104	KN106
Clamping screw for indexable insert Tightening torque	FS332 (SW 2,5) 2,5 Nm	FS2129 (SW 3) 5 Nm	FS354 (SW 3) 5 Nm	FS356 (SW 4) 10 Nm
Shim pin		RS102	RS103	RS104
Tapered assembly pin		MD101	MD102	MD102
Adjusting screw, axial	FS335	FS338	FS339	FS2575
Adjusting screw, radial	FS334 (SW 2)	FS337 (SW 2,5)	FS337 (SW 2,5)	FS974 (SW 3)
Fastening screw	FS977 (T30)	FS975 (T40)	FS975 (T40)	FS2578 (T50)

## Accessories

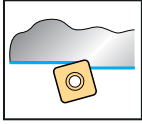
Type $h_1$ [mm]	CN .. 1204 .. 12	CN .. 1204 ..-CN .. 1606 .. 16-20	CN .. 1906 .. 25
ISO 2936 key	ISO2936-2.5 (SW 2,5)	ISO2936-3 (SW 3)	ISO2936-4 (SW 4)
Handle key	FS1175 (T30)	FS1176 (T40)	FS2577 (T45)

**WALTER  
SELECT**

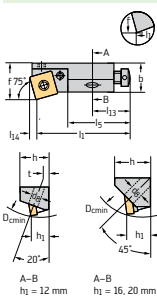
●● Primary application ● Other application  
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

B2

# ISO cartridge PSKN...CA



## Tool



Designation	h <sub>1</sub> mm	l <sub>14</sub> mm	b mm	D <sub>cmin</sub> mm	d <sub>g</sub> mm	l <sub>13</sub> mm	f mm	h mm	l <sub>1</sub> mm	l <sub>5</sub> mm	t mm	Type
PSKNL12CA-12	12	3,1	16	50	7	20	20	20	55	32	6	SN .. 1204 ..
PSKNL16CA-12	16	3,1	20	60	9	25	25	25	63	37	0	
PSKNR10CA-09	10	2,2	10	40	7	20	14	15	44	17	5	SN .. 0903 ..
PSKNR12CA-12	12	3,1	16	50	7	20	20	20	55	32	6	SN .. 1204 ..
PSKNR16CA-12	16	3,1	20	60	9	25	25	25	63	37	0	SN .. 1506 ..
PSKNR20CA-15	20	3,8	20	70	9	30	25	30	70	40	0	
PSKNR25CA-19	25	4,6	25	100	11	30	32	33	90	63	0	SN .. 1906 ..

Bodies and assembly parts are included in the scope of delivery

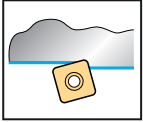
## Assembly parts

Type h <sub>1</sub> [mm]	SN .. 0903 .. 10	SN .. 1204 .. 12	SN .. 1204 .. 16	SN .. 1506 .. 20	SN .. 1906 .. 25
Shim			AP141-SN1216	AP142-SN1524	AP143-SN1924
Lever	KN126	KN109	KN121	KN104	KN106
Clamping screw for indexable insert Tightening torque	FS2182 (SW 2) 2 Nm	FS332 (SW 2,5) 2,5 Nm	FS2129 (SW 3) 5 Nm	FS354 (SW 3) 5 Nm	FS356 (SW 4) 10 Nm
Shim pin			RS102	RS103	RS104
Tapered assembly pin			MD101	MD102	MD102
Adjusting screw, axial	FS335	FS335	FS338	FS339	FS2575
Adjusting screw, radial	FS333 (SW 2)	FS333 (SW 2)	FS337 (SW 2,5)	FS337 (SW 2,5)	FS974 (SW 3)
Fastening screw	FS976 (T30)	FS977 (T30)	FS975 (T40)	FS975 (T40)	FS2578 (T50)

## Accessories

Type h <sub>1</sub> [mm]	SN .. 0903 .. 10	SN .. 1204 .. 12	SN .. 1204 ..- SN .. 1506 .. 16-20	SN .. 1906 .. 25
ISO 2936 key	ISO2936-2 (SW 2)	ISO2936-2,5 (SW 2,5)	ISO2936-3 (SW 3)	ISO2936-4 (SW 4)
Handle key	FS1175 (T30)	FS1175 (T30)	FS1176 (T40)	FS2577 (T45)

# ISO cartridge PSSN...CA



Tool		$h_1$ mm	$l_{14}$ mm	b mm	$D_{cmin}$ mm	$d_8$ mm	$l_{13}$ mm	f mm	h mm	$l_1$ mm	$l_5$ mm	t mm	Type
	Designation PSSNR12CA-12	12	8,3	15,5	50	7	20	20	20	38	30	6	SN .. 1204 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type $h_1$ [mm]	SN .. 1204 .. 12
	Lever		KN109
	Clamping screw for indexable insert Tightening torque		FS332 (SW 2,5) 2,5 Nm
	Adjusting screw, axial		FS335
	Adjusting screw, radial		FS333 (SW 2)
	Fastening screw		FS977 (T30)

Accessories		Type $h_1$ [mm]	SN .. 1204 .. 12
	ISO 2936 key		ISO2936-2,5 (SW 2,5)
	Handle key		FS1175 (T30)

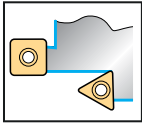


Primary application  
  Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

B2

# ISO cartridge

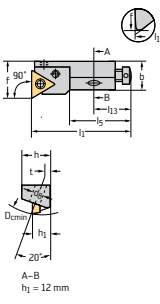
## PTFN...CA



B2

### Tool

Designation	$h_1$ mm	b mm	$D_{cmin}$ mm	$d_8$ mm	$l_{13}$ mm	f mm	h mm	$l_1$ mm	$l_5$ mm	t mm	Type
PTFNL12CA-16	12	16	50	7	20	20	20	55	32,5	6	TN .. 1604 ..
PTFNR12CA-16	12	15	50	7	20	20	20	55	32,5	6	



Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type	TN .. 1604 ..
		$h_1$ [mm]	12
	Lever		KN108
	Clamping screw for indexable insert Tightening torque		FS331 (SW 2) 2 Nm
	Adjusting screw, axial		FS335
	Adjusting screw, radial		FS333 (SW 2)
	Fastening screw		FS977 (T30)

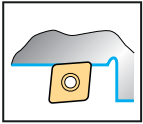
Accessories		Type	TN .. 1604 ..
		$h_1$ [mm]	12
	ISO 2936 key		ISO2936-2 (SW 2)
	Handle key		FS1175 (T30)

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



# ISO cartridge

## SCLC...CA / SCFC...CA



Tool		h <sub>1</sub> mm	b mm	D <sub>cmin</sub> mm	d <sub>g</sub> mm	l <sub>13</sub> mm	f mm	h mm	l <sub>1</sub> mm	l <sub>5</sub> mm	t mm	Type
	Designation											
	SCLCL10CA-09	10	11	40	7	20	14	15	50	33	5	CC .. 09T3 ..
	SCLCR10CA-09	10	11	40	7	20	14	15	50	33	5	CC .. 09T3 ..
	SCLCR12CA-12	12	16	50	7	20	20	20	55	32	6	CC .. 1204 ..
	Designation											
	SCFCL10CA-09	10	11	40	7	20	14	15	50	33	5	CC .. 09T3 ..
	SCFCL12CA-12	12	16	50	7	20	20	20	55	32	6	CC .. 1204 ..
	SCFCR10CA-09	10	11	40	7	20	14	15	50	33	5	CC .. 09T3 ..
	SCFCR12CA-12	12	16	50	7	20	20	20	55	32	6	CC .. 1204 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type h <sub>1</sub> [mm]	CC .. 09T3 .. 10	CC .. 1204 .. 12
	Clamping screw for indexable insert Tightening torque		FS359 (T15) 2,5 Nm	FS1029 (T20) 5 Nm
	Adjusting screw, axial		FS335	FS335
	Adjusting screw, radial		FS369 (SW 2)	FS334 (SW 2)
	Fastening screw		FS976 (T30)	FS976 (T30)

Accessories		Type h <sub>1</sub> [mm]	CC .. 09T3 .. 10	CC .. 1204 .. 12
	ISO 2936 key		ISO2936-2 (SW 2)	ISO2936-2 (SW 2)
	Screwdriver		FS229 (T15)	FS228 (T20)

**WALTER SELECT**

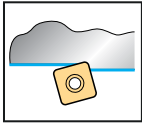
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

●● Primary application ● Other application

B2

## ISO cartridges

## SSRC-12...CA / SSKC-09...CA



B2

Tool		$h_1$ mm	$l_{14}$ mm	b mm	$D_{cmin}$ mm	$d_8$ mm	$l_{13}$ mm	f mm	h mm	$l_1$ mm	$l_5$ mm	t mm	Type
<p>SSRCR10CA-09</p>	Designation	10		11	40	7	20	14	15	50	33	5	SC .. 09T3 ..
<p>SSKCR10CA-09</p>	Designation	10	2,2	11	40	7	20	14	15	50	33	5	SC .. 09T3 ..

Bodies and assembly parts are included in the scope of delivery

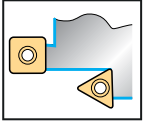
Assembly parts		Type $h_1$ [mm]	SC .. 09T3 .. 10
	Clamping screw for indexable insert Tightening torque		FS359 (T15) 2,5 Nm
	Adjusting screw, radial		FS369 (SW 2)
	Adjusting screw, axial		FS335
Accessories		Type $h_1$ [mm]	SC .. 09T3 .. 10
	ISO 7380 screw		FS976 (T30)
	Screwdriver		FS229 (T15)

**WALTER SELECT**

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

# ISO cartridge

## STFC...CA



Tool		$h_1$ mm	b mm	$D_{cmin}$ mm	$d_8$ mm	$l_{13}$ mm	f mm	h mm	$l_1$ mm	$l_5$ mm	t mm	Type
<p>A-B <math>h_1 = 10, 12 \text{ mm}</math></p>	Designation											
	STFCR08CA-09	8	6,6	25	4,5	17	10	9,4	32	22	4,5	TC .. 0902 ..
	STFCR10CA-11	10	11	40	7	20	14	15	50	33	5	TC .. 1102 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type $h_1$ [mm]	TC .. 0902 .. 8	TC .. 1102 .. 10
	Clamping screw for indexable insert Tightening torque		FS2149 (T7IP) 0,9 Nm	FS375 (T7) 0,8 Nm
	Adjusting screw, axial		FS1023	FS335
	Adjusting screw, radial		FS493 (SW 1,5)	FS369 (SW 2)
	Fastening screw		FS2106 (T15IP)	FS976 (T30)

Accessories		Type $h_1$ [mm]	TC .. 0902 .. 8	TC .. 1102 .. 10
	Screwdriver		FS2088 (T7IP)	FS309 (T7)
	Handle key		FS1485 (T15IP)	FS1175 (T30)

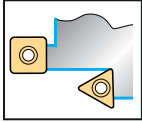
**WALTER SELECT** ●● Primary application ● Other application

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

B2

# ISO cartridge

## SWFC...CA



B2

Tool		$h_1$ mm	b mm	$D_{cmin}$ mm	$d_8$ mm	$l_{13}$ mm	f mm	h mm	$l_1$ mm	$l_5$ mm	t mm	Type
<p>SWFCR10CA-06</p> <p>Technical drawing details:                      - Top view: <math>95^\circ 30'</math> angle, dimensions <math>h_1</math>, <math>b</math>, <math>l_1</math>, <math>l_5</math>, <math>t</math>, <math>l_{13}</math>, <math>f</math>, <math>h</math>.                      - End view: <math>20^\circ</math> angle, dimensions <math>h_1</math>, <math>h</math>, <math>t</math>.                      - Detail view: <math>45^\circ</math> angle, dimensions <math>h_1</math>, <math>h</math>.                      - Notes: <math>A-B</math>, <math>h_1 = 10</math> mm.</p>	SWFCR10CA-06	10	11	40	7	20	14	15	50	33	5	WC .. 06T3 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type $h_1$ [mm]	WC .. 06T3 .. 10
	Clamping screw for indexable insert Tightening torque		FS359 (T15) 2,5 Nm
	Adjusting screw, radial		FS369 (SW 2)
	Adjusting screw, axial		FS335
Accessories		Type $h_1$ [mm]	WC .. 06T3 .. 10
	ISO 7380 screw		FS976 (T30)
	Screwdriver		FS229 (T15)

**WALTER SELECT**

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

# Mini cartridge

## FR680 / FR/FL 671



Tool		$h_1$ mm	b mm	$D_{cmin}$ mm	$d_8$ mm	$l_{13}$ mm	f mm	h mm	$l_1$ mm	$l_5$ mm	t mm	Type
	FR680		20	9,7	3,4	6	25		10,5	15,5	2,3	WC .. 0402 ..
	FL671		20	9,7	3,4	6	25		10,5		2,3	WC .. 06T3 ..
	FR670		14,5	8	3,4	6	25		10,5		2,3	CP .. 0502 ..
	FR671		20	9,7	3,4	6	25		10,5		2,3	WC .. 06T3 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type $h_1$ [mm]	CP .. 0502 .. 6	WC .. 0402 ..-WC .. 06T3 .. 6
	Clamping screw for indexable insert Tightening torque		FS1020 (T7) 0,6 Nm	FS924 (T8) 0,8 Nm
	Adjusting screw, radial		FS493 (SW 1,5)	FS493 (SW 1,5)
	Adjusting screw, axial		FS1023	FS1023
	Fastening screw		FS1024 (SW 2)	FS1024 (SW 2)

Accessories		Type $h_1$ [mm]	CP .. 0502 .. 6	WC .. 0402 ..-WC .. 06T3 .. 6
	Screwdriver		FS309 (T7)	FS230 (T8)

**WALTER SELECT**

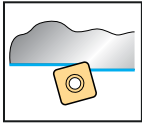
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

●● Primary application ● Other application

B2

# Mini cartridge

## FR675 / FR/FL 673 / FR674



B2

Tool		$l_{14}$ mm	$D_{cmin}$ mm	$f$ mm	$d_8$ mm	$h_1$ mm	$l_1$ mm	$l_{13}$ mm	$t$ mm	Type
	FR675	5,2	20	10,8	4,5	8	28	12	3,2	TC .. 1102 ..
	FL673	7,4	20	10,8	4,5	8	28	12	3,2	TC .. 1102 ..
	FR673	7,4	20	10,8	4,5	8	28	12	3,2	
	FR674	9,1	20	11	4,5	8	28	12	3,2	TC .. 1102 ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type	TC .. 1102 ..
		$h_1$ [mm]	8
	Clamping screw for indexable insert Tightening torque		FS375 (T7) 0,8 Nm
	Adjusting screw, radial		FS494 (SW 1,5)
	Adjusting screw, axial		FS1023
	Fastening screw		FS2106 (T15IP)

**WALTER  
SELECT**

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

Accessories		Type h <sub>1</sub> [mm]	TC .. 1102 .. 8
	Screwdriver		FS309 (T7)

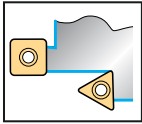
B2

**WALTER SELECT**

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

# Mini cartridge

## FR/FL 707 / FR/FL 672



B2

Tool		$l_{14}$ mm	$D_{cmin}$ mm	$f$ mm	$d_8$ mm	$h_1$ mm	$l_1$ mm	$l_{13}$ mm	$t$ mm	Type
	FR707	10,1	20	11	4,5	8	28	12	3,2	TC .. 1102 ..
	FL672		20	11	4,5	8	28	12	3,2	TC .. 1102 ..
	FR672		20	11	4,5	8	28	12	3,2	

Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type	TC .. 1102 ..
	Clamping screw for indexable insert Tightening torque	$h_1$ [mm]	8
	Adjusting screw, radial		FS375 (T7) 0,8 Nm
	Adjusting screw, axial		FS494 (SW 1,5)
	Fastening screw		FS1023
Accessories		Type	TC .. 1102 ..
	Screwdriver	$h_1$ [mm]	8
			FS2106 (T15IP)
			FS309 (T7)

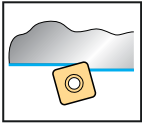
**WALTER SELECT**

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



# Mini cartridge

## FR701 / FR699



Tool		$l_{14}$ mm	$D_{cmin}$ mm	$f$ mm	$d_8$ mm	$h_1$ mm	$l_1$ mm	$l_{13}$ mm	$t$ mm	Type
	FR701	1,4	20	9,7	3,4	6	25	10,5	2,3	P284 . S-1N- ..
	FL704	4,6	25	11,5	4,5	8	28	12	3,2	P284 . S-2N- ..
	FR699	3,7	20	9,7	3,4	6	25	10,5	2,3	P284 . S-1N- ..

Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type $h_1$ [mm]	P284 . S-1N- .. 6	P284 . S-2N- .. 8
	Clamping screw for indexable insert Tightening torque		FS924 (T8) 0,8 Nm	FS1005 (T8) 1,5 Nm
	Adjusting screw, radial		FS493 (SW 1,5)	FS494 (SW 1,5)
	Adjusting screw, axial		FS1023	FS1023
	Fastening screw		FS1024 (SW 2)	FS2106 (T15IP)

Accessories		Type $h_1$ [mm]	P284 . S-1N- ...-P284 . S-2N- ... 6-8
	Screwdriver		FS230 (T8)

**WALTER SELECT**

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

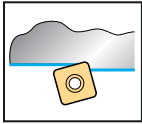
●● Primary application ● Other application

machining conditions

B2

# Mini cartridge

## FR698 / FR697



B2

Tool		$l_{14}$ mm	$D_{cmin}$ mm	f mm	$d_6$ mm	$h_1$ mm	$l_1$ mm	$l_{13}$ mm	t mm	Type
	FR698	4,8	20	9,7	3,4	6	25	10,5	2,3	P284 . S-1N- ..
	FR697	5,5	20	9,7	3,4	6	25	10,5	2,3	P284 . S-1N- ..

Bodies and assembly parts are included in the scope of delivery

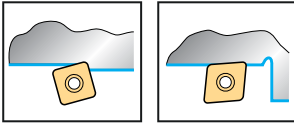
Assembly parts		Type	P284 . S-1N- ..
	Clamping screw for indexable insert Tightening torque	$h_1$ [mm]	6
	Adjusting screw, radial		FS924 (T8) 0,8 Nm
	Adjusting screw, axial		FS493 (SW 1,5)
	Fastening screw		FS1023
Accessories		Type	P284 . S-1N- ..
	Screwdriver	$h_1$ [mm]	6
			FS1024 (SW 2)
			FS230 (T8)

**WALTER SELECT**

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

# Precision boring cartridge

## FR/FL 710 / FR/FL 717



Tool		$D_{cmin}$ mm	f mm	$d_8$ mm	$h_1$ mm	$l_1$ mm	$l_{13}$ mm	t mm	Type
	FL710	28	16	4,5	8,5	49,5	9,3	1	CC .. 0602 ..
	FR710	28	16	4,5	8,5	49,5	9,3	1	
	FL717	28	16	4,5	8,5	49,5	9,3	1	CC .. 0602 ..
	FR717	28	16	4,5	8,5	49,5	9,3	1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts	Type $h_1$ [mm]	CC .. 0602 .. 8,5
Clamping screw for indexable insert Tightening torque		FS1129 (T8) 0,8 Nm
Adjusting screw, axial		FS1355 (SW 3)
Adjusting screw, radial		FS1356 (T8)
Fastening screw		FS1354 (SW 4)
Compression piece		FK369

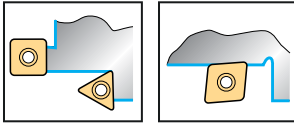
Accessories	Type $h_1$ [mm]	CC .. 0602 .. 8,5
Screwdriver		FS230 (T8)

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

B2

# Precision boring cartridge

## FR761 / FR763



B2

Tool		$D_{cmin}$ mm	f mm	$d_8$ mm	$h_1$ mm	$l_1$ mm	$l_{13}$ mm	t mm	Type	
<p>A-B</p>	Designation	FR761	28	16	5,5	8,5	49,5	13,5	1	CC .. 0602 ..
<p>A-B</p>	Designation	FR763	28	16	5,5	8,5	49,5	13,5	1	CC .. 0602 ..

Bodies and assembly parts are included in the scope of delivery

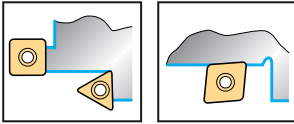
Assembly parts		Type	CC .. 0602 ..
		$h_1$ [mm]	8,5
	Clamping screw for indexable insert Tightening torque	FS1129 (T8)	0,8 Nm
	Adjusting screw, radial	FS2565 (T8)	
	Adjusting screw, axial	FS1355 (SW 3)	
	Fastening screw	FS1354 (SW 4)	
	Compression piece	FK369	
Accessories		Type	CC .. 0602 ..
		$h_1$ [mm]	8,5
	Screwdriver	FS230 (T8)	

**WALTER SELECT**

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

# Precision boring cartridge

## FR/FL 709 / FR/FL 711



Tool		$D_{cmin}$ mm	f mm	$d_8$ mm	$h_1$ mm	$l_1$ mm	$l_{13}$ mm	t mm	Type
<p>A-B</p>	FL709	36	20	4,5	8,5	49,5	9,3	1	TC .. 1102 ..
	FR709	36	20	4,5	8,5	49,5	9,3	1	
<p>A-B</p>	FL711	28	16	4,5	8,5	49,5	9,3	1	WC .. 0402 ..
	FR711	28	16	4,5	8,5	49,5	9,3	1	

Bodies and assembly parts are included in the scope of delivery

Assembly parts		Type $h_1$ [mm]	TC .. 1102 ..-WC .. 0402 .. 8,5
	Clamping screw for indexable insert Tightening torque		FS1129 (T8) 0,8 Nm
	Adjusting screw, axial		FS1355 (SW 3)
	Adjusting screw, radial		FS1356 (T8)
	Fastening screw		FS1354 (SW 4)
	Compression piece		FK369
Accessories		Type $h_1$ [mm]	TC .. 1102 ..-WC .. 0402 .. 8,5
	Screwdriver		FS230 (T8)

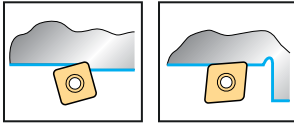
**WALTER SELECT** ●● Primary application ● Other application

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

B2

# Precision boring cartridge

## FR760



### Tool

	Designation	$D_{cmin}$ mm	f mm	$d_8$ mm	$h_1$ mm	$l_1$ mm	$l_{13}$ mm	t mm	Type
<p>A-B</p>	FR760	28	16	5,5	8,5	49,5	13,5	1	TC .. 1102 ..

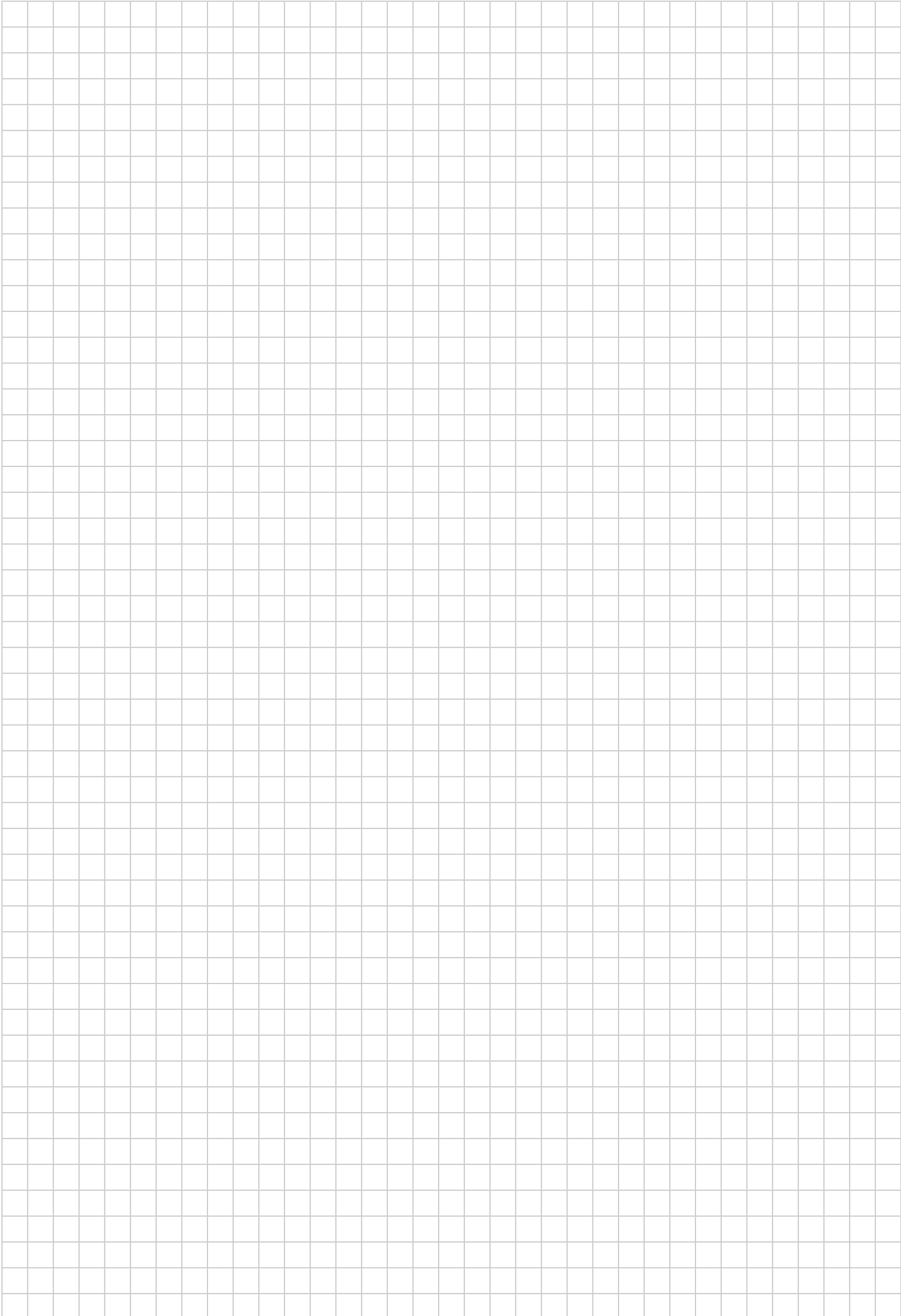
Bodies and assembly parts are included in the scope of delivery

### Assembly parts

	Type $h_1$ [mm]	TC .. 1102 .. 8,5
	Clamping screw for indexable insert Tightening torque	FS1129 (T8) 0,8 Nm
	Adjusting screw, radial	FS2565 (T8)
	Adjusting screw, axial	FS1355 (SW 3)
	Fastening screw	FS1354 (SW 4)
	Compression piece	FK369

### Accessories

	Type $h_1$ [mm]	TC .. 1102 .. 8,5
	Screwdriver	FS230 (T8)



B2

## HSS countersink

B2



Drilling depth



Designation	E6819TIN	Z3711TIN	E6819	E7819	E6818
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**Additional services**

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

Diameter range [mm]	1,5–4,2	–	1,3–4,2	3,2–22	1,6–6,3
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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/](http://www.walter-tools.com/woc/)

E6819TIN	Z3711TIN	E6819	E7819	E6818
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**WALTER SELECT**

●● Primary application ● Other application



# HSS countersink



Drilling depth



Designation E7818

Additional services

Standard	DIN 334
Coating / grade	uncoated
Shank	Morse taper

Diameter range [mm] 4-25

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

Page in catalogue B 623

QR code



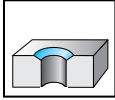
[www.walter-tools.com/woc/E7818](http://www.walter-tools.com/woc/E7818)

# 90° HSS countersinkers

## E6819TIN / E6819



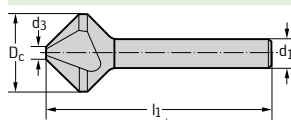
- E6819TIN available as a set



	P	M	K	N	S	H	O
TIN	●●	●●	●●	●●	●		●●
uncoated	●●	●●	●●	●●	●		●●

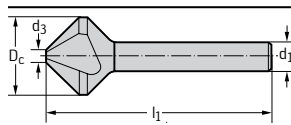
B2

### Tool



Cylindrical shank

Designation	D <sub>c</sub> mm	d <sub>3</sub> mm	l <sub>1</sub> mm	d <sub>1</sub> mm
E6819TIN-6	6	1,5	45	5
E6819TIN-6.3	6,3	1,5	45	5
E6819TIN-7	7	1,8	50	6
E6819TIN-8	8	2	50	6
E6819TIN-8.3	8,3	2	50	6
E6819TIN-10	10	2,5	50	6
E6819TIN-10.4	10,4	2,5	50	6
E6819TIN-11.5	11,5	2,8	56	8
E6819TIN-12.4	12,4	2,8	56	8
E6819TIN-15	15	3,2	60	10
E6819TIN-16.5	16,5	3,2	60	10
E6819TIN-19	19	3,5	63	10
E6819TIN-20.5	20,5	3,5	63	10
E6819TIN-23	23	3,8	67	10
E6819TIN-25	25	3,8	67	10
E6819TIN-31	31	4,2	71	12
E6819-4.3	4,3	1,3	40	4
E6819-5	5	1,5	40	4
E6819-5.3	5,3	1,5	40	4
E6819-5.8	5,8	1,5	45	5
E6819-6	6	1,5	45	5
E6819-6.3	6,3	1,5	45	5
E6819-7	7	1,8	50	6
E6819-7.3	7,3	1,8	50	6
E6819-8	8	2	50	6
E6819-8.3	8,3	2	50	6
E6819-9.4	9,4	2,2	50	6
E6819-10	10	2,5	50	6
E6819-10.4	10,4	2,5	50	6
E6819-11.5	11,5	2,8	56	8
E6819-12.4	12,4	2,8	56	8
E6819-13.4	13,4	2,9	56	8
E6819-15	15	3,2	60	10
E6819-16.5	16,5	3,2	60	10
E6819-19	19	3,5	63	10
E6819-20.5	20,5	3,5	63	10
E6819-23	23	3,8	67	10
E6819-25	25	3,8	67	10
E6819-30	30	4,2	71	12
E6819-31	31	4,2	71	12



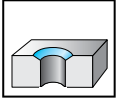
Cylindrical shank

**WALTER SELECT**

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

●● Primary application ● Other application

# 90° HSS E6819TIN countersinker set Z3711TIN



Tool				
	Designation	D <sub>cmin</sub> mm	D <sub>dmax</sub> mm	Quantity
	Z3711TIN-6.3-20.5	1,5	20,5	6

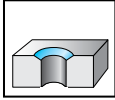
B2

**WALTER SELECT**

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

# 90° HSS countersinkers

## E7819



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

B2

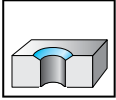
Tool		D <sub>c</sub> mm	d <sub>3</sub> mm	l <sub>1</sub> mm
<p>Morse taper</p>	Designation			
	E7819-15	15	3,2	85
	E7819-16.5	16,5	3,2	85
	E7819-19	19	3,5	100
	E7819-20.5	20,5	3,5	100
	E7819-23	23	3,8	106
	E7819-25	25	3,8	106
	E7819-26	26	3,8	106
	E7819-28	28	4	112
	E7819-30	30	4,2	112
	E7819-31	31	4,2	112
	E7819-34	34	4,5	118
	E7819-37	37	4,8	118
	E7819-40	40	10	140
	E7819-50	50	14	150
	E7819-63	63	16	180
	E7819-80	80	22	190

**WALTER SELECT**

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

# 60° HSS countersinkers

## E6818



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

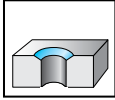
Tool		Designation	D <sub>c</sub> mm	d <sub>3</sub> mm	l <sub>1</sub> mm	d <sub>1</sub> mm
<p>Cylindrical shank</p>		E6818-6.3	6,3	1,6	45	5
		E6818-8	8	2	50	6
		E6818-12.5	12,5	3,2	56	8
		E6818-16	16	4	63	10
		E6818-20	20	5	67	10
		E6818-25	25	6,3	71	10

B2

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

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

**60° HSS countersinkers**  
**E7818**



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

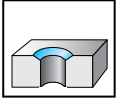
B2

Tool		D <sub>c</sub> mm	d <sub>3</sub> mm	l <sub>1</sub> mm	d <sub>1</sub> mm
 Morse taper	Designation				
	E7818-16	16	4	90	
	E7818-20	20	5	106	
	E7818-25	25	6,3	112	
	E7818-31.5	31,5	10	118	
	E7818-40	40	12,5	150	
	E7818-50	50	16	160	
	E7818-63	63	20	190	
E7818-80	80	25	200		

**WALTER SELECT**      ●● Primary application    ● Other application  
 Best tool for → Good = 😊    → Average = 😐    → Poor = 😞 machining conditions

# 60° HSS countersinkers

## E7818



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

Tool		Designation	D <sub>c</sub> mm	d <sub>3</sub> mm	l <sub>1</sub> mm	d <sub>1</sub> mm
<p>Morse taper</p>	E7818-16		16	4	90	
	E7818-20		20	5	106	
	E7818-25		25	6,3	112	
	E7818-31.5		31,5	10	118	
	E7818-40		40	12,5	150	
	E7818-50		50	16	160	
	E7818-63		63	20	190	
	E7818-80		80	25	200	

B2

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

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

## 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 catalogue	B 630	B 630	B 627	B 627	B 633
QR code					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	F2481TMS	F2481	F2482TMS	F2482	F2171

B3



## Solid carbide and HSS reamers

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





<b>Designation</b>	F2162	F1342	F1352	F1352HUN	F3234
<b>Cutting tool material</b>	Solid carbide	HSS	HSS	HSS	HSS
<b>Coating / grade</b>	uncoated	uncoated	uncoated	uncoated	uncoated
<b>Helix angle</b>	straight	straight	Left-hand	Left-hand	Left-hand
<b>Shank</b>	DIN 6535 HA	Cylindrical shank	Cylindrical shank	Cylindrical shank	Cylindrical shank
<b>Diameter range [mm]</b>	4–20	1–20	0,9–20	0,95–12	1–12
<b>P Steel</b>	●●	●●	●●	●●	●●
<b>M Stainless steel</b>	●●	●●	●●	●●	●●
<b>K Cast iron</b>	●●	●●	●●	●●	●●
<b>N NF metals</b>	●●	●●	●●	●●	●●
<b>S Materials with difficult cutting properties</b>	●●	●●	●●	●●	●●
<b>H Hard materials</b>	●				
<b>O Other</b>	●●	●●	●●	●●	●●
<b>Page in catalogue</b>	B 634	B 661	B 635	B 635	B 664
<b>QR code</b>					
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	F2162	F1342	F1352	F1352HUN	F3234

## Solid carbide and HSS reamers



Standard	DIN 206	DIN 859
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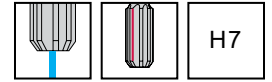


Designation	F1131	F1231
Cutting tool material	HSS	HSS
Coating / grade	uncoated	uncoated
Helix angle	Left-hand	Left-hand
Shank	Cylindrical shank	Parallel shank
Diameter range [mm]	1–32	8–30
<b>P</b> Steel	●●	●●
<b>M</b> Stainless steel		
<b>K</b> Cast iron	●●	●●
<b>N</b> NF metals	●●	●●
<b>S</b> Materials with difficult cutting properties		
<b>H</b> Hard materials		
<b>O</b> Other	●●	●●
Page in catalogue	B 666	B 665
QR code		
<a href="http://www.walter-tools.com/woc/">www.walter-tools.com/woc/</a>	F1131	F1231

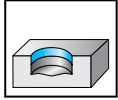
B3

# Solid carbide HSC reamers

## F2482TMS / F2482



- Tolerance for 1/100 size: +0.004 mm



	P	M	K	N	S	H	O
TMS	●●		●●	●●			
uncoated	●●		●●	●●			●●

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>3</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	d <sub>3</sub> mm	Z
<p>DIN 6535 HA</p>	F2482TMS-3.97	3,97	12	75	34	36	6	3,5	4
	F2482TMS-3.98	3,98	12	75	34	36	6	3,5	4
	F2482TMS-3.99	3,99	12	75	34	36	6	3,5	4
	F2482TMS-4	4	12	75	34	36	6	3,5	4
	F2482TMS-4.01	4,01	12	75	34	36	6	3,5	4
	F2482TMS-4.02	4,02	12	75	34	36	6	3,5	4
	F2482TMS-4.03	4,03	12	75	34	36	6	3,5	4
	F2482TMS-4.5	4,5	12	75	34	36	6	4	4
	F2482TMS-4.97	4,97	12	75	35	36	6	4,4	4
	F2482TMS-4.98	4,98	12	75	35	36	6	4,4	4
	F2482TMS-4.99	4,99	12	75	35	36	6	4,4	4
	F2482TMS-5	5	12	75	35	36	6	4,4	4
	F2482TMS-5.01	5,01	12	75	35	36	6	4,4	4
	F2482TMS-5.02	5,02	12	75	35	36	6	4,4	4
	F2482TMS-5.03	5,03	12	75	35	36	6	4,4	4
	F2482TMS-5.5	5,5	12	75	35	36	6	4,9	4
	F2482TMS-5.97	5,97	12	75	35	36	6	5,3	4
	F2482TMS-5.98	5,98	12	75	35	36	6	5,3	4
	F2482TMS-5.99	5,99	12	75	35	36	6	5,3	4
	F2482TMS-6	6	12	75	35	36	6	5,3	4
	F2482TMS-6.01	6,01	12	75	35	36	6	5,3	4
	F2482TMS-6.02	6,02	12	75	35	36	6	5,3	4
	F2482TMS-6.03	6,03	12	75	35	36	6	5,3	4
	F2482TMS-6.5	6,5	16	100	59	36	8	5,7	6
	F2482TMS-7	7	16	100	59	36	8	6,2	6
	F2482TMS-7.5	7,5	16	100	60	36	8	6,7	6
	F2482TMS-7.97	7,97	16	100	60	36	8	7,2	6
	F2482TMS-7.98	7,98	16	100	60	36	8	7,2	6
	F2482TMS-7.99	7,99	16	100	60	36	8	7,2	6
	F2482TMS-8	8	16	100	60	36	8	7,2	6
F2482TMS-8.01	8,01	16	100	60	36	8	7,2	6	
F2482TMS-8.02	8,02	16	100	60	36	8	7,2	6	
F2482TMS-8.03	8,03	16	100	60	36	8	7,2	6	
F2482TMS-8.5	8,5	20	100	55	40	10	7,7	6	
F2482TMS-9	9	20	100	55	40	10	8,2	6	
F2482TMS-9.5	9,5	20	120	76	40	10	8,7	6	

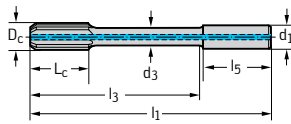
Ordering example for the grade TMS: F2482TMS-10

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

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

B3

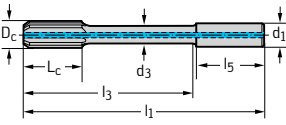
## Tool



DIN 6535 HA

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>3</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	d <sub>3</sub> mm	Z
F2482TMS-9.97	9,97	20	120	76	40	10	9	6
F2482TMS-9.98	9,98	20	120	76	40	10	9	6
F2482TMS-9.99	9,99	20	120	76	40	10	9	6
F2482TMS-10	10	20	120	76	40	10	9	6
F2482TMS-10.01	10,01	20	120	76	40	10	9	6
F2482TMS-10.02	10,02	20	120	76	40	10	9	6
F2482TMS-10.03	10,03	20	120	76	40	10	9	6
F2482TMS-10.5	10,5	20	120	70	45	12	9,5	6
F2482TMS-11	11	20	120	70	45	12	10	6
F2482TMS-11.5	11,5	20	120	71	45	12	10,5	6
F2482TMS-11.97	11,97	20	120	71	45	12	11	6
F2482TMS-11.98	11,98	20	120	71	45	12	11	6
F2482TMS-11.99	11,99	20	120	71	45	12	11	6
F2482TMS-12	12	20	120	71	45	12	11	6
F2482TMS-12.01	12,01	20	120	71	45	12	11	6
F2482TMS-12.02	12,02	20	120	71	45	12	11	6
F2482TMS-12.03	12,03	20	120	71	45	12	11	6
F2482TMS-13	13	22	130	80	45	14	11,5	6
F2482TMS-14	14	22	130	80	45	14	12,5	6
F2482TMS-15	15	22	130	77	48	16	13,5	6
F2482TMS-16	16	25	150	97	48	16	14,2	6
F2482TMS-17	17	25	150	97	48	18	15,2	6
F2482TMS-18	18	25	150	97	48	18	16,2	6
F2482TMS-19	19	25	150	95	50	20	17,2	6
F2482TMS-20	20	25	150	95	50	20	18,2	6
F2482-3.97	3,97	12	75	34	36	6	3,5	4
F2482-3.98	3,98	12	75	34	36	6	3,5	4
F2482-3.99	3,99	12	75	34	36	6	3,5	4
F2482-4	4	12	75	34	36	6	3,5	4
F2482-4.01	4,01	12	75	34	36	6	3,5	4
F2482-4.02	4,02	12	75	34	36	6	3,5	4
F2482-4.03	4,03	12	75	34	36	6	3,5	4
F2482-4.5	4,5	12	75	34	36	6	4	4
F2482-4.97	4,97	12	75	35	36	6	4,4	4
F2482-4.98	4,98	12	75	35	36	6	4,4	4
F2482-4.99	4,99	12	75	35	36	6	4,4	4
F2482-5	5	12	75	35	36	6	4,4	4
F2482-5.01	5,01	12	75	35	36	6	4,4	4
F2482-5.02	5,02	12	75	35	36	6	4,4	4
F2482-5.03	5,03	12	75	35	36	6	4,4	4
F2482-5.5	5,5	12	75	35	36	6	4,9	4
F2482-5.97	5,97	12	75	35	36	6	5,3	4
F2482-5.98	5,98	12	75	35	36	6	5,3	4
F2482-5.99	5,99	12	75	35	36	6	5,3	4
F2482-6	6	12	75	35	36	6	5,3	4
F2482-6.01	6,01	12	75	35	36	6	5,3	4

Ordering example for the grade TMS: F2482TMS-10

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>3</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	d <sub>3</sub> mm	Z
		F2482-6.02	6,02	12	75	35	36	6	5,3	4
		F2482-6.03	6,03	12	75	35	36	6	5,3	4
		F2482-6.5	6,5	16	100	59	36	8	5,7	6
		F2482-7	7	16	100	59	36	8	6,2	6
		F2482-7.5	7,5	16	100	60	36	8	6,7	6
		F2482-7.97	7,97	16	100	60	36	8	7,2	6
		F2482-7.98	7,98	16	100	60	36	8	7,2	6
		F2482-7.99	7,99	16	100	60	36	8	7,2	6
		F2482-8	8	16	100	60	36	8	7,2	6
		F2482-8.01	8,01	16	100	60	36	8	7,2	6
		F2482-8.02	8,02	16	100	60	36	8	7,2	6
		F2482-8.03	8,03	16	100	60	36	8	7,2	6
		F2482-8.5	8,5	20	100	55	40	10	7,7	6
		F2482-9	9	20	100	55	40	10	8,2	6
		F2482-9.5	9,5	20	120	76	40	10	8,7	6
		F2482-9.97	9,97	20	120	76	40	10	9	6
		F2482-9.98	9,98	20	120	76	40	10	9	6
		F2482-9.99	9,99	20	120	76	40	10	9	6
		F2482-10	10	20	120	76	40	10	9	6
		F2482-10.01	10,01	20	120	76	40	10	9	6
		F2482-10.02	10,02	20	120	76	40	10	9	6
		F2482-10.03	10,03	20	120	76	40	10	9	6
		F2482-10.5	10,5	20	120	70	45	12	9,5	6
	F2482-11	11	20	120	70	45	12	10	6	
	F2482-11.5	11,5	20	120	71	45	12	10,5	6	
	F2482-11.97	11,97	20	120	71	45	12	11	6	
	F2482-11.98	11,98	20	120	71	45	12	11	6	
	F2482-11.99	11,99	20	120	71	45	12	11	6	
	F2482-12	12	20	120	71	45	12	11	6	
	F2482-12.01	12,01	20	120	71	45	12	11	6	
	F2482-12.02	12,02	20	120	71	45	12	11	6	
	F2482-12.03	12,03	20	120	71	45	12	11	6	
	F2482-13	13	22	130	80	45	14	11,5	6	
	F2482-14	14	22	130	80	45	14	12,5	6	
	F2482-15	15	22	130	77	48	16	13,5	6	
	F2482-16	16	25	150	97	48	16	14,2	6	
	F2482-17	17	25	150	97	48	18	15,2	8	
	F2482-18	18	25	150	97	48	18	16,2	8	
	F2482-19	19	25	150	95	50	20	17,2	8	
	F2482-20	20	25	150	95	50	20	18,2	8	

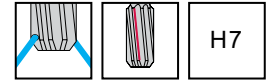
Ordering example for the grade TMS: F2482TMS-10

**WALTER  
SELECT**

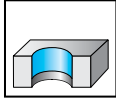
●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

# Solid carbide HSC reamers

## F2481TMS / F2481

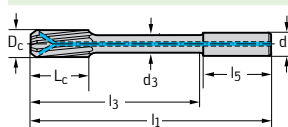


- Tolerance for 1/100 size: +0.004 mm



	P	M	K	N	S	H	O
TMS	●●		●●	●●			
uncoated	●●		●●	●●			●●

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>3</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	d <sub>3</sub> mm	Z
F2481TMS-3.97	3,97	12	75	34	36	6	3,4	4
F2481TMS-3.98	3,98	12	75	34	36	6	3,4	4
F2481TMS-3.99	3,99	12	75	34	36	6	3,4	4
F2481TMS-4	4	12	75	34	36	6	3,4	4
F2481TMS-4.01	4,01	12	75	34	36	6	3,4	4
F2481TMS-4.02	4,02	12	75	34	36	6	3,4	4
F2481TMS-4.03	4,03	12	75	34	36	6	3,4	4
F2481TMS-4.5	4,5	12	75	34	36	6	3,4	4
F2481TMS-4.97	4,97	12	75	35	36	6	3,8	4
F2481TMS-4.98	4,98	12	75	35	36	6	3,8	4
F2481TMS-4.99	4,99	12	75	35	36	6	3,8	4
F2481TMS-5	5	12	75	35	36	6	3,8	4
F2481TMS-5.01	5,01	12	75	35	36	6	3,8	4
F2481TMS-5.02	5,02	12	75	35	36	6	3,8	4
F2481TMS-5.03	5,03	12	75	35	36	6	3,8	4
F2481TMS-5.5	5,5	12	75	35	36	6	4,2	4
F2481TMS-5.97	5,97	12	75	35	36	6	4,5	4
F2481TMS-5.98	5,98	12	75	35	36	6	4,5	4
F2481TMS-5.99	5,99	12	75	35	36	6	4,5	4
F2481TMS-6	6	12	75	35	36	6	4,5	4
F2481TMS-6.01	6,01	12	75	35	36	6	4,5	4
F2481TMS-6.02	6,02	12	75	35	36	6	4,5	4
F2481TMS-6.03	6,03	12	75	35	36	6	4,5	4
F2481TMS-6.5	6,5	16	100	59	36	8	4,8	6
F2481TMS-7	7	16	100	59	36	8	5	6
F2481TMS-7.5	7,5	16	100	60	36	8	5,5	6
F2481TMS-7.97	7,97	16	100	60	36	8	6	6
F2481TMS-7.98	7,98	16	100	60	36	8	6	6
F2481TMS-7.99	7,99	16	100	60	36	8	6	6
F2481TMS-8	8	16	100	60	36	8	6	6
F2481TMS-8.01	8,01	16	100	60	36	8	6	6
F2481TMS-8.02	8,02	16	100	60	36	8	6	6
F2481TMS-8.03	8,03	16	100	60	36	8	6	6
F2481TMS-8.5	8,5	20	100	55	40	10	6,5	6
F2481TMS-9	9	20	100	55	40	10	7	6
F2481TMS-9.5	9,5	20	120	76	40	10	7,5	6

Ordering example for the grade TMS: F2481TMS-10

**WALTER  
SELECT**

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>3</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	d <sub>3</sub> mm	Z
<p>DIN 6535 HA</p>		F2481TMS-9.97	9,97	20	120	76	40	10	7,5	6
		F2481TMS-9.98	9,98	20	120	76	40	10	7,5	6
		F2481TMS-9.99	9,99	20	120	76	40	10	7,5	6
		F2481TMS-10	10	20	120	76	40	10	7,5	6
		F2481TMS-10.01	10,01	20	120	76	40	10	7,5	6
		F2481TMS-10.02	10,02	20	120	76	40	10	7,5	6
		F2481TMS-10.03	10,03	20	120	76	40	10	7,5	6
		F2481TMS-10.5	10,5	20	120	70	45	12	8	6
		F2481TMS-11	11	20	120	70	45	12	8,5	6
		F2481TMS-11.5	11,5	20	120	71	45	12	8,5	6
		F2481TMS-11.97	11,97	20	120	71	45	12	9	6
		F2481TMS-11.98	11,98	20	120	71	45	12	9	6
		F2481TMS-11.99	11,99	20	120	71	45	12	9	6
		F2481TMS-12	12	20	120	71	45	12	9	6
		F2481TMS-12.01	12,01	20	120	71	45	12	9	6
		F2481TMS-12.02	12,02	20	120	71	45	12	9	6
		F2481TMS-12.03	12,03	20	120	71	45	12	9	6
		F2481TMS-13	13	22	130	80	45	14	10	6
		F2481TMS-14	14	22	130	80	45	14	10,5	6
		F2481TMS-15	15	22	130	77	48	16	11,5	6
	F2481TMS-16	16	25	150	97	48	16	12	6	
	F2481TMS-17	17	25	150	97	48	18	13	8	
	F2481TMS-18	18	25	150	97	48	18	13,5	8	
	F2481TMS-19	19	25	150	95	50	20	14	8	
	F2481TMS-20	20	25	150	95	50	20	14,5	8	
<p>DIN 6535 HA</p>		F2481-3.97	3,97	12	75	34	36	6	3,4	4
		F2481-3.98	3,98	12	75	34	36	6	3,4	4
		F2481-3.99	3,99	12	75	34	36	6	3,4	4
		F2481-4	4	12	75	34	36	6	3,4	4
		F2481-4.01	4,01	12	75	34	36	6	3,4	4
		F2481-4.02	4,02	12	75	34	36	6	3,4	4
		F2481-4.03	4,03	12	75	34	36	6	3,4	4
		F2481-4.5	4,5	12	75	34	36	6	3,4	4
		F2481-4.97	4,97	12	75	35	36	6	3,8	4
		F2481-4.98	4,98	12	75	35	36	6	3,8	4
		F2481-4.99	4,99	12	75	35	36	6	3,8	4
		F2481-5	5	12	75	35	36	6	3,8	4
		F2481-5.01	5,01	12	75	35	36	6	3,8	4
		F2481-5.02	5,02	12	75	35	36	6	3,8	4
		F2481-5.03	5,03	12	75	35	36	6	3,8	4
		F2481-5.5	5,5	12	75	35	36	6	4,2	4
		F2481-5.97	5,97	12	75	35	36	6	4,5	4
		F2481-5.98	5,98	12	75	35	36	6	4,5	4
		F2481-5.99	5,99	12	75	35	36	6	4,5	4
		F2481-6	6	12	75	35	36	6	4,5	4
	F2481-6.01	6,01	12	75	35	36	6	4,5	4	

Ordering example for the grade TMS: F2481TMS-10

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

B3

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>3</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	d <sub>3</sub> mm	Z
<p>DIN 6535 HA</p>	F2481-6.02	6,02	12	75	35	36	6	4,5	4
	F2481-6.03	6,03	12	75	35	36	6	4,5	4
	F2481-6.5	6,5	16	100	59	36	8	4,8	6
	F2481-7	7	16	100	59	36	8	5	6
	F2481-7.5	7,5	16	100	60	36	8	5,5	6
	F2481-7.97	7,97	16	100	60	36	8	6	6
	F2481-7.98	7,98	16	100	60	36	8	6	6
	F2481-7.99	7,99	16	100	60	36	8	6	6
	F2481-8	8	16	100	60	36	8	6	6
	F2481-8.01	8,01	16	100	60	36	8	6	6
	F2481-8.02	8,02	16	100	60	36	8	6	6
	F2481-8.03	8,03	16	100	60	36	8	6	6
	F2481-8.5	8,5	20	100	55	40	10	6,5	6
	F2481-9	9	20	100	55	40	10	7	6
	F2481-9.5	9,5	20	120	76	40	10	7,5	6
	F2481-9.97	9,97	20	120	76	40	10	7,5	6
	F2481-9.98	9,98	20	120	76	40	10	7,5	6
	F2481-9.99	9,99	20	120	76	40	10	7,5	6
	F2481-10	10	20	120	76	40	10	7,5	6
	F2481-10.01	10,01	20	120	76	40	10	7,5	6
	F2481-10.02	10,02	20	120	76	40	10	7,5	6
F2481-10.03	10,03	20	120	76	40	10	7,5	6	
F2481-10.5	10,5	20	120	70	45	12	8	6	
F2481-11	11	20	120	70	45	12	8,5	6	
F2481-11.5	11,5	20	120	71	45	12	8,5	6	
F2481-11.97	11,97	20	120	71	45	12	9	6	
F2481-11.98	11,98	20	120	71	45	12	9	6	
F2481-11.99	11,99	20	120	71	45	12	9	6	
F2481-12	12	20	120	71	45	12	9	6	
F2481-12.01	12,01	20	120	71	45	12	9	6	
F2481-12.02	12,02	20	120	71	45	12	9	6	
F2481-12.03	12,03	20	120	71	45	12	9	6	
F2481-13	13	22	130	80	45	14	10	6	
F2481-14	14	22	130	80	45	14	10,5	6	
F2481-15	15	22	130	77	48	16	11,5	6	
F2481-16	16	25	150	97	48	16	12	6	
F2481-17	17	25	150	97	48	18	13	8	
F2481-18	18	25	150	97	48	18	13,5	8	
F2481-19	19	25	150	95	50	20	14	8	
F2481-20	20	25	150	95	50	20	14,5	8	

Ordering example for the grade TMS: F2481TMS-10

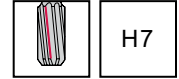
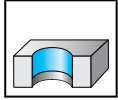


# Carbide machine reamers

## F2171



– Up to dia. 13 mm solid carbide, greater than dia. 13 mm solid carbide head



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

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	Z
<p>DIN 6535 HA</p>	F2171-2	2	12	49	28	4	4
	F2171-2.5	2,5	16	59	28	4	4
	F2171-3	3	17	63	28	4	6
	F2171-3.2	3,2	18	65	28	4	6
	F2171-3.5	3,5	18	70	28	4	6
	F2171-4	4	19	75	28	4	6
	F2171-4.5	4,5	21	80	36	6	6
	F2171-5	5	23	86	36	6	6
	F2171-5.5	5,5	26	93	36	6	6
	F2171-6	6	26	93	36	6	6
	F2171-6.5	6,5	28	101	36	6	6
	F2171-7	7	31	109	36	8	6
	F2171-7.5	7,5	31	109	36	8	6
	F2171-8	8	33	117	36	8	6
	F2171-8.5	8,5	33	117	36	8	6
	F2171-9	9	36	125	40	10	6
	F2171-10	10	38	133	40	10	6
	F2171-11	11	41	142	45	12	6
	F2171-12	12	44	151	45	12	6
	F2171-13	13	44	151	45	12	6
F2171-14	14	47	160	48	16	8	
F2171-15	15	50	162	48	16	8	
F2171-16	16	52	170	48	16	8	
F2171-18	18	52	182	48	18	8	
F2171-20	20	52	195	50	20	8	

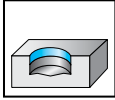
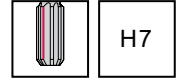
Dimensions similar to DIN 8093

**WALTER  
SELECT**

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

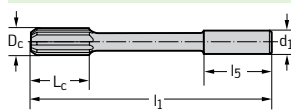
# Carbide machine reamers

## F2162



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

### Tool



DIN 6535 HA

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	Z
F2162-4	4	19	75	28	4	6
F2162-4.5	4,5	21	80	36	6	6
F2162-5	5	23	86	36	6	6
F2162-5.5	5,5	26	93	36	6	6
F2162-6	6	26	93	36	6	6
F2162-6.5	6,5	28	101	36	6	6
F2162-7	7	31	109	36	8	6
F2162-7.5	7,5	31	109	36	8	6
F2162-8	8	33	117	36	8	6
F2162-8.5	8,5	33	117	36	8	6
F2162-9	9	36	125	40	10	6
F2162-9.5	9,5	36	125	40	10	6
F2162-10	10	38	133	40	10	6
F2162-11	11	41	142	45	12	6
F2162-12	12	44	151	45	12	6
F2162-13	13	44	151	45	12	6
F2162-14	14	47	160	48	16	8
F2162-15	15	50	162	48	16	8
F2162-16	16	52	170	48	16	8
F2162-17	17	52	175	48	18	8
F2162-18	18	52	182	48	18	8
F2162-20	20	52	195	50	20	8

Dimensions similar to DIN 8093

**WALTER  
SELECT**

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

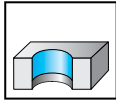
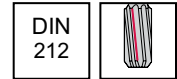
B3

# HSS machine reamers

## F1352HUN



- Walter standard up to dia. 3.75 mm with centring tips  
 - Diameter increment = 0.01 mm



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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h <sub>9</sub> mm	Z
<p>Cylindrical shank</p>		F1352HUN-0.95	0,95	6	34	19	1	3
		F1352HUN-0.97	0,97	6	34	19	1	3
		F1352HUN-0.98	0,98	6	34	19	1	3
		F1352HUN-0.99	0,99	6	34	19	1	3
		F1352HUN-1	1	6	34	19	1	3
		F1352HUN-1.01	1,01	6	34	19	1	3
		F1352HUN-1.02	1,02	6	34	19	1	3
		F1352HUN-1.03	1,03	6	34	19	1	3
		F1352HUN-1.04	1,04	6	34	19	1	3
		F1352HUN-1.05	1,05	6	34	19	1	3
		F1352HUN-1.06	1,06	6	34	19	1	3
		F1352HUN-1.07	1,07	7	36	20,5	1	3
		F1352HUN-1.08	1,08	7	36	20,5	1	3
		F1352HUN-1.09	1,09	7	36	20,5	1	3
		F1352HUN-1.11	1,11	7	36	20,5	1	3
		F1352HUN-1.12	1,12	7	36	20,5	1	3
		F1352HUN-1.13	1,13	7	36	20,5	1	3
		F1352HUN-1.14	1,14	7	36	20,5	1	3
		F1352HUN-1.15	1,15	7	36	20,5	1	3
		F1352HUN-1.16	1,16	7	36	20,5	1	3
		F1352HUN-1.17	1,17	7	36	20,5	1	3
		F1352HUN-1.18	1,18	7	36	20,5	1	3
		F1352HUN-1.19	1,19	8	38	21,5	1	3
		F1352HUN-1.2	1,2	8	38	21,5	1	3
		F1352HUN-1.21	1,21	8	38	21,5	1	3
		F1352HUN-1.22	1,22	8	38	21,5	1	3
		F1352HUN-1.23	1,23	8	38	21,5	1	3
		F1352HUN-1.24	1,24	8	38	21,5	1	3
		F1352HUN-1.25	1,25	8	38	21,5	1	3
		F1352HUN-1.26	1,26	8	38	21,5	1	3
		F1352HUN-1.27	1,27	8	38	21,5	1	3
		F1352HUN-1.28	1,28	8	38	21,5	1	3
		F1352HUN-1.29	1,29	8	38	21,5	1	3
	F1352HUN-1.3	1,3	8	38	21,5	1	3	
	F1352HUN-1.31	1,31	8	38	21,5	1	3	
	F1352HUN-1.32	1,32	8	38	21,5	1	3	

**WALTER SELECT**

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

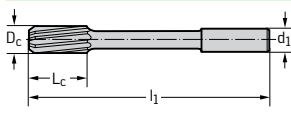
B3

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-1.33	1,33	8	40	22	1	3
		F1352HUN-1.34	1,34	8	40	22	1	3
		F1352HUN-1.35	1,35	8	40	22	1	3
		F1352HUN-1.36	1,36	8	40	22	1	3
		F1352HUN-1.37	1,37	8	40	22	1	3
		F1352HUN-1.38	1,38	8	40	22	1	3
		F1352HUN-1.39	1,39	8	40	22	1	3
		F1352HUN-1.4	1,4	8	40	22	1	3
		F1352HUN-1.41	1,41	8	40	22	1	3
		F1352HUN-1.42	1,42	8	40	22	1	3
		F1352HUN-1.43	1,43	8	40	22	1	3
		F1352HUN-1.44	1,44	8	40	22	1	3
		F1352HUN-1.45	1,45	8	40	22	1	3
		F1352HUN-1.46	1,46	8	40	22	1	3
		F1352HUN-1.47	1,47	8	40	22	1	3
		F1352HUN-1.48	1,48	8	40	22	1	3
		F1352HUN-1.49	1,49	8	40	22	1	3
		F1352HUN-1.5	1,5	8	40	22	1	3
		F1352HUN-1.51	1,51	9	43	23	2	3
		F1352HUN-1.52	1,52	9	43	23	2	3
		F1352HUN-1.53	1,53	9	43	23	2	3
		F1352HUN-1.54	1,54	9	43	23	2	3
		F1352HUN-1.55	1,55	9	43	23	2	3
		F1352HUN-1.56	1,56	9	43	23	2	3
		F1352HUN-1.57	1,57	9	43	23	2	3
		F1352HUN-1.58	1,58	9	43	23	2	3
		F1352HUN-1.59	1,59	9	43	23	2	3
		F1352HUN-1.6	1,6	9	43	23	2	3
	F1352HUN-1.61	1,61	9	43	23	2	3	
	F1352HUN-1.62	1,62	9	43	23	2	3	
	F1352HUN-1.63	1,63	9	43	23	2	3	
	F1352HUN-1.64	1,64	9	43	23	2	3	
	F1352HUN-1.65	1,65	9	43	23	2	3	
	F1352HUN-1.66	1,66	9	43	23	2	3	
	F1352HUN-1.67	1,67	9	43	23	2	3	
	F1352HUN-1.68	1,68	9	43	23	2	3	
	F1352HUN-1.69	1,69	9	43	23	2	3	
	F1352HUN-1.7	1,7	9	43	23	2	3	
	F1352HUN-1.71	1,71	10	46	24	2	4	
	F1352HUN-1.72	1,72	10	46	24	2	4	
	F1352HUN-1.73	1,73	10	46	24	2	4	
	F1352HUN-1.74	1,74	10	46	24	2	4	
	F1352HUN-1.75	1,75	10	46	24	2	4	
	F1352HUN-1.76	1,76	10	46	24	2	4	
	F1352HUN-1.77	1,77	10	46	24	2	4	
	F1352HUN-1.78	1,78	10	46	24	2	4	

B3

**WALTER  
SELECT**

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
 <p>Cylindrical shank</p>		F1352HUN-1.79	1,79	10	46	24	2	4
		F1352HUN-1.8	1,8	10	46	24	2	4
		F1352HUN-1.81	1,81	10	46	24	2	4
		F1352HUN-1.82	1,82	10	46	24	2	4
		F1352HUN-1.83	1,83	10	46	24	2	4
		F1352HUN-1.84	1,84	10	46	24	2	4
		F1352HUN-1.85	1,85	10	46	24	2	4
		F1352HUN-1.86	1,86	10	46	24	2	4
		F1352HUN-1.87	1,87	10	46	24	2	4
		F1352HUN-1.88	1,88	10	46	24	2	4
		F1352HUN-1.89	1,89	10	46	24	2	4
		F1352HUN-1.9	1,9	10	46	24	2	4
		F1352HUN-1.91	1,91	11	49	25	2	4
		F1352HUN-1.92	1,92	11	49	25	2	4
		F1352HUN-1.93	1,93	11	49	25	2	4
		F1352HUN-1.94	1,94	11	49	25	2	4
		F1352HUN-1.95	1,95	11	49	25	2	4
		F1352HUN-1.96	1,96	11	49	25	2	4
		F1352HUN-1.97	1,97	11	49	25	2	4
		F1352HUN-1.98	1,98	11	49	25	2	4
		F1352HUN-1.99	1,99	11	49	25	2	4
		F1352HUN-2	2	11	49	25	2	4
		F1352HUN-2.01	2,01	11	49	25	2	4
		F1352HUN-2.02	2,02	11	49	25	2	4
	F1352HUN-2.03	2,03	11	49	25	2	4	
	F1352HUN-2.04	2,04	11	49	25	2	4	
	F1352HUN-2.05	2,05	11	49	25	2	4	
	F1352HUN-2.06	2,06	11	49	25	2	4	
	F1352HUN-2.07	2,07	11	49	25	2	4	
	F1352HUN-2.08	2,08	11	49	25	2	4	
	F1352HUN-2.09	2,09	11	49	25	2	4	
	F1352HUN-2.1	2,1	11	49	25	2	4	
	F1352HUN-2.11	2,11	11	49	25	2	4	
	F1352HUN-2.12	2,12	11	49	25	2	4	
	F1352HUN-2.13	2,13	12	53	27	2	4	
	F1352HUN-2.14	2,14	12	53	27	2	4	
	F1352HUN-2.15	2,15	12	53	27	2	4	
	F1352HUN-2.16	2,16	12	53	27	2	4	
	F1352HUN-2.17	2,17	12	53	27	2	4	
	F1352HUN-2.18	2,18	12	53	27	2	4	
	F1352HUN-2.19	2,19	12	53	27	2	4	
	F1352HUN-2.2	2,2	12	53	27	2	4	
	F1352HUN-2.21	2,21	12	53	27	2	4	
	F1352HUN-2.22	2,22	12	53	27	2	4	
	F1352HUN-2.23	2,23	12	53	27	2	4	
	F1352HUN-2.24	2,24	12	53	27	2	4	

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>	F1352HUN-2.25	2,25	12	53	27	2	4
	F1352HUN-2.26	2,26	12	53	27	2	4
	F1352HUN-2.27	2,27	12	53	27	2	4
	F1352HUN-2.28	2,28	12	53	27	2	4
	F1352HUN-2.29	2,29	12	53	27	2	4
	F1352HUN-2.3	2,3	12	53	27	2	4
	F1352HUN-2.31	2,31	12	53	27	2	4
	F1352HUN-2.32	2,32	12	53	27	2	4
	F1352HUN-2.33	2,33	12	53	27	2	4
	F1352HUN-2.34	2,34	12	53	27	2	4
	F1352HUN-2.35	2,35	12	53	27	2	4
	F1352HUN-2.36	2,36	12	53	27	2	4
	F1352HUN-2.37	2,37	14	57	29	3	4
	F1352HUN-2.38	2,38	14	57	29	3	4
	F1352HUN-2.39	2,39	14	57	29	3	4
	F1352HUN-2.4	2,4	14	57	29	3	4
	F1352HUN-2.41	2,41	14	57	29	3	4
	F1352HUN-2.42	2,42	14	57	29	3	4
	F1352HUN-2.43	2,43	14	57	29	3	4
	F1352HUN-2.44	2,44	14	57	29	3	4
	F1352HUN-2.45	2,45	14	57	29	3	4
	F1352HUN-2.46	2,46	14	57	29	3	4
	F1352HUN-2.47	2,47	14	57	29	3	4
	F1352HUN-2.48	2,48	14	57	29	3	4
	F1352HUN-2.49	2,49	14	57	29	3	4
	F1352HUN-2.5	2,5	14	57	29	3	4
	F1352HUN-2.51	2,51	14	57	29	3	4
	F1352HUN-2.52	2,52	14	57	29	3	4
	F1352HUN-2.53	2,53	14	57	29	3	4
	F1352HUN-2.54	2,54	14	57	29	3	4
	F1352HUN-2.55	2,55	14	57	29	3	4
	F1352HUN-2.56	2,56	14	57	29	3	4
	F1352HUN-2.57	2,57	14	57	29	3	4
F1352HUN-2.58	2,58	14	57	29	3	4	
F1352HUN-2.59	2,59	14	57	29	3	4	
F1352HUN-2.6	2,6	14	57	29	3	4	
F1352HUN-2.61	2,61	14	57	29	3	4	
F1352HUN-2.62	2,62	14	57	29	3	4	
F1352HUN-2.63	2,63	14	57	29	3	4	
F1352HUN-2.64	2,64	14	57	29	3	4	
F1352HUN-2.65	2,65	14	57	29	3	4	
F1352HUN-2.66	2,66	15	61	29	3	6	
F1352HUN-2.67	2,67	15	61	29	3	6	
F1352HUN-2.68	2,68	15	61	29	3	6	
F1352HUN-2.69	2,69	15	61	29	3	6	
F1352HUN-2.7	2,7	15	61	29	3	6	

B3

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>	F1352HUN-2.71	2,71	15	61	29	3	6
	F1352HUN-2.72	2,72	15	61	29	3	6
	F1352HUN-2.73	2,73	15	61	29	3	6
	F1352HUN-2.74	2,74	15	61	29	3	6
	F1352HUN-2.75	2,75	15	61	29	3	6
	F1352HUN-2.76	2,76	15	61	29	3	6
	F1352HUN-2.77	2,77	15	61	29	3	6
	F1352HUN-2.78	2,78	15	61	29	3	6
	F1352HUN-2.79	2,79	15	61	29	3	6
	F1352HUN-2.8	2,8	15	61	29	3	6
	F1352HUN-2.81	2,81	15	61	29	3	6
	F1352HUN-2.82	2,82	15	61	29	3	6
	F1352HUN-2.83	2,83	15	61	29	3	6
	F1352HUN-2.84	2,84	15	61	29	3	6
	F1352HUN-2.85	2,85	15	61	29	3	6
	F1352HUN-2.86	2,86	15	61	29	3	6
	F1352HUN-2.87	2,87	15	61	29	3	6
	F1352HUN-2.88	2,88	15	61	29	3	6
	F1352HUN-2.89	2,89	15	61	29	3	6
	F1352HUN-2.9	2,9	15	61	29	3	6
	F1352HUN-2.91	2,91	15	61	29	3	6
	F1352HUN-2.92	2,92	15	61	29	3	6
	F1352HUN-2.93	2,93	15	61	29	3	6
	F1352HUN-2.94	2,94	15	61	29	3	6
	F1352HUN-2.95	2,95	15	61	29	3	6
	F1352HUN-2.96	2,96	15	61	29	3	6
	F1352HUN-2.97	2,97	15	61	29	3	6
	F1352HUN-2.98	2,98	15	61	29	3	6
	F1352HUN-2.99	2,99	15	61	29	3	6
	F1352HUN-3	3	15	61	29	3	6
	F1352HUN-3.01	3,01	16	65	30	3	6
	F1352HUN-3.02	3,02	16	65	30	3	6
	F1352HUN-3.03	3,03	16	65	30	3	6
	F1352HUN-3.04	3,04	16	65	30	3	6
	F1352HUN-3.05	3,05	16	65	30	3	6
	F1352HUN-3.06	3,06	16	65	30	3	6
F1352HUN-3.07	3,07	16	65	30	3	6	
F1352HUN-3.08	3,08	16	65	30	3	6	
F1352HUN-3.09	3,09	16	65	30	3	6	
F1352HUN-3.1	3,1	16	65	30	3	6	
F1352HUN-3.11	3,11	16	65	30	3	6	
F1352HUN-3.12	3,12	16	65	30	3	6	
F1352HUN-3.13	3,13	16	65	30	3	6	
F1352HUN-3.14	3,14	16	65	30	3	6	
F1352HUN-3.15	3,15	16	65	30	3	6	
F1352HUN-3.16	3,16	16	65	30	3	6	

B3

**WALTER SELECT**

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-3.17	3,17	16	65	30	3	6
		F1352HUN-3.18	3,18	16	65	30	3	6
		F1352HUN-3.19	3,19	16	65	30	3	6
		F1352HUN-3.2	3,2	16	65	30	3	6
		F1352HUN-3.21	3,21	16	65	30	3	6
		F1352HUN-3.22	3,22	16	65	30	3	6
		F1352HUN-3.23	3,23	16	65	30	3	6
		F1352HUN-3.24	3,24	16	65	30	3	6
		F1352HUN-3.25	3,25	16	65	30	3	6
		F1352HUN-3.26	3,26	16	65	30	3	6
		F1352HUN-3.27	3,27	16	65	30	3	6
		F1352HUN-3.28	3,28	16	65	30	3	6
		F1352HUN-3.29	3,29	16	65	30	3	6
		F1352HUN-3.3	3,3	16	65	30	3	6
		F1352HUN-3.31	3,31	16	65	30	3	6
		F1352HUN-3.32	3,32	16	65	30	3	6
		F1352HUN-3.33	3,33	16	65	30	3	6
		F1352HUN-3.34	3,34	16	65	30	3	6
		F1352HUN-3.35	3,35	16	65	30	3	6
		F1352HUN-3.36	3,36	18	70	30	4	6
		F1352HUN-3.37	3,37	18	70	30	4	6
		F1352HUN-3.38	3,38	18	70	30	3	6
		F1352HUN-3.39	3,39	18	70	30	3	6
		F1352HUN-3.4	3,4	18	70	30	4	6
		F1352HUN-3.41	3,41	18	70	30	4	6
		F1352HUN-3.42	3,42	18	70	30	4	6
		F1352HUN-3.43	3,43	18	70	30	4	6
		F1352HUN-3.44	3,44	18	70	30	4	6
		F1352HUN-3.45	3,45	18	70	30	4	6
		F1352HUN-3.46	3,46	18	70	30	4	6
		F1352HUN-3.47	3,47	18	70	30	4	6
		F1352HUN-3.48	3,48	18	70	30	4	6
		F1352HUN-3.49	3,49	18	70	30	4	6
		F1352HUN-3.5	3,5	18	70	30	4	6
	F1352HUN-3.51	3,51	18	70	30	4	6	
	F1352HUN-3.52	3,52	18	70	30	4	6	
	F1352HUN-3.53	3,53	18	70	30	4	6	
	F1352HUN-3.54	3,54	18	70	30	4	6	
	F1352HUN-3.55	3,55	18	70	30	4	6	
	F1352HUN-3.56	3,56	18	70	30	4	6	
	F1352HUN-3.57	3,57	18	70	30	4	6	
	F1352HUN-3.58	3,58	18	70	30	4	6	
	F1352HUN-3.59	3,59	18	70	30	4	6	
	F1352HUN-3.61	3,61	18	70	30	4	6	
	F1352HUN-3.62	3,62	18	70	30	4	6	
	F1352HUN-3.63	3,63	18	70	30	4	6	

B3

**WALTER  
SELECT**

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



Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>	F1352HUN-3.64	3,64	18	70	30	4	6
	F1352HUN-3.65	3,65	18	70	30	4	6
	F1352HUN-3.66	3,66	18	70	30	4	6
	F1352HUN-3.67	3,67	18	70	30	4	6
	F1352HUN-3.68	3,68	18	70	30	4	6
	F1352HUN-3.69	3,69	18	70	30	4	6
	F1352HUN-3.71	3,71	18	70	30	4	6
	F1352HUN-3.72	3,72	18	70	30	4	6
	F1352HUN-3.73	3,73	18	70	30	4	6
	F1352HUN-3.74	3,74	18	70	30	4	6
	F1352HUN-3.75	3,75	18	70	30	4	6
	F1352HUN-3.76	3,76	19	75	32	4	6
	F1352HUN-3.77	3,77	19	75	32	4	6
	F1352HUN-3.78	3,78	19	75	32	4	6
	F1352HUN-3.79	3,79	19	75	32	4	6
	F1352HUN-3.81	3,81	19	75	32	4	6
	F1352HUN-3.82	3,82	19	75	32	4	6
	F1352HUN-3.83	3,83	19	75	32	4	6
	F1352HUN-3.84	3,84	19	75	32	4	6
	F1352HUN-3.85	3,85	19	75	32	4	6
	F1352HUN-3.86	3,86	19	75	32	4	6
	F1352HUN-3.87	3,87	19	75	32	4	6
	F1352HUN-3.88	3,88	19	75	32	4	6
	F1352HUN-3.89	3,89	19	75	32	4	6
	F1352HUN-3.9	3,9	19	75	32	4	6
	F1352HUN-3.91	3,91	19	75	32	4	6
	F1352HUN-3.92	3,92	19	75	32	4	6
	F1352HUN-3.93	3,93	19	75	32	4	6
	F1352HUN-3.94	3,94	19	75	32	4	6
	F1352HUN-3.95	3,95	19	75	32	4	6
	F1352HUN-3.96	3,96	19	75	32	4	6
	F1352HUN-3.97	3,97	19	75	32	4	6
	F1352HUN-3.98	3,98	19	75	32	4	6
	F1352HUN-3.99	3,99	19	75	32	4	6
	F1352HUN-4	4	19	75	32	4	6
	F1352HUN-4.01	4,01	19	75	32	4	6
	F1352HUN-4.02	4,02	19	75	32	4	6
	F1352HUN-4.03	4,03	19	75	32	4	6
	F1352HUN-4.04	4,04	19	75	32	4	6
	F1352HUN-4.05	4,05	19	75	32	4	6
	F1352HUN-4.06	4,06	19	75	32	4	6
F1352HUN-4.07	4,07	19	75	32	4	6	
F1352HUN-4.08	4,08	19	75	32	4	6	
F1352HUN-4.09	4,09	19	75	32	4	6	
F1352HUN-4.1	4,1	19	75	32	4	6	
F1352HUN-4.11	4,11	19	75	32	4	6	

B3

**WALTER SELECT**

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-4.12	4,12	19	75	32	4	6
		F1352HUN-4.13	4,13	19	75	32	4	6
		F1352HUN-4.14	4,14	19	75	32	4	6
		F1352HUN-4.15	4,15	19	75	32	4	6
		F1352HUN-4.16	4,16	19	75	32	4	6
		F1352HUN-4.17	4,17	19	75	32	4	6
		F1352HUN-4.18	4,18	19	75	32	4	6
		F1352HUN-4.19	4,19	19	75	32	4	6
		F1352HUN-4.2	4,2	19	75	32	4	6
		F1352HUN-4.21	4,21	19	75	32	4	6
		F1352HUN-4.22	4,22	19	75	32	4	6
		F1352HUN-4.23	4,23	19	75	32	4	6
		F1352HUN-4.24	4,24	19	75	32	4	6
		F1352HUN-4.25	4,25	19	75	32	4	6
		F1352HUN-4.26	4,26	21	80	33	5	6
		F1352HUN-4.27	4,27	21	80	33	5	6
		F1352HUN-4.28	4,28	21	80	33	5	6
		F1352HUN-4.29	4,29	21	80	33	5	6
		F1352HUN-4.3	4,3	21	80	33	5	6
		F1352HUN-4.31	4,31	21	80	33	5	6
		F1352HUN-4.32	4,32	21	80	33	5	6
		F1352HUN-4.33	4,33	21	80	33	5	6
		F1352HUN-4.34	4,34	21	80	33	5	6
		F1352HUN-4.35	4,35	21	80	33	5	6
		F1352HUN-4.36	4,36	21	80	33	5	6
		F1352HUN-4.37	4,37	21	80	33	5	6
		F1352HUN-4.38	4,38	21	80	33	5	6
		F1352HUN-4.39	4,39	21	80	33	5	6
	F1352HUN-4.41	4,41	21	80	33	5	6	
	F1352HUN-4.42	4,42	21	80	33	5	6	
	F1352HUN-4.43	4,43	21	80	33	5	6	
	F1352HUN-4.44	4,44	21	80	33	5	6	
	F1352HUN-4.45	4,45	21	80	33	5	6	
	F1352HUN-4.46	4,46	21	80	33	5	6	
	F1352HUN-4.47	4,47	21	80	33	5	6	
	F1352HUN-4.48	4,48	21	80	33	5	6	
	F1352HUN-4.49	4,49	21	80	33	5	6	
	F1352HUN-4.5	4,5	21	80	33	5	6	
	F1352HUN-4.51	4,51	21	80	33	5	6	
	F1352HUN-4.52	4,52	21	80	33	5	6	
	F1352HUN-4.53	4,53	21	80	33	5	6	
	F1352HUN-4.54	4,54	21	80	33	5	6	
	F1352HUN-4.55	4,55	21	80	33	5	6	
	F1352HUN-4.56	4,56	21	80	33	5	6	
	F1352HUN-4.57	4,57	21	80	33	5	6	
	F1352HUN-4.58	4,58	21	80	33	5	6	

B3

**WALTER  
SELECT**

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-4.59	4,59	21	80	33	5	6
		F1352HUN-4.61	4,61	21	80	33	5	6
		F1352HUN-4.62	4,62	21	80	33	5	6
		F1352HUN-4.63	4,63	21	80	33	5	6
		F1352HUN-4.64	4,64	21	80	33	5	6
		F1352HUN-4.65	4,65	21	80	33	5	6
		F1352HUN-4.66	4,66	21	80	33	5	6
		F1352HUN-4.67	4,67	21	80	33	5	6
		F1352HUN-4.68	4,68	21	80	33	5	6
		F1352HUN-4.69	4,69	21	80	33	5	6
		F1352HUN-4.71	4,71	21	80	33	5	6
		F1352HUN-4.72	4,72	21	80	33	5	6
		F1352HUN-4.73	4,73	21	80	33	5	6
		F1352HUN-4.74	4,74	21	80	33	5	6
		F1352HUN-4.75	4,75	21	80	33	5	6
		F1352HUN-4.76	4,76	23	86	34	5	6
		F1352HUN-4.77	4,77	23	86	34	5	6
		F1352HUN-4.78	4,78	23	86	34	5	6
		F1352HUN-4.79	4,79	23	86	34	5	6
		F1352HUN-4.8	4,8	23	86	34	5	6
		F1352HUN-4.81	4,81	23	86	34	5	6
		F1352HUN-4.82	4,82	23	86	34	5	6
		F1352HUN-4.83	4,83	23	86	34	5	6
		F1352HUN-4.84	4,84	23	86	34	5	6
		F1352HUN-4.85	4,85	23	86	34	5	6
		F1352HUN-4.86	4,86	23	86	34	5	6
		F1352HUN-4.87	4,87	23	86	34	5	6
		F1352HUN-4.88	4,88	23	86	34	5	6
		F1352HUN-4.89	4,89	23	86	34	5	6
		F1352HUN-4.9	4,9	23	86	34	5	6
		F1352HUN-4.91	4,91	23	86	34	5	6
		F1352HUN-4.92	4,92	23	86	34	5	6
		F1352HUN-4.93	4,93	23	86	34	5	6
	F1352HUN-4.94	4,94	23	86	34	5	6	
	F1352HUN-4.95	4,95	23	86	34	5	6	
	F1352HUN-4.96	4,96	23	86	34	5	6	
	F1352HUN-4.97	4,97	23	86	34	5	6	
	F1352HUN-4.98	4,98	23	86	34	5	6	
	F1352HUN-4.99	4,99	23	86	34	5	6	
	F1352HUN-5	5	23	86	34	5	6	
	F1352HUN-5.01	5,01	23	86	34	5	6	
	F1352HUN-5.02	5,02	23	86	34	5	6	
	F1352HUN-5.03	5,03	23	86	34	5	6	
	F1352HUN-5.04	5,04	23	86	34	5	6	
	F1352HUN-5.05	5,05	23	86	34	5	6	
	F1352HUN-5.06	5,06	23	86	34	5	6	

B3

**WALTER SELECT**

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
		F1352HUN-5.07	5,07	23	86	34	5	6
		F1352HUN-5.08	5,08	23	86	34	5	6
		F1352HUN-5.09	5,09	23	86	34	5	6
		F1352HUN-5.1	5,1	23	86	34	5	6
		F1352HUN-5.11	5,11	23	86	34	5	6
		F1352HUN-5.12	5,12	23	86	34	5	6
		F1352HUN-5.13	5,13	23	86	34	5	6
		F1352HUN-5.14	5,14	23	86	34	5	6
		F1352HUN-5.15	5,15	23	86	34	5	6
		F1352HUN-5.16	5,16	23	86	34	5	6
		F1352HUN-5.17	5,17	23	86	34	5	6
		F1352HUN-5.18	5,18	23	86	34	5	6
		F1352HUN-5.19	5,19	23	86	34	5	6
		F1352HUN-5.2	5,2	23	86	34	5	6
		F1352HUN-5.21	5,21	23	86	34	5	6
		F1352HUN-5.22	5,22	23	86	34	5	6
		F1352HUN-5.23	5,23	23	86	34	5	6
		F1352HUN-5.24	5,24	23	86	34	5	6
		F1352HUN-5.25	5,25	23	86	34	5	6
		F1352HUN-5.26	5,26	23	86	34	5	6
		F1352HUN-5.27	5,27	23	86	34	5	6
		F1352HUN-5.28	5,28	23	86	34	5	6
		F1352HUN-5.29	5,29	23	86	34	5	6
		F1352HUN-5.31	5,31	26	93	36	6	6
		F1352HUN-5.32	5,32	26	93	36	6	6
		F1352HUN-5.33	5,33	26	93	36	6	6
		F1352HUN-5.34	5,34	26	93	36	6	6
		F1352HUN-5.35	5,35	26	93	36	6	6
		F1352HUN-5.36	5,36	26	93	36	6	6
		F1352HUN-5.37	5,37	26	93	36	6	6
	F1352HUN-5.38	5,38	26	93	36	6	6	
	F1352HUN-5.39	5,39	26	93	36	6	6	
	F1352HUN-5.41	5,41	26	93	36	6	6	
	F1352HUN-5.42	5,42	26	93	36	6	6	
	F1352HUN-5.43	5,43	26	93	36	6	6	
	F1352HUN-5.44	5,44	26	93	36	6	6	
	F1352HUN-5.45	5,45	26	93	36	6	6	
	F1352HUN-5.46	5,46	26	93	36	6	6	
	F1352HUN-5.47	5,47	26	93	36	6	6	
	F1352HUN-5.48	5,48	26	93	36	6	6	
	F1352HUN-5.49	5,49	26	93	36	6	6	
	F1352HUN-5.5	5,5	26	93	36	6	6	
	F1352HUN-5.51	5,51	26	93	36	6	6	
	F1352HUN-5.52	5,52	26	93	36	6	6	
	F1352HUN-5.53	5,53	26	93	36	6	6	
	F1352HUN-5.54	5,54	26	93	36	6	6	

B3

 WALTER  
SELECT

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-5.55	5,55	26	93	36	6	6
		F1352HUN-5.56	5,56	26	93	36	6	6
		F1352HUN-5.57	5,57	26	93	36	6	6
		F1352HUN-5.58	5,58	26	93	36	6	6
		F1352HUN-5.59	5,59	26	93	36	6	6
		F1352HUN-5.6	5,6	26	93	36	6	6
		F1352HUN-5.61	5,61	26	93	36	6	6
		F1352HUN-5.62	5,62	26	93	36	6	6
		F1352HUN-5.63	5,63	26	93	36	6	6
		F1352HUN-5.64	5,64	26	93	36	6	6
		F1352HUN-5.65	5,65	26	93	36	6	6
		F1352HUN-5.66	5,66	26	93	36	6	6
		F1352HUN-5.67	5,67	26	93	36	6	6
		F1352HUN-5.68	5,68	26	93	36	6	6
		F1352HUN-5.69	5,69	26	93	36	6	6
		F1352HUN-5.71	5,71	26	93	36	6	6
		F1352HUN-5.72	5,72	26	93	36	6	6
		F1352HUN-5.73	5,73	26	93	36	6	6
		F1352HUN-5.74	5,74	26	93	36	6	6
		F1352HUN-5.75	5,75	26	93	36	6	6
		F1352HUN-5.76	5,76	26	93	36	6	6
		F1352HUN-5.77	5,77	26	93	36	6	6
		F1352HUN-5.78	5,78	26	93	36	6	6
		F1352HUN-5.79	5,79	26	93	36	6	6
		F1352HUN-5.81	5,81	26	93	36	6	6
		F1352HUN-5.82	5,82	26	93	36	6	6
		F1352HUN-5.83	5,83	26	93	36	6	6
		F1352HUN-5.84	5,84	26	93	36	6	6
		F1352HUN-5.85	5,85	26	93	36	6	6
		F1352HUN-5.86	5,86	26	93	36	6	6
		F1352HUN-5.87	5,87	26	93	36	6	6
		F1352HUN-5.88	5,88	26	93	36	6	6
		F1352HUN-5.89	5,89	26	93	36	6	6
	F1352HUN-5.91	5,91	26	93	36	6	6	
	F1352HUN-5.92	5,92	26	93	36	6	6	
	F1352HUN-5.93	5,93	26	93	36	6	6	
	F1352HUN-5.94	5,94	26	93	36	6	6	
	F1352HUN-5.95	5,95	26	93	36	6	6	
	F1352HUN-5.96	5,96	26	93	36	6	6	
	F1352HUN-5.97	5,97	26	93	36	6	6	
	F1352HUN-5.98	5,98	26	93	36	6	6	
	F1352HUN-5.99	5,99	26	93	36	6	6	
	F1352HUN-6	6	26	93	36	6	6	
	F1352HUN-6.01	6,01	26	93	36	6	6	
	F1352HUN-6.02	6,02	26	93	36	6	6	
	F1352HUN-6.03	6,03	26	93	36	6	6	

B3

**WALTER SELECT**

 ●● Primary application   ● Other application  
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Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-6.04	6,04	28	101	38	6	6
		F1352HUN-6.05	6,05	28	101	38	6	6
		F1352HUN-6.06	6,06	28	101	38	6	6
		F1352HUN-6.07	6,07	28	101	38	6	6
		F1352HUN-6.08	6,08	28	101	38	6	6
		F1352HUN-6.09	6,09	28	101	38	6	6
		F1352HUN-6.1	6,1	28	101	38	6	6
		F1352HUN-6.11	6,11	28	101	38	6	6
		F1352HUN-6.12	6,12	28	101	38	6	6
		F1352HUN-6.13	6,13	28	101	38	6	6
		F1352HUN-6.14	6,14	28	101	38	6	6
		F1352HUN-6.15	6,15	28	101	38	6	6
		F1352HUN-6.16	6,16	28	101	38	6	6
		F1352HUN-6.17	6,17	28	101	38	6	6
		F1352HUN-6.18	6,18	28	101	38	6	6
		F1352HUN-6.19	6,19	28	101	38	6	6
		F1352HUN-6.2	6,2	28	101	38	6	6
		F1352HUN-6.21	6,21	28	101	38	6	6
		F1352HUN-6.22	6,22	28	101	38	6	6
		F1352HUN-6.23	6,23	28	101	38	6	6
		F1352HUN-6.24	6,24	28	101	38	6	6
		F1352HUN-6.25	6,25	28	101	38	6	6
		F1352HUN-6.26	6,26	28	101	38	6	6
		F1352HUN-6.27	6,27	28	101	38	6	6
		F1352HUN-6.28	6,28	28	101	38	6	6
		F1352HUN-6.29	6,29	28	101	38	6	6
		F1352HUN-6.31	6,31	28	101	38	6	6
		F1352HUN-6.32	6,32	28	101	38	6	6
		F1352HUN-6.33	6,33	28	101	38	6	6
		F1352HUN-6.34	6,34	28	101	38	6	6
		F1352HUN-6.35	6,35	28	101	38	6	6
	F1352HUN-6.36	6,36	28	101	38	6	6	
	F1352HUN-6.37	6,37	28	101	38	6	6	
	F1352HUN-6.38	6,38	28	101	38	6	6	
	F1352HUN-6.39	6,39	28	101	38	6	6	
	F1352HUN-6.4	6,4	28	101	38	6	6	
	F1352HUN-6.41	6,41	28	101	38	6	6	
	F1352HUN-6.42	6,42	28	101	38	6	6	
	F1352HUN-6.43	6,43	28	101	38	6	6	
	F1352HUN-6.44	6,44	28	101	38	6	6	
	F1352HUN-6.45	6,45	28	101	38	6	6	
	F1352HUN-6.46	6,46	28	101	38	6	6	
	F1352HUN-6.47	6,47	28	101	38	6	6	
	F1352HUN-6.48	6,48	28	101	38	6	6	
	F1352HUN-6.49	6,49	28	101	38	6	6	
	F1352HUN-6.51	6,51	28	101	38	6	6	

B3

**WALTER  
SELECT**

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-6.52	6,52	28	101	38	6	6
		F1352HUN-6.53	6,53	28	101	38	6	6
		F1352HUN-6.54	6,54	28	101	38	6	6
		F1352HUN-6.55	6,55	28	101	38	6	6
		F1352HUN-6.56	6,56	28	101	38	6	6
		F1352HUN-6.57	6,57	28	101	38	6	6
		F1352HUN-6.58	6,58	28	101	38	6	6
		F1352HUN-6.59	6,59	28	101	38	6	6
		F1352HUN-6.61	6,61	28	101	38	6	6
		F1352HUN-6.62	6,62	28	101	38	6	6
		F1352HUN-6.63	6,63	28	101	38	6	6
		F1352HUN-6.64	6,64	28	101	38	6	6
		F1352HUN-6.65	6,65	28	101	38	6	6
		F1352HUN-6.66	6,66	28	101	38	6	6
		F1352HUN-6.67	6,67	28	101	38	6	6
		F1352HUN-6.68	6,68	28	101	38	6	6
		F1352HUN-6.69	6,69	28	101	38	6	6
		F1352HUN-6.71	6,71	31	109	40	7	6
		F1352HUN-6.72	6,72	31	109	40	7	6
		F1352HUN-6.73	6,73	31	109	40	7	6
		F1352HUN-6.74	6,74	31	109	40	7	6
		F1352HUN-6.75	6,75	31	109	40	7	6
		F1352HUN-6.76	6,76	31	109	40	7	6
		F1352HUN-6.77	6,77	31	109	40	7	6
		F1352HUN-6.78	6,78	31	109	40	7	6
		F1352HUN-6.79	6,79	31	109	40	7	6
		F1352HUN-6.81	6,81	31	109	40	7	6
		F1352HUN-6.82	6,82	31	109	40	7	6
		F1352HUN-6.83	6,83	31	109	40	7	6
		F1352HUN-6.84	6,84	31	109	40	7	6
		F1352HUN-6.85	6,85	31	109	40	7	6
		F1352HUN-6.86	6,86	31	109	40	7	6
		F1352HUN-6.87	6,87	31	109	40	7	6
	F1352HUN-6.88	6,88	31	109	40	7	6	
	F1352HUN-6.89	6,89	31	109	40	7	6	
	F1352HUN-6.91	6,91	31	109	40	7	6	
	F1352HUN-6.92	6,92	31	109	40	7	6	
	F1352HUN-6.93	6,93	31	109	40	7	6	
	F1352HUN-6.94	6,94	31	109	40	7	6	
	F1352HUN-6.95	6,95	31	109	40	7	6	
	F1352HUN-6.96	6,96	31	109	40	7	6	
	F1352HUN-6.97	6,97	31	109	40	7	6	
	F1352HUN-6.98	6,98	31	109	40	7	6	
	F1352HUN-6.99	6,99	31	109	40	7	6	
	F1352HUN-7	7	31	109	40	7	6	
	F1352HUN-7.01	7,01	31	109	40	7	6	

B3

**WALTER SELECT**

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

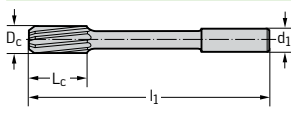
Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-7.02	7,02	31	109	40	7	6
		F1352HUN-7.03	7,03	31	109	40	7	6
		F1352HUN-7.04	7,04	31	109	40	7	6
		F1352HUN-7.05	7,05	31	109	40	7	6
		F1352HUN-7.06	7,06	31	109	40	7	6
		F1352HUN-7.07	7,07	31	109	40	7	6
		F1352HUN-7.08	7,08	31	109	40	7	6
		F1352HUN-7.09	7,09	31	109	40	7	6
		F1352HUN-7.11	7,11	31	109	40	7	6
		F1352HUN-7.12	7,12	31	109	40	7	6
		F1352HUN-7.13	7,13	31	109	40	7	6
		F1352HUN-7.14	7,14	31	109	40	7	6
		F1352HUN-7.15	7,15	31	109	40	7	6
		F1352HUN-7.16	7,16	31	109	40	7	6
		F1352HUN-7.17	7,17	31	109	40	7	6
		F1352HUN-7.18	7,18	31	109	40	7	6
		F1352HUN-7.19	7,19	31	109	40	7	6
		F1352HUN-7.21	7,21	31	109	40	7	6
		F1352HUN-7.22	7,22	31	109	40	7	6
		F1352HUN-7.23	7,23	31	109	40	7	6
		F1352HUN-7.24	7,24	31	109	40	7	6
		F1352HUN-7.25	7,25	31	109	40	7	6
		F1352HUN-7.26	7,26	31	109	40	7	6
		F1352HUN-7.27	7,27	31	109	40	7	6
		F1352HUN-7.28	7,28	31	109	40	7	6
		F1352HUN-7.29	7,29	31	109	40	7	6
		F1352HUN-7.31	7,31	31	109	40	7	6
		F1352HUN-7.32	7,32	31	109	40	7	6
		F1352HUN-7.33	7,33	31	109	40	7	6
		F1352HUN-7.34	7,34	31	109	40	7	6
		F1352HUN-7.35	7,35	31	109	40	7	6
		F1352HUN-7.36	7,36	31	109	40	7	6
		F1352HUN-7.37	7,37	31	109	40	7	6
	F1352HUN-7.38	7,38	31	109	40	7	6	
	F1352HUN-7.39	7,39	31	109	40	7	6	
	F1352HUN-7.41	7,41	31	109	40	7	6	
	F1352HUN-7.42	7,42	31	109	40	7	6	
	F1352HUN-7.43	7,43	31	109	40	7	6	
	F1352HUN-7.44	7,44	31	109	40	7	6	
	F1352HUN-7.45	7,45	31	109	40	7	6	
	F1352HUN-7.46	7,46	31	109	40	7	6	
	F1352HUN-7.47	7,47	31	109	40	7	6	
	F1352HUN-7.48	7,48	31	109	40	7	6	
	F1352HUN-7.49	7,49	31	109	40	7	6	
	F1352HUN-7.5	7,5	31	109	40	7	6	
	F1352HUN-7.51	7,51	33	117	42	8	6	

B3

**WALTER  
SELECT**

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



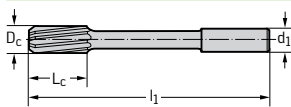
Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
 <p>Cylindrical shank</p>		F1352HUN-7.52	7,52	33	117	42	8	6
		F1352HUN-7.53	7,53	33	117	42	8	6
		F1352HUN-7.54	7,54	33	117	42	8	6
		F1352HUN-7.55	7,55	33	117	42	8	6
		F1352HUN-7.56	7,56	33	117	42	8	6
		F1352HUN-7.57	7,57	33	117	42	8	6
		F1352HUN-7.58	7,58	33	117	42	8	6
		F1352HUN-7.59	7,59	33	117	42	8	6
		F1352HUN-7.61	7,61	33	117	42	8	6
		F1352HUN-7.62	7,62	33	117	42	8	6
		F1352HUN-7.63	7,63	33	117	42	8	6
		F1352HUN-7.64	7,64	33	117	42	8	6
		F1352HUN-7.65	7,65	33	117	42	8	6
		F1352HUN-7.66	7,66	33	117	42	8	6
		F1352HUN-7.67	7,67	33	117	42	8	6
		F1352HUN-7.68	7,68	33	117	42	8	6
		F1352HUN-7.69	7,69	33	117	42	8	6
		F1352HUN-7.71	7,71	33	117	42	8	6
		F1352HUN-7.72	7,72	33	117	42	8	6
		F1352HUN-7.73	7,73	33	117	42	8	6
		F1352HUN-7.74	7,74	33	117	42	8	6
		F1352HUN-7.75	7,75	33	117	42	8	6
		F1352HUN-7.76	7,76	33	117	42	8	6
		F1352HUN-7.77	7,77	33	117	42	8	6
		F1352HUN-7.78	7,78	33	117	42	8	6
		F1352HUN-7.79	7,79	33	117	42	8	6
		F1352HUN-7.81	7,81	33	117	42	8	6
		F1352HUN-7.82	7,82	33	117	42	8	6
		F1352HUN-7.83	7,83	33	117	42	8	6
		F1352HUN-7.84	7,84	33	117	42	8	6
		F1352HUN-7.85	7,85	33	117	42	8	6
		F1352HUN-7.86	7,86	33	117	42	8	6
		F1352HUN-7.87	7,87	33	117	42	8	6
		F1352HUN-7.88	7,88	33	117	42	8	6
	F1352HUN-7.89	7,89	33	117	42	8	6	
	F1352HUN-7.91	7,91	33	117	42	8	6	
	F1352HUN-7.92	7,92	33	117	42	8	6	
	F1352HUN-7.93	7,93	33	117	42	8	6	
	F1352HUN-7.94	7,94	33	117	42	8	6	
	F1352HUN-7.95	7,95	33	117	42	8	6	
	F1352HUN-7.96	7,96	33	117	42	8	6	
	F1352HUN-7.97	7,97	33	117	42	8	6	
	F1352HUN-7.98	7,98	33	117	42	8	6	
	F1352HUN-7.99	7,99	33	117	42	8	6	
	F1352HUN-8	8	33	117	42	8	6	
	F1352HUN-8.01	8,01	33	117	42	8	6	

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z	
<p>Cylindrical shank</p>	F1352HUN-8.02	8,02	33	117	42	8	6	
	F1352HUN-8.03	8,03	33	117	42	8	6	
	F1352HUN-8.04	8,04	33	117	42	8	6	
	F1352HUN-8.05	8,05	33	117	42	8	6	
	F1352HUN-8.06	8,06	33	117	42	8	6	
	F1352HUN-8.07	8,07	33	117	42	8	6	
	F1352HUN-8.08	8,08	33	117	42	8	6	
	F1352HUN-8.09	8,09	33	117	42	8	6	
	F1352HUN-8.1	8,1	33	117	42	8	6	
	F1352HUN-8.11	8,11	33	117	42	8	6	
	F1352HUN-8.12	8,12	33	117	42	8	6	
	F1352HUN-8.13	8,13	33	117	42	8	6	
	F1352HUN-8.14	8,14	33	117	42	8	6	
	F1352HUN-8.15	8,15	33	117	42	8	6	
	F1352HUN-8.16	8,16	33	117	42	8	6	
	F1352HUN-8.17	8,17	33	117	42	8	6	
	F1352HUN-8.18	8,18	33	117	42	8	6	
	F1352HUN-8.19	8,19	33	117	42	8	6	
	F1352HUN-8.2	8,2	33	117	42	8	6	
	F1352HUN-8.21	8,21	33	117	42	8	6	
	F1352HUN-8.22	8,22	33	117	42	8	6	
	F1352HUN-8.23	8,23	33	117	42	8	6	
	F1352HUN-8.24	8,24	33	117	42	8	6	
	F1352HUN-8.25	8,25	33	117	42	8	6	
	F1352HUN-8.26	8,26	33	117	42	8	6	
	F1352HUN-8.27	8,27	33	117	42	8	6	
	F1352HUN-8.28	8,28	33	117	42	8	6	
	F1352HUN-8.29	8,29	33	117	42	8	6	
	F1352HUN-8.3	8,3	33	117	42	8	6	
	F1352HUN-8.31	8,31	33	117	42	8	6	
	F1352HUN-8.32	8,32	33	117	42	8	6	
	F1352HUN-8.33	8,33	33	117	42	8	6	
	F1352HUN-8.34	8,34	33	117	42	8	6	
	F1352HUN-8.35	8,35	33	117	42	8	6	
	F1352HUN-8.36	8,36	33	117	42	8	6	
	F1352HUN-8.37	8,37	33	117	42	8	6	
	F1352HUN-8.38	8,38	33	117	42	8	6	
	F1352HUN-8.39	8,39	33	117	42	8	6	
	F1352HUN-8.41	8,41	33	117	42	8	6	
	F1352HUN-8.42	8,42	33	117	42	8	6	
	F1352HUN-8.43	8,43	33	117	42	8	6	
	F1352HUN-8.44	8,44	33	117	42	8	6	
	F1352HUN-8.45	8,45	33	117	42	8	6	
	F1352HUN-8.46	8,46	33	117	42	8	6	
	F1352HUN-8.47	8,47	33	117	42	8	6	
	F1352HUN-8.48	8,48	33	117	42	42	8	6

B3

**WALTER  
SELECT**

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

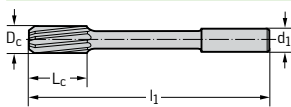
Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
 <p>Cylindrical shank</p>	F1352HUN-8.49	8,49	33	117	42	8	6
	F1352HUN-8.5	8,5	33	117	42	8	6
	F1352HUN-8.51	8,51	36	125	44	9	6
	F1352HUN-8.52	8,52	36	125	44	9	6
	F1352HUN-8.53	8,53	36	125	44	9	6
	F1352HUN-8.54	8,54	36	125	44	9	6
	F1352HUN-8.55	8,55	36	125	44	9	6
	F1352HUN-8.56	8,56	36	125	44	9	6
	F1352HUN-8.57	8,57	36	125	44	9	6
	F1352HUN-8.58	8,58	36	125	44	9	6
	F1352HUN-8.59	8,59	36	125	44	9	6
	F1352HUN-8.61	8,61	36	125	44	9	6
	F1352HUN-8.62	8,62	36	125	44	9	6
	F1352HUN-8.63	8,63	36	125	44	9	6
	F1352HUN-8.64	8,64	36	125	44	9	6
	F1352HUN-8.65	8,65	36	125	44	9	6
	F1352HUN-8.66	8,66	36	125	44	9	6
	F1352HUN-8.67	8,67	36	125	44	9	6
	F1352HUN-8.68	8,68	36	125	44	9	6
	F1352HUN-8.69	8,69	36	125	44	9	6
	F1352HUN-8.71	8,71	36	125	44	9	6
	F1352HUN-8.72	8,72	36	125	44	9	6
	F1352HUN-8.73	8,73	36	125	44	9	6
	F1352HUN-8.74	8,74	36	125	44	9	6
	F1352HUN-8.75	8,75	36	125	44	9	6
	F1352HUN-8.76	8,76	36	125	44	9	6
	F1352HUN-8.77	8,77	36	125	44	9	6
	F1352HUN-8.78	8,78	36	125	44	9	6
	F1352HUN-8.79	8,79	36	125	44	9	6
	F1352HUN-8.81	8,81	36	125	44	9	6
	F1352HUN-8.82	8,82	36	125	44	9	6
	F1352HUN-8.83	8,83	36	125	44	9	6
	F1352HUN-8.84	8,84	36	125	44	9	6
	F1352HUN-8.85	8,85	36	125	44	9	6
	F1352HUN-8.86	8,86	36	125	44	9	6
	F1352HUN-8.87	8,87	36	125	44	9	6
	F1352HUN-8.88	8,88	36	125	44	9	6
	F1352HUN-8.89	8,89	36	125	44	9	6
F1352HUN-8.91	8,91	36	125	44	9	6	
F1352HUN-8.92	8,92	36	125	44	9	6	
F1352HUN-8.93	8,93	36	125	44	9	6	
F1352HUN-8.94	8,94	36	125	44	9	6	
F1352HUN-8.95	8,95	36	125	44	9	6	
F1352HUN-8.96	8,96	36	125	44	9	6	
F1352HUN-8.97	8,97	36	125	44	9	6	
F1352HUN-8.98	8,98	36	125	44	9	6	

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-8.99	8,99	36	125	44	9	6
		F1352HUN-9	9	36	125	44	9	6
		F1352HUN-9.01	9,01	36	125	44	9	6
		F1352HUN-9.02	9,02	36	125	44	9	6
		F1352HUN-9.03	9,03	36	125	44	9	6
		F1352HUN-9.04	9,04	36	125	44	9	6
		F1352HUN-9.05	9,05	36	125	44	9	6
		F1352HUN-9.06	9,06	36	125	44	9	6
		F1352HUN-9.07	9,07	36	125	44	9	6
		F1352HUN-9.08	9,08	36	125	44	9	6
		F1352HUN-9.09	9,09	36	125	44	9	6
		F1352HUN-9.11	9,11	36	125	44	9	6
		F1352HUN-9.12	9,12	36	125	44	9	6
		F1352HUN-9.13	9,13	36	125	44	9	6
		F1352HUN-9.14	9,14	36	125	44	9	6
		F1352HUN-9.15	9,15	36	125	44	9	6
		F1352HUN-9.16	9,16	36	125	44	9	6
		F1352HUN-9.17	9,17	36	125	44	9	6
		F1352HUN-9.18	9,18	36	125	44	9	6
		F1352HUN-9.19	9,19	36	125	44	9	6
		F1352HUN-9.21	9,21	36	125	44	9	6
		F1352HUN-9.22	9,22	36	125	44	9	6
		F1352HUN-9.23	9,23	36	125	44	9	6
		F1352HUN-9.24	9,24	36	125	44	9	6
		F1352HUN-9.25	9,25	36	125	44	9	6
		F1352HUN-9.26	9,26	36	125	44	9	6
		F1352HUN-9.27	9,27	36	125	44	9	6
		F1352HUN-9.28	9,28	36	125	44	9	6
		F1352HUN-9.29	9,29	36	125	44	9	6
		F1352HUN-9.31	9,31	36	125	44	9	6
		F1352HUN-9.32	9,32	36	125	44	9	6
		F1352HUN-9.33	9,33	36	125	44	9	6
		F1352HUN-9.34	9,34	36	125	44	9	6
		F1352HUN-9.35	9,35	36	125	44	9	6
		F1352HUN-9.36	9,36	36	125	44	9	6
		F1352HUN-9.37	9,37	36	125	44	9	6
		F1352HUN-9.38	9,38	36	125	44	9	6
		F1352HUN-9.39	9,39	36	125	44	9	6
		F1352HUN-9.41	9,41	36	125	44	9	6
		F1352HUN-9.42	9,42	36	125	44	9	6
		F1352HUN-9.43	9,43	36	125	44	9	6
		F1352HUN-9.44	9,44	36	125	44	9	6
		F1352HUN-9.45	9,45	36	125	44	9	6
		F1352HUN-9.46	9,46	36	125	44	9	6
		F1352HUN-9.47	9,47	36	125	44	9	6
		F1352HUN-9.48	9,48	36	125	44	9	6

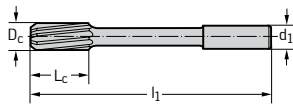
B3

**WALTER  
SELECT**

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

Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
 <p>Cylindrical shank</p>	F1352HUN-9.49	9,49	36	125	44	9	6
	F1352HUN-9.51	9,51	38	133	46	10	6
	F1352HUN-9.52	9,52	38	133	46	10	6
	F1352HUN-9.53	9,53	38	133	46	10	6
	F1352HUN-9.54	9,54	38	133	46	10	6
	F1352HUN-9.55	9,55	38	133	46	10	6
	F1352HUN-9.56	9,56	38	133	46	10	6
	F1352HUN-9.57	9,57	38	133	46	10	6
	F1352HUN-9.58	9,58	38	133	46	10	6
	F1352HUN-9.59	9,59	38	133	46	10	6
	F1352HUN-9.61	9,61	38	133	46	10	6
	F1352HUN-9.62	9,62	38	133	46	10	6
	F1352HUN-9.63	9,63	38	133	46	10	6
	F1352HUN-9.64	9,64	38	133	46	10	6
	F1352HUN-9.65	9,65	38	133	46	10	6
	F1352HUN-9.66	9,66	38	133	46	10	6
	F1352HUN-9.67	9,67	38	133	46	10	6
	F1352HUN-9.68	9,68	38	133	46	10	6
	F1352HUN-9.69	9,69	38	133	46	10	6
	F1352HUN-9.71	9,71	38	133	46	10	6
	F1352HUN-9.72	9,72	38	133	46	10	6
	F1352HUN-9.73	9,73	38	133	46	10	6
	F1352HUN-9.74	9,74	38	133	46	10	6
	F1352HUN-9.75	9,75	38	133	46	10	6
	F1352HUN-9.76	9,76	38	133	46	10	6
	F1352HUN-9.77	9,77	38	133	46	10	6
	F1352HUN-9.78	9,78	38	133	46	10	6
	F1352HUN-9.79	9,79	38	133	46	10	6
	F1352HUN-9.81	9,81	38	133	46	10	6
	F1352HUN-9.82	9,82	38	133	46	10	6
	F1352HUN-9.83	9,83	38	133	46	10	6
	F1352HUN-9.84	9,84	38	133	46	10	6
	F1352HUN-9.85	9,85	38	133	46	10	6
F1352HUN-9.86	9,86	38	133	46	10	6	
F1352HUN-9.87	9,87	38	133	46	10	6	
F1352HUN-9.88	9,88	38	133	46	10	6	
F1352HUN-9.89	9,89	38	133	46	10	6	
F1352HUN-9.91	9,91	38	133	46	10	6	
F1352HUN-9.92	9,92	38	133	46	10	6	
F1352HUN-9.93	9,93	38	133	46	10	6	
F1352HUN-9.94	9,94	38	133	46	10	6	
F1352HUN-9.95	9,95	38	133	46	10	6	
F1352HUN-9.96	9,96	38	133	46	10	6	
F1352HUN-9.97	9,97	38	133	46	10	6	
F1352HUN-9.98	9,98	38	133	46	10	6	
F1352HUN-9.99	9,99	38	133	46	46	10	6

## Tool



Cylindrical shank

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
F1352HUN-10	10	38	133	46	10	6
F1352HUN-10.01	10,01	38	133	46	10	6
F1352HUN-10.02	10,02	38	133	46	10	6
F1352HUN-10.03	10,03	38	133	46	10	6
F1352HUN-10.04	10,04	38	133	46	10	6
F1352HUN-10.05	10,05	38	133	46	10	6
F1352HUN-10.06	10,06	38	133	46	10	6
F1352HUN-10.07	10,07	38	133	46	10	6
F1352HUN-10.08	10,08	38	133	46	10	6
F1352HUN-10.09	10,09	38	133	46	10	6
F1352HUN-10.1	10,1	38	133	46	10	6
F1352HUN-10.11	10,11	38	133	46	10	6
F1352HUN-10.12	10,12	38	133	46	10	6
F1352HUN-10.13	10,13	38	133	46	10	6
F1352HUN-10.14	10,14	38	133	46	10	6
F1352HUN-10.15	10,15	38	133	46	10	6
F1352HUN-10.16	10,16	38	133	46	10	6
F1352HUN-10.17	10,17	38	133	46	10	6
F1352HUN-10.18	10,18	38	133	46	10	6
F1352HUN-10.19	10,19	38	133	46	10	6
F1352HUN-10.2	10,2	38	133	46	10	6
F1352HUN-10.21	10,21	38	133	46	10	6
F1352HUN-10.22	10,22	38	133	46	10	6
F1352HUN-10.23	10,23	38	133	46	10	6
F1352HUN-10.24	10,24	38	133	46	10	6
F1352HUN-10.25	10,25	38	133	46	10	6
F1352HUN-10.26	10,26	38	133	46	10	6
F1352HUN-10.27	10,27	38	133	46	10	6
F1352HUN-10.28	10,28	38	133	46	10	6
F1352HUN-10.29	10,29	38	133	46	10	6
F1352HUN-10.31	10,31	38	133	46	10	6
F1352HUN-10.32	10,32	38	133	46	10	6
F1352HUN-10.33	10,33	38	133	46	10	6
F1352HUN-10.34	10,34	38	133	46	10	6
F1352HUN-10.35	10,35	38	133	46	10	6
F1352HUN-10.36	10,36	38	133	46	10	6
F1352HUN-10.37	10,37	38	133	46	10	6
F1352HUN-10.38	10,38	38	133	46	10	6
F1352HUN-10.39	10,39	38	133	46	10	6
F1352HUN-10.41	10,41	38	133	46	10	6
F1352HUN-10.42	10,42	38	133	46	10	6
F1352HUN-10.43	10,43	38	133	46	10	6
F1352HUN-10.44	10,44	38	133	46	10	6
F1352HUN-10.45	10,45	38	133	46	10	6
F1352HUN-10.46	10,46	38	133	46	10	6
F1352HUN-10.47	10,47	38	133	46	10	6

B3

 WALTER  
SELECT

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-10.48	10,48	38	133	46	10	6
		F1352HUN-10.49	10,49	38	133	46	10	6
		F1352HUN-10.51	10,51	38	133	46	10	6
		F1352HUN-10.52	10,52	38	133	46	10	6
		F1352HUN-10.53	10,53	38	133	46	10	6
		F1352HUN-10.54	10,54	38	133	46	10	6
		F1352HUN-10.55	10,55	38	133	46	10	6
		F1352HUN-10.56	10,56	38	133	46	10	6
		F1352HUN-10.57	10,57	38	133	46	10	6
		F1352HUN-10.58	10,58	38	133	46	10	6
		F1352HUN-10.59	10,59	38	133	46	10	6
		F1352HUN-10.61	10,61	41	142	46	10	6
		F1352HUN-10.62	10,62	41	142	46	10	6
		F1352HUN-10.63	10,63	41	142	46	10	6
		F1352HUN-10.64	10,64	41	142	46	10	6
		F1352HUN-10.65	10,65	41	142	46	10	6
		F1352HUN-10.66	10,66	41	142	46	10	6
		F1352HUN-10.67	10,67	41	142	46	10	6
		F1352HUN-10.68	10,68	41	142	46	10	6
		F1352HUN-10.69	10,69	41	142	46	10	6
		F1352HUN-10.71	10,71	41	142	46	10	6
		F1352HUN-10.72	10,72	41	142	46	10	6
		F1352HUN-10.73	10,73	41	142	46	10	6
		F1352HUN-10.74	10,74	41	142	46	10	6
		F1352HUN-10.75	10,75	41	142	46	10	6
		F1352HUN-10.76	10,76	41	142	46	10	6
		F1352HUN-10.77	10,77	41	142	46	10	6
		F1352HUN-10.78	10,78	41	142	46	10	6
		F1352HUN-10.79	10,79	41	142	46	10	6
		F1352HUN-10.81	10,81	41	142	46	10	6
	F1352HUN-10.82	10,82	41	142	46	10	6	
	F1352HUN-10.83	10,83	41	142	46	10	6	
	F1352HUN-10.84	10,84	41	142	46	10	6	
	F1352HUN-10.85	10,85	41	142	46	10	6	
	F1352HUN-10.86	10,86	41	142	46	10	6	
	F1352HUN-10.87	10,87	41	142	46	10	6	
	F1352HUN-10.88	10,88	41	142	46	10	6	
	F1352HUN-10.89	10,89	41	142	46	10	6	
	F1352HUN-10.91	10,91	41	142	46	10	6	
	F1352HUN-10.92	10,92	41	142	46	10	6	
	F1352HUN-10.93	10,93	41	142	46	10	6	
	F1352HUN-10.94	10,94	41	142	46	10	6	
	F1352HUN-10.95	10,95	41	142	46	10	6	
	F1352HUN-10.96	10,96	41	142	46	10	6	
	F1352HUN-10.97	10,97	41	142	46	10	6	
	F1352HUN-10.98	10,98	41	142	46	10	6	

B3

**WALTER SELECT**

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-10.99	10,99	41	142	46	10	6
		F1352HUN-11.01	11,01	41	142	46	10	6
		F1352HUN-11.02	11,02	41	142	46	10	6
		F1352HUN-11.03	11,03	41	142	46	10	6
		F1352HUN-11.04	11,04	41	142	46	10	6
		F1352HUN-11.05	11,05	41	142	46	10	6
		F1352HUN-11.06	11,06	41	142	46	10	6
		F1352HUN-11.07	11,07	41	142	46	10	6
		F1352HUN-11.08	11,08	41	142	46	10	6
		F1352HUN-11.09	11,09	41	142	46	10	6
		F1352HUN-11.1	11,1	41	142	46	10	6
		F1352HUN-11.11	11,11	41	142	46	10	6
		F1352HUN-11.12	11,12	41	142	46	10	6
		F1352HUN-11.13	11,13	41	142	46	10	6
		F1352HUN-11.14	11,14	41	142	46	10	6
		F1352HUN-11.15	11,15	41	142	46	10	6
		F1352HUN-11.16	11,16	41	142	46	10	6
		F1352HUN-11.17	11,17	41	142	46	10	6
		F1352HUN-11.18	11,18	41	142	46	10	6
		F1352HUN-11.19	11,19	41	142	46	10	6
		F1352HUN-11.2	11,2	41	142	46	10	6
		F1352HUN-11.21	11,21	41	142	46	10	6
		F1352HUN-11.22	11,22	41	142	46	10	6
		F1352HUN-11.23	11,23	41	142	46	10	6
		F1352HUN-11.24	11,24	41	142	46	10	6
		F1352HUN-11.25	11,25	41	142	46	10	6
		F1352HUN-11.26	11,26	41	142	46	10	6
		F1352HUN-11.27	11,27	41	142	46	10	6
		F1352HUN-11.28	11,28	41	142	46	10	6
		F1352HUN-11.29	11,29	41	142	46	10	6
		F1352HUN-11.3	11,3	41	142	46	10	6
		F1352HUN-11.31	11,31	41	142	46	10	6
		F1352HUN-11.32	11,32	41	142	46	10	6
		F1352HUN-11.33	11,33	41	142	46	10	6
		F1352HUN-11.34	11,34	41	142	46	10	6
	F1352HUN-11.35	11,35	41	142	46	10	6	
	F1352HUN-11.36	11,36	41	142	46	10	6	
	F1352HUN-11.37	11,37	41	142	46	10	6	
	F1352HUN-11.38	11,38	41	142	46	10	6	
	F1352HUN-11.39	11,39	41	142	46	10	6	
	F1352HUN-11.4	11,4	41	142	46	10	6	
	F1352HUN-11.41	11,41	41	142	46	10	6	
	F1352HUN-11.42	11,42	41	142	46	10	6	
	F1352HUN-11.43	11,43	41	142	46	10	6	
	F1352HUN-11.44	11,44	41	142	46	10	6	
	F1352HUN-11.45	11,45	41	142	46	10	6	

B3

**WALTER  
SELECT**

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



Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352HUN-11.46	11,46	41	142	46	10	6
		F1352HUN-11.47	11,47	41	142	46	10	6
		F1352HUN-11.48	11,48	41	142	46	10	6
		F1352HUN-11.49	11,49	41	142	46	10	6
		F1352HUN-11.51	11,51	41	142	46	10	6
		F1352HUN-11.52	11,52	41	142	46	10	6
		F1352HUN-11.53	11,53	41	142	46	10	6
		F1352HUN-11.54	11,54	41	142	46	10	6
		F1352HUN-11.55	11,55	41	142	46	10	6
		F1352HUN-11.56	11,56	41	142	46	10	6
		F1352HUN-11.57	11,57	41	142	46	10	6
		F1352HUN-11.58	11,58	41	142	46	10	6
	F1352HUN-11.59	11,59	41	142	46	10	6	
	F1352HUN-11.6	11,6	41	142	46	10	6	
	F1352HUN-11.61	11,61	41	142	46	10	6	
	F1352HUN-11.62	11,62	41	142	46	10	6	
	F1352HUN-11.63	11,63	41	142	46	10	6	
	F1352HUN-11.64	11,64	41	142	46	10	6	
	F1352HUN-11.65	11,65	41	142	46	10	6	
	F1352HUN-11.66	11,66	41	142	46	10	6	
	F1352HUN-11.67	11,67	41	142	46	10	6	
	F1352HUN-11.68	11,68	41	142	46	10	6	
	F1352HUN-11.69	11,69	41	142	46	10	6	
	F1352HUN-11.7	11,7	41	142	46	10	6	
	F1352HUN-11.71	11,71	41	142	46	10	6	
	F1352HUN-11.72	11,72	41	142	46	10	6	
	F1352HUN-11.73	11,73	41	142	46	10	6	
	F1352HUN-11.74	11,74	41	142	46	10	6	
	F1352HUN-11.75	11,75	41	142	46	10	6	
	F1352HUN-11.76	11,76	41	142	46	10	6	
	F1352HUN-11.77	11,77	41	142	46	10	6	
	F1352HUN-11.78	11,78	41	142	46	10	6	
	F1352HUN-11.79	11,79	41	142	46	10	6	
	F1352HUN-11.8	11,8	41	142	46	10	6	
	F1352HUN-11.81	11,81	44	151	46	10	6	
	F1352HUN-11.82	11,82	44	151	46	10	6	
	F1352HUN-11.83	11,83	44	151	46	10	6	
	F1352HUN-11.84	11,84	44	151	46	10	6	
	F1352HUN-11.85	11,85	44	151	46	10	6	
	F1352HUN-11.86	11,86	44	151	46	10	6	
	F1352HUN-11.87	11,87	44	151	46	10	6	
	F1352HUN-11.88	11,88	44	151	46	10	6	
	F1352HUN-11.89	11,89	44	151	46	10	6	
	F1352HUN-11.9	11,9	44	151	46	10	6	
	F1352HUN-11.91	11,91	44	151	46	10	6	
	F1352HUN-11.92	11,92	44	151	46	10	6	
<p>Cylindrical shank</p>		F1352HUN-11.93	11,93	44	151	46	10	6
		F1352HUN-11.94	11,94	44	151	46	10	6
		F1352HUN-11.95	11,95	44	151	46	10	6
		F1352HUN-11.96	11,96	44	151	46	10	6
		F1352HUN-11.97	11,97	44	151	46	10	6
		F1352HUN-11.98	11,98	44	151	46	10	6
		F1352HUN-11.99	11,99	44	151	46	10	6
		F1352HUN-12	12	44	151	46	10	6

**WALTER  
SELECT**

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

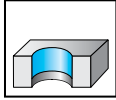
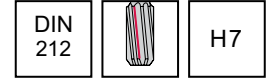
B3

# HSS machine reamers

## F1352

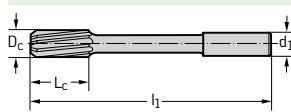


- Walter standard up to dia. 1.3 mm
- With centring tip on both sides up to dia. 3.7 mm



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

### Tool



Cylindrical shank

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm	Z
F1352-0.9	0.9	6	34	1	3
F1352-1	1	6	34	1	3
F1352-1.1	1.1	7	36	1	3
F1352-1.2	1.2	8	38	1	3
F1352-1.3	1.3	8	38	1	3
F1352-1.4	1.4	8	40	1	3
F1352-1.5	1.5	8	40	2	3
F1352-1.6	1.6	9	43	2	3
F1352-1.7	1.7	9	43	2	3
F1352-1.8	1.8	10	46	2	4
F1352-1.9	1.9	10	46	2	4
F1352-2	2	11	49	2	4
F1352-2.1	2.1	11	49	2	4
F1352-2.2	2.2	12	53	2	4
F1352-2.3	2.3	12	53	2	4
F1352-2.4	2.4	14	57	2	4
F1352-2.5	2.5	14	57	3	4
F1352-2.6	2.6	14	57	3	4
F1352-2.7	2.7	15	61	3	6
F1352-2.8	2.8	15	61	3	6
F1352-2.9	2.9	15	61	3	6
F1352-3	3	15	61	3	6
F1352-3.1	3.1	16	65	3	6
F1352-3.2	3.2	16	65	3	6
F1352-3.3	3.3	16	65	3	6
F1352-3.4	3.4	18	70	3	6
F1352-3.5	3.5	18	70	4	6
F1352-3.6	3.6	18	70	4	6
F1352-3.7	3.7	18	70	4	6
F1352-3.8	3.8	19	75	4	6
F1352-3.9	3.9	19	75	4	6
F1352-4	4	19	75	4	6
F1352-4.1	4.1	19	75	4	6
F1352-4.2	4.2	19	75	4	6
F1352-4.3	4.3	21	80	5	6
F1352-4.4	4.4	21	80	5	6

**WALTER  
SELECT**

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

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1352-4.5	4,5	21	80	5	6
		F1352-4.6	4,6	21	80	5	6
		F1352-4.7	4,7	21	80	5	6
		F1352-4.8	4,8	23	86	5	6
		F1352-4.9	4,9	23	86	5	6
		F1352-5	5	23	86	5	6
		F1352-5.1	5,1	23	86	5	6
		F1352-5.2	5,2	23	86	5	6
		F1352-5.3	5,3	23	86	5	6
		F1352-5.4	5,4	26	93	6	6
		F1352-5.5	5,5	26	93	6	6
		F1352-5.6	5,6	26	93	6	6
		F1352-5.7	5,7	26	93	6	6
		F1352-5.8	5,8	26	93	6	6
		F1352-5.9	5,9	26	93	6	6
		F1352-6	6	26	93	6	6
		F1352-6.1	6,1	28	101	6	6
		F1352-6.2	6,2	28	101	6	6
		F1352-6.3	6,3	28	101	6	6
		F1352-6.4	6,4	28	101	6	6
		F1352-6.5	6,5	28	101	6	6
		F1352-6.6	6,6	28	101	6	6
		F1352-6.7	6,7	28	101	6	6
		F1352-6.8	6,8	31	109	7	6
		F1352-6.9	6,9	31	109	7	6
		F1352-7	7	31	109	7	6
		F1352-7.1	7,1	31	109	7	6
		F1352-7.2	7,2	31	109	7	6
		F1352-7.3	7,3	31	109	7	6
		F1352-7.4	7,4	31	109	7	6
		F1352-7.5	7,5	31	109	7	6
		F1352-7.6	7,6	33	117	8	6
		F1352-7.7	7,7	33	117	8	6
	F1352-7.8	7,8	33	117	8	6	
	F1352-7.9	7,9	33	117	8	6	
	F1352-8	8	33	117	8	6	
	F1352-8.1	8,1	33	117	8	6	
	F1352-8.2	8,2	33	117	8	6	
	F1352-8.3	8,3	33	117	8	6	
	F1352-8.4	8,4	33	117	8	6	
	F1352-8.5	8,5	33	117	8	6	
	F1352-8.6	8,6	36	125	9	6	
	F1352-8.7	8,7	36	125	9	6	
	F1352-8.8	8,8	36	125	9	6	
	F1352-8.9	8,9	36	125	9	6	
	F1352-9	9	36	125	9	6	

B3

**WALTER SELECT**

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

Tool	Designation	$D_c$ mm	$L_c$ mm	$l_1$ mm	$d_1$ h9 mm	Z
<p>Cylindrical shank</p>	F1352-9.1	9,1	36	125	9	6
	F1352-9.2	9,2	36	125	9	6
	F1352-9.3	9,3	36	125	9	6
	F1352-9.4	9,4	36	125	9	6
	F1352-9.5	9,5	36	125	9	6
	F1352-9.6	9,6	38	133	10	6
	F1352-9.7	9,7	38	133	10	6
	F1352-9.8	9,8	38	133	10	6
	F1352-9.9	9,9	38	133	10	6
	F1352-10	10	38	133	10	6
	F1352-10.1	10,1	38	133	10	6
	F1352-10.2	10,2	38	133	10	6
	F1352-10.3	10,3	38	133	10	6
	F1352-10.4	10,4	38	133	10	6
	F1352-10.5	10,5	38	133	10	6
	F1352-10.6	10,6	38	133	10	6
	F1352-10.7	10,7	41	142	10	6
	F1352-10.8	10,8	41	142	10	6
	F1352-10.9	10,9	41	142	10	6
	F1352-11	11	41	142	10	6
	F1352-11.5	11,5	41	142	10	6
F1352-12	12	44	151	10	6	
F1352-12.5	12,5	44	151	10	6	
F1352-13	13	44	151	10	6	
F1352-13.5	13,5	47	160	13	8	
F1352-14	14	47	160	13	8	
F1352-14.5	14,5	50	162	13	8	
F1352-15	15	50	162	13	8	
F1352-15.5	15,5	52	170	13	8	
F1352-16	16	52	170	13	8	
F1352-16.5	16,5	54	175	14	8	
F1352-17	17	54	175	14	8	
F1352-17.5	17,5	56	182	14	8	
F1352-18	18	56	182	14	8	
F1352-18.5	18,5	58	189	16	8	
F1352-19	19	58	189	16	8	
F1352-19.5	19,5	60	195	16	8	
F1352-20	20	60	195	16	8	

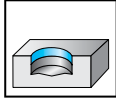
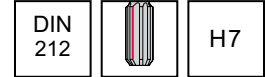
B3

# HSS machine reamers

## F1342



- Walter standard up to dia. 2.1 mm
- With centring tip on both sides up to dia. 3.7 mm



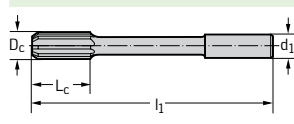
	P	M	K	N	S	H	O
uncoated	●●		●●	●●			●●

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1342-1	1	6	34	1	3
		F1342-1.1	1.1	7	36	1	3
		F1342-1.2	1.2	7	36	1	3
		F1342-1.3	1.3	8	38	1	3
		F1342-1.4	1.4	8	40	1	3
		F1342-1.5	1.5	8	40	1	3
		F1342-1.6	1.6	9	43	2	3
		F1342-1.7	1.7	9	43	2	3
		F1342-1.8	1.8	10	46	2	4
		F1342-1.9	1.9	10	46	2	4
		F1342-2	2	11	49	2	4
		F1342-2.1	2.1	11	49	2	4
		F1342-2.2	2.2	12	53	2	4
		F1342-2.3	2.3	12	53	2	4
		F1342-2.4	2.4	14	57	2	4
		F1342-2.5	2.5	14	57	3	4
		F1342-2.6	2.6	14	57	3	4
		F1342-2.7	2.7	15	61	3	6
		F1342-2.8	2.8	15	61	3	6
		F1342-2.9	2.9	15	61	3	6
		F1342-3	3	15	61	3	6
		F1342-3.1	3.1	16	65	3	6
		F1342-3.2	3.2	16	65	3	6
		F1342-3.3	3.3	16	65	3	6
		F1342-3.4	3.4	18	70	3	6
		F1342-3.5	3.5	18	70	4	6
		F1342-3.6	3.6	18	70	4	6
		F1342-3.7	3.7	18	70	4	6
		F1342-3.8	3.8	19	75	4	6
		F1342-3.9	3.9	19	75	4	6
		F1342-4	4	19	75	4	6
		F1342-4.1	4.1	19	75	4	6
		F1342-4.2	4.2	19	75	4	6
		F1342-4.3	4.3	21	80	5	6
	F1342-4.4	4.4	21	80	5	6	
	F1342-4.5	4.5	21	80	5	6	

B3

**WALTER SELECT** ●● Primary application ● Other application  
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Tool		Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm	Z
<p>Cylindrical shank</p>		F1342-4.6	4,6	21	80	5	6
		F1342-4.7	4,7	21	80	5	6
		F1342-4.8	4,8	23	86	5	6
		F1342-4.9	4,9	23	86	5	6
		F1342-5	5	23	86	5	6
		F1342-5.1	5,1	23	86	5	6
		F1342-5.2	5,2	23	86	5	6
		F1342-5.3	5,3	23	86	5	6
		F1342-5.4	5,4	26	93	6	6
		F1342-5.5	5,5	26	93	6	6
		F1342-5.6	5,6	26	93	6	6
		F1342-5.7	5,7	26	93	6	6
		F1342-5.8	5,8	26	93	6	6
		F1342-5.9	5,9	26	93	6	6
		F1342-6	6	26	93	6	6
		F1342-6.1	6,1	28	101	6	6
		F1342-6.2	6,2	28	101	6	6
		F1342-6.3	6,3	28	101	6	6
		F1342-6.4	6,4	28	101	6	6
		F1342-6.5	6,5	28	101	6	6
		F1342-6.6	6,6	28	101	6	6
		F1342-6.7	6,7	28	101	6	6
		F1342-6.8	6,8	31	109	7	6
		F1342-6.9	6,9	31	109	7	6
		F1342-7	7	31	109	7	6
		F1342-7.1	7,1	31	109	7	6
		F1342-7.2	7,2	31	109	7	6
		F1342-7.3	7,3	31	109	7	6
		F1342-7.4	7,4	31	109	7	6
		F1342-7.5	7,5	31	109	7	6
		F1342-7.6	7,6	33	117	8	6
	F1342-7.7	7,7	33	117	8	6	
	F1342-7.8	7,8	33	117	8	6	
	F1342-7.9	7,9	33	117	8	6	
	F1342-8	8	33	117	8	6	
	F1342-8.1	8,1	33	117	8	6	
	F1342-8.2	8,2	33	117	8	6	
	F1342-8.3	8,3	33	117	8	6	
	F1342-8.4	8,4	33	117	8	6	
	F1342-8.5	8,5	33	117	8	6	
	F1342-8.6	8,6	36	125	9	6	
	F1342-8.7	8,7	36	125	9	6	
	F1342-8.8	8,8	36	125	9	6	
	F1342-8.9	8,9	36	125	9	6	
	F1342-9	9	36	125	9	6	
	F1342-9.1	9,1	36	125	9	6	

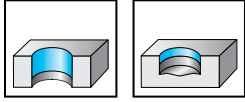
Tool	Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	d <sub>1</sub> h9 mm	Z
 <p>Cylindrical shank</p>	F1342-9.2	9,2	36	125	9	6
	F1342-9.3	9,3	36	125	9	6
	F1342-9.4	9,4	36	125	9	6
	F1342-9.5	9,5	36	125	9	6
	F1342-9.6	9,6	38	133	10	6
	F1342-9.7	9,7	38	133	10	6
	F1342-9.8	9,8	38	133	10	6
	F1342-9.9	9,9	38	133	10	6
	F1342-10	10	38	133	10	6
	F1342-10.1	10,1	38	133	10	6
	F1342-10.2	10,2	38	133	10	6
	F1342-10.3	10,3	38	133	10	6
	F1342-10.4	10,4	38	133	10	6
	F1342-10.5	10,5	38	133	10	6
	F1342-10.6	10,6	38	133	10	6
	F1342-10.7	10,7	41	142	10	6
	F1342-10.8	10,8	41	142	10	6
	F1342-10.9	10,9	41	142	10	6
	F1342-11	11	41	142	10	6
	F1342-11.5	11,5	41	142	10	6
F1342-12	12	44	151	10	6	
F1342-12.5	12,5	44	151	10	6	
F1342-13	13	44	151	10	6	
F1342-13.5	13,5	47	160	13	6	
F1342-14	14	47	160	13	8	
F1342-14.5	14,5	50	162	13	8	
F1342-15	15	50	162	13	8	
F1342-15.5	15,5	52	170	13	8	
F1342-16	16	52	170	13	8	
F1342-16.5	16,5	54	175	14	8	
F1342-17	17	54	175	14	8	
F1342-17.5	17,5	56	182	14	8	
F1342-18	18	56	182	14	8	
F1342-18.5	18,5	58	189	16	8	
F1342-19	19	58	189	16	8	
F1342-19.5	19,5	60	195	16	8	
F1342-20	20	60	195	16	8	

# HSS machine tapered reamers

## F3234

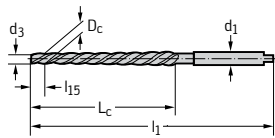


– For tapered pins in accordance with DIN EN 28736; 28737; 28744  
 – For tapered pins in accordance with DIN 258; 1447; 7977; 7978



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

### Tool



Cylindrical shank

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>15</sub> mm	d <sub>1</sub> h9 mm	d <sub>3</sub> mm	Z
F3234-1	1	33	60	5	1,4	0,9	2
F3234-1.5	1,5	42	70	5	2,1	1,4	2
F3234-2	2	48	86	5	3,2	1,9	3
F3234-2.5	2,5	48	86	5	3,2	2,4	3
F3234-3	3	58	100	5	4	2,9	3
F3234-4	4	68	112	5	5	3,9	3
F3234-5	5	73	122	5	6,3	4,9	3
F3234-6	6	105	160	5	8	5,9	3
F3234-8	8	145	207	5	10	7,9	3
F3234-10	10	175	245	5	12,5	9,9	3
F3234-12	12	210	290	10	16	11,8	3

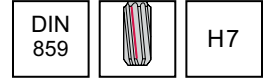
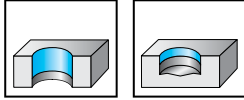
B3



# HSS adjustable hand-held reamers F1231



– Adjustment range:  $0.01 \times D_c$



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

Tool		Designation	$D_c$ mm	$L_c$ mm	$l_1$ mm	Z
<p>Parallel shank</p>		F1231-8	8	42	115	9
		F1231-9	9	46	124	9
		F1231-10	10	50	133	9
		F1231-11	11	51	142	9
		F1231-12	12	56	152	9
		F1231-13	13	56	152	9
		F1231-14	14	61	163	9
		F1231-15	15	61	163	9
		F1231-16	16	67	175	9
		F1231-17	17	67	175	9
		F1231-18	18	68	188	9
		F1231-19	19	68	188	9
		F1231-20	20	75	201	9
		F1231-22	22	82	215	12
		F1231-24	24	85	231	12
		F1231-25	25	85	231	12
		F1231-26	26	85	231	12
		F1231-28	28	94	247	12
		F1231-30	30	94	247	12

B3

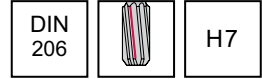
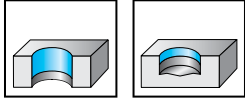
●● Primary application   ● Other application  
 Best tool for → Good = 😊   → Average = 😐   → Poor = ☹️ machining conditions

# HSS hand-held reamers

## F1131

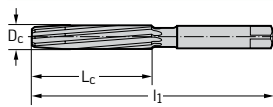


– Long chamfer



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

### Tool



Cylindrical shank

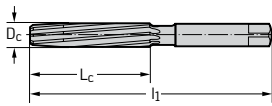
Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	Z
F1131-1	1	13	34	3
F1131-1.2	1.2	17	38	3
F1131-1.4	1.4	20	41	3
F1131-1.5	1.5	20	41	3
F1131-1.6	1.6	21	44	3
F1131-1.7	1.7	21	44	3
F1131-1.8	1.8	23	47	4
F1131-1.9	1.9	23	47	4
F1131-2	2	25	50	4
F1131-2.1	2.1	25	50	4
F1131-2.2	2.2	27	54	4
F1131-2.3	2.3	27	54	4
F1131-2.4	2.4	29	58	4
F1131-2.5	2.5	29	58	4
F1131-2.6	2.6	29	58	4
F1131-2.7	2.7	31	62	6
F1131-2.8	2.8	31	62	6
F1131-2.9	2.9	31	62	6
F1131-3	3	31	62	6
F1131-3.1	3.1	33	66	6
F1131-3.2	3.2	33	66	6
F1131-3.3	3.3	33	66	6
F1131-3.4	3.4	35	71	6
F1131-3.5	3.5	35	71	6
F1131-3.6	3.6	35	71	6
F1131-3.7	3.7	35	71	6
F1131-3.8	3.8	38	76	6
F1131-3.9	3.9	38	76	6
F1131-4	4	38	76	6
F1131-4.1	4.1	38	76	6
F1131-4.2	4.2	38	76	6
F1131-4.3	4.3	41	81	6
F1131-4.4	4.4	41	81	6
F1131-4.5	4.5	41	81	6
F1131-4.6	4.6	41	81	6
F1131-4.7	4.7	41	81	6

**WALTER  
SELECT**

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

B3

## Tool



Cylindrical shank

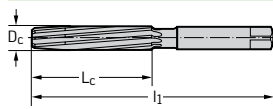
Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	Z
F1131-4.8	4,8	44	87	6
F1131-4.9	4,9	44	87	6
F1131-5	5	44	87	6
F1131-5.1	5,1	44	87	6
F1131-5.2	5,2	44	87	6
F1131-5.4	5,4	47	93	6
F1131-5.5	5,5	47	93	6
F1131-5.6	5,6	47	93	6
F1131-5.7	5,7	47	93	6
F1131-5.8	5,8	47	93	6
F1131-5.9	5,9	47	93	6
F1131-6	6	47	93	6
F1131-6.1	6,1	50	100	6
F1131-6.2	6,2	50	100	6
F1131-6.3	6,3	50	100	6
F1131-6.4	6,4	50	100	6
F1131-6.5	6,5	50	100	6
F1131-6.6	6,6	50	100	6
F1131-6.7	6,7	50	100	6
F1131-6.8	6,8	54	107	6
F1131-6.9	6,9	54	107	6
F1131-7	7	54	107	6
F1131-7.1	7,1	54	107	6
F1131-7.2	7,2	54	107	6
F1131-7.3	7,3	54	107	6
F1131-7.4	7,4	54	107	6
F1131-7.5	7,5	54	107	6
F1131-7.7	7,7	58	115	6
F1131-7.8	7,8	58	115	6
F1131-7.9	7,9	58	115	6
F1131-8	8	58	115	6
F1131-8.1	8,1	58	115	6
F1131-8.2	8,2	58	115	6
F1131-8.3	8,3	58	115	6
F1131-8.4	8,4	58	115	6
F1131-8.5	8,5	58	115	6
F1131-8.7	8,7	62	124	6
F1131-8.8	8,8	62	124	6
F1131-8.9	8,9	62	124	6
F1131-9	9	62	124	6
F1131-9.1	9,1	62	124	6
F1131-9.2	9,2	62	124	6
F1131-9.3	9,3	62	124	6
F1131-9.4	9,4	62	124	6
F1131-9.5	9,5	62	124	6
F1131-9.6	9,6	66	133	6

B3

**WALTER  
SELECT**

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

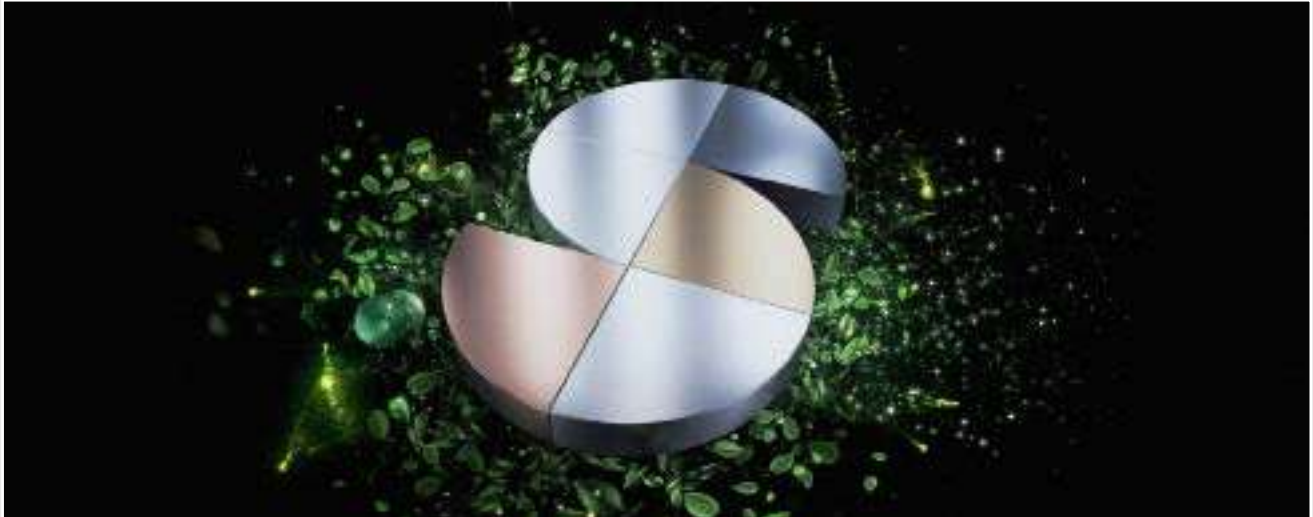
## Tool



Cylindrical shank

Designation	D <sub>c</sub> mm	L <sub>c</sub> mm	l <sub>1</sub> mm	Z
F1131-9.7	9,7	66	133	6
F1131-9.8	9,8	66	133	6
F1131-10	10	66	133	6
F1131-10.5	10,5	66	133	6
F1131-11	11	71	142	6
F1131-11.5	11,5	71	142	6
F1131-12	12	76	152	6
F1131-12.5	12,5	76	152	6
F1131-13	13	76	152	6
F1131-13.5	13,5	81	163	8
F1131-14	14	81	163	8
F1131-14.5	14,5	81	163	8
F1131-15	15	81	163	8
F1131-16	16	87	175	8
F1131-16.5	16,5	87	175	8
F1131-17	17	87	175	8
F1131-18	18	93	188	8
F1131-18.5	18,5	93	188	8
F1131-19	19	93	188	8
F1131-19.5	19,5	100	201	8
F1131-20	20	100	201	8
F1131-20.5	20,5	100	201	8
F1131-21	21	100	201	8
F1131-21.5	21,5	100	201	8
F1131-22	22	107	215	8
F1131-23	23	107	215	8
F1131-25	25	115	231	8
F1131-26	26	115	231	8
F1131-28	28	124	247	10
F1131-30	30	124	247	10
F1131-32	32	133	265	10

B3



# Sustainable products and services – certified and transparent

Walter is a company that takes responsibility for people and the environment. Sustainability is a central component of our corporate strategy. It pervades our products and business divisions and is reviewed and certified by independent third parties on a regular basis.

## Proven to be produced to high standards

All processes, procedures, methods and instruments that we use are checked and certified by an independent body according to strict criteria. Occupational health and safety, quality assurance and environmentally friendly actions (e.g. through CO<sub>2</sub> compensation of our energy use) are examples of this. Our social commitment shows that Walter has a broader definition of responsibility.

## Transparency throughout the entire process chain – for your peace of mind

The integrated management system at Walter includes the sustainable use of resources and production equipment as well as of people – our customers, partners and employees. So that you can count on all of our products meeting these requirements throughout the entire process chain, we apply our own benchmarks to our suppliers too.

## Certification

The integrated management system at Walter includes certification in accordance with:

- ISO 9001 (Quality management)
- ISO 14001 (Environmental management)
- ISO 45001 (Occupational health and safety management)
- ISO 50001 (Energy management)
- Certified according to Ecovadis Gold Standard and NQC rating

You can find more information on Walter certification here:



### Occupational health and safety

Walter protects its employees against health hazards. To prevent accidents, we continuously review our processes and take proactive measures as a precaution.



### Environmental and energy management

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



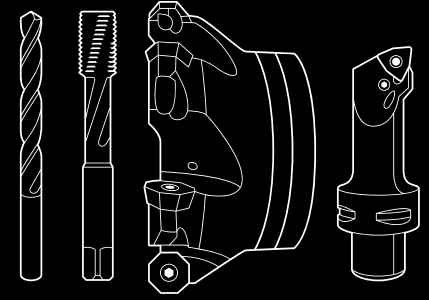
### Quality management

Walter is continuously improving its products and processes. We ensure our product quality using effective measures and procedures – and check it on a regular basis with our comprehensive quality management system.

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