WALTER
Engineering Kompetenz

Turning, holemaking, threading, milling

Product Innovations catalogue
Edition 2021-2

_ THE RIGHT TIME FOR INNOVATION

Product Innovations catalogue

How to find and order your tool solution:

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

The Walter Hybrid 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, 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

TOOL:SHOP

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.

Walter product innovations

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A – Turning

ISO turning – A1

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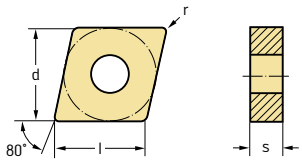
Negative rhombic 80°
CNMG
Tiger·tec® Gold



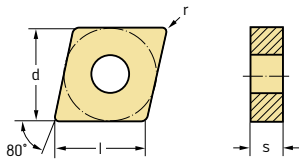
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S	HW WS10
	CNMG090304-FP5	0,4	0,04–0,20	0,1–1,5		☺	☺														
	CNMG090308-FP5	0,8	0,08–0,25	0,2–2,0		☺	☺														
	CNMG120402-FP5	0,2	0,04–0,12	0,1–0,5					☺												
	CNMG120404-FP5	0,4	0,04–0,20	0,1–1,5		☺	☺		☺												
	CNMG120408-FP5	0,8	0,08–0,25	0,2–2,0		☺	☺		☺												
	CNMG120412-FP5	1,2	0,10–0,25	0,5–2,5		☺	☺														
Wiper	CNMG120404-FW5	0,4	0,10–0,40	0,3–3,0		☺	☺					☻	☻					☻	☻		
	CNMG120408-FW5	0,8	0,15–0,60	0,4–3,0		☺	☺					☻	☻					☻	☻		
	CNMG090304-MP3	0,4	0,06–0,20	0,3–2,2		☺	☺														
	CNMG090308-MP3	0,8	0,10–0,28	0,6–3,0		☺	☺	☹													
	CNMG120404-MP3	0,4	0,08–0,22	0,3–2,5		☺	☺	☹													
	CNMG120408-MP3	0,8	0,12–0,32	0,6–3,2		☺	☺	☹													
	CNMG120412-MP3	1,2	0,16–0,40	0,8–3,5		☺	☺	☹													
	CNMG120404-MP5	0,4	0,16–0,25	0,5–4,0		☺	☺	☹													
	CNMG120408-MP5	0,8	0,18–0,40	0,6–5,0		☺	☺	☹							☻						
	CNMG120412-MP5	1,2	0,20–0,45	1,0–5,0		☺	☺	☹													
	CNMG120416-MP5	1,6	0,25–0,50	1,2–5,0		☺	☺	☹													
	CNMG160608-MP5	0,8	0,25–0,40	0,8–7,0		☺	☺	☹													
	CNMG160612-MP5	1,2	0,30–0,50	1,0–7,0		☺	☺	☹													
	CNMG160616-MP5	1,6	0,35–0,55	1,2–7,0		☺	☺	☹													
	CNMG120404-MS3	0,4	0,12–0,25	0,6–3,0						☻	☺	☺	☻	☹			☺	☺	☻	☹	☻
	CNMG120408-MS3	0,8	0,15–0,30	0,8–3,0		☺	☺			☻	☺	☺	☻	☹			☺	☺	☻	☹	
	CNMG120412-MS3	1,2	0,15–0,40	1,0–3,5			☺			☻	☺	☺	☻				☺	☺	☻		
	CNMG190612-MS3	1,2	0,18–0,50	1,2–5,0							☺		☻				☺		☻		
	CNMG120404-MU5	0,4	0,15–0,30	0,5–4,0	☻	☺	☺			☻			☻						☻		
	CNMG120408-MU5	0,8	0,15–0,40	0,6–5,0	☻	☺	☺			☻			☻						☻		
	CNMG120412-MU5	1,2	0,20–0,50	1,0–5,0	☻	☺	☺			☻			☻						☻		
	CNMG120416-MU5	1,6	0,25–0,55	1,2–5,0		☺	☺														
	CNMG160612-MU5	1,2	0,30–0,55	1,0–7,0	☻	☺	☺			☻			☻						☻		
Wiper	CNMG120408-MW5	0,8	0,20–0,65	0,8–4,0	☻	☺	☺			☻					☺	☻					
	CNMG120412-MW5	1,2	0,25–0,70	1,5–4,0	☻	☺	☺			☻					☺	☻					
	CNMG120408-RM5	0,8	0,20–0,40	1,2–5,0	☻	☺	☺			☻		☺	☻	☹				☺		☹	
	CNMG120412-RM5	1,2	0,25–0,50	1,5–5,0	☻	☺	☺			☻		☺	☻	☹				☺		☹	
	CNMG120416-RM5	1,6	0,30–0,55	2,0–5,0									☻	☹						☹	
	CNMG160608-RM5	0,8	0,22–0,45	1,2–7,0								☺	☻	☹				☺		☹	
	CNMG160612-RM5	1,2	0,25–0,60	1,5–7,0	☻					☻		☺	☻	☹				☺		☹	
	CNMG160616-RM5	1,6	0,30–0,65	2,0–7,0	☻					☻			☻	☹						☹	
	CNMG190612-RM5	1,2	0,25–0,60	1,5–8,0	☻					☻		☺	☻	☹				☺		☹	
	CNMG190616-RM5	1,6	0,30–0,80	2,0–8,0	☻					☻		☺	☻	☹				☺		☹	

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HE = Coated cermet
HW = Uncoated carbide

Negative rhombic 80°
CNMG
Tiger·tec® Gold



Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M					K		S				HW
						HC			HE		HC				HC			HC			
					WMP20S	WPP10G	WPP20G	WPP30G	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S	WSM30S	WS10
	CNMG120408-RP5	0,8	0,20–0,40	0,8–6,0		☺	☺	☹							☺						
	CNMG120412-RP5	1,2	0,25–0,60	1,0–6,0		☺	☺	☹							☺						
	CNMG120416-RP5	1,6	0,35–0,70	1,6–6,0		☺	☺	☹													
	CNMG160608-RP5	0,8	0,25–0,50	1,0–8,0		☺	☺	☹													
	CNMG160612-RP5	1,2	0,35–0,65	1,2–8,0		☺	☺	☹													
	CNMG160616-RP5	1,6	0,40–0,70	1,6–8,0		☺	☺	☹													
	CNMG160624-RP5	2,4	0,40–0,90	2,0–8,0		☺	☺														
	CNMG190608-RP5	0,8	0,25–0,50	1,0–10,0		☺	☺	☹													
	CNMG190612-RP5	1,2	0,30–0,70	1,2–10,0		☺	☺	☹													
	CNMG190616-RP5	1,6	0,35–0,80	1,6–10,0		☺	☺	☹													
	CNMG190624-RP5	2,4	0,45–1,00	2,0–10,0		☺	☺														
	CNMG250924-RP5	2,4	0,45–1,20	2,0–12,0			☺														
	CNMG120408-RP7	0,8	0,18–0,40	0,8–5,0		☺	☺	☹													
	CNMG120412-RP7	1,2	0,25–0,50	1,2–5,0		☺	☺	☹													
	CNMG120416-RP7	1,6	0,35–0,50	1,5–5,0		☺	☺	☹													
	CNMG160608-RP7	0,8	0,30–0,50	0,8–6,0		☺	☺	☹													
	CNMG160612-RP7	1,2	0,35–0,60	1,2–6,0		☺	☺	☹													
	CNMG160616-RP7	1,6	0,40–0,60	1,5–6,0		☺	☺	☹													
	CNMG190612-RP7	1,2	0,35–0,60	1,2–7,0		☺	☺	☹													
	CNMG190616-RP7	1,6	0,35–0,75	1,5–7,0		☺	☺	☹													
	CNMG250924-RP7	2,4	0,45–1,00	3,0–9,0			☺														

See the ISO 1832 designation key for dimensions

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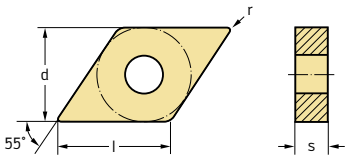
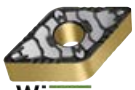
HE = Coated cermet
HW = Uncoated carbide

Negative rhombic 55°
DNMG
Tiger·tec® Gold



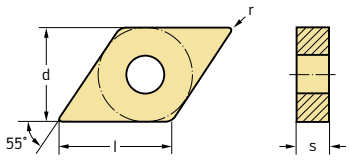
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M					K		S			
						HC			HE		HC				HC			HC		
					WMP20S	WPP10G	WPP20G	WPP30G	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S	WSM30S
	DNMG110402-FP5	0,2	0,04–0,12	0,1–0,5		☺	☺		☺											
	DNMG110404-FP5	0,4	0,04–0,20	0,1–1,5		☺	☺		☺											
	DNMG110408-FP5	0,8	0,08–0,25	0,2–2,0		☺	☺		☺											
	DNMG110412-FP5	1,2	0,10–0,25	0,5–2,5		☺	☺													
	DNMG150404-FP5	0,4	0,05–0,20	0,1–1,5		☺	☺		☺											
	DNMG150408-FP5	0,8	0,08–0,25	0,2–2,0		☺	☺		☺											
	DNMG150412-FP5	1,2	0,10–0,25	0,5–2,5		☺	☺		☺											
	DNMG150604-FP5	0,4	0,05–0,20	0,1–1,5		☺	☺		☺											
	DNMG150608-FP5	0,8	0,08–0,25	0,2–2,0		☺	☺		☺											
	DNMG150612-FP5	1,2	0,10–0,25	0,5–2,5		☺	☺		☺											
 Wiper	DNMG110404-FW5	0,4	0,10–0,35	0,3–2,0		☺	☺					☺	☺					☺	☺	
	DNMG110408-FW5	0,8	0,15–0,50	0,4–2,0		☺	☺					☺	☺					☺	☺	
	DNMG150404-FW5	0,4	0,10–0,40	0,3–3,0		☺							☺						☺	
	DNMG150408-FW5	0,8	0,15–0,50	0,4–3,0		☺							☺						☺	
	DNMG150604-FW5	0,4	0,10–0,40	0,3–3,0		☺	☺					☺	☺					☺	☺	
	DNMG150608-FW5	0,8	0,15–0,50	0,4–3,0		☺	☺					☺	☺					☺	☺	
	DNMG110404-MP3	0,4	0,08–0,22	0,3–2,2		☺	☺													
	DNMG110408-MP3	0,8	0,12–0,32	0,6–3,0		☺	☺	☹												
	DNMG110412-MP3	1,2	0,16–0,40	0,8–3,2		☺	☺													
	DNMG150404-MP3	0,4	0,08–0,22	0,3–2,5		☺	☺													
	DNMG150408-MP3	0,8	0,12–0,32	0,6–3,2		☺	☺	☹												
	DNMG150412-MP3	1,2	0,16–0,40	0,8–3,5		☺	☺	☹												
	DNMG150604-MP3	0,4	0,08–0,22	0,3–2,5		☺	☺	☹												
	DNMG150608-MP3	0,8	0,12–0,32	0,6–3,2		☺	☺	☹												
	DNMG150612-MP3	1,2	0,16–0,40	0,8–3,5		☺	☺													
	DNMG110404-MP5	0,4	0,16–0,25	0,5–4,0		☺	☺	☹												
	DNMG110408-MP5	0,8	0,18–0,35	0,6–4,0		☺	☺	☹												
	DNMG110412-MP5	1,2	0,20–0,40	1,0–4,0		☺	☺	☹												
	DNMG150404-MP5	0,4	0,16–0,25	0,5–4,0		☺	☺	☹												
	DNMG150408-MP5	0,8	0,18–0,35	0,6–5,0		☺	☺	☹												
	DNMG150412-MP5	1,2	0,20–0,40	1,0–5,0		☺	☺	☹												
	DNMG150604-MP5	0,4	0,16–0,25	0,5–4,0		☺	☺	☹												
	DNMG150608-MP5	0,8	0,18–0,35	0,6–5,0		☺	☺	☹												
	DNMG150612-MP5	1,2	0,20–0,40	1,0–5,0		☺	☺	☹												
	DNMG150616-MP5	1,6	0,25–0,45	1,2–5,0		☺	☺													
	DNMG110408-MS3	0,8	0,12–0,30	0,8–2,5			☺			☺	☺	☺		☹			☺	☺		☹
	DNMG150404-MS3	0,4	0,12–0,25	0,6–2,5							☺	☺					☺	☺		
	DNMG150408-MS3	0,8	0,15–0,30	0,8–2,5							☺	☺		☹			☺	☺		☹
	DNMG150604-MS3	0,4	0,12–0,25	0,6–2,5							☺	☺					☺	☺		
	DNMG150608-MS3	0,8	0,15–0,30	0,8–2,5			☺			☺	☺	☺		☹			☺	☺		☹
	DNMG110408-MU5	0,8	0,18–0,35	0,6–4,0	☺	☺	☺			☺			☺						☺	
	DNMG150408-MU5	0,8	0,18–0,35	0,6–5,0	☺	☺	☺			☺			☺						☺	
	DNMG150608-MU5	0,8	0,18–0,35	0,6–5,0	☺	☺	☺			☺			☺						☺	
	DNMG150612-MU5	1,2	0,20–0,45	1,0–5,0	☺	☺	☺			☺			☺						☺	
	DNMG150616-MU5	1,6	0,25–0,50	1,2–5,0	☺	☺	☺			☺			☺						☺	

See the ISO 1832 designation key for dimensions

HE = Coated cermet
HC = Coated carbide

Negative rhombic 55°
DNMG
Tiger·tec® Gold



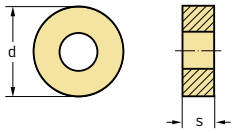
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
Wiper	DNMG110408-MW5	0,8	0,15–0,50	0,8–3,0		😊	😐								😊	😐				
	DNMG110412-MW5	1,2	0,20–0,60	1,5–3,0		😊	😐								😊	😐				
	DNMG150408-MW5	0,8	0,15–0,55	0,8–4,0		😊									😊					
	DNMG150412-MW5	1,2	0,20–0,65	1,5–4,0		😊									😊					
	DNMG150608-MW5	0,8	0,15–0,55	1,5–4,0		😊	😐								😊	😐				
	DNMG150612-MW5	1,2	0,20–0,65	1,5–4,0		😊	😐								😊	😐				
	DNMG110408-RP5	0,8	0,18–0,35	0,8–4,0		😊	😐	☹												
	DNMG110412-RP5	1,2	0,20–0,40	1,0–4,0		😊	😐	☹												
	DNMG150408-RP5	0,8	0,18–0,35	0,8–5,0		😊	😐	☹												
	DNMG150412-RP5	1,2	0,20–0,40	1,0–5,0		😊	😐	☹												
	DNMG150608-RP5	0,8	0,15–0,35	0,8–5,0		😊	😐	☹												
	DNMG150612-RP5	1,2	0,20–0,55	1,0–5,0		😊	😐	☹												
	DNMG150616-RP5	1,6	0,25–0,65	1,6–5,0		😊	😐	☹												

See the ISO 1832 designation key for dimensions

HE = Coated cermet
HC = Coated carbide

Negative round
RNMG
Tiger·tec® Gold



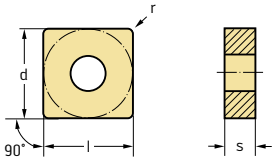
Indexable inserts

	Designation	d mm	f mm	a_p mm	P HC WPP20G	S HW WS10
	RNMG120400-RP5	12,7	0,20–0,60	1,2–5,0	☹	☺

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Negative square
SNMG
Tiger·tec® Gold



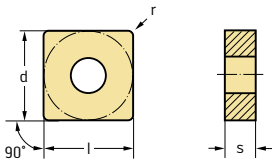
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	M HC WMP20S	M HC WSM20S	S HC WSM20S
	SNMG090308-FP5	0,8	0,06–0,20	0,2–1,5		☺	☹				
	SNMG120404-FP5	0,4	0,04–0,22	0,1–1,8		☺	☹				
	SNMG120408-FP5	0,8	0,08–0,25	0,2–2,0		☺	☹				
	SNMG120412-FP5	1,2	0,10–0,25	0,5–2,5			☹				
	SNMG090308-MP3	0,8	0,10–0,32	0,6–3,0		☺	☹				
	SNMG120404-MP3	0,4	0,08–0,25	0,3–2,5			☹				
	SNMG120408-MP3	0,8	0,12–0,35	0,6–3,2		☺	☹	☠			
	SNMG120412-MP3	1,2	0,16–0,40	0,8–3,5		☺	☹				
	SNMG090308-MP5	0,8	0,14–0,32	0,6–3,0			☹				
	SNMG120408-MP5	0,8	0,18–0,40	0,6–5,0		☺	☹	☠			
	SNMG120412-MP5	1,2	0,20–0,45	1,0–5,0		☺	☹	☠			
	SNMG120416-MP5	1,6	0,25–0,50	1,2–5,0		☺	☹				
	SNMG150608-MP5	0,8	0,25–0,50	0,8–8,0			☹				
	SNMG150612-MP5	1,2	0,30–0,50	1,0–8,0			☹	☠			
	SNMG150616-MP5	1,6	0,35–0,55	1,2–8,0		☺	☹				
	SNMG120408-MU5	0,8	0,18–0,45	0,6–5,0	☹	☺	☹		☹	☹	☹

See the ISO 1832 designation key for dimensions

HC = Coated carbide

Negative square
SNMG
Tiger·tec® Gold



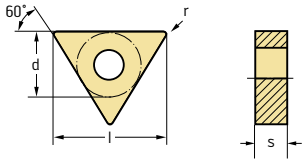
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	M HC WMP20S	M HC WSM20S	S HC WSM20S
	SNMG120408-RP5	0,8	0,20–0,55	0,8–6,0		☺	☺	☹			
	SNMG120412-RP5	1,2	0,25–0,65	1,0–6,0		☺	☺	☹			
	SNMG120416-RP5	1,6	0,35–0,75	1,6–6,0		☺	☺	☹			
	SNMG150612-RP5	1,2	0,25–0,70	1,2–8,0		☺	☺	☹			
	SNMG150616-RP5	1,6	0,35–0,80	1,6–8,0		☺	☺	☹			
	SNMG190612-RP5	1,2	0,30–0,70	1,2–10,0		☺	☺	☹			
	SNMG190616-RP5	1,6	0,35–0,80	1,6–10,0			☺	☹			
	SNMG190624-RP5	2,4	0,44–1,20	2,0–10,0			☺				
	SNMG250924-RP5	2,4	0,55–1,20	2,5–12,0			☺	☹			
	SNMG120408-RP7	0,8	0,25–0,45	0,8–5,0			☺	☹			
	SNMG120412-RP7	1,2	0,30–0,50	1,2–5,0			☺	☹			
	SNMG120416-RP7	1,6	0,35–0,60	1,5–5,0		☺	☺	☹			
	SNMG150612-RP7	1,2	0,35–0,60	1,2–6,0		☺	☺	☹			
	SNMG150616-RP7	1,6	0,40–0,70	1,5–6,0		☺	☺	☹			
	SNMG190612-RP7	1,2	0,35–0,60	1,2–7,0			☺	☹			
	SNMG190616-RP7	1,6	0,40–0,70	1,5–7,0		☺	☺	☹			
	SNMG190624-RP7	2,4	0,40–0,80	2,5–7,0			☺	☹			
	SNMG250924-RP7	2,4	0,55–1,00	3,0–10,0			☺				

See the ISO 1832 designation key for dimensions

HC = Coated carbide

Negative triangular 60°
TNMG
Tiger·tec® Gold



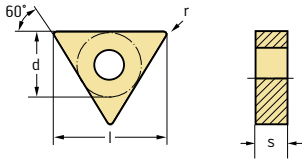
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M				K		S		
						HC			HE		HC				HC		HC	
					WMP20S	WPP10G	WPP20G	WPP30G	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S
	TNMG110308-FP5	0,8	0,08–0,20	0,2–1,5		☺												
	TNMG160404-FP5	0,4	0,04–0,20	0,1–1,5		☺	😐		☺									
	TNMG160408-FP5	0,8	0,08–0,25	0,2–2,0		☺	😐		☺									
	TNMG160412-FP5	1,2	0,10–0,25	0,5–2,5		☺	😐											
Wiper	TNMG160404-FW5	0,4	0,10–0,40	0,3–3,0		☺	😐					☺	😐				☺	😐
	TNMG160408-FW5	0,8	0,15–0,50	0,4–3,0		☺	😐					☺	😐				☺	😐
	TNMG110304-MP3	0,4	0,06–0,18	0,3–2,0		☺												
	TNMG110308-MP3	0,8	0,10–0,25	0,6–2,2		☺	😐											
	TNMG160304-MP3	0,4	0,08–0,22	0,3–2,2			😐											
	TNMG160404-MP3	0,4	0,08–0,22	0,3–2,2		☺	😐	☹										
	TNMG160408-MP3	0,8	0,12–0,32	0,6–3,0		☺	😐	☹										
	TNMG160412-MP3	1,2	0,16–0,40	0,8–3,2		☺	😐	☹										
	TNMG220408-MP3	0,8	0,12–0,32	0,6–3,2			😐											
	TNMG220412-MP3	1,2	0,16–0,40	0,8–3,5		☺	😐											
	TNMG160308-MP5	0,8	0,18–0,35	0,6–4,0			😐							☺				
	TNMG160404-MP5	0,4	0,16–0,25	0,5–4,0		☺	😐	☹										
	TNMG160408-MP5	0,8	0,18–0,35	0,6–4,0		☺	😐	☹										
	TNMG160412-MP5	1,2	0,20–0,40	1,0–4,0		☺	😐	☹										
	TNMG220404-MP5	0,4	0,16–0,25	0,7–4,0		☺	😐											
	TNMG220408-MP5	0,8	0,18–0,35	0,8–5,0		☺	😐	☹										
	TNMG220412-MP5	1,2	0,20–0,40	1,0–5,0		☺	😐	☹										
	TNMG220416-MP5	1,6	0,25–0,45	1,2–5,0		☺	😐											
	TNMG270608-MP5	0,8	0,25–0,45	0,8–7,0			😐											
	TNMG270612-MP5	1,2	0,30–0,50	1,0–7,0		☺	😐	☹										
	TNMG270616-MP5	1,6	0,35–0,55	1,2–7,0			😐											
	TNMG160404-MS3	0,4	0,12–0,25	0,6–3,0			😐				☺					☺		
	TNMG160408-MS3	0,8	0,15–0,30	0,8–3,0			😐				☺	☺				☺	☺	
	TNMG220404-MS3	0,4	0,12–0,25	0,6–3,0			😐				☺					☺		
	TNMG220408-MS3	0,8	0,15–0,30	0,8–3,0			😐				☺	☺				☺	☺	
	TNMG160404-MU5	0,4	0,15–0,30	0,5–4,0	😐	☺	😐			😐			😐					😐
	TNMG160408-MU5	0,8	0,18–0,35	0,6–4,0	😐	☺	😐			😐			😐					😐
	TNMG160412-MU5	1,2	0,20–0,45	1,0–4,0	😐	☺	😐			😐			😐					😐
Wiper	TNMG160408-MW5	0,8	0,15–0,55	0,8–4,0		☺	😐							☺	😐			
	TNMG160412-MW5	1,2	0,20–0,65	1,5–4,0		☺	😐							☺	😐			
	TNMG160408-RP5	0,8	0,20–0,40	0,8–5,0		☺	😐	☹										
	TNMG160412-RP5	1,2	0,25–0,55	1,0–5,0		☺	😐	☹										
	TNMG220408-RP5	0,8	0,20–0,45	0,8–7,0		☺	😐	☹										
	TNMG220412-RP5	1,2	0,25–0,60	1,0–7,0		☺	😐	☹										
	TNMG220416-RP5	1,6	0,35–0,70	1,6–7,0		☺	😐	☹										
	TNMG270612-RP5	1,2	0,30–0,70	1,6–10,0			😐	☹										
	TNMG270616-RP5	1,6	0,35–0,80	2,0–10,0			😐	☹										
	TNMG330924-RP5	2,4	0,45–1,20	2,5–13,0			😐	☹										

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HE = Coated cermet

Negative triangular 60°
TNMG
Tiger·tec® Gold



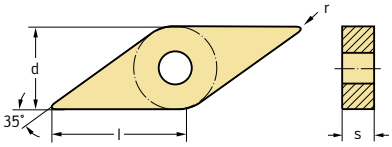
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	K HC WKK10S	K HC WKK20S	S HC WSM01	S HC WSM10S	S HC WSM20S
	TNMG270616-RP7	1,6	0,35–0,75	1,5–9,0														
	TNMG270624-RP7	2,4	0,55–1,00	3,0–9,0														

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HE = Coated cermet

Negative rhombic 35°
VNMG
Tiger·tec® Gold



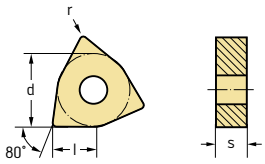
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C
	VNMG160404-FP5	0,4	0,04–0,22	0,1–1,5				
	VNMG160408-FP5	0,8	0,08–0,25	0,2–2,0				
	VNMG160412-FP5	1,2	0,12–0,28	0,3–2,5				
	VNMG160404-MP3	0,4	0,08–0,22	0,3–2,2				
	VNMG160408-MP3	0,8	0,12–0,32	0,6–3,0				
	VNMG160412-MP3	1,2	0,16–0,35	0,8–3,2				
	VNMG160404-MP5	0,4	0,10–0,18	0,5–2,0				
	VNMG160408-MP5	0,8	0,18–0,35	0,6–4,0				
	VNMG160412-MP5	1,2	0,20–0,40	0,8–4,0				
	VNMG220408-MP5	0,8	0,18–0,35	0,6–4,0				

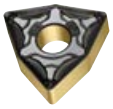
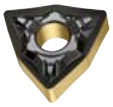
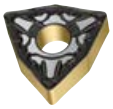
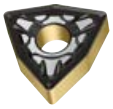
See the ISO 1832 designation key for dimensions

HE = Coated cermet
HC = Coated carbide

Negative Trigon 80°
WNMG
Tiger·tec® Gold



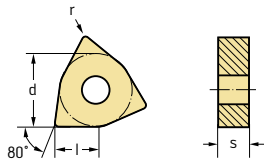
Indexable inserts

	Designation	r mm	f mm	a_p mm	P					M					K		S			
						HC			HE		HC				HC			HC		
					WMP20S	WPP10G	WPP20G	WPP30G	WEP10C	WMP20S	WSM01	WSM10S	WSM20S	WSM30S	WKK10S	WKK20S	WSM01	WSM10S	WSM20S	WSM30S
	WNMG060404-FP5	0,4	0,04–0,20	0,1–1,5		☺	☻													
	WNMG060408-FP5	0,8	0,08–0,25	0,2–2,0		☺	☻													
	WNMG080404-FP5	0,4	0,05–0,20	0,1–1,5		☺	☻		☺											
	WNMG080408-FP5	0,8	0,08–0,25	0,2–2,0		☺	☻		☺											
	WNMG080412-FP5	1,2	0,10–0,25	0,5–2,5		☺	☻													
Wiper	WNMG060404-FW5	0,4	0,10–0,35	0,3–2,0		☺	☻					☺	☻					☺	☻	
	WNMG060408-FW5	0,8	0,15–0,50	0,4–2,0		☺	☻					☺	☻					☺	☻	
	WNMG080404-FW5	0,4	0,10–0,40	0,3–3,0		☺	☻					☺	☻					☺	☻	
	WNMG080408-FW5	0,8	0,15–0,60	0,4–3,0		☺	☻					☺	☻					☺	☻	
	WNMG080412-FW5	1,2	0,25–0,65	0,6–3,0		☺	☻													
	WNMG060404-MP3	0,4	0,08–0,22	0,3–2,2		☺	☻													
	WNMG060408-MP3	0,8	0,12–0,32	0,6–3,0		☺	☻													
	WNMG060412-MP3	1,2	0,16–0,35	0,8–3,2			☻													
	WNMG080404-MP3	0,4	0,08–0,22	0,3–2,5			☻	☹												
	WNMG080408-MP3	0,8	0,12–0,32	0,6–3,2		☺	☻	☹												
	WNMG080412-MP3	1,2	0,16–0,40	0,8–3,5		☺	☻	☹												
	WNMG060404-MP5	0,4	0,16–0,25	0,5–4,0		☺	☻	☹												
	WNMG060408-MP5	0,8	0,18–0,35	0,6–4,0		☺	☻	☹												
	WNMG060412-MP5	1,2	0,20–0,40	1,0–4,0		☺	☻													
	WNMG080404-MP5	0,4	0,16–0,25	0,5–4,0		☺	☻	☹												
	WNMG080408-MP5	0,8	0,18–0,40	0,6–5,0		☺	☻	☹												
	WNMG080412-MP5	1,2	0,20–0,45	1,0–5,0		☺	☻	☹												
	WNMG080416-MP5	1,6	0,25–0,50	1,2–5,0		☺	☻													
	WNMG100608-MP5	0,8	0,25–0,40	0,8–7,0		☺	☻													
	WNMG100612-MP5	1,2	0,30–0,50	1,0–7,0		☺	☻													
	WNMG080404-MS3	0,4	0,12–0,25	0,6–3,0							☺	☺		☹			☺	☺		☹
	WNMG080408-MS3	0,8	0,15–0,30	0,8–3,0			☻			☻	☺	☺		☹			☺	☺		☹
	WNMG060408-MU5	0,8	0,15–0,35	0,6–3,0	☻	☺	☻			☻			☻						☻	
	WNMG080404-MU5	0,4	0,15–0,30	0,5–4,0	☻	☺	☻			☻			☻						☻	
	WNMG080408-MU5	0,8	0,15–0,40	0,6–5,0	☻	☺	☻			☻			☻						☻	
	WNMG080412-MU5	1,2	0,20–0,50	1,0–5,0	☻	☺	☻			☻			☻						☻	
Wiper	WNMG060408-MW5	0,8	0,15–0,50	0,8–3,0		☺	☻								☺					
	WNMG060412-MW5	1,2	0,20–0,60	1,5–3,0		☺	☻								☺					
	WNMG080408-MW5	0,8	0,20–0,65	0,8–4,0	☻	☺	☻			☻					☺	☻				
	WNMG080412-MW5	1,2	0,25–0,70	1,5–4,0	☻	☺	☻			☻					☺	☻				
	WNMG060408-RM5	0,8	0,20–0,40	1,2–3,5	☻					☻			☻	☹						☹
	WNMG080408-RM5	0,8	0,20–0,40	1,2–4,5	☻	☺	☻			☻		☺	☻	☹				☺		☹
	WNMG080412-RM5	1,2	0,25–0,50	1,5–4,5	☻					☻		☺	☻	☹				☺		☹

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HE = Coated cermet

Negative Trigon 80°
WNMG
Tiger·tec® Gold



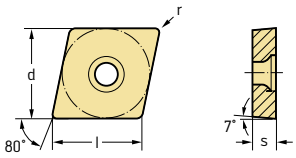
Indexable inserts

	Designation	r mm	f mm	a_p mm	P HC WMP20S	P HC WPP10G	P HC WPP20G	P HC WPP30G	P HE WEP10C	M HC WMP20S	M HC WSM01	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WKK10S	K HC WKK20S	S HC WSM01	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WNMG060408-RP5	0,8	0,20–0,40	0,8–4,0		☺	☺	☹												
	WNMG060412-RP5	1,2	0,25–0,50	1,0–4,0		☺	☺	☹												
	WNMG080408-RP5	0,8	0,20–0,40	0,8–6,0		☺	☺	☹							☺					
	WNMG080412-RP5	1,2	0,25–0,60	1,0–6,0		☺	☺	☹							☺					
	WNMG080416-RP5	1,6	0,35–0,70	1,6–6,0		☺	☺	☹												
	WNMG100612-RP5	1,2	0,35–0,65	1,2–8,0		☺	☺	☹												
	WNMG100616-RP5	1,6	0,35–0,70	1,6–8,0		☺	☺	☹												
	WNMG080408-RP7	0,8	0,18–0,40	0,8–5,0		☺	☺	☹												
	WNMG080412-RP7	1,2	0,25–0,50	1,2–5,0		☺	☺	☹												
	WNMG100608-RP7	0,8	0,30–0,50	0,8–6,0			☺													
	WNMG100612-RP7	1,2	0,35–0,60	1,2–6,0		☺	☺	☹												
	WNMG100616-RP7	1,6	0,40–0,60	1,5–6,0			☺	☹												

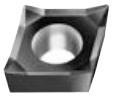
See the ISO 1832 designation key for dimensions

HC = Coated carbide
HE = Coated cermet

Positive rhombic 80°
CCGT



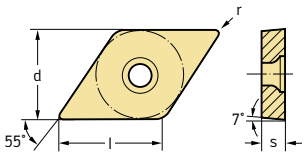
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	CCGT060201-FN2	6,45	0,1	0,02–0,06	0,1–1,5		☹		
	CCGT060202-FN2	6,45	0,2	0,05–0,12	0,2–2,0		☹	☺	
	CCGT060204-FN2	6,45	0,4	0,08–0,25	0,2–2,5		☹	☺	
	CCGT09T301-FN2	9,67	0,1	0,02–0,06	0,1–1,5		☹		
	CCGT09T302-FN2	9,67	0,2	0,05–0,12	0,2–2,0		☹	☺	
	CCGT09T304-FN2	9,67	0,4	0,08–0,25	0,2–2,5		☹	☺	
	CCGT09T308-FN2	9,67	0,8	0,10–0,30	0,3–3,0		☹	☺	
	CCGT120404-FN2	12,9	0,4	0,08–0,25	0,2–3,0		☹	☺	
	CCGT120408-FN2	12,9	0,8	0,10–0,30	0,3–3,5		☹	☺	
	CCGT060201-MN2	6,45	0,1	0,02–0,06	0,5–1,5		☹	☺	
	CCGT060202-MN2	6,45	0,2	0,05–0,12	0,5–2,0	☻	☹	☺	☹
	CCGT060204-MN2	6,45	0,4	0,08–0,25	0,6–3,0	☻	☹	☺	☹
	CCGT09T301-MN2	9,67	0,1	0,02–0,06	0,5–1,5		☹	☺	
	CCGT09T302-MN2	9,67	0,2	0,05–0,12	0,5–2,0	☻	☹	☺	☹
	CCGT09T304-MN2	9,67	0,4	0,08–0,25	0,6–4,0	☻	☹	☺	☹
	CCGT09T308-MN2	9,67	0,8	0,10–0,35	0,8–4,0	☻	☹	☺	☹
	CCGT120402-MN2	12,9	0,2	0,05–0,12	0,5–2,0		☹	☺	
	CCGT120404-MN2	12,9	0,4	0,08–0,25	0,6–5,0		☹	☺	
	CCGT120408-MN2	12,9	0,8	0,10–0,35	0,8–5,0		☹	☺	

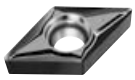
See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Positive rhombic 55°
DCGT



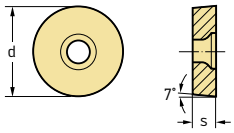
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	DCGT070201-FN2	7,75	0,1	0,02–0,06	0,1–1,5		☹		
	DCGT070202-FN2	7,75	0,2	0,05–0,12	0,2–2,0		☹	☺	
	DCGT070204-FN2	7,75	0,4	0,08–0,25	0,2–2,5		☹	☺	
	DCGT11T301-FN2	11,63	0,1	0,02–0,06	0,1–1,5		☹		
	DCGT11T302-FN2	11,63	0,2	0,05–0,12	0,2–2,0		☹	☺	
	DCGT11T304-FN2	11,63	0,4	0,08–0,25	0,2–2,5		☹	☺	
	DCGT11T308-FN2	11,63	0,8	0,10–0,30	0,3–3,0		☹	☺	
	DCGT070201-MN2	7,75	0,1	0,02–0,06	0,5–1,5		☹	☺	
	DCGT070202-MN2	7,75	0,2	0,05–0,12	0,5–2,0	☻	☹	☺	☹
	DCGT070204-MN2	7,75	0,4	0,08–0,25	0,6–2,5	☻	☹	☺	☹
	DCGT11T301-MN2	11,63	0,1	0,02–0,06	0,5–1,5		☹	☺	
	DCGT11T302-MN2	11,63	0,2	0,05–0,12	0,5–2,0	☻	☹	☺	☹
	DCGT11T304-MN2	11,63	0,4	0,08–0,25	0,6–3,0	☻	☹	☺	☹
	DCGT11T308-MN2	11,63	0,8	0,10–0,30	0,8–3,5	☻	☹	☺	☹

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Positive round
RCGT



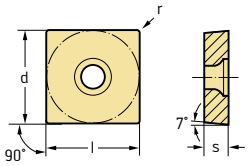
Indexable inserts

	Designation	d mm	f mm	a_p mm	N HC WNN10	N HW WN10
	RCGT0602M0-MN2	6	0,10–0,55	0,6–2,5	☹	☺
	RCGT0803M0-MN2	8	0,12–0,60	0,7–3,0	☹	☺
	RCGT10T3M0-MN2	10	0,15–0,70	0,8–4,0	☹	☺
	RCGT120400-MN2	12,7	0,18–0,80	1,0–5,0	☹	
	RCGT1204M0-MN2	12	0,18–0,80	1,0–5,0	☹	☺

See the ISO 1832 designation key for dimensions

HW = Uncoated carbide
HC = Coated carbide

Positive square
SCGT



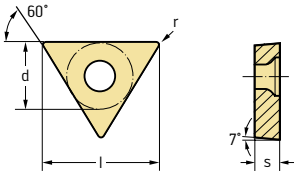
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	SCGT09T304-MN2	9,53	0,4	0,08–0,25	0,6–4,0	☺	☹	☺	☹
	SCGT09T308-MN2	9,53	0,8	0,10–0,35	0,7–4,0	☺	☹	☺	☹
	SCGT120408-MN2	12,7	0,8	0,10–0,40	0,8–6,0		☹	☺	

See the ISO 1832 designation key for dimensions

HW = Uncoated carbide
HC = Coated carbide

Positive triangular 60°
TCGT



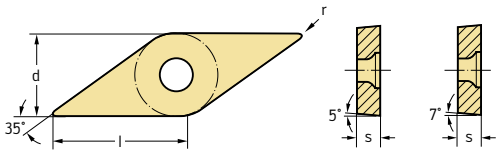
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	TCGT06T101-FN2	6,87	0,1	0,02–0,06	0,1–1,5		☹		
	TCGT06T102-FN2	6,87	0,2	0,05–0,12	0,2–2,0		☹		
	TCGT06T104-FN2	6,87	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT090202-FN2	9,62	0,2	0,05–0,12	0,2–2,0		☹		
	TCGT090204-FN2	9,62	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT110202-FN2	11	0,2	0,05–0,12	0,2–2,0		☹		
	TCGT110204-FN2	11	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT16T304-FN2	16,5	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT16T308-FN2	16,5	0,8	0,10–0,30	0,3–3,0		☹	☺	
	TCGT110201-MN2	11	0,1	0,02–0,06	0,5–1,5		☹		
	TCGT110202-MN2	11	0,2	0,05–0,12	0,6–2,0		☹	☺	
	TCGT110204-MN2	11	0,4	0,08–0,25	0,6–3,0	☺	☹	☺	☹
	TCGT16T302-MN2	16,5	0,2	0,05–0,12	0,5–2,0		☹	☺	
	TCGT16T304-MN2	16,5	0,4	0,08–0,25	0,6–4,0	☺	☹	☺	☹
	TCGT16T308-MN2	16,5	0,8	0,10–0,35	0,8–4,0	☺	☹	☺	☹

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Positive rhombic 35°
VCGT



Indexable inserts

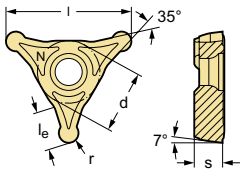
	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	VCGT110301-FN2	11,07	0,1	0,02–0,06	0,1–1,5		😐		
	VCGT110302-FN2	11,07	0,2	0,05–0,12	0,2–2,0		😐	☺	
	VCGT110304-FN2	11,07	0,4	0,08–0,25	0,2–2,5		😐	☺	
	VCGT160402-FN2	16,61	0,2	0,05–0,12	0,2–2,0		😐	☺	
	VCGT160404-FN2	16,61	0,4	0,08–0,25	0,2–2,5		😐	☺	
	VCGT160408-FN2	16,61	0,8	0,10–0,30	0,3–3,0		😐	☺	
	VCGT110301-MN2	11,07	0,1	0,02–0,06	0,5–1,5		😐	☺	
	VCGT110302-MN2	11,07	0,2	0,05–0,12	0,5–2,0		😐	☺	
	VCGT110304-MN2	11,07	0,4	0,08–0,25	0,6–2,5		😐	☺	
	VCGT110308-MN2	11,07	0,8	0,10–0,35	0,8–3,0		😐	☺	
	VCGT130301-MN2	13,1	0,1	0,02–0,06	0,5–1,5		😐		
	VCGT130302-MN2	13,1	0,2	0,05–0,12	0,5–2,0		😐	☺	
	VCGT130304-MN2	13,1	0,4	0,08–0,25	0,6–3,0		😐	☺	
	VCGT160404-MN2	16,61	0,4	0,08–0,25	0,6–3,5	☻	😐	☺	😐
	VCGT160408-MN2	16,61	0,8	0,10–0,35	0,8–3,5	☻	😐	☺	😐
	VCGT160412-MN2	16,61	1,2	0,10–0,45	1,0–3,5		😐	☺	

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Indexable inserts for copy turning system WL...-RC...

Tiger·tec® Gold



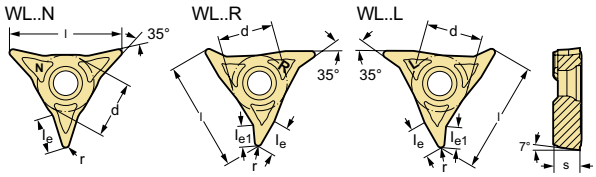
Indexable inserts

	Designation	r mm	l mm	l_e mm	f mm	a_p mm	P HC WPP20S	M HC WSM20S	M HC WSM30S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	25	7,2	0,12–0,40	0,5–2,0	☺	☺	☹	☺	☹
	WL25-RC0525N-MU6	2,5	25	6,9	0,12–0,45	0,5–2,5	☺	☺	☹	☺	☹

HC = Coated carbide

Indexable inserts for copy turning system WL...-VC...

Tiger·tec® Gold



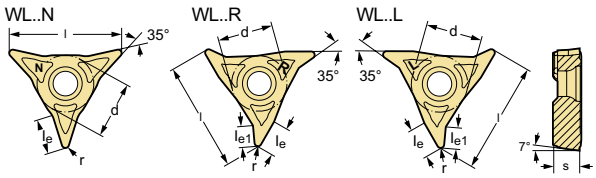
Indexable inserts

	Designation	r mm	l mm	l_e mm	l_{e1} mm	f mm	a_p mm	P HC WPP10S	P HC WPP20S	M HC WMP20S	M HC WSM10S	M HC WSM20S	S HC WSM10S	S HC WSM20S
	WL25-VC0704L-FM4	0,4	25	6,2	3,9	0,05–0,20	0,1–2,0				☺	☺	☺	☺
	WL25-VC0708L-FM4	0,8	25	6,6	4,6	0,08–0,25	0,2–2,0				☺	☺	☺	☺
	WL25-VC0704L-FP4	0,4	25	6,2	3,9	0,05–0,20	0,1–2,0	☺	☺					
	WL25-VC0708L-FP4	0,8	25	6,6	4,6	0,08–0,25	0,2–2,0	☺	☺					
	WL25-VC0704L-MM4	0,4	25	6,2	3,9	0,08–0,25	0,4–2,5			☺		☺		☺
	WL25-VC0708L-MM4	0,8	25	6,6	4,6	0,12–0,32	0,5–2,5			☺		☺		☺
	WL25-VC0704L-MP4	0,4	25	6,2	3,9	0,08–0,25	0,4–2,5	☺	☺					
	WL25-VC0708L-MP4	0,8	25	6,6	4,6	0,12–0,32	0,5–2,5	☺	☺					
	WL25-VC0702N-FM4	0,2	25	6		0,04–0,15	0,1–2,0				☺	☺	☺	☺
	WL25-VC0704N-FM4	0,4	25	6,3		0,05–0,20	0,1–2,0				☺	☺	☺	☺
	WL25-VC0708N-FM4	0,8	25	7,1		0,08–0,25	0,2–2,0				☺	☺	☺	☺
	WL25-VC0704N-FP4	0,4	25	6,3		0,05–0,20	0,1–2,0	☺	☺					
	WL25-VC0708N-FP4	0,8	25	7,1		0,08–0,25	0,2–2,0	☺	☺					

HC = Coated carbide

Indexable inserts for copy turning system WL...-VC...

Tiger·tec® Gold



Indexable inserts

	Designation	r mm	l mm	l_e mm	l_{e1} mm	f mm	a_p mm	P HC WPP10S	P HC WPP20S	M HC WMP20S	M HC WSM10S	M HC WSM20S	S HC WSM10S	S HC WSM20S
	WL25-VC0704N-MM4	0,4	25	6,3		0,08–0,25	0,4–2,5			★★★	★★★	★★★	★★★	★★★
	WL25-VC0708N-MM4	0,8	25	7,1		0,12–0,32	0,5–2,5			★★★	★★★	★★★	★★★	★★★
	WL25-VC0712N-MM4	1,2	25	7,4		0,12–0,35	0,5–2,5				★★★	★★★	★★★	★★★
	WL25-VC0716N-MM4	1,6	25	8,7		0,12–0,40	0,5–2,5				★★★	★★★	★★★	★★★
	WL25-VC0704N-MP4	0,4	25	6,3		0,08–0,25	0,4–2,5	★★	★★★					
	WL25-VC0708N-MP4	0,8	25	7,1		0,12–0,32	0,5–2,5	★★	★★★					
	WL25-VC0712N-MP4	1,2	25	7,4		0,12–0,35	0,5–2,5	★★	★★★					
	WL25-VC0716N-MP4	1,6	25	8,7		0,12–0,40	0,5–2,5	★★	★★★					
	WL25-VC0704R-FM4	0,4	25	6,2	3,9	0,05–0,20	0,1–2,0				★★	★★★	★★	★★★
	WL25-VC0708R-FM4	0,8	25	6,6	4,6	0,08–0,25	0,2–2,0				★★	★★★	★★	★★★
	WL25-VC0704R-FP4	0,4	25	6,2	3,9	0,05–0,20	0,1–2,0	★★	★★★					
	WL25-VC0708R-FP4	0,8	25	6,6	4,6	0,08–0,25	0,2–2,0	★★	★★★					
	WL25-VC0704R-MM4	0,4	25	6,2	3,9	0,08–0,25	0,4–2,5			★★★		★★★		★★★
	WL25-VC0708R-MM4	0,8	25	6,6	4,6	0,12–0,32	0,5–2,5			★★★		★★★		★★★
	WL25-VC0704R-MP4	0,4	25	6,2	3,9	0,08–0,25	0,4–2,5	★★	★★★					
	WL25-VC0708R-MP4	0,8	25	6,6	4,6	0,12–0,32	0,5–2,5	★★	★★★					

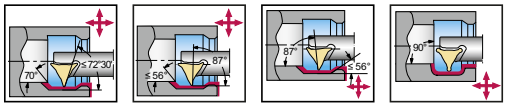
HC = Coated carbide

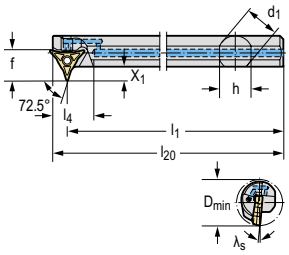
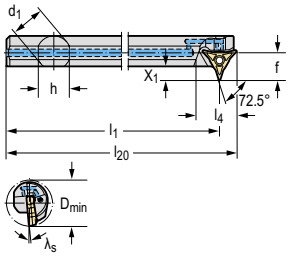
Boring bar – Copy turning system

W1210 mm

Walter Turn

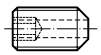
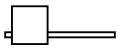
– Double internal coolant supply
– Additional coolant hole for blind hole machining



Tool	Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	l_4 mm	l_{20} mm	X_1 mm	γ	$λ_s$	Type
Parallel shank with clamping surface 	★ W1210-25TR-WL25	25	34	25	20	23	300	30	310	10	-1,5°	-4,8°	WL25..
	★ W1210-32TR-WL25	25	44	32	27	30	300	31	310	13,5	-1,5°	-4,8°	
	★ W1210-40TR-WL25	25	52	40	31	37	300	35	310	13,5	-1,5°	-4,8°	
Parallel shank with clamping surface 	★ W1210-25TL-WL25	25	34	25	20	23	300	30	310	10	-1,5°	-4,8°	WL25..
	★ W1210-32TL-WL25	25	44	32	27	30	300	31	310	13,5	-1,5°	-4,8°	
	★ W1210-40TL-WL25	25	52	40	31	37	300	35	310	13,5	-1,5°	-4,8°	

The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm
	Threaded plug	FS2082 (T6IP)
	Torx key	FS1464 (T20IP)

Accessories

	Type D_{min} [mm]	WL25.. 34	WL25.. 44	WL25.. 52
	Coolant sealing adapter	CN3000-25-8.5	CN3000-32-8.5	CN3000-40-11.5

Indexable inserts

	Designation	r mm	l_e mm	f mm	a_p mm	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	7,2	0,12–0,40	0,5–2,0				●	●	✖			●	✖	✖			●	✖
	WL25-RC0525N-MU6	2,5	6,9	0,12–0,45	0,5–2,5			●	●	●	✖			●	✖	✖			●	✖
	WL25-VC0702N-FM4	0,2	6	0,04–0,15	0,1–2,0								☻	●				☻	●	
	WL25-VC0704N-FM4	0,4	6,3	0,05–0,20	0,1–2,0								☻	●				☻	●	
	WL25-VC0704N-FP4	0,4	6,3	0,05–0,20	0,1–2,0		☻	●	●											
	WL25-VC0704N-MM4	0,4	6,3	0,08–0,25	0,4–2,5							●	☻	●			●	☻	●	
	WL25-VC0704N-MP4	0,4	6,3	0,08–0,25	0,4–2,5		☻	●	●											
	WL25-VC0708N-FM4	0,8	7,1	0,08–0,25	0,2–2,0								☻	●				☻	●	
	WL25-VC0708N-FP4	0,8	7,1	0,08–0,25	0,2–2,0	☻	☻	●	●											
	WL25-VC0708N-MM4	0,8	7,1	0,12–0,32	0,5–2,5							●	☻	●			●	☻	●	
	WL25-VC0708N-MP4	0,8	7,1	0,12–0,32	0,5–2,5	☻	☻	●	●											
	WL25-VC0712N-MM4	1,2	7,4	0,12–0,35	0,5–2,5								☻	●				☻	●	
	WL25-VC0712N-MP4	1,2	7,4	0,12–0,35	0,5–2,5		☻	●	●											
	WL25-VC0716N-MM4	1,6	8,7	0,12–0,40	0,5–2,5								☻	●				☻	●	
	WL25-VC0716N-MP4	1,6	8,7	0,12–0,40	0,5–2,5	☻	☻		●											
	WL25-VC0704L-FM4	0,4	6,2	0,05–0,20	0,1–2,0								☻	●				☻	●	
	WL25-VC0704L-FP4	0,4	6,2	0,05–0,20	0,1–2,0		☻	●	●											
	WL25-VC0704L-MM4	0,4	6,2	0,08–0,25	0,4–2,5							●		●			●		●	
	WL25-VC0704L-MP4	0,4	6,2	0,08–0,25	0,4–2,5	☻	☻	●	●											
	WL25-VC0708L-FM4	0,8	6,6	0,08–0,25	0,2–2,0								☻	●				☻	●	
	WL25-VC0708L-FP4	0,8	6,6	0,08–0,25	0,2–2,0		☻	●	●											
	WL25-VC0708L-MM4	0,8	6,6	0,12–0,32	0,5–2,5							●		●			●		●	
	WL25-VC0708L-MP4	0,8	6,6	0,12–0,32	0,5–2,5	☻	☻	●	●											
	WL25-VC0704R-FM4	0,4	6,2	0,05–0,20	0,1–2,0								☻	●				☻	●	
	WL25-VC0704R-FP4	0,4	6,2	0,05–0,20	0,1–2,0	☻	☻	●	●											
	WL25-VC0704R-MM4	0,4	6,2	0,08–0,25	0,4–2,5							●		●			●		●	
	WL25-VC0704R-MP4	0,4	6,2	0,08–0,25	0,4–2,5	☻	☻		●											
	WL25-VC0708R-FM4	0,8	6,6	0,08–0,25	0,2–2,0								☻	●				☻	●	
	WL25-VC0708R-FP4	0,8	6,6	0,08–0,25	0,2–2,0		☻	●	●											
	WL25-VC0708R-MM4	0,8	6,6	0,12–0,32	0,5–2,5							●		●			●		●	
	WL25-VC0708R-MP4	0,8	6,6	0,12–0,32	0,5–2,5	☻	☻	●	●											

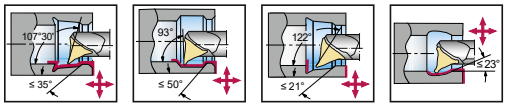
HC = Coated carbide

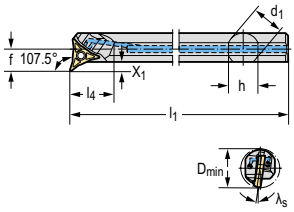
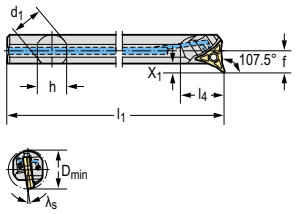
Boring bar – Copy turning system

W1211 mm

Walter Turn

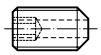
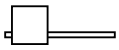
– Double internal coolant supply
– Additional coolant hole for blind hole machining



Tool	Designation		D_{min} mm	d_1 mm	f mm	h mm	l_1 mm	l_4 mm	X_1 mm	γ	$λ_s$	Type
Parallel shank with clamping surface	★ W1211-25TR-WL25	25	32	25	17	23	300	35	7	-1,3°	-7,5°	WL25..
	★ W1211-32TR-WL25	25	40	32	23	30	300	45	9,5	-1,3°	-7,5°	
	★ W1211-40TR-WL25	25	50	40	27,5	37	300	54	10	-1,3°	-7,5°	
Parallel shank with clamping surface	★ W1211-25TL-WL25	25	32	25	17	23	300	35	7	-1,3°	-7,5°	WL25..
	★ W1211-32TL-WL25	25	40	32	23	30	300	45	9,5	-1,3°	-7,5°	
	★ W1211-40TL-WL25	25	50	40	27,5	37	300	54	10	-1,3°	-7,5°	

The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	Type	WL25..
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm
	Threaded plug	FS2082 (T6IP)
	Torx key	FS1464 (T20IP)

Accessories

	Type D_{min} [mm]	WL25.. 32	WL25.. 40	WL25.. 50
	Coolant sealing adapter	CN3000-25-8.5	CN3000-32-8.5	CN3000-40-11.5

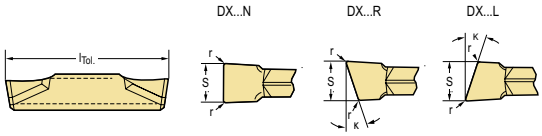
Indexable inserts

	Designation	r mm	l_e mm	f mm	a_p mm	P HC WPP10G	P HC WPP10S	P HC WPP20G	P HC WPP20S	P HC WSM20S	P HC WSM30S	M HC WMP20S	M HC WSM10S	M HC WSM20S	M HC WSM30S	K HC WPP20S	S HC WMP20S	S HC WSM10S	S HC WSM20S	S HC WSM30S
	WL25-RC0420N-MU6	2	7,2	0,12–0,40	0,5–2,0				●	●	✖			●	✖	✖			●	✖
	WL25-RC0525N-MU6	2,5	6,9	0,12–0,45	0,5–2,5			●	●	●	✖			●	✖	✖			●	✖
	WL25-VC0702N-FM4	0,2	6	0,04–0,15	0,1–2,0								☹	☹				☹	☹	
	WL25-VC0704N-FM4	0,4	6,3	0,05–0,20	0,1–2,0								☺	●				☺	●	
	WL25-VC0704N-FP4	0,4	6,3	0,05–0,20	0,1–2,0		☺	●	●											
	WL25-VC0704N-MM4	0,4	6,3	0,08–0,25	0,4–2,5							●	☺	●			●	☺	●	
	WL25-VC0704N-MP4	0,4	6,3	0,08–0,25	0,4–2,5		☺	●	●											
	WL25-VC0708N-FM4	0,8	7,1	0,08–0,25	0,2–2,0								☺	●				☺	●	
	WL25-VC0708N-FP4	0,8	7,1	0,08–0,25	0,2–2,0	☺	☺	●	●											
	WL25-VC0708N-MM4	0,8	7,1	0,12–0,32	0,5–2,5							●	☺	●			●	☺	●	
	WL25-VC0708N-MP4	0,8	7,1	0,12–0,32	0,5–2,5	☺	☺	●	●											
	WL25-VC0712N-MM4	1,2	7,4	0,12–0,35	0,5–2,5								☺	●				☺	●	
	WL25-VC0712N-MP4	1,2	7,4	0,12–0,35	0,5–2,5		☺	●	●											
	WL25-VC0716N-MM4	1,6	8,7	0,12–0,40	0,5–2,5								☺	●				☺	●	
	WL25-VC0716N-MP4	1,6	8,7	0,12–0,40	0,5–2,5	☺	☺		●											
	WL25-VC0704L-FM4	0,4	6,2	0,05–0,20	0,1–2,0								☺	●				☺	●	
	WL25-VC0704L-FP4	0,4	6,2	0,05–0,20	0,1–2,0		☺	●	●											
	WL25-VC0704L-MM4	0,4	6,2	0,08–0,25	0,4–2,5							●		●			●		●	
	WL25-VC0704L-MP4	0,4	6,2	0,08–0,25	0,4–2,5	☺	☺	●	●											
	WL25-VC0708L-FM4	0,8	6,6	0,08–0,25	0,2–2,0								☺	●				☺	●	
	WL25-VC0708L-FP4	0,8	6,6	0,08–0,25	0,2–2,0		☺	●	●											
	WL25-VC0708L-MM4	0,8	6,6	0,12–0,32	0,5–2,5							●		●			●		●	
	WL25-VC0708L-MP4	0,8	6,6	0,12–0,32	0,5–2,5	☺	☺	●	●											
	WL25-VC0704R-FM4	0,4	6,2	0,05–0,20	0,1–2,0								☺	●				☺	●	
	WL25-VC0704R-FP4	0,4	6,2	0,05–0,20	0,1–2,0	☺	☺	●	●											
	WL25-VC0704R-MM4	0,4	6,2	0,08–0,25	0,4–2,5							●		●			●		●	
	WL25-VC0704R-MP4	0,4	6,2	0,08–0,25	0,4–2,5	☺	☺		●											
	WL25-VC0708R-FM4	0,8	6,6	0,08–0,25	0,2–2,0								☺	●				☺	●	
	WL25-VC0708R-FP4	0,8	6,6	0,08–0,25	0,2–2,0		☺	●	●											
	WL25-VC0708R-MM4	0,8	6,6	0,12–0,32	0,5–2,5							●		●			●		●	
	WL25-VC0708R-MP4	0,8	6,6	0,12–0,32	0,5–2,5	☺	☺	●	●											

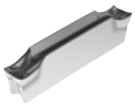
HC = Coated carbide

A2

Grooving and parting off – Cutting inserts
DX
Tiger·tec® Silver



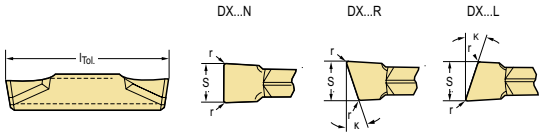
Cutting inserts

	Designation	s mm	r mm	l mm	f mm	s_{Tol} mm	l_{Tol} mm	P HC WKP23S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	N HF WN13	S HC WSM23S	S HC WSM33S	S HC WSM43S	S HF WN13
	DX18-1E120N01-CE4	1,2	0,15	18	0,04–0,13	±0,05	±0,15			☹			☹				☹		
	DX18-1E150N01-CE4	1,5	0,15	18	0,03–0,12	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-2E200N02-CE4	2	0,2	18	0,06–0,17	±0,05	±0,15	☻	☻	☺	☠	☻	☺	☠		☻	☺	☠	
	DX18-2E250N02-CE4	2,5	0,2	18	0,07–0,21	±0,05	±0,15	☻		☺	☠		☺	☠			☺	☠	
	DX18-3E300N02-CE4	3	0,2	18	0,09–0,33	±0,05	±0,15	☻	☻	☺	☠	☻	☺	☠		☻	☺	☠	
	DX18-1E100N01-CF5	1	0,1	18	0,03–0,10	±0,05	±0,15			☹			☹				☹		
	DX18-1E150N01-CF5	1,5	0,15	18	0,03–0,12	±0,05	±0,15		☻	☺	☠	☻	☺	☠		☻	☺	☠	
	DX18-2E200N00-CF5	2	0	18	0,03–0,12	±0,05	±0,15			☺			☺				☺		
	DX18-2E200N02-CF5	2	0,2	18	0,04–0,14	±0,05	±0,15		☻	☺	☠	☻	☺	☠		☻	☺	☠	
	DX18-2E250N02-CF5	2,5	0,2	18	0,05–0,18	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-3E300N02-CF5	3	0,2	18	0,08–0,23	±0,05	±0,15		☻	☺	☠	☻	☺	☠		☻	☺	☠	
	DX18-1E100N01-CF6	1	0,1	18	0,03–0,08	±0,05	±0,15			☹			☹				☹		
	DX18-1E150N01-CF6	1,5	0,15	18	0,03–0,12	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-2E200N02-CF6	2	0,2	18	0,03–0,14	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-2E250N02-CF6	2,5	0,2	18	0,03–0,18	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-3E300N02-CF6	3	0,2	18	0,04–0,23	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-2E200N02-GD3	2	0,2	18	0,04–0,15	±0,05	±0,15	☻		☺			☺				☺		
	DX18-2E250N02-GD3	2,5	0,2	18	0,04–0,17	±0,05	±0,15	☻		☺			☺				☺		
	DX18-3E300N03-GD3	3	0,3	18	0,06–0,21	±0,05	±0,15	☻		☺			☺				☺		
	DX18-4E400N04-GD3	4	0,4	18,5	0,10–0,23	±0,05	±0,15	☻		☺			☺				☺		
	DX18-2E200N02-GD6	2	0,2	18	0,04–0,14	±0,05	±0,15		☻	☺		☻	☺			☻	☺		
	DX18-2E250N02-GD6	2,5	0,2	18	0,06–0,20	±0,05	±0,15		☻	☺		☻	☺			☻	☺		
	DX18-3E300N03-GD6	3	0,3	18	0,08–0,21	±0,05	±0,15		☻	☺		☻	☺			☻	☺		
	DX18-4E400N04-GD6	4	0,4	18,5	0,10–0,25	±0,05	±0,15		☻	☺		☻	☺			☻	☺		
	DX18-2E200L6-CE4	2	0,2	18	0,04–0,12	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-2E250L6-CE4	2,5	0,2	18	0,05–0,15	±0,05	±0,15			☺			☺				☺		
	DX18-3E300L6-CE4	3	0,2	18	0,09–0,27	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-1E150L10-CF5	1,5	0	18	0,03–0,06	±0,05	±0,15			☺			☺				☺		
	DX18-2E200L6-CF5	2	0,2	18	0,03–0,12	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-2E200L7-CF5	2	0	18	0,03–0,12	±0,05	±0,15		☻	☺		☻	☺			☻	☺		
	DX18-2E200L15-CF5	2	0	18	0,03–0,12	±0,05	±0,15			☺			☺				☺		
	DX18-2E250L6-CF5	2,5	0,2	18	0,03–0,15	±0,05	±0,15			☺			☺				☺		
	DX18-3E300L6-CF5	3	0,2	18	0,04–0,19	±0,05	±0,15			☺			☺				☺		
	DX18-3E300L7-CF5	3	0	18,8	0,04–0,16	±0,05	±0,15			☺			☺				☺		
	DX18-3E300L15-CF5	3	0	18,8	0,04–0,16	±0,05	±0,15			☺			☺				☺		
	DX18-1E150L10-CF6	1,5	0	18	0,03–0,10	±0,05	±0,15			☺			☺				☺		
	DX18-2E200L6-CF6	2	0,2	18	0,03–0,12	±0,05	±0,15			☺	☠		☺	☠			☺	☠	
	DX18-2E200L15-CF6	2	0	18,3	0,03–0,13	±0,05	±0,15			☺			☺				☺		
	DX18-2E250L6-CF6	2,5	0,2	18	0,03–0,15	±0,05	±0,15			☺			☺				☺		
	DX18-3E300L6-CF6	3	0,2	18	0,04–0,19	±0,05	±0,15			☺			☺				☺		
	DX18-2E200L7-CK8	2	0	18	0,04–0,10	±0,05	±0,15								☹				☹
	DX18-1E150N01-CK8	1,5	0,15	18	0,04–0,10	±0,05	±0,15								☹				☹
	DX18-2E200N02-CK8	2	0,2	18	0,04–0,12	±0,05	±0,15								☹				☹

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

HC = Coated carbide
HF = Uncoated fine-grained carbide

Grooving and parting off – Cutting inserts
DX
Tiger·tec® Silver



A2

Cutting inserts

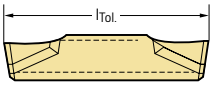
	Designation	s mm	r mm	l mm	f mm	S_{Tol} mm	l_{Tol} mm	P HC WKP23S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	N HF WN13	S HC WSM23S	S HC WSM33S	S HC WSM43S	S HF WN13
	DX18-2E200R6-CE4	2	0,2	18	0,04–0,12	±0,05	±0,15			☺	☹		☺	☹			☺	☹	
	DX18-2E250R6-CE4	2,5	0,2	18	0,05–0,15	±0,05	±0,15			☺			☺				☺		
	DX18-3E300R6-CE4	3	0,2	18	0,09–0,27	±0,05	±0,15			☺	☹		☺	☹			☺	☹	
	DX18-1E150R10-CF5	1,5	0	18	0,03–0,06	±0,05	±0,15			☺			☺				☺		
	DX18-2E200R6-CF5	2	0,2	18	0,03–0,12	±0,05	±0,15			☺	☹		☺	☹			☺	☹	
	DX18-2E200R7-CF5	2	0	18	0,03–0,12	±0,05	±0,15		☻	☺		☻	☺			☻	☺		
	DX18-2E200R15-CF5	2	0	18	0,03–0,12	±0,05	±0,15			☺			☺				☺		
	DX18-2E250R6-CF5	2,5	0,2	18	0,03–0,15	±0,05	±0,15			☺			☺				☺		
	DX18-3E300R6-CF5	3	0,2	18	0,04–0,19	±0,05	±0,15			☺			☺				☺		
	DX18-3E300R7-CF5	3	0	18,8	0,04–0,16	±0,05	±0,15			☺			☺				☺		
	DX18-3E300R15-CF5	3	0	18,8	0,04–0,16	±0,05	±0,15			☺			☺				☺		
	DX18-1E150R10-CF6	1,5	0	18	0,03–0,10	±0,05	±0,15			☺			☺				☺		
	DX18-2E200R6-CF6	2	0,2	18	0,03–0,12	±0,05	±0,15			☺	☹		☺	☹			☺	☹	
	DX18-2E200R15-CF6	2	0	18,3	0,03–0,13	±0,05	±0,15			☺			☺				☺		
	DX18-2E250R6-CF6	2,5	0,2	18	0,03–0,15	±0,05	±0,15			☺			☺				☺		
	DX18-3E300R6-CF6	3	0,2	18	0,04–0,19	±0,05	±0,15			☺			☺				☺		
	DX18-2E200R7-CK8	2	0	18	0,04–0,10	±0,05	±0,15								☻				☻
	DX18-3F300N02-CE4	3	0,2	18	0,09–0,33	±0,05	±0,15			☺			☺				☺		
	DX18-3F300N02-CF5	3	0,2	18	0,08–0,23	±0,05	±0,15			☺			☺				☺		

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

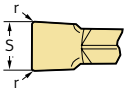
HC = Coated carbide
HF = Uncoated fine-grained carbide

A2

Grooving and groove turning – Cutting inserts
DX
Tiger·tec® Silver



DX...N



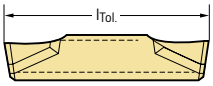
Cutting inserts

	Designation	s mm	r mm	l mm	f mm	a_p mm	S_{Tol} mm	l_{Tol} mm	P HC WKP23S	P HC WSM23S	P HC WSM33S	P HC WSM43S	M HC WSM23S	M HC WSM33S	M HC WSM43S	K HC WKP13S	K HC WKP23S	K HC WKP33S	S HC WSM23S	S HC WSM33S	S HC WSM43S
	DX18-2E200N02-UF7	2	0,2	18	0,05–0,22	0,3–1,2	±0,05	±0,15		☺	☺		☺	☺					☺	☺	
	DX18-3E300N02-UF7	3	0,2	18	0,07–0,24	0,4–1,5	±0,05	±0,15		☺	☺		☺	☺					☺	☺	
	DX18-4E400N02-UF7	4	0,2	18	0,09–0,30	0,3–2,2	±0,05	±0,15		☺			☺						☺		
	DX18-1E160N01-UF8	1,6	0,1	18	0,05–0,17	0,3–1,0	±0,02	±0,15		☺			☺						☺		
	DX18-1E170N01-UF8	1,7	0,1	18	0,05–0,17	0,3–1,0	±0,02	±0,15		☺			☺						☺		
	DX18-1E185N01-UF8	1,85	0,1	18	0,05–0,22	0,3–1,0	±0,02	±0,15		☺			☺						☺		
	DX18-1E196N01-UF8	1,96	0,1	18	0,05–0,22	0,3–1,2	±0,02	±0,15		☺			☺						☺		
	DX18-2E225N01-UF8	2,25	0,1	18	0,05–0,22	0,3–1,3	±0,02	±0,15		☺			☺						☺		
	DX18-2E275N01-UF8	2,75	0,1	18	0,06–0,22	0,3–1,3	±0,02	±0,15		☺			☺						☺		
	DX18-3E318N02-UF8	3,18	0,2	18	0,07–0,24	0,4–1,5	±0,02	±0,15		☺			☺						☺		
	DX18-3E325N01-UF8	3,25	0,1	18	0,07–0,24	0,4–1,6	±0,02	±0,15		☺			☺						☺		
	DX18-4E400N04-UF8	4	0,4	18	0,09–0,30	0,5–2,2	±0,02	±0,15		☺			☺						☺		
	DX18-4E425N02-UF8	4,25	0,2	18	0,09–0,30	0,5–2,2	±0,02	±0,15		☺			☺						☺		
	DX18-2E200N02-UA4	2	0,2	18	0,08–0,18	0,3–1,2	±0,05	±0,15								☺					
	DX18-3E300N03-UA4	3	0,3	18	0,10–0,25	0,4–2,0	±0,05	±0,15								☺		☹			
	DX18-4E400N04-UA4	4	0,4	18,5	0,10–0,38	0,5–2,8	±0,05	±0,15								☺		☹			
	DX18-4E400N08-UA4	4	0,8	18,5	0,10–0,38	0,9–2,8	±0,05	±0,15								☺		☹			
	DX18-2E200N02-UD4	2	0,2	18	0,10–0,18	0,3–1,2	±0,05	±0,15	😐		😐			😐						😐	
	DX18-3E300N03-UD4	3	0,3	18	0,10–0,23	0,4–2,0	±0,05	±0,15	😐		😐			😐						😐	
	DX18-4E400N04-UD4	4	0,4	18,5	0,10–0,33	0,5–2,8	±0,05	±0,15	😐		😐			😐						😐	
	DX18-4E400N08-UD4	4	0,8	18,5	0,10–0,33	0,9–2,8	±0,05	±0,15	😐		😐			😐						😐	
	DX18-2E200N02-UF4	2	0,2	18	0,10–0,18	0,3–1,2	±0,05	±0,15	☺	☺	😐	☹	☺	😐	☹		☺		☺	😐	☹
	DX18-2E250N02-UF4	2,5	0,2	18	0,10–0,21	0,3–1,3	±0,05	±0,15	☺	☺	😐		☺	😐			☺		☺	😐	
	DX18-3E300N03-UF4	3	0,3	18	0,10–0,23	0,4–2,0	±0,05	±0,15	☺	☺	😐	☹	☺	😐	☹		☺		☺	😐	☹
	DX18-4E400N02-UF4	4	0,2	18,5	0,10–0,33	0,3–2,8	±0,05	±0,15			😐			😐						😐	
	DX18-4E400N04-UF4	4	0,4	18,5	0,10–0,33	0,5–2,8	±0,05	±0,15	☺		😐	☹		😐	☹		☺			😐	☹
	DX18-4E400N08-UF4	4	0,8	18,5	0,10–0,33	0,9–2,8	±0,05	±0,15	☺		😐			😐			☺			😐	

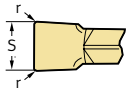
l_{Tol} = Repeat accuracy when changing indexable inserts within the same indexable insert batch
Radius tolerance r_{Tol} = ±0.05 mm

HC = Coated carbide

Grooving and groove turning – Cutting inserts
DX
Tiger·tec® Silver



DX...N



A2

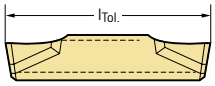
Cutting inserts

	Designation	s mm	r mm	l mm	f mm	a_p mm	S_{Tol} mm	l_{Tol} mm	P HC				M HC			K HC			S HC		
									WKP23S	WSM23S	WSM33S	WSM43S	WSM23S	WSM33S	WSM43S	WKP13S	WKP23S	WKP33S	WSM23S	WSM33S	WSM43S
	DX18-4F400N04-UF4	4	0,4	18,5	0,10–0,33	0,5–2,8	±0,05	±0,15			☺			☺						☺	

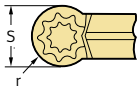
l_{Tol} = Repeat accuracy when changing indexable inserts within the same indexable insert batch
Radius tolerance r_{Tol} = ±0.05 mm

HC = Coated carbide

Grooving and copy turning – Cutting inserts
DX
Tiger·tec® Silver



DX...N



Cutting inserts

	Designation	s mm	r mm	l mm	f mm	a_p mm	S_{Tol} mm	l_{Tol} mm	P HC				M HC			K HC	S HC		
									WKP23S	WSM13S	WSM23S	WSM33S	WSM13S	WSM23S	WSM33S	WKP23S	WSM13S	WSM23S	WSM33S
	DX18-2E200N10-RD4	2	1	18,3	0,08–0,28	0,2–1,0	±0,05	±0,15	☺			☺			☺	☺			☺
	DX18-3E300N15-RD4	3	1,5	18,3	0,10–0,38	0,5–1,5	±0,05	±0,15			☺	☺		☺	☺			☺	☺
	DX18-2E200N10-RF7	2	1	18,3	0,08–0,26	0,1–1,0	±0,05	±0,15		☺	☺		☺	☺			☺	☺	
	DX18-3E300N15-RF7	3	1,5	18,3	0,10–0,33	0,1–1,5	±0,05	±0,15		☺	☺		☺	☺			☺	☺	
	DX18-4E400N20-RF7	4	2	18,5	0,12–0,48	0,1–2,0	±0,05	±0,15			☺			☺				☺	

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

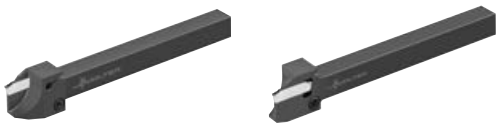
HC = Coated carbide

A2

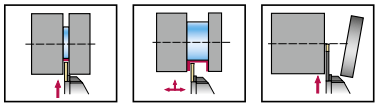
Shank tool – Radial grooving

G4014 mm

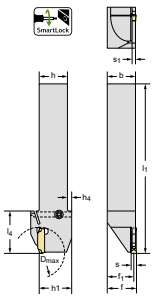
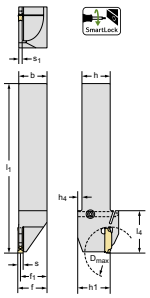
Walter Cut



– Side screw clamping

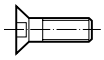
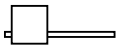


Tool

	Designation	s mm	D_{max} mm	b mm	h = h_1 mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
Square shank	★ G4014-1010R-1T12DX18	1	25	10	10	9,6	110	4	23	0,8	DX18-1E1 ..
	★ G4014-1212R-1T12DX18		25	12	12	11,6	110	3	22,3	0,8	
	G4014-1010R-1.5T10DX18	1,5	20	10	10	9,4	110	4	22	1,2	DX18-1E1.5 ..
	G4014-1212R-1.5T12DX18		25	12	12	11,4	110	3	22,3	1,2	
	G4014-1616R-1.5T12DX18		25	16	16	15,4	120	4	24	1,2	
	G4014-1010R-2T10DX18	2	20	10	10	9,2	110	4	22	1,6	DX18-2E2 ..
	G4014-1212R-2T12DX18		25	12	12	11,2	110	3	22,3	1,6	
	G4014-1616R-2T12DX18		25	16	16	15,2	120	4	24	1,6	
	★ G4014-1616R-2T17DX18		35	16	16	15,2	120	4	30	1,6	
	★ G4014-2020R-2T17DX18		35	20	20	19,2	120	3	30	1,6	
	G4014-1212R-3T12DX18	3	25	12	12	10,8	110	3	22,3	2,4	DX18-3E3 .. DX18-3F3 ..
	G4014-1616R-3T17DX18		35	16	16	14,8	120	4	30	2,4	
	G4014-2020R-3T17DX18		35	20	20	18,8	120	3	30	2,4	
Square shank	★ G4014-1010L-1T12DX18	1	25	10	10	9,6	110	4	23	0,8	DX18-1E1 ..
	G4014-1010L-1.5T10DX18	1,5	20	10	10	9,4	110	4	22	1,2	DX18-1E1.5 ..
	G4014-1212L-1.5T12DX18		25	12	12	11,4	110	3	22,3	1,2	
	G4014-1616L-1.5T12DX18		25	16	16	15,4	120	4	24	1,2	
	G4014-1010L-2T10DX18	2	20	10	10	9,2	110	4	22	1,6	DX18-2E2 ..
	G4014-1212L-2T12DX18		25	12	12	11,2	110	3	22,3	1,6	
	G4014-1616L-2T12DX18		25	16	16	15,2	120	4	24	1,6	
	★ G4014-1616L-2T17DX18		35	16	16	15,2	120	4	30	1,6	
	★ G4014-2020L-2T17DX18		35	20	20	19,2	120	3	30	1,6	
	G4014-1212L-3T12DX18	3	25	12	12	10,8	110	3	22,3	2,4	DX18-3E3 .. DX18-3F3 ..
	G4014-1616L-3T17DX18		35	16	16	14,8	120	4	30	2,4	
	G4014-2020L-3T17DX18		35	20	20	18,8	120	3	30	2,4	

$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h_1 [mm]	10–12	16–20
	Clamping screw for grooving insert	FS2586 (T15IP) 2 Nm	FS2585 (T15IP) 3 Nm
	Blanking plug	FS2589	FS2589
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

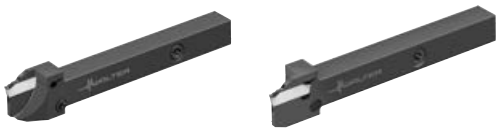
	h = h_1 [mm]	10–20
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)

A2

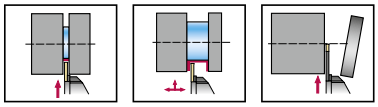
Shank tool – Radial grooving

G4014...-P mm

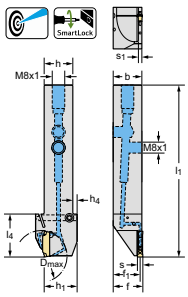
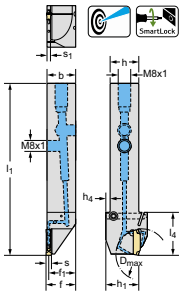
Walter Cut



– Side screw clamping
– Precision cooling

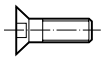
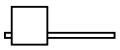


Tool

	Designation	s mm	D_{max} mm	b mm	h = h_1 mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
Square shank 	G4014-1212R-2T12DX18-P	2	25	12	12	11,2	110	3	22,3	1,6	DX18-2E2 ..
	G4014-1212R-2.5T12DX18-P	2,5	25	12	12	11	110	3	22,3	2,1	DX18-2E2.5 ..
	G4014-1212R-3T12DX18-P	3	25	12	12	10,8	110	3	22,3	2,4	DX18-3E3 .. DX18-3F3 ..
Square shank 	G4014-1212L-2T12DX18-P	2	25	12	12	11,2	110	3	22,3	1,6	DX18-2E2 ..
	G4014-1212L-2.5T12DX18-P	2,5	25	12	12	11	110	3	22,3	2,1	DX18-2E2.5 ..
	G4014-1212L-3T12DX18-P	3	25	12	12	10,8	110	3	22,3	2,4	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h_1 [mm]	12
	Clamping screw for grooving insert	FS2586 (T15IP) 2 Nm
	Blanking plug	FS2589
	M8x1 threaded plug	FS2587 (SW 4)
	Torx key	FS1465 (T15IP)

Accessories

	h = h_1 [mm]	12
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)

Accessories

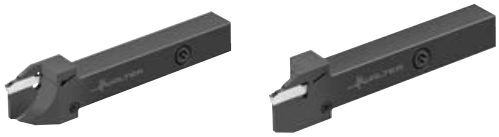
	$h = h_1$ [mm]	12
	M8x1 angle connection	FS2596
	M8x1 connection element	FS2597
	Copper gasket	FS2598

A2

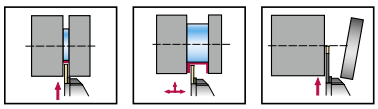
Shank tool – Radial grooving

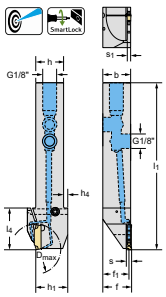
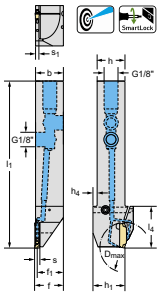
G4014...-P mm

Walter Cut



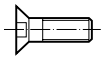
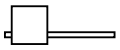
– Side screw clamping
– Precision cooling



Tool	Designation	s mm	D_{max} mm	b mm	h = h_1 mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
Square shank 	G4014-1616R-2T12DX18-P	2	25	16	16	15,2	120	4	24	1,6	DX18-2E2 ..
	G4014-1616R-2T17DX18-P		35	16	16	15,2	120	4	30	1,6	
	G4014-1616R-2.5T17DX18-P	2,5	35	16	16	15	120	4	30	2,1	DX18-2E2.5 ..
	G4014-1616R-3T17DX18-P	3	35	16	16	14,8	120	4	30	2,4	DX18-3E3 .. DX18-3F3 ..
Square shank 	G4014-1616L-2T12DX18-P	2	25	16	16	15,2	120	4	24	1,6	DX18-2E2 ..
	G4014-1616L-2T17DX18-P		35	16	16	15,2	120	4	30	1,6	
	G4014-1616L-2.5T17DX18-P	2,5	35	16	16	15	120	4	30	2,1	DX18-2E2.5 ..
	G4014-1616L-3T17DX18-P	3	35	16	16	14,8	120	4	30	2,4	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$
For the connection set for coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h_1 [mm]	16
	Clamping screw for grooving insert	FS2585 (T15IP) 3 Nm
	Blanking plug	FS2589
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1465 (T15IP)

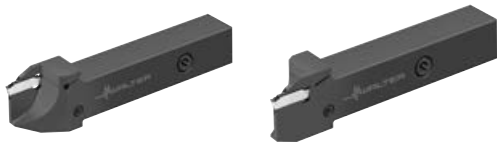
Accessories

	h = h_1 [mm]	16
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)

Shank tool – Radial grooving

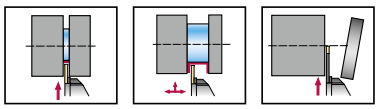
G4014...-P mm

Walter Cut



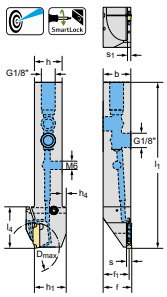
A2

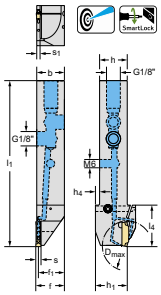
– Side screw clamping
– Precision cooling



Tool

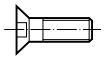
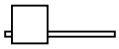
	Designation	s mm	D_{max} mm	b mm	h = h_1 mm	f_1 mm	l_1 mm	h_4 mm	l_4 mm	s_1 mm	Type
Square shank	G4014-2020R-2T17DX18-P	2	35	20	20	19,2	120	3	30	1,6	DX18-2E2 ..
	G4014-2020R-3T17DX18-P	3	35	20	20	18,8	120	3	30	2,4	DX18-3E3 .. DX18-3F3 ..
Square shank	G4014-2020L-2T17DX18-P	2	35	20	20	19,2	120	3	30	1,6	DX18-2E2 ..
	G4014-2020L-3T17DX18-P	3	35	20	20	18,8	120	3	30	2,4	DX18-3E3 .. DX18-3F3 ..





$f = f_1 + s/2$
For the connection set for coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h_1 [mm]	20
	Clamping screw for grooving insert	FS2585 (T15IP) 3 Nm
	Blanking plug	FS2589
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1465 (T15IP)

Accessories

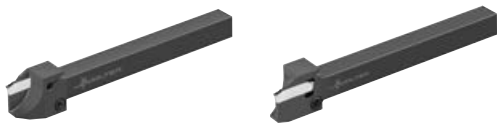
	h = h_1 [mm]	20
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)

A2

Shank tool – Radial grooving

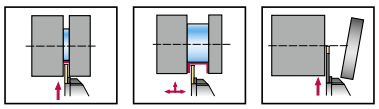
G4014 inch

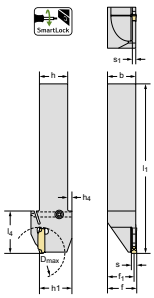
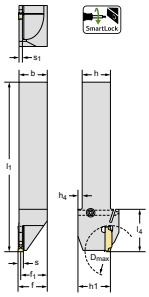
Walter Cut



A2

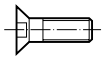
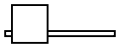
– Side screw clamping



Tool	Designation	s inch	D_{max} inch	b inch	h = h_1 inch	f_1 inch	l_1 inch	h_4 inch	l_4 inch	s_1 inch	Type
Square shank 	G4014.08R-1.5T12DX18	0,059	0,984	0,500	0,500	0,476	4,331	0,091	0,878	0,047	DX18-1E1.5 ..
Square shank 	G4014.08L-1.5T12DX18	0,059	0,984	0,500	0,500	0,476	4,331	0,091	0,878	0,047	DX18-1E1.5 ..
	★ G4014.10L-3T17DX18	0,118	1,378	0,625	0,625	0,579	4,724	0,161	1,181	0,094	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h_1 [mm]	0,5	0,62
	Clamping screw for grooving insert	FS2586 (T15IP) 2 Nm	FS2585 (T15IP) 3 Nm
	Blanking plug	FS2589	FS2589
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

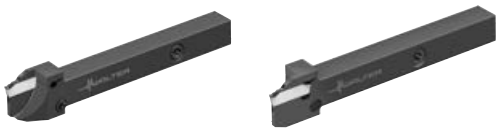
	h = h_1 [mm]	0,5–0,62
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)

A2

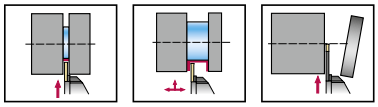
Shank tool – Radial grooving

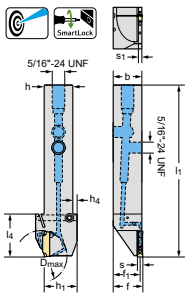
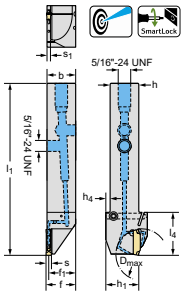
G4014...-P inch

Walter Cut



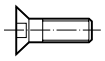
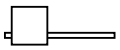
– Side screw clamping
– Precision cooling



Tool	Designation	s inch	D_{max} inch	b inch	h = h_1 inch	f_1 inch	l_1 inch	h_4 inch	l_4 inch	s_1 inch	Type
Square shank 	G4014.08R-2T12DX18-P	0,079	0,984	0,500	0,500	0,469	4,331	0,091	0,878	0,063	DX18-2E2 ..
	G4014.08R-3T12DX18-P	0,118	0,984	0,500	0,500	0,453	4,331	0,091	0,878	0,094	DX18-3E3 .. DX18-3F3 ..
Square shank 	G4014.08L-2T12DX18-P	0,079	0,984	0,500	0,500	0,469	4,331	0,091	0,878	0,063	DX18-2E2 ..
	G4014.08L-3T12DX18-P	0,118	0,984	0,500	0,500	0,453	4,331	0,091	0,878	0,094	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h_1 [mm]	0,5
	Clamping screw for grooving insert	FS2586 (T15IP) 2 Nm
	Blanking plug	FS2589
	UNF 5/16-24 threaded plug	FS2593 (SW 4)
	Torx key	FS1465 (T15IP)

Accessories

	h = h_1 [mm]	0,5
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)

Accessories

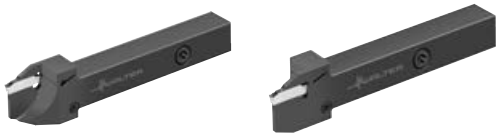
	h = h_1 [mm]	0,5
	5/16" UNF angle connection	FS2594
	5/16" UNF connection element	FS2595
	Copper gasket	FS2598

A2

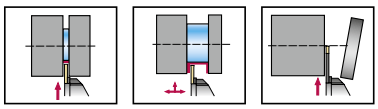
Shank tool – Radial grooving

G4014...-P inch

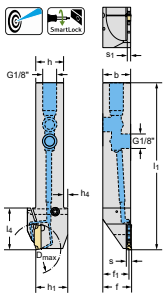
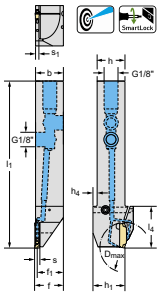
Walter Cut



– Side screw clamping
– Precision cooling

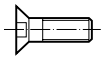
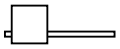


Tool

	Designation	s inch	D_{max} inch	b inch	h = h_1 inch	f_1 inch	l_1 inch	h_4 inch	l_4 inch	s_1 inch	Type
Square shank 	G4014.10R-2T17DX18-P	0,079	1,378	0,625	0,625	0,594	4,724	0,161	1,181	0,063	DX18-2E2 ..
	G4014.12R-2T17DX18-P		1,378	0,750	0,750	0,717	4,724	0,118	1,181	0,063	
	G4014.10R-3T17DX18-P	0,118	1,378	0,625	0,625	0,579	4,724	0,161	1,181	0,094	DX18-3E3 .. DX18-3F3 ..
	G4014.12R-3T17DX18-P		1,378	0,750	0,750	0,701	4,724	0,118	1,181	0,094	
Square shank 	G4014.10L-2T17DX18-P	0,079	1,378	0,625	0,625	0,594	4,724	0,161	1,181	0,063	DX18-2E2 ..
	G4014.12L-2T17DX18-P		1,378	0,750	0,750	0,717	4,724	0,118	1,181	0,063	
	G4014.10L-3T17DX18-P	0,118	1,378	0,625	0,625	0,579	4,724	0,161	1,181	0,094	DX18-3E3 .. DX18-3F3 ..
	G4014.12L-3T17DX18-P		1,378	0,750	0,750	0,701	4,724	0,118	1,181	0,094	

$f = f_1 + s/2$
For the connection set for coolant supply with G1/8" thread, see "Assembly parts and accessories"
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h = h_1 [mm]	0,62	0,75
	Clamping screw for grooving insert	FS2585 (T15IP) 3 Nm	FS2585 (T15IP) 3 Nm
	Blanking plug	FS2589	FS2589
	G 1/8" threaded plug	FS2258 (SW 2)	FS2258 (SW 2)
	M6 threaded plug		FS2288 (SW 3)
	Torx key	FS1465 (T15IP)	FS1465 (T15IP)

Accessories

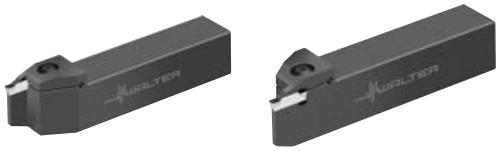
	h = h_1 [mm]	0,62–0,75
	Torque screwdriver, analogue	FS2003
	Interchangeable blade	FS2014 (T15IP)

A2

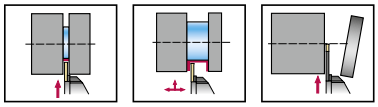
Shank tool – Radial grooving

G4011 mm

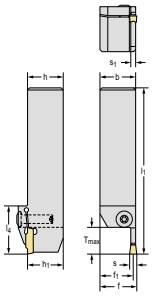
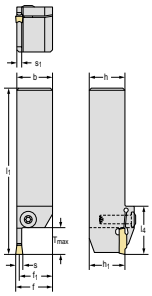
Walter Cut



– Screw clamping

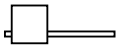


Tool

	Designation	s mm	T_{max} mm	D_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
Square shank 	★ G4011-2020R-2T10DX18	2	10		20	20	19,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525R-2T10DX18		10		25	25	24,2	125	28	1,6	
	G4011-2020R-3T10DX18	3	10		20	20	18,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
	G4011-2525R-3T10DX18		10		25	25	23,8	125	28	2,4	
	G4011-2020R-4T10DX18	4	10		20	20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2020R-4T17DX18		17		20	20	18,3	125	33,5	3,4	
	G4011-2525R-4T10DX18		10		25	25	23,2	125	33,5	3,4	
	G4011-2525R-4T17DX18		17		25	25	23,2	125	33,5	3,4	
Square shank 	★ G4011-2020L-2T10DX18	2	10		20	20	19,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525L-2T10DX18		10		25	25	24,2	125	28	1,6	
	G4011-2020L-3T10DX18	3	10		20	20	18,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
	G4011-2525L-3T10DX18		10		25	25	23,8	125	28	2,4	
	G4011-2020L-4T10DX18	4	10		20	20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2020L-4T17DX18		17		20	20	18,3	125	33,5	3,4	
	G4011-2525L-4T10DX18		10		25	25	23,2	125	33,5	3,4	
	G4011-2525L-4T17DX18		17		25	25	23,2	125	33,5	3,4	

$f = f_1 + s/2$
If no D_2 or D_{max} is specified, the tool has no diameter limit.
Bodies and assembly parts are included in the scope of delivery.

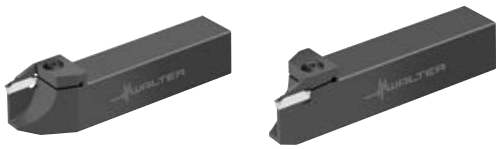
Assembly parts

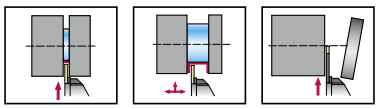
	h = h_1 [mm]	20–25
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Shank tool – Radial grooving

G4011 mm

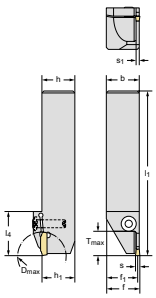
Walter Cut

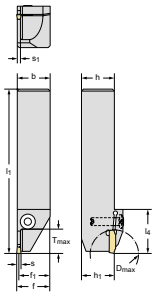




Tool

	Designation	s mm	T_{max} mm	D_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
Square shank	G4011-2525R-2T17DX18	2	17	35	25	25	24,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525R-2.5T17DX18	2,5	17	35	25	25	24	125	33,5	2,1	DX18-2E2.5 ..
	G4011-2525R-3T17DX18	3	17	35	25	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
Square shank	G4011-2525L-2T17DX18	2	17	35	25	25	24,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525L-2.5T17DX18	2,5	17	35	25	25	24	125	33,5	2,1	DX18-2E2.5 ..
	G4011-2525L-3T17DX18	3	17	35	25	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..





$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

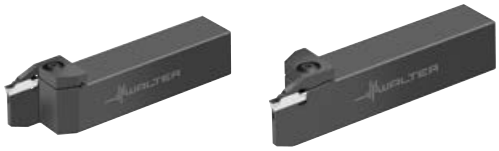
	h = h_1 [mm]	25
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

A2

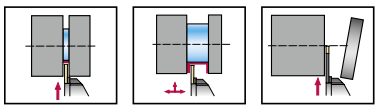
Shank tool – Radial grooving

G4011...-P mm

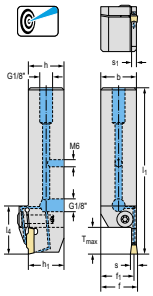
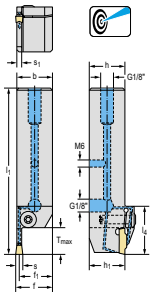
Walter Cut



– Screw clamping
– Precision cooling

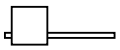


Tool

	Designation	s mm	T_{max} mm	D_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
Square shank 	G4011-2020R-4T17DX18-P	4	17		20	20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2525R-4T17DX18-P		17		25	25	23,3	125	33,5	3,4	
Square shank 	G4011-2020L-4T17DX18-P	4	17		20	20	18,3	125	33,5	3,4	DX18-4E4 .. DX18-4F4 ..
	G4011-2525L-4T17DX18-P		17		25	25	23,3	125	33,5	3,4	

The maximum recommended coolant pressure is 150 bar (2175 psi)
If no D_2 or D_{max} is specified, the tool has no diameter limit.
Bodies and assembly parts are included in the scope of delivery.

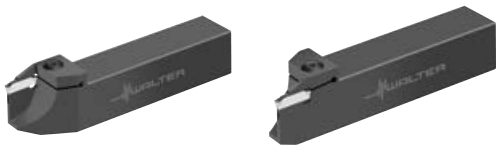
Assembly parts

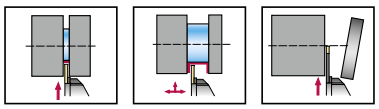
	h = h_1 [mm]	20–25
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	Torx key	FS1464 (T20IP)

Shank tool – Radial grooving

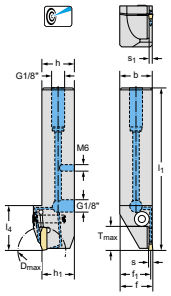
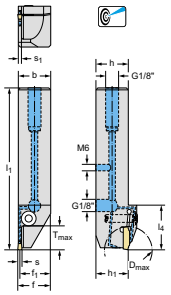
G4011...-P mm

Walter Cut



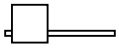


Tool

	Designation	s mm	T_{max} mm	D_{max} mm	h = h_1 mm	b mm	f_1 mm	l_1 mm	l_4 mm	s_1 mm	Type
Square shank 	G4011-2525R-2T17DX18-P	2	17	35	25	25	24,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525R-2.5T17DX18-P	2,5	17	35	25	25	24	125	33,5	2,1	DX18-2E2.5 ..
	G4011-2525R-3T17DX18-P	3	17	35	25	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..
Square shank 	G4011-2525L-2T17DX18-P	2	17	35	25	25	24,2	125	33,5	1,6	DX18-2E2 ..
	G4011-2525L-2.5T17DX18-P	2,5	17	35	25	25	24	125	33,5	2,1	DX18-2E2.5 ..
	G4011-2525L-3T17DX18-P	3	17	35	25	25	23,8	125	33,5	2,4	DX18-3E3 .. DX18-3F3 ..

The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

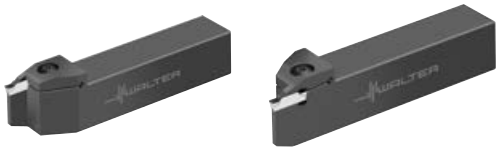
	h = h_1 [mm]	25
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1464 (T20IP)

A2

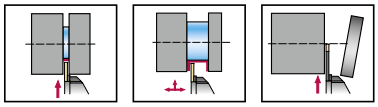
Shank tool – Radial grooving

G4011 inch

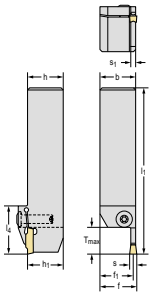
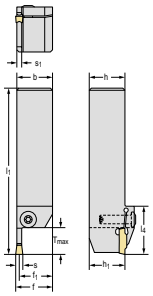
Walter Cut



– Screw clamping

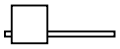


Tool

	Designation	s inch	T_{max} inch	D_{max} inch	h = h_1 inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
Square shank 	★ G4011.12R-2T10DX18	0,079	0,394		0,750	0,750	0,717	4,921	1,102	0,063	DX18-2E2 ..
	G4011.16R-2T10DX18		0,394		1,000	1,000	0,969	4,921	1,102	0,063	
	G4011.16R-3T10DX18	0,118	0,394		1,000	1,000	0,953	4,921	1,102	0,094	DX18-3E3 .. DX18-3F3 ..
	G4011.12R-4T17DX18	0,157	0,669		0,750	0,750	0,685	4,921	1,319	0,134	DX18-4E4 .. DX18-4F4 ..
	G4011.16R-4T17DX18		0,669		1,000	1,000	0,933	4,921	1,319	0,134	
Square shank 	G4011.16L-2T10DX18	0,079	0,394		1,000	1,000	0,969	4,921	1,102	0,063	DX18-2E2 ..
	G4011.16L-3T10DX18	0,118	0,394		1,000	1,000	0,953	4,921	1,102	0,094	DX18-3E3 .. DX18-3F3 ..
	G4011.12L-4T17DX18	0,157	0,669		0,750	0,750	0,685	4,921	1,319	0,134	DX18-4E4 .. DX18-4F4 ..
	G4011.16L-4T17DX18		0,669		1,000	1,000	0,933	4,921	1,319	0,134	

$f = f_1 + s/2$
If no D_2 or D_{max} is specified, the tool has no diameter limit.
Bodies and assembly parts are included in the scope of delivery.

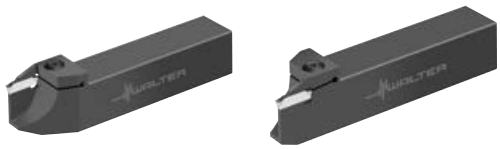
Assembly parts

	h = h_1 [mm]	0,75–1
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

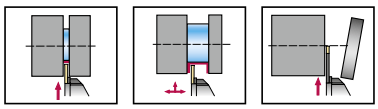
Shank tool – Radial grooving

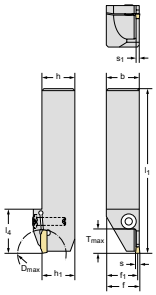
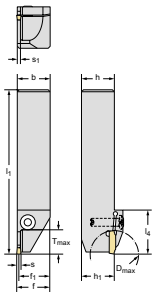
G4011 inch

Walter Cut



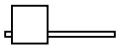
– Screw clamping



Tool	Designation	s inch	T_{max} inch	D_{max} inch	h = h_1 inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
Square shank 	G4011.16R-3T17DX18	0,118	0,669	1,378	1,000	1,000	0,953	4,921	1,319	0,094	DX18-3E3 .. DX18-3F3 ..
Square shank 	G4011.16L-3T17DX18	0,118	0,669	1,378	1,000	1,000	0,953	4,921	1,319	0,094	DX18-3E3 .. DX18-3F3 ..

$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

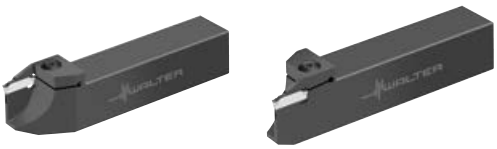
	h = h_1 [mm]	1
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

A2

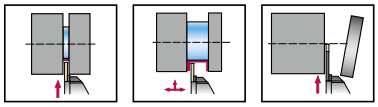
Shank tool – Radial grooving

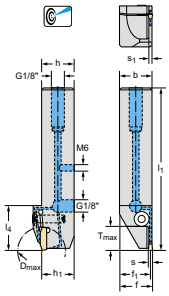
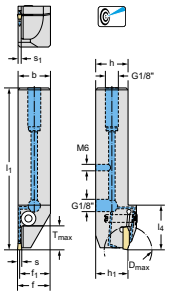
G4011...-P inch

Walter Cut



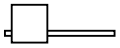
– Screw clamping
– Precision cooling



Tool	Designation	s inch	T_{max} inch	D_{max} inch	h = h_1 inch	b inch	f_1 inch	l_1 inch	l_4 inch	s_1 inch	Type
Square shank	G4011.16R-2T17DX18-P	0,079	0,669	1,378	1,000	1,000	0,969	4,921	1,319	0,063	DX18-2E2 ..
	G4011.16R-3T17DX18-P	0,118	0,669	1,378	1,000	1,000	0,953	4,921	1,319	0,094	DX18-3E3 .. DX18-3F3 ..
Square shank	G4011.16L-2T17DX18-P	0,079	0,669	1,378	1,000	1,000	0,969	4,921	1,319	0,063	DX18-2E2 ..
	G4011.16L-3T17DX18-P	0,118	0,669	1,378	1,000	1,000	0,953	4,921	1,319	0,094	DX18-3E3 .. DX18-3F3 ..

The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery.

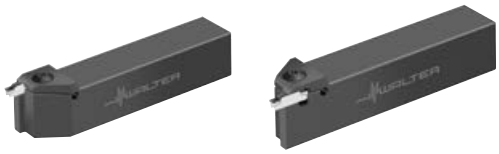
Assembly parts

	h = h_1 [mm]	1
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	G 1/8" threaded plug	FS2258 (SW 2)
	M6 threaded plug	FS2288 (SW 3)
	Torx key	FS1464 (T20IP)

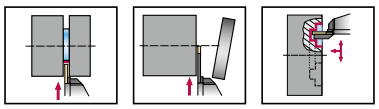
Shank tool – Universal

G4511 mm

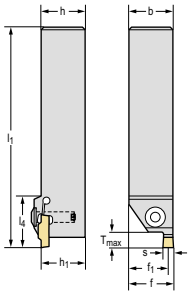
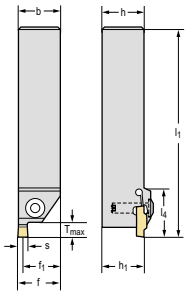
Walter Cut



– Screw clamping
– Various insert widths fit in one tool

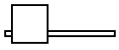


Tool

	Designation	s mm	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_1 mm	l_4 mm	Type
Square shank 	★ G4511-1212R-T5DX18	2–6	5	12	12	9,4	120	31,5	DX18- . E .. DX18- . F ..
	★ G4511-1616R-T5DX18		5	16	16	13,4	120	29	
	★ G4511-2020R-T5DX18		5	20	20	17,4	120	29	
	★ G4511-2525R-T5DX18		5	25	25	22,4	125	29	
Square shank 	★ G4511-2020L-T5DX18	2–6	5	20	20	17,4	120	29	DX18- . E .. DX18- . F ..
	★ G4511-2525L-T5DX18		5	25	25	22,4	125	29	

$f = f_1 + s/2$
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

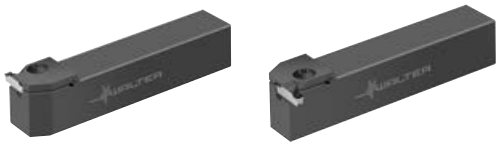
	$h = h_1$ [mm]	12–25
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

A2

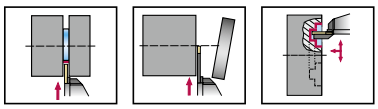
Shank tool – 90° universal

G4521 mm

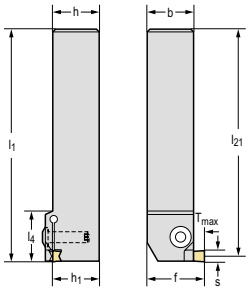
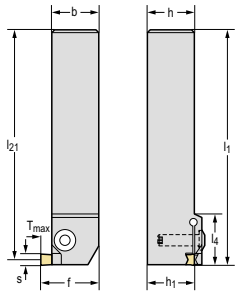
Walter Cut



– Screw clamping
– Various insert widths fit in one tool

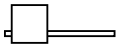


Tool

	Designation	s mm	T_{max} mm	$h = h_1$ mm	b mm	f mm	l_1 mm	l_4 mm	Type
Square shank 	★ G4521-2020R-T5DX18	2–6	5	20	20	25,5	120,35	27	DX18- . E .. DX18- . F ..
	★ G4521-2525R-T5DX18		5	25	25	30,5	125,35	27	
Square shank 	★ G4521-2020L-T5DX18	2–6	5	20	20	25,5	120,35	27	DX18- . E .. DX18- . F ..
	★ G4521-2525L-T5DX18		5	25	25	30,5	125,35	27	

$l_1 = l_{21} + s/2$
Bodies and assembly parts are included in the scope of delivery.

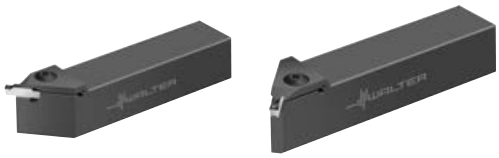
Assembly parts

	$h = h_1$ [mm]	20–25
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

Shank tool – 45° universal

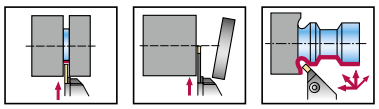
G4551 mm

Walter Cut

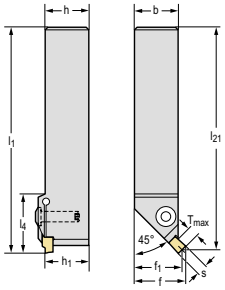
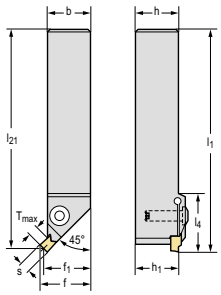


A2

– Screw clamping
– Various insert widths fit in one tool

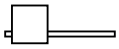


Tool

	Designation	s mm	T_{max} mm	$h = h_1$ mm	b mm	f_1 mm	l_{21} mm	l_4 mm	Type
Square shank 	★ G4551-2020R-T5DX18	2–6	5	20	20	22,3	129,62	32	DX18- . E .. DX18- . F ..
	★ G4551-2525R-T5DX18		5	25	25	27,3	129,62	32	
Square shank 	★ G4551-2525L-T5DX18	2–6	5	25	25	27,3	129,62	32	DX18- . E .. DX18- . F ..

$f = f_1 + 0{,}707 \times s/2$
$l_1 = l_{21} + 0{,}707 \times s/2$
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	$h = h_1$ [mm]	20–25
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

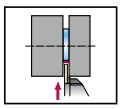
A2

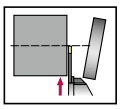
Deep parting blade

G4042...N mm

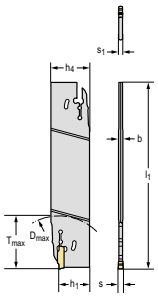
Walter Cut

– Self-clamping system

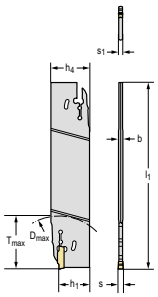




Tool

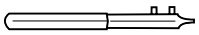


Designation	s mm	T_{max} mm	h_4 mm	b mm	l_1 mm	h_1 mm	s_1 mm	Type
★ G4042-26N-1.5T17DX18	1,5	17	26	3,5	130	17,4	1,2	DX18-1E1.5 ..
★ G4042-26N-2T25DX18	2	25	26	3,5	130	17,4	1,6	DX18-2E2 ..
★ G4042-26N-3T40DX18	3	40	26	3,5	130	17,3	2,4	DX18-3E3 .. DX18-3F3 ..
★ G4042-26N-4T40DX18	4	40	26	3,5	130	17,2	3,4	DX18-4E4 .. DX18-4F4 ..



Designation	s mm	T_{max} mm	h_4 mm	b mm	l_1 mm	h_1 mm	s_1 mm	Type
★ G4042-32N-1.5T17DX18	1,5	17	32	3,5	150	21,1	1,2	DX18-1E1.5 ..
★ G4042-32N-2T25DX18	2	25	32	3,5	150	21,1	1,6	DX18-2E2 ..
★ G4042-32N-3T40DX18	3	40	32	3,5	150	21	2,4	DX18-3E3 .. DX18-3F3 ..
★ G4042-32N-4T40DX18	4	40	32	3,5	150	20,9	3,4	DX18-4E4 .. DX18-4F4 ..

Accessories

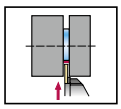
	h_4 [mm]	26–32
	Mounting wrench for grooving insert	FS1494

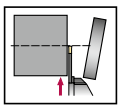
Deep parting blade

G4042...N...-P mm

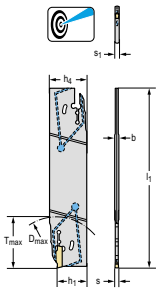
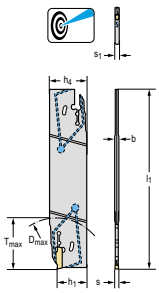
Walter Cut

– Self-clamping system
– Precision cooling





Tool

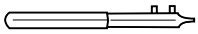
	Designation	s mm	T_{max} mm	h_4 mm	b mm	l_1 mm	h_1 mm	s_1 mm	Type
	★ G4042-26N-3T40DX18-P	3	40	26	3,5	130	17,3	2,4	DX18-3E3 .. DX18-3F3 ..
	★ G4042-32N-3T40DX18-P	3	40	32	3,5	150	21	2,4	DX18-3E3 .. DX18-3F3 ..

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

Assembly parts

	h_4 [mm]	26–32
	Coolant transfer insert	FS2282

Accessories

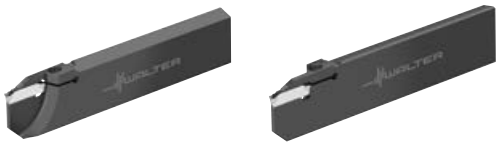
	h_4 [mm]	26–32
	Mounting wrench for grooving insert	FS1494

A2

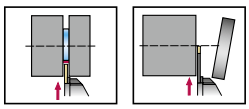
Reinforced parting blade

G4041 mm

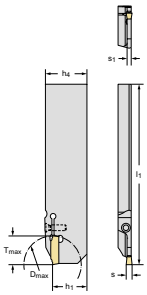
Walter Cut



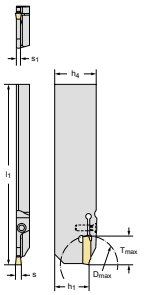
– Screw clamping



Tool



Designation	s mm	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	s_1 mm	Type
G4041-26R-1.5T17DX18	1,5	17	35	26	110	1,2	DX18-1E1.5 ..
G4041-26R-2T17DX18	2	17	35	26	110	1,6	DX18-2E2 ..
G4041-26R-3T17DX18	3	17	35	26	110	2,5	DX18-3E3 .. DX18-3F3 ..
G4041-32R-2T21DX18	2	21	42	32	110	2,5	DX18-2E2 ..



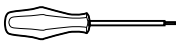
G4041-26L-1.5T17DX18	1,5	17	35	26	110	1,2	DX18-1E1.5 ..
G4041-26L-2T17DX18	2	17	35	26	110	1,6	DX18-2E2 ..
G4041-26L-3T17DX18	3	17	35	26	110	2,5	DX18-3E3 .. DX18-3F3 ..

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

Assembly parts

h_4 [mm]	26–32
Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3,5 Nm

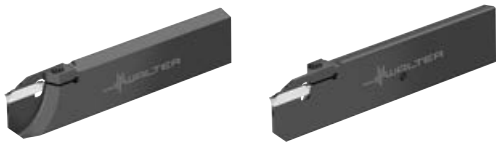
Accessories

h_4 [mm]	26–32
 Screwdriver for grooving insert	FS1485 (T15IP)

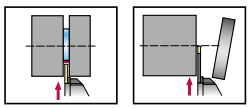
Reinforced parting blade

G4041...-P mm

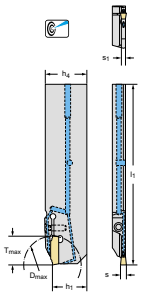
Walter Cut



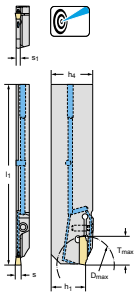
– Screw clamping
– Precision cooling



Tool



Designation	s mm	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	s_1 mm	Type
G4041-26R-2T17DX18-P	2	17	35	26	110	1,6	DX18-2E2 ..
★ G4041-26R-3T17DX18-P	3	17	35	26	110	2,5	DX18-3E3 .. DX18-3F3 ..



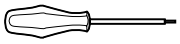
Designation	s mm	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	s_1 mm	Type
G4041-26L-2T17DX18-P	2	17	35	26	110	1,6	DX18-2E2 ..
★ G4041-26L-3T17DX18-P	3	17	35	26	110	2,5	DX18-3E3 .. DX18-3F3 ..
G4041-32L-2T21DX18-P	2	21	42	32	110	1,6	DX18-2E2 ..

The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h_4 [mm]	26–32
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3,5 Nm

Accessories

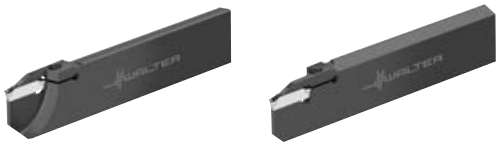
	h_4 [mm]	26–32
	Screwdriver for grooving insert	FS1485 (T15IP)

A2

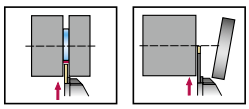
Reinforced parting blade – Contra

G4041...C mm

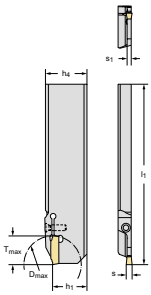
Walter Cut



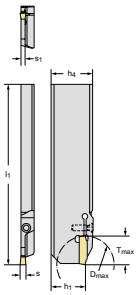
– Screw clamping



Tool



Designation	s mm	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	s_1 mm	Type
G4041-26R-1.5T17DX18C	1,5	17	35	26	110	1,2	DX18-1E1.5 ..
G4041-26R-2T17DX18C	2	17	35	26	110	1,6	DX18-2E2 ..
G4041-26R-3T17DX18C	3	17	35	26	110	2,5	DX18-3E3 .. DX18-3F3 ..
G4041-32R-2T21DX18C	2	21	42	32	110	1,6	DX18-2E2 ..



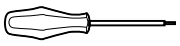
Designation	s mm	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	s_1 mm	Type
G4041-26L-1.5T17DX18C	1,5	17	35	26	110	1,2	DX18-1E1.5 ..
G4041-26L-2T17DX18C	2	17	35	26	110	1,6	DX18-2E2 ..
G4041-26L-3T17DX18C	3	17	35	26	110	2,5	DX18-3E3 .. DX18-3F3 ..
G4041-32L-2T21DX18C	2	21	42	32	110	1,6	DX18-2E2 ..

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

Assembly parts

	h_4 [mm]	26–32
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3,5 Nm

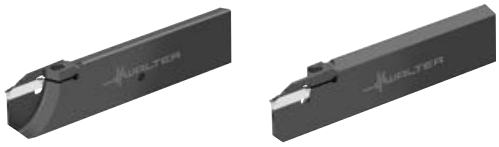
Accessories

	h_4 [mm]	26–32
	Screwdriver for grooving insert	FS1485 (T15IP)

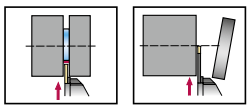
Reinforced parting blade – Contra

G4041...C-P mm

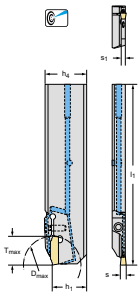
Walter Cut

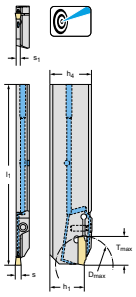


– Screw clamping
– Precision cooling



Tool





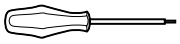
Designation	s mm	T_{max} mm	D_{max} mm	h_4 mm	l_1 mm	s_1 mm	Type
G4041-26R-2T17DX18C-P	2	17	35	26	110	1,6	DX18-2E2 ..
★ G4041-32R-2T21DX18C-P		21	42	32	110	1,6	
★ G4041-32R-3T21DX18C-P	3	21	42	32	110	2,5	DX18-3E3 .. DX18-3F3 ..
G4041-26L-2T17DX18C-P	2	17	35	26	110	1,6	DX18-2E2 ..
★ G4041-32L-2T21DX18C-P		21	42	32	110	1,6	
★ G4041-32L-3T21DX18C-P	3	21	42	32	110	2,5	DX18-3E3 .. DX18-3F3 ..

The maximum recommended coolant pressure is 80 bar (1160 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	h_4 [mm]	26–32
	Clamping screw for grooving insert Tightening torque	FS2164 (T15IP) 3,5 Nm

Accessories

	h_4 [mm]	26–32
	Screwdriver for grooving insert	FS1485 (T15IP)

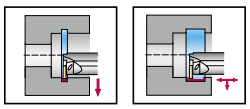
A2

Boring bar – Internal grooving

G4221...-P mm

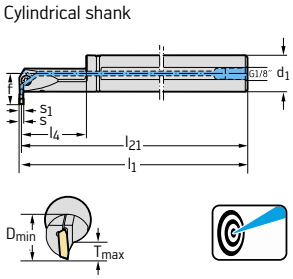
Walter Cut

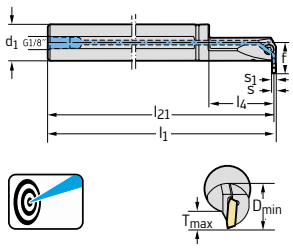
– Screw clamping
– Precision cooling



Tool

	Designation	s mm	T_{max} mm	D_{min} mm	d_1 mm	f mm	l_1 mm	l_4 mm	l_{21} mm	s_1 mm	Type
Cylindrical shank	★ G4221-25RR-2T08-DX18-P	2	8	25	25	21,1	200,2	46,2	199,2	1,6	DX18-2E2 ..
	★ G4221-25RR-3T08-DX18-P	3	8	25	25	21,1	200,25	46,3	198,8	2,5	DX18-3E3 .. DX18-3F3 ..
	★ G4221-32SR-3T10-DX18-P		10	32	32	26,6	250,25	59,3	248,8	2,5	
	★ G4221-32SR-4T10-DX18-P	4	10	32	32	26,6	250,3	59,3	248,3	3,4	DX18-4E4 .. DX18-4F4 ..
Cylindrical shank	★ G4221-25RL-2T08-DX18-P	2	8	25	25	21,1	200,2	46,2	199,2	1,6	DX18-2E2 ..
	★ G4221-25RL-3T08-DX18-P	3	8	25	25	21,1	200,25	46,3	198,8	2,5	DX18-3E3 .. DX18-3F3 ..
	★ G4221-32SL-3T10-DX18-P		10	32	32	26,6	250,25	59,3	248,8	2,5	
	★ G4221-32SL-4T10-DX18-P	4	10	32	32	26,6	250,3	59,3	248,3	3,4	DX18-4E4 .. DX18-4F4 ..





$l_1 = l_{21} + s/2$
The maximum recommended coolant pressure is 80 bar (1160 psi)
For the connection set for coolant supply with G1/8" thread, see "Assembly parts and accessories"
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	D_{min} [mm]	25	32
	Clamping screw for grooving insert Tightening torque	FS1495 (T20IP) 5 Nm	FS2089 (T25IP) 6 Nm
	Threaded plug	M03X003 ISO 4026 (SW 1,5)	M03X003 ISO 4026 (SW 1,5)
	O-ring	O-RING 20X2	O-RING 27X2
	Screwdriver	FS1486 (T20IP)	FS1487 (T25IP)

Accessories

	D_{min} [mm]	25	32
	Torque screwdriver, analogue	FS2003	FS2003
	Interchangeable blade	FS2015 (T20IP)	FS2016 (T25IP)

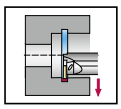
Boring bar – Internal grooving

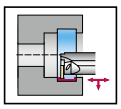
G4221...-P inch

Walter Cut

A2

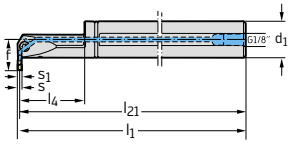
– Screw clamping
– Precision cooling

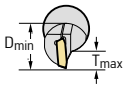




Tool

Cylindrical shank

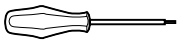




Designation	s inch	T_{max} inch	D_{min} inch	d_1 inch	f inch	l_1 inch	l_4 inch	l_{21} inch	s_1 inch	Type
★ G4221.16RR-2T08-DX18-P	0,079	0,315	1,000	1,000	0,839	7,882	1,821	7,843	0,063	DX18-2E2 ..
★ G4221.16RR-3T08-DX18-P	0,118	0,315	1,000	1,000	0,839	7,884	1,821	7,825	0,098	DX18-3E3 .. DX18-3F3 ..
★ G4221.20SR-3T10-DX18-P		0,394	1,250	1,250	1,043	9,852	2,333	9,793	0,098	
★ G4221.20SR-4T10-DX18-P	0,157	0,394	1,250	1,250	1,043	9,854	2,335	9,776	0,134	DX18-4E4 .. DX18-4F4 ..

$l_1 = l_{21} + s/2$
The maximum recommended coolant pressure is 80 bar (1160 psi)
For the connection set for coolant supply with G1/8" thread, see "Assembly parts and accessories"
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	D_{min} [mm]	1	1,25
	Clamping screw for grooving insert Tightening torque	FS1495 (T20IP) 5 Nm	FS2089 (T25IP) 6 Nm
	Threaded plug	M03X003 ISO 4026 (SW 1,5)	M03X003 ISO 4026 (SW 1,5)
	O-ring	O-RING 20X2	O-RING 27X2
	Screwdriver	FS1486 (T20IP)	FS1487 (T25IP)

Accessories

	D_{min} [mm]	1	1,25
	Torque screwdriver, analogue	FS2004	FS2004
	Interchangeable blade	FS2015 (T20IP)	FS2016 (T25IP)

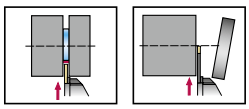
A2

Grooving module – Radial grooving

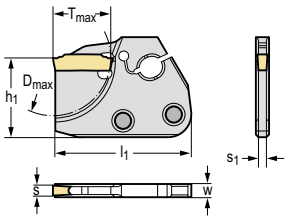
G4635 mm

Walter Cut

– Screw clamping
– Replacement module



Tool



Designation	s mm	T_{max} mm	D_{max} mm	h_1 mm	W mm	l_1 mm	s_1 mm	Type
★ G4635-30N-1.5T10DX18	1,5	10	35	24	4	42	1,2	DX18-1E1.5 ..
★ G4635-30N-2T17DX18	2	17	35	24	4	42	1,6	DX18-2E2 ..
★ G4635-30N-3T17DX18	3	17	35	24	4	42	2,4	DX18-3E3 .. DX18-3F3 ..

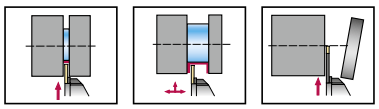
Groove turning holders – Radial grooving

G4011-C...-P mm

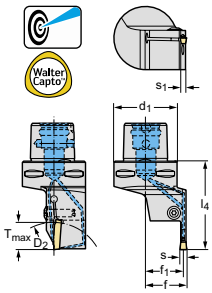
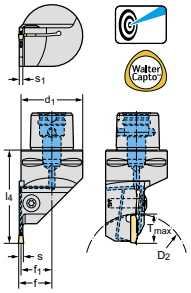
Walter Cut

A2

– Walter Capto™
– Screw clamping

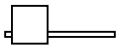


Tool

	Designation	s mm	T_{max} mm	D_2 mm	d_1	f_1 mm	l_4 mm	s_1 mm	Type
Walter Capto™ in acc. with ISO 26623 	G4011-C3R-2T17DX18-P	2	17	52	C3	20	55	1,6	DX18-2E2 ..
	G4011-C4R-2T17DX18-P		17	52	C4	20	60	1,6	
Walter Capto™ in acc. with ISO 26623 	G4011-C3L-2T17DX18-P	2	17	52	C3	20	55	1,6	DX18-2E2 ..
	G4011-C4L-2T17DX18-P		17	52	C4	20	60	1,6	

$f = f_1 + s/2$
If no D_2 or D_{max} is specified, the tool has no diameter limit.
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	d_1	C3–C4
	Clamping screw for grooving insert Tightening torque	FS2118 (T20IP) 5 Nm
	Torx key	FS1464 (T20IP)

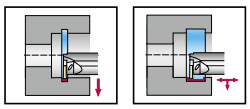
Exchangeable head – Internal grooving

G4221-Q...-P mm

Walter Cut

A2

– QuadFit
– For Accure·tec boring bars



Tool

	Designation	s mm	T_{max} mm	D_{min} mm	d_1 mm	f mm	l_4 mm	l_{21} mm	s_1 mm	Type
QuadFit	★ G4221-Q32R-3T12DX18-P	3	12	50	32	29,7	22,4	30,5	2,4	DX18-3E3 .. DX18-3F3 ..
	★ G4221-Q40R-3T12DX18-P		12	55	40	33,7	22,4	30,5	2,4	
	★ G4221-Q50R-3T12DX18-P		12	80	50	38,7	22,3	30,5	2,4	
	★ G4221-Q32R-4T12DX18-P	4	12	50	32	29,7	22,4	30	3,4	DX18-4E4 .. DX18-4F4 ..
	★ G4221-Q40R-4T12DX18-P		12	55	40	33,7	22,4	30	3,4	
	★ G4221-Q50R-4T21DX18-P		21	80	50	47,7	22,3	30	3,4	
QuadFit	★ G4221-Q32L-3T12DX18-P	3	12	50	32	29,7	22,4	30,5	2,4	DX18-3E3 .. DX18-3F3 ..
	★ G4221-Q40L-3T12DX18-P		12	55	40	33,7	22,4	30,5	2,4	
	★ G4221-Q50L-3T12DX18-P		12	80	50	38,7	22,3	30,5	2,4	
	★ G4221-Q32L-4T12DX18-P	4	12	50	32	29,7	22,4	30	3,4	DX18-4E4 .. DX18-4F4 ..
	★ G4221-Q40L-4T12DX18-P		12	55	40	33,7	22,4	30	3,4	
	★ G4221-Q50L-4T21DX18-P		21	80	50	47,7	22,3	30	3,4	

$l_1 = l_{21} + s/2$
The maximum recommended coolant pressure is 150 bar (2175 psi)
Bodies and assembly parts are included in the scope of delivery.

Assembly parts

	D_{min} [mm]	50–80
	Clamping screw for grooving insert Tightening torque	FS2614 (T20IP) 5 Nm
	Threaded plug	M03X006 ISO 4026
	Torx key	FS1464 (T20IP)

Accessories

	D_{min} [mm]	50–80
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)

B – Holemaking

Drilling from solid – B1

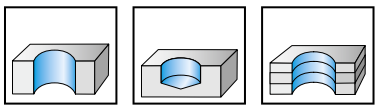
Solid carbide drilling and reaming tools	Solid carbide drilling and reaming tools	66
Indexable inserts for drilling from solid	Indexable inserts for drilling from solid	76
Boring tools with indexable inserts	Indexable insert drills	82

Boring and precision boring – B2

Indexable inserts for boring and precision boring	Indexable inserts for precision boring	136

Solid carbide twist drills
DC175 Supreme

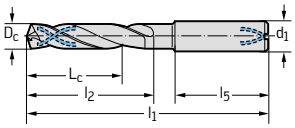
– Walter precision cooling



3×Dc | DIN 6537 K | 140°

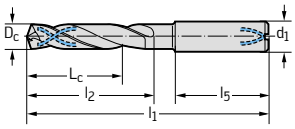
B1

	P	M	K	N	S	H	O
WJ30RZ	●	●●		●	●●		●

Tool	Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
DIN 6535 HA 	★ 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	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	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	
	★ DC175-03-04.300A1-	4,3	17	66	24	36	6	
	★ DC175-03-04.600A1-	4,6	17	66	24	36	6	
	★ DC175-03-04.700A1-	4,7	17	66	24	36	6	
	★ DC175-03-04.763A1-	4,763	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	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	20	66	28	36	6	
	★ 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	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-	6,35	24	79	34	36	8	

Tool

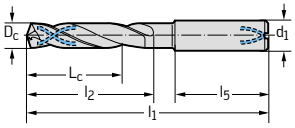
DIN 6535 HA



Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ 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	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	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	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	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	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	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	35	89	47	40	10	
★ DC175-03-09.200A1-	9,2	35	89	47	40	10	
★ 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	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	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	

Tool

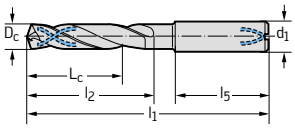
DIN 6535 HA



Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-03-10.319A1-	10,319	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	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	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	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	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-	12,7	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	43	107	60	45	14	
★ 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	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	

Tool

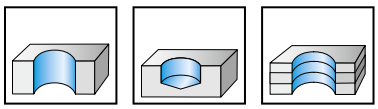
DIN 6535 HA



Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ 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	

Solid carbide twist drills
DC175 Supreme

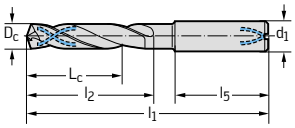
– Walter precision cooling



5×Dc | DIN 6537 L | 140°

B1

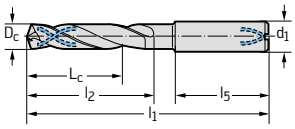
	P	M	K	N	S	H	O
WJ30RZ	●	●●		●	●●		●

Tool	Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
DIN 6535 HA 	★ DC175-05-03.000A1-	3	19	66	24	36	6	●
	★ DC175-05-03.175A1-	3,175	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	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	●
	★ DC175-05-04.000A1-	4	29	74	36	36	6	●
	★ DC175-05-04.200A1-	4,2	29	74	36	36	6	●
	★ DC175-05-04.366A1-	4,366	29	74	36	36	6	●
	★ DC175-05-04.763A1-	4,763	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	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	●
	★ DC175-05-05.556A1-	5,556	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	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-	6,35	43	91	53	36	8	●
	★ DC175-05-06.400A1-	6,4	43	91	53	36	8	●

For dia. 3–3.75: Overall length according to DIN 6537 L, grooves shortened compared to DIN 6537 L

Tool

DIN 6535 HA

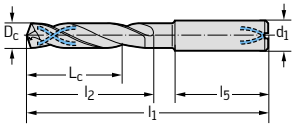


Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-05-06.500A1-	6,5	43	91	53	36	8	
★ DC175-05-06.600A1-	6,6	43	91	53	36	8	
★ DC175-05-06.700A1-	6,7	43	91	53	36	8	
★ DC175-05-06.747A1-	6,747	43	91	53	36	8	
★ DC175-05-06.800A1-	6,8	43	91	53	36	8	
★ DC175-05-06.900A1-	6,9	43	91	53	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	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	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	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	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	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	
★ DC175-05-09.128A1-	9,128	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	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	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	56	118	71	45	12	

For dia. 3–3.75: Overall length according to DIN 6537 L, grooves shortened compared to DIN 6537 L

Tool

DIN 6535 HA

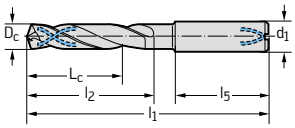


Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-05-10.400A1-	10,4	56	118	71	45	12	
★ DC175-05-10.500A1-	10,5	56	118	71	45	12	
★ DC175-05-10.600A1-	10,6	56	118	71	45	12	
★ DC175-05-10.700A1-	10,7	56	118	71	45	12	
★ DC175-05-10.716A1-	10,716	56	118	71	45	12	
★ DC175-05-10.800A1-	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	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	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	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-	12,7	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	
★ 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	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	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	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	

For dia. 3–3.75: Overall length according to DIN 6537 L, grooves shortened compared to DIN 6537 L

Tool

DIN 6535 HA



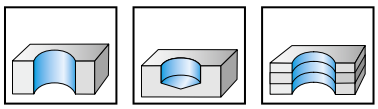
Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RZ
★ DC175-05-17.500A1-	17,5	71	143	93	48	18	
★ DC175-05-18.000A1-	18	71	143	93	48	18	
★ DC175-05-18.500A1-	18,5	77	153	101	50	20	
★ DC175-05-19.000A1-	19	77	153	101	50	20	
★ DC175-05-19.500A1-	19,5	77	153	101	50	20	
★ DC175-05-20.000A1-	20	77	153	101	50	20	

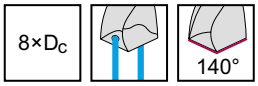
For dia. 3–3.75: Overall length according to DIN 6537 L, grooves shortened compared to DIN 6537 L

B1

Solid carbide twist drills
DC175 Supreme

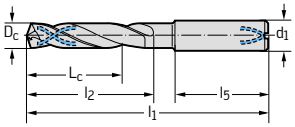
– Walter precision cooling





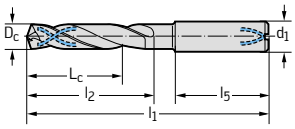
B1

	P	M	K	N	S	H	O
WJ30RY	●	●●		●	●●		●

Tool	Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RY
DIN 6535 HA 	★ 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	●
	★ DC175-08-04.763A1-	4,763	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-	6,35	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	●
	★ DC175-08-07.144A1-	7,144	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	●

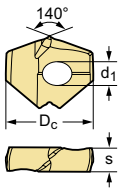
Tool

DIN 6535 HA

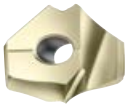


Designation	D_c m7 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 h6 mm	WJ30RY
★ DC175-08-09.200A1-	9,2	80	139	95	40	10	
★ DC175-08-09.300A1-	9,3	80	139	95	40	10	
★ DC175-08-09.500A1-	9,5	80	139	95	40	10	
★ DC175-08-09.800A1-	9,8	80	139	95	40	10	
★ DC175-08-10.000A1-	10	80	139	95	40	10	
★ DC175-08-10.200A1-	10,2	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	

Exchangeable-tip drills
P6006



Drill inserts

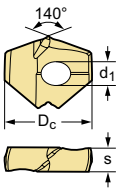


Designation	Number of cutting edges	D_c mm	Seat size	d_1 mm	s mm	P HC WPP25
P6006-D12,00R	2	12	A	3	3,6	☺
P6006-D12,50R	2	12,5	A	3	3,6	☺
P6006-D12,70R	2	12,7	A	3	3,6	☺
P6006-D13,00R	2	13	A	3	3,6	☺
P6006-D13,50R	2	13,5	A	3	3,6	☺
P6006-D13,70R	2	13,7	A	3	3,6	☺
P6006-D14,00R	2	14	B	3	4	☺
P6006-D14,10R	2	14,1	B	3	4	☺
P6006-D14,20R	2	14,2	B	3	4	☺
P6006-D14,30R	2	14,3	B	3	4	☺
P6006-D14,50R	2	14,5	B	3	4	☺
P6006-D14,68R	2	14,68	B	3	4	☺
P6006-D15,00R	2	15	B	3	4	☺
P6006-D15,09R	2	15,09	B	3	4	☺
P6006-D15,20R	2	15,2	B	3	4	☺
P6006-D15,30R	2	15,3	B	3	4	☺
P6006-D15,50R	2	15,5	B	3	4	☺
P6006-D15,70R	2	15,7	B	3	4	☺
P6006-D15,87R	2	15,87	B	3	4	☺
P6006-D16,00R	2	16	C	4	4,5	☺
P6006-D16,26R	2	16,26	C	4	4,5	☺
P6006-D16,50R	2	16,5	C	4	4,5	☺
P6006-D16,66R	2	16,66	C	4	4,5	☺
P6006-D16,70R	2	16,7	C	4	4,5	☺
P6006-D17,00R	2	17	C	4	4,5	☺
P6006-D17,07R	2	17,07	C	4	4,5	☺
P6006-D17,45R	2	17,45	C	4	4,5	☺
P6006-D17,50R	2	17,5	C	4	4,5	☺
P6006-D17,70R	2	17,7	C	4	4,5	☺
P6006-D17,86R	2	17,86	C	4	4,5	☺
P6006-D18,00R	2	18	D	4	5	☺
P6006-D18,24R	2	18,24	D	4	5	☺
P6006-D18,50R	2	18,5	D	4	5	☺
P6006-D18,65R	2	18,65	D	4	5	☺
P6006-D18,70R	2	18,7	D	4	5	☺
P6006-D19,00R	2	19	D	4	5	☺
P6006-D19,05R	2	19,05	D	4	5	☺
P6006-D19,25R	2	19,25	D	4	5	☺
P6006-D19,50R	2	19,5	D	4	5	☺
P6006-D19,70R	2	19,7	D	4	5	☺
P6006-D19,84R	2	19,84	D	4	5	☺
P6006-D20,00R	2	20	E	5	5,5	☺
P6006-D20,24R	2	20,24	E	5	5,5	☺
P6006-D20,50R	2	20,5	E	5	5,5	☺
P6006-D20,62R	2	20,62	E	5	5,5	☺
P6006-D20,70R	2	20,7	E	5	5,5	☺

Ordering example: P60.. -D13.00R is available as
P6006 in the WPP25 grade (ISO P, unalloyed steels): P6006-D13,00R WPP25

HC = Coated carbide

Exchangeable-tip drills
P6006



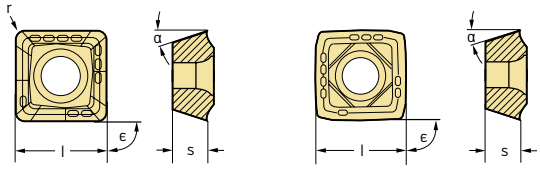
Drill inserts

Designation	Number of cutting edges	D_c mm	Seat size	d_1 mm	s mm	P HC WPP25
P6006-D21,00R	2	21	E	5	5,5	☺
P6006-D21,50R	2	21,5	E	5	5,5	☺
P6006-D21,70R	2	21,7	E	5	5,5	☺
P6006-D22,00R	2	22	F	5	6	☺
P6006-D22,22R	2	22,22	F	5	6	☺
P6006-D22,50R	2	22,5	F	5	6	☺
P6006-D22,70R	2	22,7	F	5	6	☺
P6006-D23,00R	2	23	F	5	6	☺
P6006-D23,50R	2	23,5	F	5	6	☺
P6006-D23,80R	2	23,8	F	5	6	☺
P6006-D24,00R	2	24	G	5	6,5	☺
P6006-D24,50R	2	24,5	G	5	6,5	☺
P6006-D24,70R	2	24,7	G	5	6,5	☺
P6006-D25,00R	2	25	G	5	6,5	☺
P6006-D25,25R	2	25,25	G	5	6,5	☺
P6006-D25,40R	2	25,4	G	5	6,5	☺
P6006-D25,50R	2	25,5	G	5	6,5	☺
P6006-D25,65R	2	25,65	G	5	6,5	☺
P6006-D25,70R	2	25,7	G	5	6,5	☺
P6006-D25,80R	2	25,8	G	5	6,5	☺
P6006-D26,00R	2	26	H	6	7,1	☺
P6006-D26,25R	2	26,25	H	6	7,1	☺
P6006-D26,50R	2	26,5	H	6	7,1	☺
P6006-D27,00R	2	27	H	6	7,1	☺
P6006-D27,50R	2	27,5	H	6	7,1	☺
P6006-D28,00R	2	28	J	6	7,7	☺
P6006-D28,50R	2	28,5	J	6	7,7	☺
P6006-D28,57R	2	28,57	J	6	7,7	☺
P6006-D29,00R	2	29	J	6	7,7	☺
P6006-D29,50R	2	29,5	J	6	7,7	☺
P6006-D30,00R	2	30	K	6	8	☺
P6006-D30,50R	2	30,5	K	6	8	☺
P6006-D31,00R	2	31	K	6	8	☺
P6006-D31,50R	2	31,5	K	6	8	☺
P6006-D31,75R	2	31,75	K	6	8	☺
P6006-D31,99R	2	31,99	K	6	8	☺
P6006-D32,00R	2	32	M	6	8,3	☺
P6006-D33,00R	2	33	M	6	8,3	☺
P6006-D34,00R	2	34	N	6	8,6	☺
P6006-D35,00R	2	35	N	6	8,6	☺
P6006-D36,00R	2	36	P	6	8,9	☺
P6006-D37,00R	2	37	P	6	8,9	☺
P6006-D37,99R	2	37,99	P	6	8,9	☺

Ordering example: P60.. -D13.00R is available as
P6006 in the WPP25 grade (ISO P, unalloyed steels): P6006-D13,00R WPP25

HC = Coated carbide

Square
P484 .

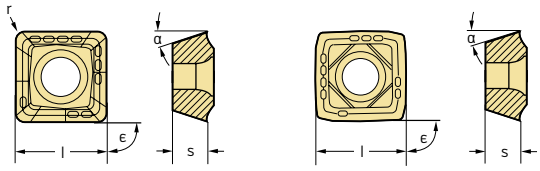


Indexable inserts

	Designation	Number of cutting edges	l mm	s mm	r mm	α	ε	N HC WNN15
	P4840C-1R-E77	4	4,9	1,96	0,29	11°	90°	
	P4840C-2R-E77	4	5,95	2,38	0,34	11°	90°	
	P4840C-3R-E77	4	7	2,8	0,4	11°	90°	
	P4840C-4R-E77	4	8,4	3,36	0,48	11°	90°	
	P4840C-5R-E77	4	10,29	4,12	0,59	11°	90°	
	P4840C-6R-E77	4	12,24	4,87	0,7	11°	90°	
	P4840C-7R-E77	4	14,69	5,53	0,8	11°	90°	
	P4840C-8R-E77	4	17,49	5,56	1	11°	90°	

HC = Coated carbide

Square
P484 .



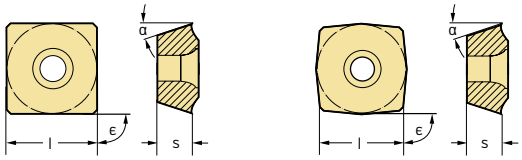
Indexable inserts

	Designation	Number of cutting edges	l mm	s mm	r mm	α	ε	N HC WNN15
	P4840P-1R-E77	4	4,55	1,96	0,29	11°	90°	
	P4840P-2R-E77	4	5,52	2,28	0,34	11°	90°	
	P4840P-3R-E77	4	6,5	2,8	0,4	11°	90°	
	P4840P-4R-E77	4	7,8	3,36	0,48	11°	90°	
	P4840P-5R-E77	4	9,56	4,12	0,59	11°	90°	
	P4840P-6R-E77	4	11,75	4,87	0,7	11°	90°	
	P4840P-7R-E77	4	14,03	5,53	0,8	11°	90°	
	P4840P-8R-E77	4	16,5	5,53	1	11°	90°	

HC = Coated carbide

B1

Square
P284..

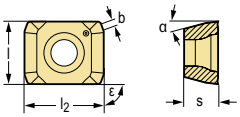


Indexable inserts

	Designation	Number of cutting edges	l mm	s mm	α	ε	N HC WNN15
	P2840S-1N-E77	4	6,35	2,38	14°	90°	
	P2840S-2N-E77	4	7,8	3,18	14°	90°	
	P2840S-3N-E77	4	9,52	3,97	11°	96°	
	P2840S-4N-E77	4	11	3,97	11°	96°	
	P2840S-5N-E77	4	12,7	4,76	11°	96°	
	P2840S-6N-E77	4	15	4,76	11°	96°	
	P2840S-7N-E77	4	17,6	5,56	11°	96°	

HC = Coated carbide

Rectangular
LCGX



Indexable inserts

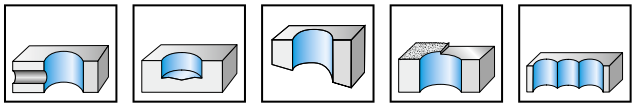
	Designation	Number of cutting edges	l mm	l_2 mm	s mm	α	ε	b mm	N HC WNN15
	LCGX050203-E77	2	4	5,2	2,38	7°	90°	0,6	
	LCGX06T204-E77	2	5,2	6,6	2,78	7°	90°	0,8	

HC = Coated carbide

Indexable insert drills

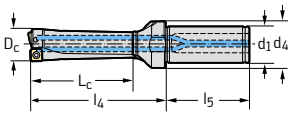
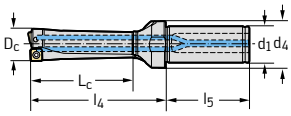
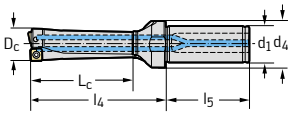
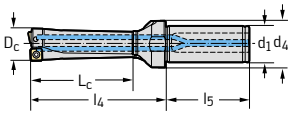
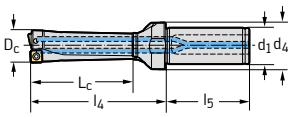
D3120-03 mm

3×D_c | Z=1



	P	M	K	N	S	H	O
D3120-03	●●	●●	●●	●●	●●		

B1

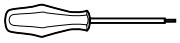
Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D3120-03-16.00F25-P21	16	48	73	56	25	32	0,31	2	P284 . S-1N- ..
	D3120-03-17.00F25-P21	17	51	76	56	25	32	0,32	2	
	★ D3120-03-17.50F25-P21	17,5	52,5	77,5	56	25	32	0,33	2	
	D3120-03-18.00F25-P21	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	0,4	2	
Parallel shank with flat 	D3120-03-26.00F32-P23	26	78	110	60	32	40	0,67	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	
Parallel shank with flat 	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	
	D3120-03-42.00F40-P25	42	126	166	70	40	50	1,83	2	
Parallel shank with flat 	★ D3120-03-43.00F40-P26	43	129	169	70	40	50	1,74	2	P284 . S-6N- ..
	★ 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	
Parallel shank with flat 	★ 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	

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

Assembly parts

	D_c [mm]	16–20	26–30	37–42	43–58
	Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 1,2 Nm	FS2181 (T15IP) 3 Nm	FS2139 (T20IP) 5 Nm	FS2281 (T20IP) 5 Nm

Accessories

	D_c [mm]	16–20	26–30	37–58
	Torque screwdriver, analogue	FS2001	FS2003	FS2003
	Torque screwdriver, digital	FS2248	FS2248	FS2248
	Interchangeable blade	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)

Indexable inserts

Designation	P HC WKP25S	P HC WKP35S	P HC WSP45G	P HC WSP45S	P HC WXP40	M HC WSP45G	M HC WSP45S	M HC WXP40	K HC WKP25S	K HC WKP35S	S HC WSP45G	S HC WSP45S
P2840S-1N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2840S-1N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2841S-1N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-1N-E57	☻	☺	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-1N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2840S-3N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2840S-3N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2841S-3N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-3N-E57	☻	☺	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-3N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2840S-5N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2840S-5N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2841S-5N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-5N-E57	☻	☺	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-5N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2840S-6N-A57		☹	☹			☹				☹	☹	
P2840S-6N-E67		☹	☹	☹		☹	☹			☹	☹	☹
P2841S-6N-A57	☺	☹	☹		☹	☹		☹	☺	☹	☹	
P2841S-6N-E57		☺	☹		☹	☹		☹		☹	☹	
P2841S-6N-E67		☹	☹		☹	☹		☹		☹	☹	
P2840S-7N-A57		☹	☹			☹				☹	☹	
P2840S-7N-E67		☹	☹	☹		☹	☹			☹	☹	☹
P2841S-7N-A57	☺	☹	☹		☹	☹		☹	☺	☹	☹	
P2841S-7N-E57		☹	☹		☹	☹		☹		☹	☹	
P2841S-7N-E67		☹	☹		☹	☹		☹		☹	☹	

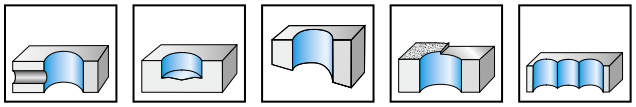
HC = Coated carbide
HW = Uncoated carbide

B1

Indexable insert drills

D3120-03 mm

B1

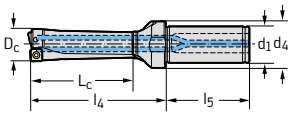


3×Dc | Z=1

	P	M	K	N	S	H	O
D3120-03	●●	●●	●●	●●	●●		

Tool

Parallel shank with flat



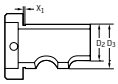
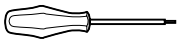
Designation	Dc mm	Lc mm	l4 mm	l5 mm	d1 mm	d4 mm	kg	No. of indexable inserts	Type
★ D3120-03-55.00F40-P27	55	165	205	70	40	50	2,79	2	P284 . S-7N- ..
★ D3120-03-56.00F40-P27	56	168	208	70	40	50	2,91	2	
★ D3120-03-57.00F40-P27	57	171	211	70	40	50	3,04	2	
★ D3120-03-58.00F40-P27	58	174	214	70	40	50	3,17	2	

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

Assembly parts

	D_c [mm]	16–20	26–30	37–42	43–58
	Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 1,2 Nm	FS2181 (T15IP) 3 Nm	FS2139 (T20IP) 5 Nm	FS2281 (T20IP) 5 Nm

Accessories

	D_c [mm]	16–20	26–30	37–58
	Eccentric sleeve			
	FS722	FS723	FS724	
	Torque screwdriver, analogue	FS2001	FS2003	FS2003
	Torque screwdriver, digital	FS2248	FS2248	FS2248
	Interchangeable blade	FS2012 (T8IP)	FS2014 (T15IP)	FS2015 (T20IP)
	Screwdriver	FS1483 (T8IP)	FS1485 (T15IP)	FS1486 (T20IP)

Indexable inserts

Designation	P HC					M HC			K HC		S HC	
	WKP25S	WKP35S	WSP45G	WSP45S	WXP40	WSP45G	WSP45S	WXP40	WKP25S	WKP35S	WSP45G	WSP45S
P2840S-1N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2840S-1N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2841S-1N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-1N-E57	☻	☺	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-1N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2840S-3N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2840S-3N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2841S-3N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-3N-E57	☻	☺	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-3N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2840S-5N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2840S-5N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2841S-5N-A57	☺	☹	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-5N-E57	☻	☺	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹
P2841S-5N-E67		☹	☹	☹	☹	☹	☹	☹		☹	☹	☹
P2840S-6N-A57		☹	☹			☹				☹	☹	
P2840S-6N-E67		☹	☹	☹		☹	☹			☹	☹	☹
P2841S-6N-A57	☺	☹	☹		☹	☹		☹	☺	☹	☹	
P2841S-6N-E57		☺	☹		☹	☹		☹		☹	☹	
P2841S-6N-E67		☹	☹		☹	☹		☹		☹	☹	
P2840S-7N-A57		☹	☹			☹				☹	☹	
P2840S-7N-E67		☹	☹	☹		☹	☹			☹	☹	☹
P2841S-7N-A57	☺	☹	☹		☹	☹		☹	☺	☹	☹	
P2841S-7N-E57		☹	☹		☹	☹		☹		☹	☹	
P2841S-7N-E67		☹	☹		☹	☹		☹		☹	☹	

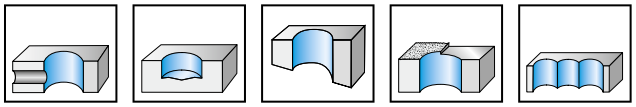
HC = Coated carbide
HW = Uncoated carbide

B1

Indexable insert drills

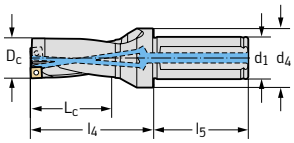
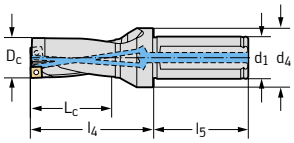
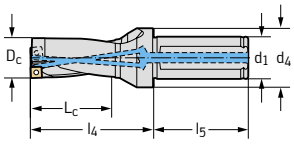
D4120.02 inch

2×Dc | Z=1



	P	M	K	N	S	H	O
D4120.02	●●	●●	●●	●●	●●		

B1

Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
Parallel shank with flat 	D4120.02-13.49F19-P41	0,531	1,062	1,849	2,031	0,750	1,125	0,009	1 1	P484 . P-1R- .. P484 . C-1R- ..
	D4120.02-13.89F19-P41	0,547	1,094	1,881	2,031	0,750	1,125	0,009	1 1	
	D4120.02-14.27F19-P41	0,562	1,124	1,911	2,031	0,750	1,125	0,009	1 1	
	D4120.02-14.68F19-P41	0,578	1,156	1,943	2,031	0,750	1,125	0,009	1 1	
	D4120.02-15.09F19-P41	0,594	1,188	1,975	2,031	0,750	1,125	0,009	1 1	
	D4120.02-15.47F19-P41	0,609	1,218	2,005	2,031	0,750	1,125	0,009	1 1	
	D4120.02-15.88F19-P41	0,625	1,250	2,037	2,031	0,750	1,125	0,010	1 1	
Parallel shank with flat 	D4120.02-16.66F26-P42	0,656	1,312	2,310	2,281	1,000	1,375	0,016	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120.02-17.04F26-P42	0,671	1,342	2,34	2,281	1,000	1,375	0,017	1 1	
	D4120.02-17.45F26-P42	0,687	1,374	2,37	2,281	1,000	1,375	0,014	1 1	
	D4120.02-17.86F26-P42	0,703	1,406	2,410	2,281	1,000	1,375	0,017	1 1	
	D4120.02-18.24F26-P42	0,718	1,436	2,44	2,281	1,000	1,375	0,017	1 1	
	D4120.02-19.05F26-P42	0,750	1,500	2,500	2,281	1,000	1,375	0,018	1 1	
	D4120.02-19.43F26-P42	0,765	1,530	2,530	2,281	1,000	1,375	0,017	1 1	
	D4120.02-19.84F26-P42	0,781	1,562	2,560	2,281	1,000	1,375	0,016	1 1	
Parallel shank with flat 	D4120.02-20.62F26-P43	0,812	1,624	2,62	2,281	1,000	1,375	0,002	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120.02-21.41F26-P43	0,843	1,686	2,69	2,281	1,000	1,375	0,018	1 1	
	D4120.02-22.23F31-P43	0,875	1,750	2,880	2,281	1,250	1,625	0,026	1 1	
	D4120.02-23.01F31-P43	0,906	1,812	2,94	2,281	1,250	1,625	0,026	1 1	
	D4120.02-23.39F31-P43	0,921	1,842	2,97	2,281	1,250	1,625	0,026	1 1	
	D4120.02-23.80F31-P43	0,937	1,874	3,000	2,281	1,250	1,625	0,026	1 1	

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

Assembly parts

D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
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_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
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)

B1

Indexable inserts

	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

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

HC = Coated carbide

Indexable inserts

	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

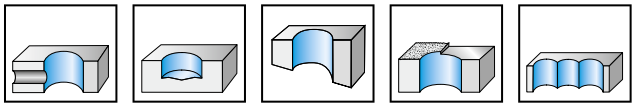
P48 . . C = Centre insert
P48 . . P = Outer insert

HC = Coated carbide

Indexable insert drills

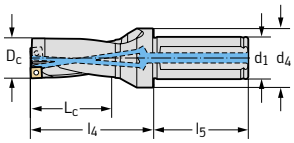
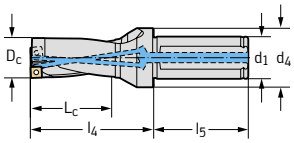
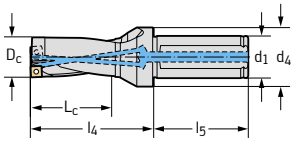
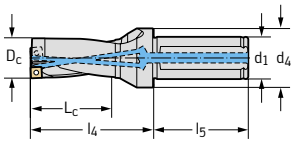
D4120.02 inch

B1



2×Dc | Z=1

	P	M	K	N	S	H	O
D4120.02	●●	●●	●●	●●	●●		

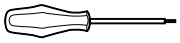
Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
Parallel shank with flat 	D4120.02-24.59F31-P44	0,968	1,936	3,07	2,281	1,250	1,625	0,028	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120.02-24.99F31-P44	0,984	1,968	3,100	2,281	1,250	1,625	0,028	1 1	
	D4120.02-25.40F31-P44	1,000	2,000	3,130	2,281	1,250	1,625	0,028	1 1	
	D4120.02-26.57F31-P44	1,046	2,092	3,22	2,281	1,250	1,625	0,028	1 1	
	D4120.02-26.97F31-P44	1,062	2,124	3,250	2,281	1,250	1,625	0,029	1 1	
	D4120.02-28.17F31-P44	1,109	2,218	3,350	2,281	1,250	1,625	0,030	1 1	
	D4120.02-28.58F31-P44	1,125	2,250	3,380	2,281	1,250	1,625	0,03	1 1	
Parallel shank with flat 	D4120.02-29.74F31-P45	1,171	2,342	3,47	2,281	1,250	1,625	0,03	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120.02-30.15F31-P45	1,187	2,374	3,500	2,281	1,250	1,625	0,031	1 1	
	D4120.02-31.75F31-P45	1,250	2,500	3,630	2,281	1,250	1,625	0,032	1 1	
	D4120.02-33.32F31-P45	1,312	2,624	3,750	2,281	1,250	1,625	0,034	1 1	
	D4120.02-34.11F31-P45	1,343	2,686	3,82	2,281	1,250	1,625	0,035	1 1	
	D4120.02-34.93F31-P45	1,375	2,750	3,880	2,281	1,250	1,625	0,036	1 1	
Parallel shank with flat 	D4120.02-36.09F31-P46	1,421	2,842	3,97	2,281	1,250	1,625	0,035	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120.02-36.50F38-P46	1,437	2,874	4,250	2,688	1,500	1,940	0,051	1 1	
	D4120.02-38.10F38-P46	1,500	3,000	4,380	2,688	1,500	1,940	0,054	1 1	
	D4120.02-39.67F38-P46	1,562	3,124	4,500	2,688	1,500	1,940	0,053	1 1	
	D4120.02-41.28F38-P46	1,625	3,250	4,630	2,688	1,500	1,940	0,055	1 1	
Parallel shank with flat 	D4120.02-42.85F38-P47	1,687	3,374	4,750	2,688	1,500	1,940	0,054	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120.02-44.45F38-P47	1,750	3,500	4,880	2,688	1,500	1,940	0,057	1 1	
	D4120.02-46.02F38-P47	1,812	3,624	5,000	2,688	1,500	1,940	0,059	1 1	
	D4120.02-47.63F38-P47	1,875	3,750	5,130	2,688	1,500	1,940	0,062	1 1	
	D4120.02-49.20F38-P47	1,937	3,874	5,250	2,688	1,500	1,940	0,066	1 1	

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

Assembly parts

	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	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_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	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	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

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

HC = Coated carbide

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

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

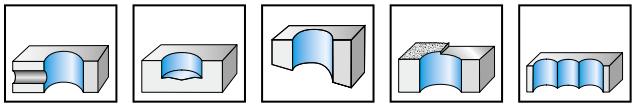
HC = Coated carbide

Indexable insert drills

D4120.02 inch

2×Dc | Z=1

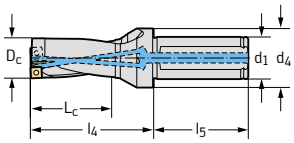
B1



	P	M	K	N	S	H	O
D4120.02	●●	●●	●●	●●	●●		

Tool

Parallel shank with flat



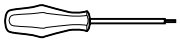
Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
D4120.02-50.80F51-P48	2,000	4,000	5,62	3,250	2,000	2,440	0,106	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120.02-52.37F51-P48	2,062	4,124	5,74	3,250	2,000	2,440	0,11	1 1	
D4120.02-53.98F51-P48	2,125	4,250	5,87	3,250	2,000	2,440	0,115	1 1	
D4120.02-55.55F51-P48	2,187	4,374	5,99	3,250	2,000	2,440	0,119	1 1	
D4120.02-57.15F51-P48	2,250	4,500	6,12	3,250	2,000	2,440	0,124	1 1	

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

Assembly parts

	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	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_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	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)

B1

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

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

HC = Coated carbide

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

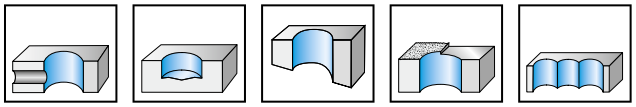
P48 . . C = Centre insert
P48 . . P = Outer insert

HC = Coated carbide

Indexable insert drills

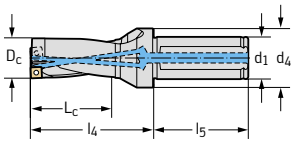
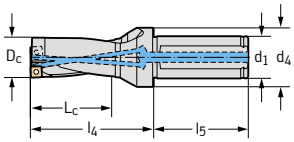
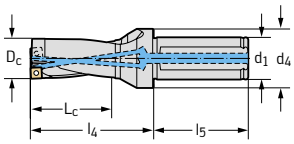
D4120-02 mm

2×Dc | Z=1



	P	M	K	N	S	H	O
D4120-02	●●	●●	●●	●●	●●		

B1

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-02-13.50F20-P41	13,5	27	47	50	20	25	0,23	1 1	P484 . P-1R- .. P484 . C-1R- ..
	D4120-02-14.00F20-P41	14	28	48	50	20	25	0,19	1 1	
	D4120-02-14.50F20-P41	14,5	29	49	50	20	25	0,24	1 1	
	D4120-02-15.00F20-P41	15	30	50	50	20	25	0,24	1 1	
	D4120-02-15.50F20-P41	15,5	31	51	50	20	25	0,23	1 1	
	D4120-02-16.00F25-P41	16	32	57	56	25	35	0,4	1 1	
Parallel shank with flat 	D4120-02-16.50F25-P42	16,5	33	58	56	25	35	0,41	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120-02-17.00F25-P42	17	34	59	56	25	35	0,41	1 1	
	D4120-02-17.50F25-P42	17,5	35	60	56	25	35	0,4	1 1	
	D4120-02-18.00F25-P42	18	36	61	56	25	35	0,42	1 1	
	D4120-02-18.50F25-P42	18,5	37	62	56	25	35	0,32	1 1	
	D4120-02-19.00F25-P42	19	38	63	56	25	35	0,42	1 1	
	D4120-02-19.50F25-P42	19,5	39	64	56	25	35	0,43	1 1	
	D4120-02-20.00F25-P42	20	40	65	56	25	35	0,43	1 1	
Parallel shank with flat 	D4120-02-20.50F25-P43	20,5	41	66	56	25	35	0,43	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120-02-21.00F25-P43	21	42	67	56	25	35	0,45	1 1	
	D4120-02-21.50F25-P43	21,5	43	68	56	25	35	0,44	1 1	
	D4120-02-22.00F25-P43	22	44	69	56	25	35	0,44	1 1	
	D4120-02-22.50F25-P43	22,5	45	70	56	25	35	0,45	1 1	
	D4120-02-23.00F25-P43	23	46	71	56	25	35	0,48	1 1	
	D4120-02-23.50F25-P43	23,5	47	72	56	25	35	0,46	1 1	
	D4120-02-24.00F25-P43	24	48	73	56	25	35	0,48	1 1	

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

Assembly parts

D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
Clamping screw for indexable insert Tightening torque	FS2120 (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_c [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)

B1

Indexable inserts

Designation	P HC WKP25S	P HC WKP35S	P HC WSP45	P HC WSP45G	P HC WXP40	M HC WSP45	M HC WSP45G	M HC WXP40	K HC WKP25S	K HC WKP35S	S HC WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

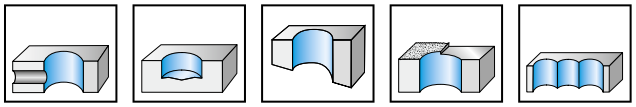
Designation	P HC WKP25S	P HC WKP35S	P HC WSP45	P HC WSP45G	P HC WXP40	M HC WSP45	M HC WSP45G	M HC WXP40	K HC WKP25S	K HC WKP35S	S HC WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

HC = Coated carbide

Indexable insert drills

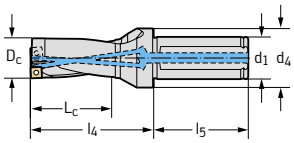
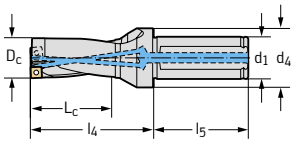
D4120-02 mm

2×Dc | Z=1



	P	M	K	N	S	H	O
D4120-02	●●	●●	●●	●●	●●		

B1

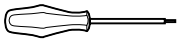
Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-02-24.50F25-P44	24,5	49	74	56	25	35	0,47	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120-02-25.00F25-P44	25	50	75	56	25	35	0,48	1 1	
	D4120-02-25.50F32-P44	25,5	51	83	60	32	42	0,76	1 1	
	D4120-02-26.00F32-P44	26	52	84	60	32	42	0,72	1 1	
	D4120-02-26.50F32-P44	26,5	53	85	60	32	42	0,78	1 1	
	D4120-02-27.00F32-P44	27	54	86	60	32	42	0,77	1 1	
	D4120-02-27.50F32-P44	27,5	55	87	60	32	42	0,8	1 1	
	D4120-02-28.00F32-P44	28	56	88	60	32	42	0,81	1 1	
	D4120-02-28.50F32-P44	28,5	57	89	60	32	42	0,74	1 1	
	D4120-02-29.00F32-P44	29	58	90	60	32	42	0,81	1 1	
Parallel shank with flat 	D4120-02-29.50F32-P45	29,5	59	91	60	32	42	0,83	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120-02-30.00F32-P45	30	60	92	60	32	42	0,84	1 1	
	D4120-02-31.00F32-P45	31	62	94	60	32	42	0,87	1 1	
	D4120-02-32.00F32-P45	32	64	96	60	32	42	0,82	1 1	
	D4120-02-33.00F32-P45	33	66	98	60	32	42	0,91	1 1	
	D4120-02-34.00F32-P45	34	68	100	60	32	42	0,94	1 1	
	D4120-02-35.00F32-P45	35	70	102	60	32	42	0,97	1 1	

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

Assembly parts

	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (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_c [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	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹

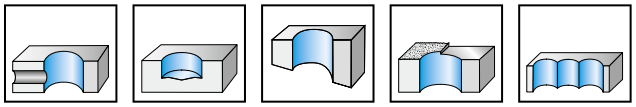
HC = Coated carbide

Indexable insert drills

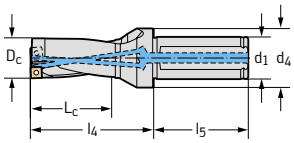
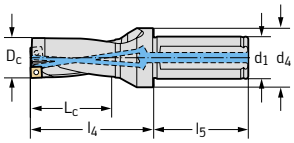
D4120-02 mm

2×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120-02	●●	●●	●●	●●	●●		

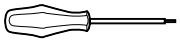
Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-02-36.00F32-P46	36	72	104	60	32	42	0,96	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120-02-37.00F40-P46	37	74	114	70	40	50	1,48	1 1	
	D4120-02-38.00F40-P46	38	76	116	70	40	50	1,52	1 1	
	D4120-02-39.00F40-P46	39	78	118	70	40	50	1,55	1 1	
	D4120-02-40.00F40-P46	40	80	120	70	40	50	1,45	1 1	
	D4120-02-41.00F40-P46	41	82	122	70	40	50	1,64	1 1	
	D4120-02-42.00F40-P46	42	84	124	70	40	50	1,67	1 1	
Parallel shank with flat 	D4120-02-43.00F40-P47	43	86	126	70	40	50	1,67	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120-02-44.00F40-P47	44	88	128	70	40	50	1,71	1 1	
	D4120-02-45.00F40-P47	45	90	130	70	40	50	1,76	1 1	
	D4120-02-46.00F40-P47	46	92	132	70	40	50	1,81	1 1	
	D4120-02-47.00F40-P47	47	94	134	70	40	50	1,84	1 1	
	D4120-02-48.00F40-P47	48	96	136	70	40	50	1,91	1 1	
	D4120-02-49.00F40-P47	49	98	138	70	40	50	1,9	1 1	
	D4120-02-50.00F40-P47	50	100	140	70	40	50	2,01	1 1	

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

Assembly parts

	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (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_c [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	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

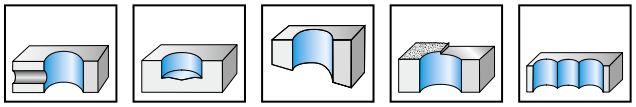
HC = Coated carbide

Indexable insert drills

D4120-02 mm

2×D_c | Z=1

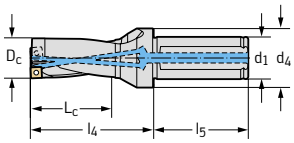
B1



	P	M	K	N	S	H	O
D4120-02	●●	●●	●●	●●	●●		

Tool

Parallel shank with flat



Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
D4120-02-51.00F40-P48	51	102	142	70	40	50	2,09	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120-02-52.00F40-P48	52	104	144	70	40	50	2,04	1 1	
D4120-02-53.00F40-P48	53	106	146	70	40	50	2,21	1 1	
D4120-02-54.00F40-P48	54	108	148	70	40	50	2,28	1 1	
D4120-02-55.00F40-P48	55	110	150	70	40	50	2,35	1 1	
D4120-02-56.00F40-P48	56	112	152	70	40	50	2,42	1 1	
D4120-02-57.00F40-P48	57	114	154	70	40	50	2,5	1 1	
D4120-02-58.00F40-P48	58	116	156	70	40	50	2,57	1 1	
D4120-02-59.00F40-P48	59	118	158	70	40	50	2,65	1 1	

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

Assembly parts

D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
Clamping screw for indexable insert 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_c [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)

B1

Indexable inserts

	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

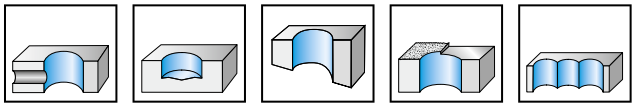
	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

HC = Coated carbide

Indexable insert drills

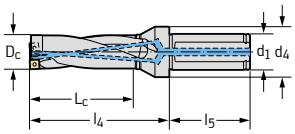
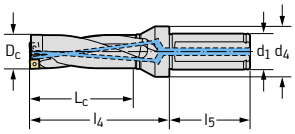
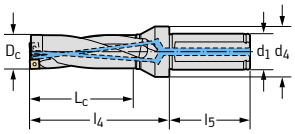
D4120.03 inch

3×Dc | Z=1



	P	M	K	N	S	H	O
D4120.03	●●	●●	●●	●●	●●		

B1

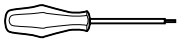
Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
Parallel shank with flat 	D4120.03-13.49F19-P41	0,531	1,593	2,380	2,031	0,750	1,125	0,007	1 1	P484 . P-1R- .. P484 . C-1R- ..
	D4120.03-13.89F19-P41	0,547	1,641	2,428	2,031	0,750	1,125	0,007	1 1	
	D4120.03-14.27F19-P41	0,562	1,686	2,473	2,031	0,750	1,125	0,009	1 1	
	D4120.03-14.68F19-P41	0,578	1,734	2,521	2,031	0,750	1,125	0,010	1 1	
	D4120.03-15.09F19-P41	0,594	1,782	2,569	2,031	0,750	1,125	0,008	1 1	
	D4120.03-15.47F19-P41	0,609	1,827	2,614	2,031	0,750	1,125	0,008	1 1	
	D4120.03-15.88F19-P41	0,625	1,875	2,662	2,031	0,750	1,125	0,01	1 1	
Parallel shank with flat 	D4120.03-16.66F26-P42	0,656	1,968	2,97	2,281	1,000	1,375	0,017	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120.03-17.04F26-P42	0,671	2,013	3,010	2,281	1,000	1,375	0,016	1 1	
	D4120.03-17.45F26-P42	0,687	2,061	3,060	2,281	1,000	1,375	0,016	1 1	
	D4120.03-17.86F26-P42	0,703	2,109	3,110	2,281	1,000	1,375	0,016	1 1	
	D4120.03-18.24F26-P42	0,718	2,154	3,150	2,281	1,000	1,375	0,017	1 1	
	D4120.03-19.05F26-P42	0,750	2,250	3,250	2,281	1,000	1,375	0,018	1 1	
	D4120.03-19.43F26-P42	0,765	2,295	3,300	2,281	1,000	1,375	0,017	1 1	
	D4120.03-19.84F26-P42	0,781	2,343	3,34	2,281	1,000	1,375	0,019	1 1	
Parallel shank with flat 	D4120.03-20.62F26-P43	0,812	2,436	3,44	2,281	1,000	1,375	0,019	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120.03-21.41F26-P43	0,843	2,529	3,530	2,281	1,000	1,375	0,019	1 1	
	D4120.03-22.23F31-P43	0,875	2,625	3,760	2,281	1,250	1,625	0,028	1 1	
	D4120.03-23.01F31-P43	0,906	2,718	3,850	2,281	1,250	1,625	0,028	1 1	
	D4120.03-23.39F31-P43	0,921	2,763	3,89	2,281	1,250	1,625	0,027	1 1	
	D4120.03-23.80F31-P43	0,937	2,811	3,94	2,281	1,250	1,625	0,027	1 1	

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

Assembly parts

	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	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_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	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)

B1

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

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

HC = Coated carbide

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

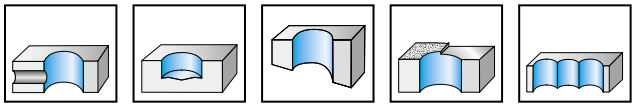
P48 . . C = Centre insert
P48 . . P = Outer insert

HC = Coated carbide

Indexable insert drills

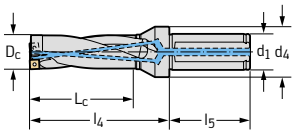
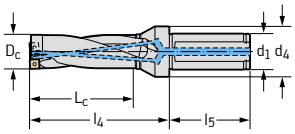
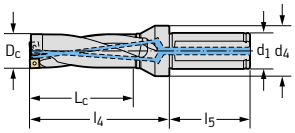
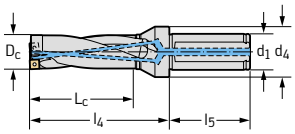
D4120.03 inch

3×Dc | Z=1



B1

	P	M	K	N	S	H	O
D4120.03	●●	●●	●●	●●	●●		

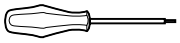
Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
Parallel shank with flat 	D4120.03-24.59F31-P44	0,968	2,904	4,030	2,281	1,250	1,625	0,026	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120.03-24.99F31-P44	0,984	2,952	4,080	2,281	1,250	1,625	0,027	1 1	
	D4120.03-25.40F31-P44	1,000	3,000	4,130	2,281	1,250	1,625	0,030	1 1	
	D4120.03-26.57F31-P44	1,046	3,138	4,27	2,281	1,250	1,625	0,028	1 1	
	D4120.03-26.97F31-P44	1,062	3,186	4,32	2,281	1,250	1,625	0,031	1 1	
	D4120.03-28.17F31-P44	1,109	3,327	4,460	2,281	1,250	1,625	0,031	1 1	
	D4120.03-28.58F31-P44	1,125	3,375	4,510	2,281	1,250	1,625	0,033	1 1	
Parallel shank with flat 	D4120.03-29.74F31-P45	1,171	3,513	4,64	2,281	1,250	1,625	0,031	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120.03-30.15F31-P45	1,187	3,561	4,69	2,281	1,250	1,625	0,033	1 1	
	D4120.03-31.75F31-P45	1,250	3,750	4,880	2,281	1,250	1,625	0,037	1 1	
	D4120.03-33.32F31-P45	1,312	3,936	5,07	2,281	1,250	1,625	0,039	1 1	
	D4120.03-34.11F31-P45	1,343	4,029	5,160	2,281	1,250	1,625	0,039	1 1	
	D4120.03-34.93F31-P45	1,375	4,125	5,260	2,281	1,250	1,625	0,042	1 1	
Parallel shank with flat 	D4120.03-36.09F31-P46	1,421	4,263	5,39	2,281	1,250	1,625	0,041	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120.03-36.50F38-P46	1,437	4,311	5,69	2,688	1,500	1,940	0,055	1 1	
	D4120.03-38.10F38-P46	1,500	4,500	5,880	2,688	1,500	1,940	0,06	1 1	
	D4120.03-39.67F38-P46	1,562	4,686	6,07	2,688	1,500	1,940	0,062	1 1	
	D4120.03-41.28F38-P46	1,625	4,875	6,260	2,688	1,500	1,940	0,069	1 1	
Parallel shank with flat 	D4120.03-42.85F38-P47	1,687	5,061	6,44	2,688	1,500	1,940	0,066	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120.03-44.45F38-P47	1,750	5,250	6,630	2,688	1,500	1,940	0,070	1 1	
	D4120.03-46.02F38-P47	1,812	5,436	6,82	2,688	1,500	1,940	0,074	1 1	
	D4120.03-47.63F38-P47	1,875	5,625	7,010	2,688	1,500	1,940	0,079	1 1	
	D4120.03-49.20F38-P47	1,937	5,811	7,19	2,688	1,500	1,940	0,084	1 1	

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

Assembly parts

	D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	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_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	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)

B1

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

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

HC = Coated carbide

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

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

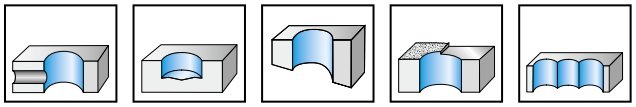
HC = Coated carbide

Indexable insert drills

D4120.03 inch

3×D_c | Z=1

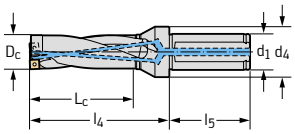
B1



	P	M	K	N	S	H	O
D4120.03	●●	●●	●●	●●	●●		

Tool

Parallel shank with flat



Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
D4120.03-50.80F51-P48	2,000	6,000	7,62	3,250	2,000	2,440	0,125	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120.03-52.37F51-P48	2,062	6,186	7,810	3,250	2,000	2,440	0,131	1 1	
D4120.03-53.98F51-P48	2,125	6,375	8,000	3,250	2,000	2,440	0,137	1 1	
D4120.03-55.55F51-P48	2,187	6,561	8,180	3,250	2,000	2,440	0,144	1 1	
D4120.03-57.15F51-P48	2,250	6,750	8,37	3,250	2,000	2,440	0,152	1 1	

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

Assembly parts

D_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
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_c [mm]	0,53–0,62	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
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	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

P48 . . C = Centre insert
P48 . . P = Outer insert
HC = Coated carbide

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

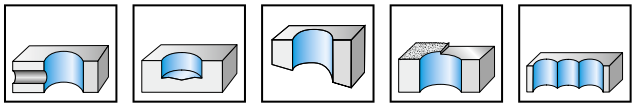
P48 . . C = Centre insert
P48 . . P = Outer insert
HC = Coated carbide

Indexable insert drills

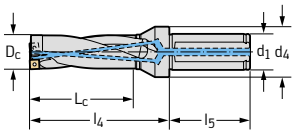
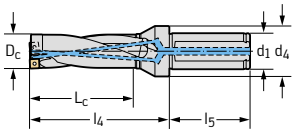
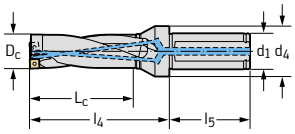
D4120-03 mm

3×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120-03	●●	●●	●●	●●	●●		

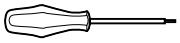
Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-03-13.50F20-P41	13,5	40,5	60,5	50	20	25	0,16	1 1	P484 . P-1R- .. P484 . C-1R- ..
	D4120-03-14.00F20-P41	14	42	62	50	20	25	0,17	1 1	
	D4120-03-14.50F20-P41	14,5	43,5	63,5	50	20	25	0,24	1 1	
	D4120-03-15.00F20-P41	15	45	65	50	20	25	0,2	1 1	
	D4120-03-15.50F20-P41	15,5	46,5	66,5	50	20	25	0,25	1 1	
	D4120-03-16.00F25-P41	16	48	73	56	25	35	0,38	1 1	
Parallel shank with flat 	D4120-03-16.50F25-P42	16,5	49,5	75	56	25	35	0,42	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	0,43	1 1	
	D4120-03-18.00F25-P42	18	54	79	56	25	35	0,44	1 1	
	D4120-03-18.50F25-P42	18,5	55,5	80,5	56	25	35	0,39	1 1	
	D4120-03-19.00F25-P42	19	57	82	56	25	35	0,45	1 1	
	D4120-03-19.50F25-P42	19,5	58,5	84	56	25	35	0,46	1 1	
	D4120-03-20.00F25-P42	20	60	85	56	25	35	0,46	1 1	
Parallel shank with flat 	D4120-03-20.50F25-P43	20,5	61,5	87	56	25	35	0,45	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120-03-21.00F25-P43	21	63	88	56	25	35	0,39	1 1	
	D4120-03-21.50F25-P43	21,5	64,5	90	56	25	35	0,48	1 1	
	D4120-03-22.00F25-P43	22	66	91	56	25	35	0,48	1 1	
	D4120-03-22.50F25-P43	22,5	67,5	93	56	25	35	0,49	1 1	
	D4120-03-23.00F25-P43	23	69	94	56	25	35	0,52	1 1	
	D4120-03-23.50F25-P43	23,5	70,5	96	56	25	35	0,51	1 1	
	D4120-03-24.00F25-P43	24	72	97	56	25	35	0,52	1 1	

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

Assembly parts

	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	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_c [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	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

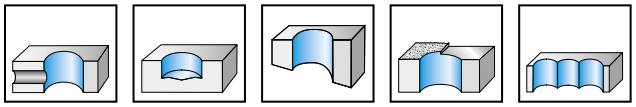
HC = Coated carbide

Indexable insert drills

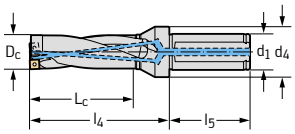
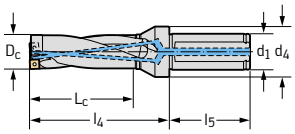
D4120-03 mm

3×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120-03	●●	●●	●●	●●	●●		

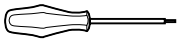
Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-03-24.50F25-P44	24,5	73,5	99	56	25	35	0,52	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120-03-25.00F25-P44	25	75	100	56	25	35	0,43	1 1	
	D4120-03-25.50F32-P44	25,5	76,5	109	60	32	42	0,83	1 1	
	D4120-03-26.00F32-P44	26	78	110	60	32	42	0,84	1 1	
	D4120-03-26.50F32-P44	26,5	79,5	112	60	32	42	0,84	1 1	
	D4120-03-27.00F32-P44	27	81	113	60	32	42	0,85	1 1	
	D4120-03-27.50F32-P44	27,5	82,5	115	60	32	42	0,87	1 1	
	D4120-03-28.00F32-P44	28	84	116	60	32	42	0,89	1 1	
	D4120-03-28.50F32-P44	28,5	85,5	118	60	32	42	0,91	1 1	
	D4120-03-29.00F32-P44	29	87	119	60	32	42	0,92	1 1	
Parallel shank with flat 	D4120-03-29.50F32-P45	29,5	88,5	121	60	32	42	0,93	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120-03-30.00F32-P45	30	90	122	60	32	42	0,94	1 1	
	D4120-03-31.00F32-P45	31	93	125	60	32	42	0,95	1 1	
	D4120-03-32.00F32-P45	32	96	128	60	32	42	1	1 1	
	D4120-03-33.00F32-P45	33	99	131	60	32	42	1,03	1 1	
	D4120-03-34.00F32-P45	34	102	134	60	32	42	1,07	1 1	
	D4120-03-35.00F32-P45	35	105	137	60	32	42	1,12	1 1	

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

Assembly parts

	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (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_c [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

		P					M			K		S
		HC					HC			HC		HC
	Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
	P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
	P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
	P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
	P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
	P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
	P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
	P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
	P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

		P					M			K		S
		HC					HC			HC		HC
	Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
	P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

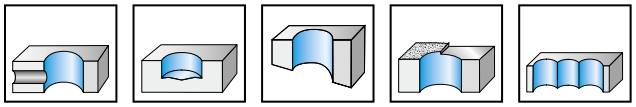
HC = Coated carbide

Indexable insert drills

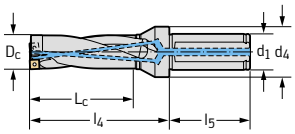
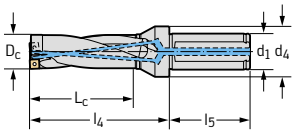
D4120-03 mm

3×D_c | Z=1

B1



	P	M	K	N	S	H	O
D4120-03	●●	●●	●●	●●	●●		

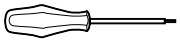
Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-03-36.00F32-P46	36	108	140	60	32	42	1,02	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120-03-37.00F40-P46	37	111	151	70	40	50	1,68	1 1	
	D4120-03-38.00F40-P46	38	114	154	70	40	50	1,17	1 1	
	D4120-03-39.00F40-P46	39	117	157	70	40	50	1,76	1 1	
	D4120-03-40.00F40-P46	40	120	160	70	40	50	1,82	1 1	
	D4120-03-41.00F40-P46	41	123	163	70	40	50	1,88	1 1	
	D4120-03-42.00F40-P46	42	126	166	70	40	50	1,94	1 1	
Parallel shank with flat 	D4120-03-43.00F40-P47	43	129	169	70	40	50	1,98	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120-03-44.00F40-P47	44	132	172	70	40	50	2,03	1 1	
	D4120-03-45.00F40-P47	45	135	175	70	40	50	2,11	1 1	
	D4120-03-46.00F40-P47	46	138	178	70	40	50	2,17	1 1	
	D4120-03-47.00F40-P47	47	141	181	70	40	50	2,25	1 1	
	D4120-03-48.00F40-P47	48	144	184	70	40	50	2,34	1 1	
	D4120-03-49.00F40-P47	49	147	187	70	40	50	2,41	1 1	
	D4120-03-50.00F40-P47	50	150	190	70	40	50	2,5	1 1	

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

Assembly parts

	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2120 (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_c [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	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

Designation	P HC					M HC			K HC		S HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

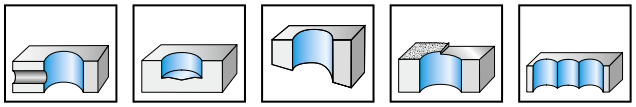
HC = Coated carbide

Indexable insert drills

D4120-03 mm

3×D_c | Z=1

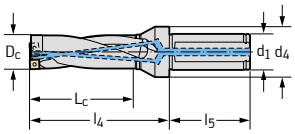
B1



	P	M	K	N	S	H	O
D4120-03	●●	●●	●●	●●	●●		

Tool

Parallel shank with flat



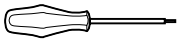
Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
D4120-03-51.00F40-P48	51	153	193	70	40	50	2,53	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120-03-52.00F40-P48	52	156	196	70	40	50	2,6	1 1	
D4120-03-53.00F40-P48	53	159	199	70	40	50	2,7	1 1	
D4120-03-54.00F40-P48	54	162	202	70	40	50	2,8	1 1	
D4120-03-55.00F40-P48	55	165	205	70	40	50	2,9	1 1	
D4120-03-56.00F40-P48	56	168	208	70	40	50	3	1 1	
D4120-03-57.00F40-P48	57	171	211	70	40	50	3,12	1 1	
D4120-03-58.00F40-P48	58	174	214	70	40	50	3,23	1 1	
D4120-03-59.00F40-P48	59	177	217	70	40	50	3,36	1 1	

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

Assembly parts

	D_c [mm]	13,5–16	16,5–20	20,5–24	24,5–29	29,5–35	36–42	43–59
	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_c [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)

B1

Indexable inserts

Designation	P HC WKP25S	P HC WKP35S	P HC WSP45	P HC WSP45G	P HC WXP40	M HC WSP45	M HC WSP45G	M HC WXP40	K HC WKP25S	K HC WKP35S	S HC WSP45G
P4840C-1R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-1R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

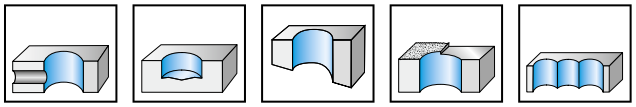
Designation	P HC WKP25S	P HC WKP35S	P HC WSP45	P HC WSP45G	P HC WXP40	M HC WSP45	M HC WSP45G	M HC WXP40	K HC WKP25S	K HC WKP35S	S HC WSP45G
P4840P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-1R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-1R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

HC = Coated carbide

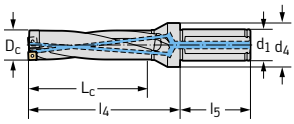
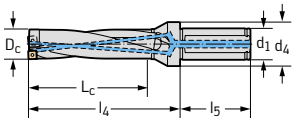
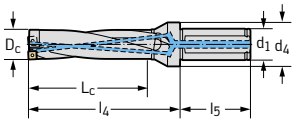
Indexable insert drills

D4120.04 inch

4×D_c | Z=1



	P	M	K	N	S	H	O
D4120.04	●●	●	●●	●●	●		

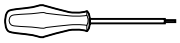
Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
Parallel shank with flat 	D4120.04-16.66F26-P42	0,656	2,624	3,62	2,281	1,000	1,375	0,016	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120.04-17.04F26-P42	0,671	2,684	3,680	2,281	1,000	1,375	0,017	1 1	
	D4120.04-17.45F26-P42	0,687	2,748	3,750	2,281	1,000	1,375	0,017	1 1	
	D4120.04-17.86F26-P42	0,703	2,812	3,810	2,281	1,000	1,375	0,017	1 1	
	D4120.04-18.24F26-P42	0,718	2,872	3,87	2,281	1,000	1,375	0,017	1 1	
	D4120.04-19.05F26-P42	0,750	3,000	4,000	2,281	1,000	1,375	0,018	1 1	
	D4120.04-19.43F26-P42	0,765	3,060	4,060	2,281	1,000	1,375	0,018	1 1	
	D4120.04-19.84F26-P42	0,781	3,124	4,12	2,281	1,000	1,375	0,018	1 1	
Parallel shank with flat 	D4120.04-20.62F26-P43	0,812	3,248	4,250	2,281	1,000	1,375	0,019	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120.04-21.41F26-P43	0,843	3,372	4,37	2,281	1,000	1,375	0,019	1 1	
	D4120.04-22.23F31-P43	0,875	3,500	4,630	2,281	1,250	1,625	0,030	1 1	
	D4120.04-23.01F31-P43	0,906	3,624	4,750	2,281	1,250	1,625	0,029	1 1	
	D4120.04-23.39F31-P43	0,921	3,684	4,810	2,281	1,250	1,625	0,027	1 1	
	D4120.04-23.80F31-P43	0,937	3,748	4,880	2,281	1,250	1,625	0,031	1 1	
Parallel shank with flat 	D4120.04-24.59F31-P44	0,968	3,872	5,000	2,281	1,250	1,625	0,028	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120.04-24.99F31-P44	0,984	3,936	5,07	2,281	1,250	1,625	0,032	1 1	
	D4120.04-25.40F31-P44	1,000	4,000	5,130	2,281	1,250	1,625	0,032	1 1	
	D4120.04-26.57F31-P44	1,046	4,184	5,310	2,281	1,250	1,625	0,031	1 1	
	D4120.04-26.97F31-P44	1,062	4,248	5,380	2,281	1,250	1,625	0,034	1 1	
	D4120.04-28.17F31-P44	1,109	4,436	5,57	2,281	1,250	1,625	0,034	1 1	
	D4120.04-28.58F31-P44	1,125	4,500	5,630	2,281	1,250	1,625	0,035	1 1	

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

Assembly parts

	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	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

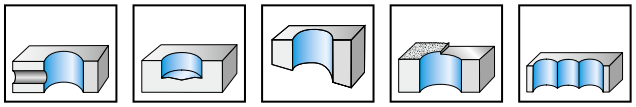
Accessories

	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	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 insert drills

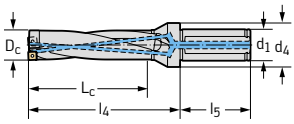
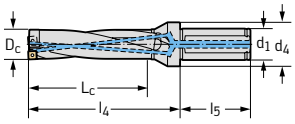
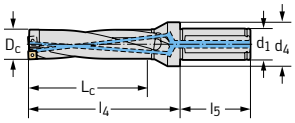
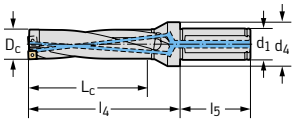
D4120.04 inch

4×Dc | Z=1



	P	M	K	N	S	H	O
D4120.04	●●	●	●●	●●	●		

B1

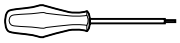
Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
Parallel shank with flat 	D4120.04-29.74F31-P45	1,171	4,684	5,810	2,281	1,250	1,625	0,036	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120.04-30.15F31-P45	1,187	4,748	5,880	2,281	1,250	1,625	0,039	1 1	
	D4120.04-31.75F31-P45	1,250	5,000	6,130	2,281	1,250	1,625	0,041	1 1	
	D4120.04-33.32F31-P45	1,312	5,248	6,380	2,281	1,250	1,625	0,043	1 1	
	D4120.04-34.11F31-P45	1,343	5,372	6,496	2,281	1,250	1,625	0,042	1 1	
	D4120.04-34.93F31-P45	1,375	5,500	6,630	2,281	1,250	1,625	0,048	1 1	
Parallel shank with flat 	D4120.04-36.09F31-P46	1,421	5,684	6,810	2,281	1,250	1,625	0,043	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120.04-36.50F38-P46	1,437	5,748	7,130	2,688	1,500	1,940	0,059	1 1	
	D4120.04-38.10F38-P46	1,500	6,000	7,380	2,688	1,500	1,940	0,066	1 1	
	D4120.04-39.67F38-P46	1,562	6,248	7,630	2,688	1,500	1,940	0,07	1 1	
	D4120.04-41.28F38-P46	1,625	6,500	7,880	2,688	1,500	1,940	0,072	1 1	
Parallel shank with flat 	D4120.04-42.85F38-P47	1,687	6,748	8,128	2,688	1,500	1,940	0,076	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120.04-44.45F38-P47	1,750	7,000	8,380	2,688	1,500	1,940	0,081	1 1	
	D4120.04-46.02F38-P47	1,812	7,248	8,628	2,688	1,500	1,940	0,087	1 1	
	D4120.04-47.63F38-P47	1,875	7,500	8,880	2,688	1,500	1,940	0,093	1 1	
	D4120.04-49.20F38-P47	1,937	7,748	9,128	2,688	1,500	1,940	0,1	1 1	
Parallel shank with flat 	D4120.04-50.80F51-P48	2,000	8,000	9,62	3,250	2,000	2,440	0,145	1 1	P484 . P-8R- .. P484 . C-8R- ..
	D4120.04-52.37F51-P48	2,062	8,248	9,868	3,250	2,000	2,440	0,153	1 1	
	D4120.04-53.98F51-P48	2,125	8,500	10,12	3,250	2,000	2,440	0,168	1 1	
	D4120.04-55.55F51-P48	2,187	8,748	10,368	3,250	2,000	2,440	0,171	1 1	
	D4120.04-57.15F51-P48	2,250	9,000	10,62	3,250	2,000	2,440	0,18	1 1	

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

Assembly parts

	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	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

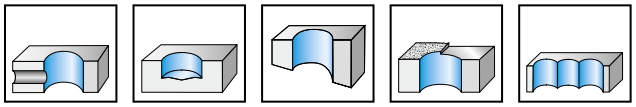
Accessories

	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	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 insert drills

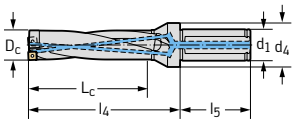
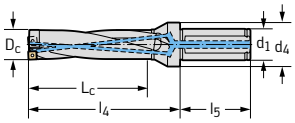
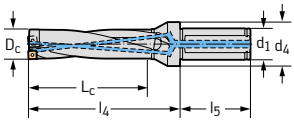
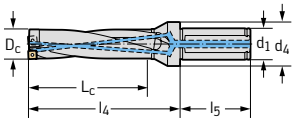
D4120-04 mm

4×D_c | Z=1



	P	M	K	N	S	H	O
D4120-04	●●	●	●●	●●	●		

B1

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-04-17.00F25-P42	17	68	93	56	25	35	0,45	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120-04-18.00F25-P42	18	72	97	56	25	35	0,46	1 1	
	D4120-04-19.00F25-P42	19	76	101	56	25	35	0,47	1 1	
	D4120-04-20.00F25-P42	20	80	105	56	25	35	0,49	1 1	
Parallel shank with flat 	D4120-04-21.00F25-P43	21	84	109	56	25	35	0,49	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120-04-22.00F25-P43	22	88	113	56	25	35	0,53	1 1	
	D4120-04-23.00F25-P43	23	92	117	56	25	35	0,55	1 1	
	D4120-04-24.00F25-P43	24	96	121	56	25	35	0,57	1 1	
Parallel shank with flat 	D4120-04-25.00F25-P44	25	100	125	56	25	35	0,58	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120-04-26.00F32-P44	26	104	136	60	32	42	0,89	1 1	
	D4120-04-27.00F32-P44	27	108	140	60	32	42	0,93	1 1	
	D4120-04-28.00F32-P44	28	112	144	60	32	42	0,96	1 1	
	D4120-04-29.00F32-P44	29	116	148	60	32	42	1	1 1	
Parallel shank with flat 	D4120-04-30.00F32-P45	30	120	152	60	32	42	1,02	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120-04-31.00F32-P45	31	124	156	60	32	42	1,07	1 1	
	D4120-04-32.00F32-P45	32	128	160	60	32	42	1,1	1 1	
	D4120-04-33.00F32-P45	33	132	164	60	32	42	1,17	1 1	
	D4120-04-34.00F32-P45	34	136	168	60	32	42	1,18	1 1	
	D4120-04-35.00F32-P45	35	140	172	60	32	42	1,28	1 1	

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

Assembly parts

D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
Clamping screw for indexable insert 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_c [mm]	17–20	21–24	25–29	30–42	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)

B1

Indexable inserts

	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

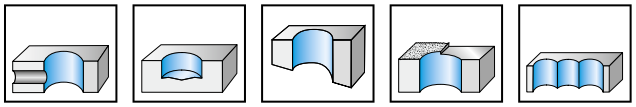
HC = Coated carbide

Indexable insert drills

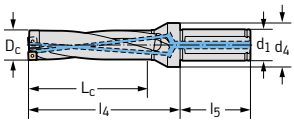
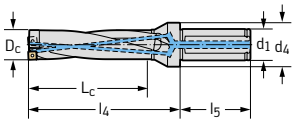
D4120-04 mm

4×D_c | Z=1

B1



	P	M	K	N	S	H	O
D4120-04	●●	●	●●	●●	●		

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-04-36.00F32-P46	36	144	176	60	32	42	1,26	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120-04-37.00F40-P46	37	148	188	70	40	50	1,82	1 1	
	D4120-04-38.00F40-P46	38	152	192	70	40	50	1,19	1 1	
	D4120-04-39.00F40-P46	39	156	196	70	40	50	1,96	1 1	
	D4120-04-40.00F40-P46	40	160	200	70	40	50	2,04	1 1	
	D4120-04-41.00F40-P46	41	164	204	70	40	50	2,21	1 1	
	D4120-04-42.00F40-P46	42	168	208	70	40	50	2,2	1 1	
Parallel shank with flat 	D4120-04-43.00F40-P47	43	172	212	70	40	50	2,23	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120-04-44.00F40-P47	44	176	216	70	40	50	2,32	1 1	
	D4120-04-45.00F40-P47	45	180	220	70	40	50	2,4	1 1	
	D4120-04-46.00F40-P47	46	184	224	70	40	50	2,5	1 1	
	D4120-04-47.00F40-P47	47	188	228	70	40	50	2,62	1 1	
	D4120-04-48.00F40-P47	48	192	232	70	40	50	2,7	1 1	
	D4120-04-49.00F40-P47	49	196	236	70	40	50	2,84	1 1	
	D4120-04-50.00F40-P47	50	200	240	70	40	50	2,95	1 1	

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

Assembly parts

D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
Clamping screw for indexable insert Tightening torque	FS2111 (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_c [mm]	17–20	21–24	25–29	30–42	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)

B1

Indexable inserts

	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

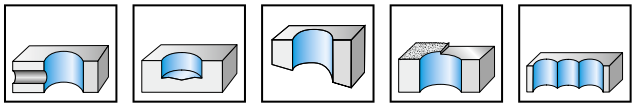
	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

HC = Coated carbide

Indexable insert drills

D4120-04 mm

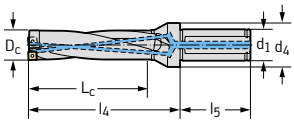
4×D_c | Z=1



	P	M	K	N	S	H	O
D4120-04	●●	●	●●	●●	●		

Tool

Parallel shank with flat



Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
D4120-04-51.00F40-P48	51	204	244	70	40	50	2,98	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120-04-52.00F40-P48	52	208	248	70	40	50	3,11	1 1	
D4120-04-53.00F40-P48	53	212	252	70	40	50	3,25	1 1	
D4120-04-54.00F40-P48	54	216	256	70	40	50	3,32	1 1	
D4120-04-55.00F40-P48	55	220	260	70	40	50	3,44	1 1	
D4120-04-56.00F40-P48	56	224	264	70	40	50	3,6	1 1	
D4120-04-57.00F40-P48	57	228	268	70	40	50	3,8	1 1	
D4120-04-58.00F40-P48	58	232	272	70	40	50	3,97	1 1	
D4120-04-59.00F40-P48	59	236	276	70	40	50	4,09	1 1	

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

Assembly parts

D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
Clamping screw for indexable insert Tightening torque	FS2111 (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_c [mm]	17–20	21–24	25–29	30–42	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)

B1

Indexable inserts

Designation	P					M			K		S
		HC					HC			HC	HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

Designation	P					M			K		S
		HC					HC			HC	HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-2R-A57	☺	☹	☹	☹		☹	☹		☺	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

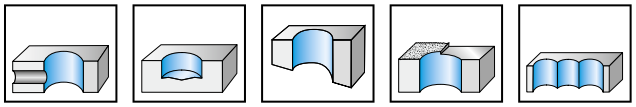
HC = Coated carbide

Indexable insert drills

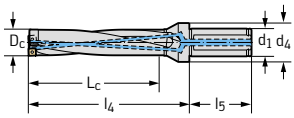
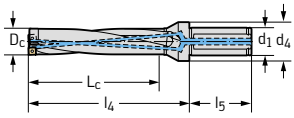
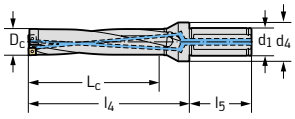
D4120.05 inch

5×Dc | Z=1

B1



	P	M	K	N	S	H	O
D4120.05	●●		●●	●●			

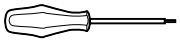
Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
Parallel shank with flat 	D4120.05-16.66F26-P42	0,656	3,280	4,280	2,281	1,000	1,375	0,018	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120.05-17.04F26-P42	0,671	3,355	4,355	2,281	1,000	1,375	0,019	1 1	
	D4120.05-17.45F26-P42	0,687	3,435	4,435	2,281	1,000	1,375	0,019	1 1	
	D4120.05-17.86F26-P42	0,703	3,515	4,515	2,281	1,000	1,375	0,019	1 1	
	D4120.05-18.24F26-P42	0,718	3,590	4,59	2,281	1,000	1,375	0,020	1 1	
	D4120.05-19.05F26-P42	0,750	3,750	4,750	2,281	1,000	1,375	0,021	1 1	
	D4120.05-19.43F26-P42	0,765	3,825	4,825	2,281	1,000	1,375	0,020	1 1	
	D4120.05-19.84F26-P42	0,781	3,905	4,905	2,281	1,000	1,375	0,02	1 1	
Parallel shank with flat 	D4120.05-20.62F26-P43	0,812	4,06	5,060	2,281	1,000	1,375	0,021	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120.05-21.41F26-P43	0,843	4,215	5,215	2,281	1,000	1,375	0,022	1 1	
	D4120.05-22.23F31-P43	0,875	4,375	5,505	2,281	1,250	1,625	0,031	1 1	
	D4120.05-23.01F31-P43	0,906	4,530	5,660	2,281	1,250	1,625	0,032	1 1	
	D4120.05-23.39F31-P43	0,921	4,605	5,735	2,281	1,250	1,625	0,032	1 1	
	D4120.05-23.80F31-P43	0,937	4,685	5,815	2,281	1,250	1,625	0,033	1 1	
Parallel shank with flat 	D4120.05-24.59F31-P44	0,968	4,840	5,97	2,281	1,250	1,625	0,033	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120.05-24.99F31-P44	0,984	4,92	6,050	2,281	1,250	1,625	0,035	1 1	
	D4120.05-25.40F31-P44	1,000	5,000	6,130	2,362	1,250	1,625	0,035	1 1	
	D4120.05-26.57F31-P44	1,046	5,230	6,360	2,281	1,250	1,625	0,037	1 1	
	D4120.05-26.97F31-P44	1,062	5,31	6,44	2,281	1,250	1,625	0,037	1 1	
	D4120.05-28.17F31-P44	1,109	5,545	6,675	2,281	1,250	1,625	0,040	1 1	
	D4120.05-28.58F31-P44	1,125	5,625	6,755	2,281	1,250	1,625	0,040	1 1	

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

Assembly parts

	D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
	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_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
	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	P HC WKP25S	P HC WKP35S	P HC WSP45	P HC WSP45G	P HC WXP40	M HC WSP45	M HC WSP45G	M HC WXP40	K HC WKP25S	K HC WKP35S	S HC WSP45G
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

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

HC = Coated carbide

Indexable inserts

Designation	P HC WKP25S	P HC WKP35S	P HC WSP45	P HC WSP45G	P HC WXP40	M HC WSP45	M HC WSP45G	M HC WXP40	K HC WKP25S	K HC WKP35S	S HC WSP45G
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		☹	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		☹	☹	☹

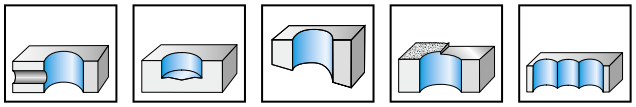
P48 . . C = Centre insert
P48 . . P = Outer insert

HC = Coated carbide

Indexable insert drills

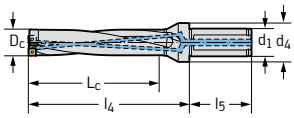
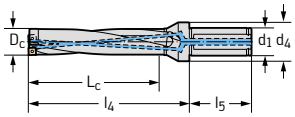
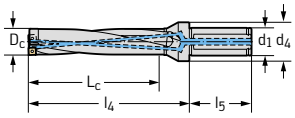
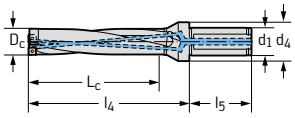
D4120.05 inch

5×Dc | Z=1



B1

	P	M	K	N	S	H	O
D4120.05	●●		●●	●●			

Tool	Designation	D_c inch	L_c inch	l_4 inch	l_5 inch	d_1 inch	d_4 inch	lbs	No. of indexable inserts	Type
Parallel shank with flat 	D4120.05-29.74F31-P45	1,171	5,855	6,985	2,281	1,250	1,625	0,042	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120.05-30.15F31-P45	1,187	5,935	7,065	2,281	1,250	1,625	0,042	1 1	
	D4120.05-31.75F31-P45	1,250	6,250	7,380	2,281	1,250	1,625	0,046	1 1	
	D4120.05-33.32F31-P45	1,312	6,56	7,69	2,281	1,250	1,625	0,050	1 1	
	D4120.05-34.11F31-P45	1,343	6,715	7,845	2,281	1,250	1,625	0,052	1 1	
	D4120.05-34.93F31-P45	1,375	6,875	8,005	2,281	1,250	1,625	0,054	1 1	
Parallel shank with flat 	D4120.05-36.09F31-P46	1,421	7,105	8,235	2,281	1,250	1,625	0,052	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120.05-36.50F38-P46	1,437	7,185	8,565	2,688	1,500	1,940	0,068	1 1	
	D4120.05-38.10F38-P46	1,500	7,500	8,880	2,688	1,500	1,940	0,073	1 1	
	D4120.05-39.67F38-P46	1,562	7,81	9,19	2,688	1,500	1,940	0,082	1 1	
	D4120.05-41.28F38-P46	1,625	8,125	9,505	2,688	1,500	1,940	0,082	1 1	
Parallel shank with flat 	D4120.05-42.85F38-P47	1,687	8,435	9,815	2,688	1,500	1,940	0,083	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120.05-44.45F38-P47	1,750	8,750	10,130	2,688	1,500	1,940	0,092	1 1	
	D4120.05-46.02F38-P47	1,812	9,06	10,44	2,688	1,500	1,940	0,099	1 1	
	D4120.05-47.63F38-P47	1,875	9,375	10,755	2,688	1,500	1,940	0,107	1 1	
	D4120.05-49.20F38-P47	1,937	9,685	11,065	2,688	1,500	1,940	0,115	1 1	
Parallel shank with flat 	D4120.05-50.80F51-P48	2,000	10,000	11,62	3,250	2,000	2,440	0,163	1 1	P484 . P-8R- .. P484 . C-8R- ..
	D4120.05-52.37F51-P48	2,062	10,31	11,930	3,250	2,000	2,440	0,173	1 1	
	D4120.05-53.98F51-P48	2,125	10,625	12,245	3,250	2,000	2,440	0,184	1 1	
	D4120.05-55.55F51-P48	2,187	10,935	12,555	3,250	2,000	2,440	0,195	1 1	
	D4120.05-57.15F51-P48	2,250	11,250	12,87	3,250	2,000	2,440	0,206	1 1	

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

Assembly parts

D_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,38	1,42–1,62	1,69–2,25
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_c [mm]	0,66–0,78	0,81–0,94	0,97–1,12	1,17–1,62	1,69–2,25
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)

B1

Indexable inserts

	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

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

HC = Coated carbide

Indexable inserts

	P					M			K		S
		HC					HC			HC	HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

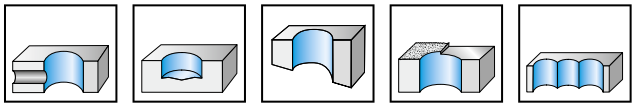
P48 . . C = Centre insert
P48 . . P = Outer insert

HC = Coated carbide

Indexable insert drills

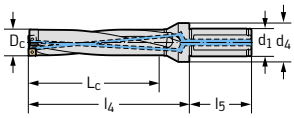
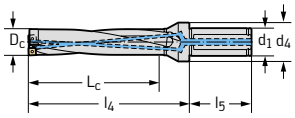
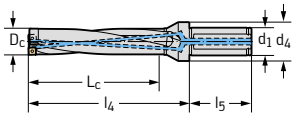
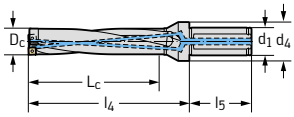
D4120-05 mm

5×D_c | Z=1



	P	M	K	N	S	H	O
D4120-05	●●		●●	●●			

B1

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-05-17.00F25-P42	17	85	110	56	25	35	0,39	1 1	P484 . P-2R- .. P484 . C-2R- ..
	D4120-05-18.00F25-P42	18	90	115	56	25	35	0,47	1 1	
	D4120-05-19.00F25-P42	19	95	120	56	25	35	0,49	1 1	
	D4120-05-20.00F25-P42	20	100	125	56	25	35	0,51	1 1	
Parallel shank with flat 	D4120-05-21.00F25-P43	21	105	130	56	25	35	0,45	1 1	P484 . P-3R- .. P484 . C-3R- ..
	D4120-05-22.00F25-P43	22	110	135	56	25	35	0,58	1 1	
	D4120-05-23.00F25-P43	23	115	140	56	25	35	0,62	1 1	
	D4120-05-24.00F25-P43	24	120	145	56	25	35	0,63	1 1	
Parallel shank with flat 	D4120-05-25.00F25-P44	25	125	150	56	25	35	0,54	1 1	P484 . P-4R- .. P484 . C-4R- ..
	D4120-05-26.00F32-P44	26	130	162	60	32	42	0,95	1 1	
	D4120-05-27.00F32-P44	27	135	167	60	32	42	1	1 1	
	D4120-05-28.00F32-P44	28	140	172	60	32	42	1,03	1 1	
	D4120-05-29.00F32-P44	29	145	177	60	32	42	1,1	1 1	
Parallel shank with flat 	D4120-05-30.00F32-P45	30	150	182	60	32	42	1,01	1 1	P484 . P-5R- .. P484 . C-5R- ..
	D4120-05-31.00F32-P45	31	155	187	60	32	42	1,18	1 1	
	D4120-05-32.00F32-P45	32	160	192	60	32	42	1,23	1 1	
	D4120-05-33.00F32-P45	33	165	197	60	32	42	1,3	1 1	
	D4120-05-34.00F32-P45	34	170	202	60	32	42	1,37	1 1	
	D4120-05-35.00F32-P45	35	175	207	60	32	42	1,45	1 1	

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

Assembly parts

D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
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_c [mm]	17–20	21–24	25–29	30–42	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)

B1

Indexable inserts

	P					M			K		S
	HC					HC			HC		HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

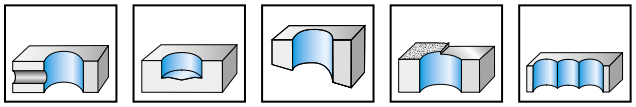
	P					M			K		S
	HC					HC			HC		HC
Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

HC = Coated carbide

Indexable insert drills

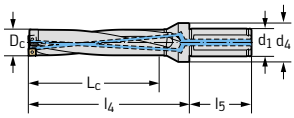
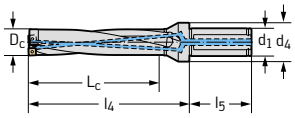
D4120-05 mm

B1



5×D_c | Z=1

	P	M	K	N	S	H	O
D4120-05	●●		●●	●●			

Tool	Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
Parallel shank with flat 	D4120-05-36.00F32-P46	36	180	212	60	32	42	1,32	1 1	P484 . P-6R- .. P484 . C-6R- ..
	D4120-05-37.00F40-P46	37	185	225	70	40	50	1,45	1 1	
	D4120-05-38.00F40-P46	38	190	230	70	40	50	2,02	1 1	
	D4120-05-39.00F40-P46	39	195	235	70	40	50	2,09	1 1	
	D4120-05-40.00F40-P46	40	200	240	70	40	50	2,17	1 1	
	D4120-05-41.00F40-P46	41	205	245	70	40	50	2,35	1 1	
	D4120-05-42.00F40-P46	42	210	250	70	40	50	2,45	1 1	
Parallel shank with flat 	D4120-05-43.00F40-P47	43	215	255	70	40	50	2,54	1 1	P484 . P-7R- .. P484 . C-7R- ..
	D4120-05-44.00F40-P47	44	220	260	70	40	50	2,65	1 1	
	D4120-05-45.00F40-P47	45	225	265	70	40	50	2,75	1 1	
	D4120-05-46.00F40-P47	46	230	270	70	40	50	2,87	1 1	
	D4120-05-47.00F40-P47	47	235	275	70	40	50	2,99	1 1	
	D4120-05-48.00F40-P47	48	240	280	70	40	50	3,08	1 1	
	D4120-05-49.00F40-P47	49	245	285	70	40	50	3,26	1 1	
	D4120-05-50.00F40-P47	50	250	290	70	40	50	3,39	1 1	

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

Assembly parts

D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
Clamping screw for indexable insert Tightening torque	FS2111 (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_c [mm]	17–20	21–24	25–29	30–42	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)

B1

Indexable inserts

Designation	P					M			K		S
	HC					HC			HC		HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840C-2R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-2R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-3R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-3R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-4R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-4R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-7R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-7R-E57		😐		☹	☹		☹	☹		☹	☹
P4840C-8R-E67		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-A57		☹		☹	☹		☹	☹		☹	☹
P4841C-8R-E57		😐		☹	☹		☹	☹		☹	☹

HC = Coated carbide

Indexable inserts

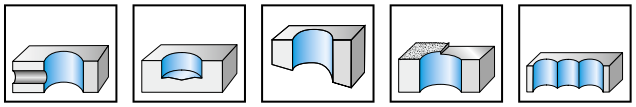
Designation	P					M			K		S
	HC					HC			HC		HC
	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
P4840P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-2R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-2R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-3R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-3R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-4R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-4R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-7R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-7R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
P4840P-8R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
P4841P-8R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

HC = Coated carbide

Indexable insert drills

D4120-05 mm

B1

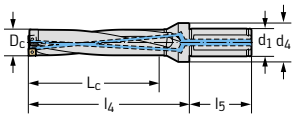


5×D_c | Z=1

	P	M	K	N	S	H	O
D4120-05	●●		●●	●●			

Tool

Parallel shank with flat



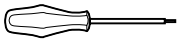
Designation	D_c mm	L_c mm	l_4 mm	l_5 mm	d_1 mm	d_4 mm	kg	No. of indexable inserts	Type
D4120-05-51.00F40-P48	51	255	295	70	40	50	3,45	1 1	P484 . P-8R- .. P484 . C-8R- ..
D4120-05-52.00F40-P48	52	260	300	70	40	50	3,61	1 1	
D4120-05-53.00F40-P48	53	265	305	70	40	50	3,74	1 1	
D4120-05-54.00F40-P48	54	270	310	70	40	50	3,86	1 1	
D4120-05-55.00F40-P48	55	275	315	70	40	50	4,07	1 1	
D4120-05-56.00F40-P48	56	280	320	70	40	50	4,22	1 1	
D4120-05-57.00F40-P48	57	285	325	70	40	50	4,2	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.

Assembly parts

	D_c [mm]	17–20	21–24	25–29	30–35	36–42	43–59
	Clamping screw for indexable insert Tightening torque	FS2111 (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_c [mm]	17–20	21–24	25–29	30–42	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	P HC WKP25S	P HC WKP35S	P HC WSP45	P HC WSP45G	P HC WXP40	M HC WSP45	M HC WSP45G	M HC WXP40	K HC WKP25S	K HC WKP35S	S HC WSP45G
P4840C-2R-E67		null		null	null		null	null		null	null
P4841C-2R-A57		null		null	null		null	null		null	null
P4841C-2R-E57		●		null	null		null	null		null	null
P4840C-3R-E67		null		null	null		null	null		null	null
P4841C-3R-A57		null		null	null		null	null		null	null
P4841C-3R-E57		●		null	null		null	null		null	null
P4840C-4R-E67		null		null	null		null	null		null	null
P4841C-4R-A57		null		null	null		null	null		null	null
P4841C-4R-E57		●		null	null		null	null		null	null
P4840C-5R-E67		null		null	null		null	null		null	null
P4841C-5R-A57		null		null	null		null	null		null	null
P4841C-5R-E57		●		null	null		null	null		null	null
P4840C-6R-E67		null		null	null		null	null		null	null
P4841C-6R-A57		null		null	null		null	null		null	null
P4841C-6R-E57		●		null	null		null	null		null	null
P4840C-7R-E67		null		null	null		null	null		null	null
P4841C-7R-A57		null		null	null		null	null		null	null
P4841C-7R-E57		●		null	null		null	null		null	null
P4840C-8R-E67		null		null	null		null	null		null	null
P4841C-8R-A57		null		null	null		null	null		null	null
P4841C-8R-E57		●		null	null		null	null		null	null

HC = Coated carbide
null = null

Indexable inserts

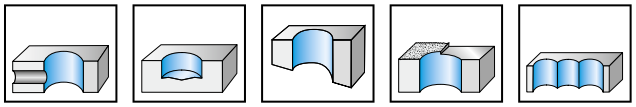
Designation	P HC WKP25S	P HC WKP35S	P HC WSP45	P HC WSP45G	P HC WXP40	M HC WSP45	M HC WSP45G	M HC WXP40	K HC WKP25S	K HC WKP35S	S HC WSP45G
P4840P-2R-A57	●	null	null	null		null	null		●	null	null
P4840P-2R-E57	●	●	null	null		null	null		null	null	null
P4840P-2R-E67	●	null	null	null		null	null		null	null	null
P4841P-2R-A57	●	null	null	null		null	null		●	null	null
P4841P-2R-E57	●	●	null	null		null	null		null	null	null
P4840P-3R-A57	●	null	null	null		null	null		●	null	null
P4840P-3R-E57	●	●	null	null		null	null		null	null	null
P4840P-3R-E67	●	null	null	null		null	null		null	null	null
P4841P-3R-A57	●	null	null	null		null	null		null	null	null
P4841P-3R-E57	●	●	null	null		null	null		null	null	null
P4840P-4R-A57	●	null	null	null		null	null		null	null	null
P4840P-4R-E57	●	●	null	null		null	null		null	null	null
P4840P-4R-E67	●	null	null	null		null	null		null	null	null
P4841P-4R-A57	●	null	null	null		null	null		null	null	null
P4841P-4R-E57	●	●	null	null		null	null		null	null	null
P4840P-5R-A57	●	null	null	null		null	null		null	null	null
P4840P-5R-E57	●	●	null	null		null	null		null	null	null
P4840P-5R-E67	●	null	null	null		null	null		null	null	null
P4841P-5R-A57	●	null	null	null		null	null		null	null	null
P4841P-5R-E57	●	●	null	null		null	null		null	null	null
P4840P-6R-A57	●	null	null	null		null	null		null	null	null
P4840P-6R-E57	●	●	null	null		null	null		null	null	null
P4840P-6R-E67	●	null	null	null		null	null		null	null	null
P4841P-6R-A57	●	null	null	null		null	null		null	null	null
P4841P-6R-E57	●	●	null	null		null	null		null	null	null
P4840P-7R-A57	●	null	null	null		null	null		null	null	null
P4840P-7R-E57	●	●	null	null		null	null		null	null	null
P4840P-7R-E67	●	null	null	null		null	null		null	null	null
P4841P-7R-A57	●	null	null	null		null	null		null	null	null
P4841P-7R-E57	●	●	null	null		null	null		null	null	null
P4840P-8R-A57	●	null	null	null		null	null		null	null	null
P4840P-8R-E57	●	●	null	null		null	null		null	null	null
P4840P-8R-E67	●	null	null	null		null	null		null	null	null
P4841P-8R-A57	●	null	null	null		null	null		null	null	null
P4841P-8R-E57	●	●	null	null		null	null		null	null	null

HC = Coated carbide
null = null

Indexable insert drill with cartridge

D4170-03 mm

B1

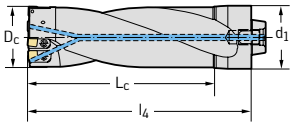


D_c 65–80	3×D_c	Z=1

	P	M	K	N	S	H	O
D4170-03	●●						

Tool

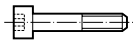
Modular NCT boring bar/adaptor



Designation	D_c mm	L_c mm	l_4 mm	d_1 mm	d_1	kg	No. of indexable inserts	Type
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	4,68	3 1	P484 . P-6R- .. P484 . C-6R- ..
D4170-03-70.00N8-P46	70	210	260	80	NCT 80	4,94	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- ..

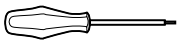
Important: A disc forms where through holes are created by a rotating tool. This disc might then be ejected. Please take precautionary measures

Assembly parts

	D_c [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
	Adjusting screw, radial	FS334 (SW 2)	FS334 (SW 2)	FS334 (SW 2)	FS334 (SW 2)	FS334 (SW 2)
	Internal cartridge	FR737C-5	FR743C-6	FR743C-6	FR743C-6	FR737C-5
	External cartridge 1	FR738P-5	FR744P-6	FR744P-6	FR744P-6	FR738P-5
	External cartridge 2	FR741P-5	FR745P-6	FR746P-6	FR748P-6	FR739P-5
	Clamping screw for 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

B1

Accessories

	D_c [mm]	65–80
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)
	ISO 2936 key for	ISO2936-4 (SW 4)
	Screwdriver	FS1485 (T15IP)

In tools with the diameter Dc = 80 mm, the external cartridge 1 (FR738P-5) is fitted three times

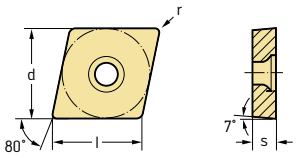
Indexable inserts

		P					M			K		S
		HC					HC			HC		HC
	Designation	WKP25S	WKP35S	WSP45	WSP45G	WXP40	WSP45	WSP45G	WXP40	WKP25S	WKP35S	WSP45G
	P4840C-5R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-5R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-5R-E57		😐		☹	☹		☹	☹		☹	☹
	P4840C-6R-E67		☹		☹	☹		☹	☹		☹	☹
	P4841C-6R-A57		☹		☹	☹		☹	☹		☹	☹
	P4841C-6R-E57		😐		☹	☹		☹	☹		☹	☹
	P4840P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-5R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-5R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-5R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4840P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹
	P4840P-6R-E67	☺	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-6R-A57	😐	☹	☹	☹		☹	☹		😐	☹	☹
	P4841P-6R-E57	☺	😐	☹	☹		☹	☹		😐	☹	☹

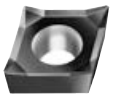
P48 . . C = Centre insert
P48 . . P = Outer insert

HC = Coated carbide

Positive rhombic 80°
CCGT



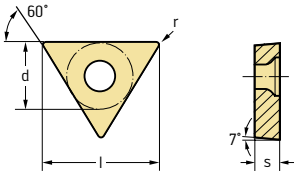
Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	CCGT060201-FN2	6,45	0,1	0,02–0,06	0,1–1,5		☹		
	CCGT060202-FN2	6,45	0,2	0,05–0,12	0,2–2,0		☹	☺	
	CCGT060204-FN2	6,45	0,4	0,08–0,25	0,2–2,5		☹	☺	
	CCGT09T301-FN2	9,67	0,1	0,02–0,06	0,1–1,5		☹		
	CCGT09T302-FN2	9,67	0,2	0,05–0,12	0,2–2,0		☹	☺	
	CCGT09T304-FN2	9,67	0,4	0,08–0,25	0,2–2,5		☹	☺	
	CCGT09T308-FN2	9,67	0,8	0,10–0,30	0,3–3,0		☹	☺	
	CCGT120404-FN2	12,9	0,4	0,08–0,25	0,2–3,0		☹	☺	
	CCGT120408-FN2	12,9	0,8	0,10–0,30	0,3–3,5		☹	☺	
	CCGT060201-MN2	6,45	0,1	0,02–0,06	0,5–1,5		☹	☺	
	CCGT060202-MN2	6,45	0,2	0,05–0,12	0,5–2,0	☻	☹	☺	☹
	CCGT060204-MN2	6,45	0,4	0,08–0,25	0,6–3,0	☻	☹	☺	☹
	CCGT09T301-MN2	9,67	0,1	0,02–0,06	0,5–1,5		☹	☺	
	CCGT09T302-MN2	9,67	0,2	0,05–0,12	0,5–2,0	☻	☹	☺	☹
	CCGT09T304-MN2	9,67	0,4	0,08–0,25	0,6–4,0	☻	☹	☺	☹
	CCGT09T308-MN2	9,67	0,8	0,10–0,35	0,8–4,0	☻	☹	☺	☹
	CCGT120402-MN2	12,9	0,2	0,05–0,12	0,5–2,0		☹	☺	
	CCGT120404-MN2	12,9	0,4	0,08–0,25	0,6–5,0		☹	☺	
	CCGT120408-MN2	12,9	0,8	0,10–0,35	0,8–5,0		☹	☺	

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

Positive triangular 60°
TCGT



Indexable inserts

	Designation	l mm	r mm	f mm	a_p mm	M HC WSM01	N HC WNN10	N HW WN10	S HC WSM01
	TCGT06T101-FN2	6,87	0,1	0,02–0,06	0,1–1,5		☹		
	TCGT06T102-FN2	6,87	0,2	0,05–0,12	0,2–2,0		☹		
	TCGT06T104-FN2	6,87	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT090202-FN2	9,62	0,2	0,05–0,12	0,2–2,0		☹		
	TCGT090204-FN2	9,62	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT110202-FN2	11	0,2	0,05–0,12	0,2–2,0		☹		
	TCGT110204-FN2	11	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT16T304-FN2	16,5	0,4	0,08–0,25	0,2–2,5		☹	☺	
	TCGT16T308-FN2	16,5	0,8	0,10–0,30	0,3–3,0		☹	☺	
	TCGT110201-MN2	11	0,1	0,02–0,06	0,5–1,5		☹		
	TCGT110202-MN2	11	0,2	0,05–0,12	0,6–2,0		☹	☺	
	TCGT110204-MN2	11	0,4	0,08–0,25	0,6–3,0	☺	☹	☺	☹
	TCGT16T302-MN2	16,5	0,2	0,05–0,12	0,5–2,0		☹	☺	
	TCGT16T304-MN2	16,5	0,4	0,08–0,25	0,6–4,0	☺	☹	☺	☹
	TCGT16T308-MN2	16,5	0,8	0,10–0,35	0,8–4,0	☺	☹	☺	☹

See the ISO 1832 designation key for dimensions

HC = Coated carbide
HW = Uncoated carbide

B 2

B – Threading

Tapping – B3

Tapping	HSS-E-PM taps	140

Thread forming – B4

Thread forming	HSS-E thread formers	169

Thread milling – B5

Thread milling	Solid carbide orbital thread milling cutters	170

HSS-E-PM machine taps

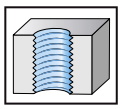
mm

Prototex® Eco Plus

≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 –500 N/mm²

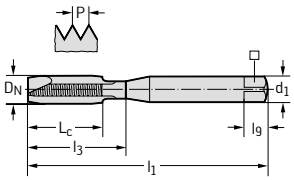
– For long-chipping materials

M DIN 13 | 6HX

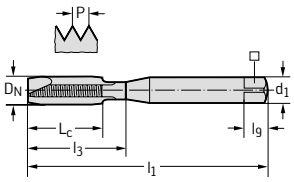


	P	M	K	N	S	H	O
THL EP2021302	●●	●●	●●	●●			
TIN EP2021305	●●	●●	●●	●●			

DIN 371



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2021302-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2021302-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2021302-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2021302-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2021302-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2021302-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021302-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021302-M10	M 10	1,5	100	20	39	10	8	11	3



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2021305-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2021305-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2021305-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2021305-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2021305-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2021305-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021305-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021305-M10	M 10	1,5	100	20	39	10	8	11	3

HSS-E-PM machine taps

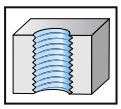
mm

Prototex® Eco Plus

≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 ~500 N/mm²

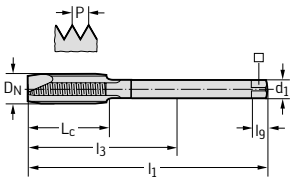
– For long-chipping materials

M DIN 13 | 6HX

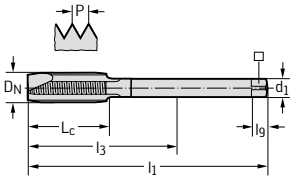


	P	M	K	N	S	H	O
THL EP2026302	●●	●●	●●	●●			
TIN EP2026305	●●	●●	●●	●●			

DIN 376



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2026302-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026302-M14	M 14	2	110	25	81	11	9	12	4
EP2026302-M16	M 16	2	110	25	68	12	9	12	4
EP2026302-M18	M 18	2,5	125	30	81	14	11	14	4
EP2026302-M20	M 20	2,5	140	30	95	16	12	15	4
EP2026302-M24	M 24	3	160	36	113	18	14,5	17	4
EP2026302-M27	M 27	3	160	36	97	20	16	19	4
EP2026302-M30	M 30	3,5	180	42	115	22	18	21	4



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2026305-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026305-M14	M 14	2	110	25	81	11	9	12	4
EP2026305-M16	M 16	2	110	25	68	12	9	12	4
EP2026305-M18	M 18	2,5	125	30	81	14	11	14	4
EP2026305-M20	M 20	2,5	140	30	95	16	12	15	4
EP2026305-M24	M 24	3	160	36	113	18	14,5	17	4

HSS-E-PM machine taps

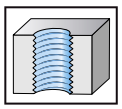
mm

Prototex® Eco Plus

– For long-chipping materials

M
DIN 13

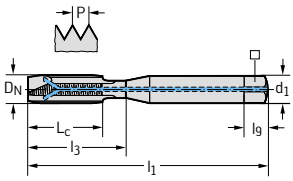
6HX

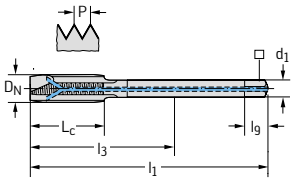


≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2021342-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021342-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021342-M10	M 10	1,5	100	20	39	10	8	11	3
EP2026342-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026342-M16	M 16	2	110	25	68	12	9	12	4

B 4

HSS-E-PM machine taps

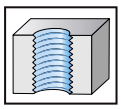
mm

Prototex® Eco Plus

– For long-chipping materials

M
DIN 13

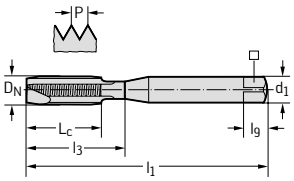
6HX

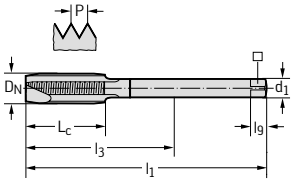


≤ 3,5×D_N | B=3,5-5 | LH | 42HRC 1350 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2021382-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2021382-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2021382-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2021382-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021382-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021382-M10	M 10	1,5	100	20	39	10	8	11	3
EP2026382-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026382-M16	M 16	2	110	25	68	12	9	12	4
EP2026382-M20	M 20	2,5	140	30	95	16	12	15	4

B 4

HSS-E-PM machine taps

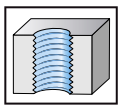
mm

Prototex® Eco Plus

≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 –500 N/mm²

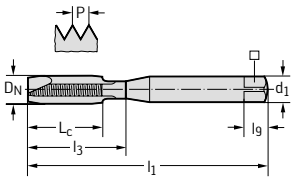
– For long-chipping materials

M DIN 13 | 6GX

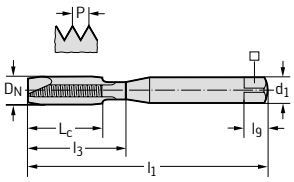


	P	M	K	N	S	H	O
THL EP2023302	●●	●●	●●	●●			
TIN EP2023305	●●	●●	●●	●●			

DIN 371



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2023302-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2023302-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2023302-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2023302-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2023302-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2023302-M6	M 6	1	80	15	30	6	4,9	8	3
EP2023302-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2023302-M10	M 10	1,5	100	20	39	10	8	11	3



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2023305-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2023305-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2023305-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2023305-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2023305-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2023305-M6	M 6	1	80	15	30	6	4,9	8	3
EP2023305-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2023305-M10	M 10	1,5	100	20	39	10	8	11	3

HSS-E-PM machine taps

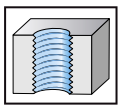
mm

Prototex® Eco Plus

≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 ~500 N/mm²

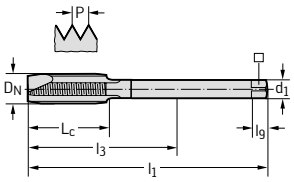
– For long-chipping materials

M DIN 13 | 6GX

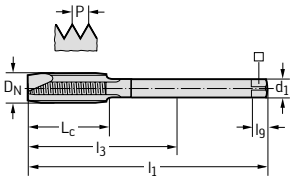


	P	M	K	N	S	H	O
THL EP2028302	●●	●●	●●	●●			
TIN EP2028305	●●	●●	●●	●●			

DIN 376



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2028302-M12	M 12	1,75	110	23	83	9	7	10	4
EP2028302-M14	M 14	2	110	25	81	11	9	12	4
EP2028302-M16	M 16	2	110	25	68	12	9	12	4



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2028305-M12	M 12	1,75	110	23	83	9	7	10	4
EP2028305-M14	M 14	2	110	25	81	11	9	12	4
EP2028305-M16	M 16	2	110	25	68	12	9	12	4

B 4

HSS-E-PM machine taps

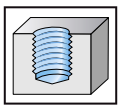
mm

Paradur® Eco Plus

≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 ~500 N/mm²

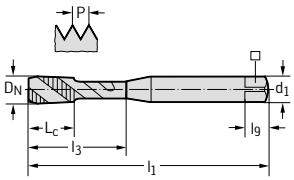
– For long-chipping materials

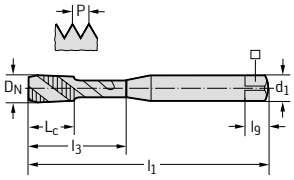
M DIN 13



	P	M	K	N	S	H	O
THL EP2051302	●●	●●	●●	●●			
TIN EP2051305	●●	●●	●●	●●			

~DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2051302-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2051302-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2051302-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2051302-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051302-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051302-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051302-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051302-M10	M 10	1,5	100	15	39	10	8	11	3
EP2051305-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2051305-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2051305-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2051305-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051305-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051305-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051305-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051305-M10	M 10	1,5	100	15	39	10	8	11	3

HSS-E-PM machine taps

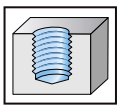
mm

Paradur® Eco Plus

≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 ~500 N/mm²

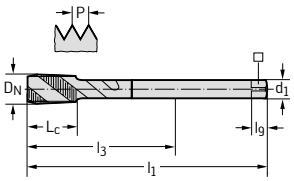
– For long-chipping materials

M
DIN 13

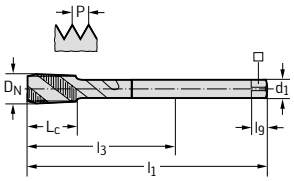


	P	M	K	N	S	H	O
THL EP2056302	●●	●●	●●	●●			
TIN EP2056305	●●	●●	●●	●●			

DIN 376



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2056302-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056302-M14	M 14	2	110	20	81	11	9	12	4
EP2056302-M16	M 16	2	110	20	68	12	9	12	4
EP2056302-M18	M 18	2,5	125	25	81	14	11	14	4
EP2056302-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056302-M24	M 24	3	160	30	113	18	14,5	17	4
EP2056302-M27	M 27	3	160	30	97	20	16	19	4
EP2056302-M30	M 30	3,5	180	35	115	22	18	21	4
EP2056302-M36	M 36	4	200	40	131	28	22	25	4
EP2056302-M42	M 42	4,5	200	45	102	32	24	27	5
EP2056302-M48	M 48	5	250	50	147	36	29	32	5
EP2056302-M56	M 56	5,5	250	55	120	40	32	35	5
EP2056302-M64	M 64	6	315	60	178	50	39	42	6



EP2056305-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056305-M14	M 14	2	110	20	81	11	9	12	4
EP2056305-M16	M 16	2	110	20	68	12	9	12	4
EP2056305-M18	M 18	2,5	125	25	81	14	11	14	4
EP2056305-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056305-M24	M 24	3	160	30	113	18	14,5	17	4

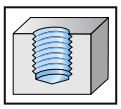
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

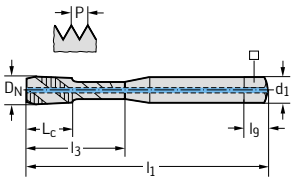
M
DIN 13

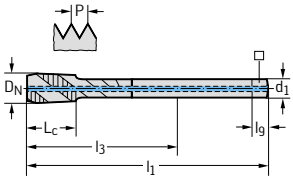


≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2051312-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051312-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051312-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051312-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051312-M10	M 10	1,5	100	15	39	10	8	11	3
EP2056312-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056312-M16	M 16	2	110	20	68	12	9	12	4
EP2056312-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056312-M24	M 24	3	160	30	113	18	14,5	17	4

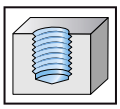
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

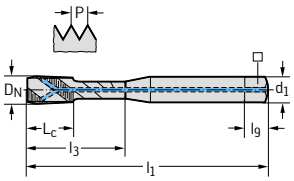
M
DIN 13

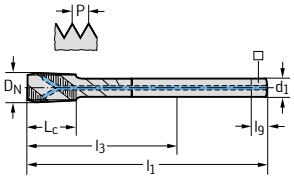


≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2051342-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051342-M10	M 10	1,5	100	15	39	10	8	11	3
EP2056342-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056342-M16	M 16	2	110	20	68	12	9	12	4

B 4

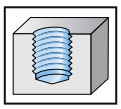
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

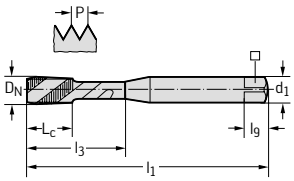
M
DIN 13

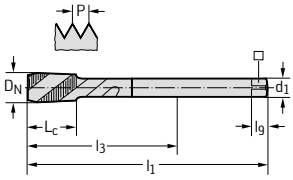


≤ 3×D_N | C=2-3 | LH | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2051382-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2051382-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051382-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051382-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051382-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051382-M10	M 10	1,5	100	15	39	10	8	11	3
EP2056382-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056382-M14	M 14	2	110	20	81	11	9	12	4
EP2056382-M16	M 16	2	110	20	68	12	9	12	4
EP2056382-M18	M 18	2,5	125	25	81	14	11	14	4
EP2056382-M20	M 20	2,5	140	25	95	16	12	15	4

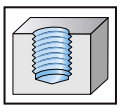
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

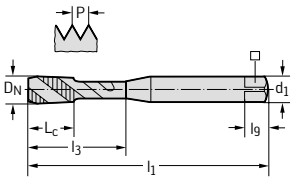
M
DIN 13



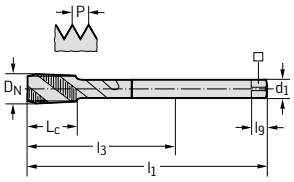
≤ 3×D_N | E=1,5-2 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 371



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2051362-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051362-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051362-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051362-M8	M 8	1,25	90	12	35	8	6,2	9	4
EP2051362-M10	M 10	1,5	100	15	39	10	8	11	4



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2056362-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056362-M16	M 16	2	110	20	68	12	9	12	4
EP2056362-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056362-M24	M 24	3	160	30	113	18	14,5	17	5

B 4

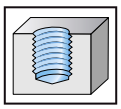
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

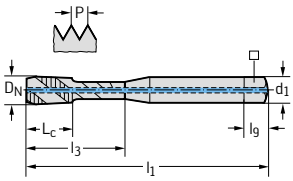
M
DIN 13

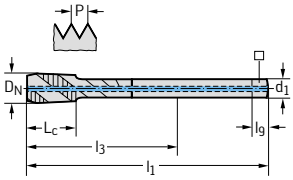


≤ 3×D_N | E=1,5-2 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 371





Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2051352-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051352-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051352-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051352-M8	M 8	1,25	90	12	35	8	6,2	9	4
EP2051352-M10	M 10	1,5	100	15	39	10	8	11	4
EP2056352-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056352-M16	M 16	2	110	20	68	12	9	12	4
EP2056352-M20	M 20	2,5	140	25	95	16	12	15	4

B 4

HSS-E-PM machine taps

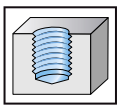
mm

Paradur® Eco Plus

≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 ~500 N/mm²

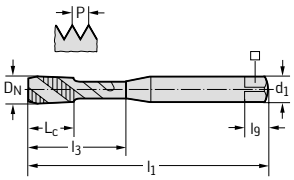
– For long-chipping materials

M
DIN 13

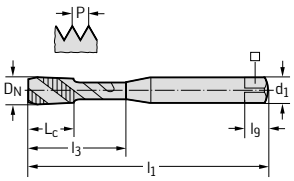


	P	M	K	N	S	H	O
THL EP2053302	●●	●●	●●	●●			
TIN EP2053305	●●	●●	●●	●●			

~DIN 371



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2053302-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2053302-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2053302-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2053302-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2053302-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2053302-M6	M 6	1	80	10	25	6	4,9	8	3
EP2053302-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2053302-M10	M 10	1,5	100	15	39	10	8	11	3



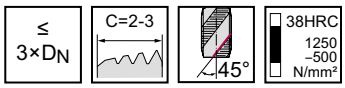
Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2053305-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2053305-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2053305-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2053305-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2053305-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2053305-M6	M 6	1	80	10	25	6	4,9	8	3
EP2053305-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2053305-M10	M 10	1,5	100	15	39	10	8	11	3

≤ M 2.5: Without thread taper

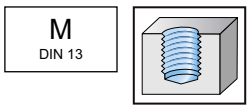
HSS-E-PM machine taps

mm

Paradur® Eco Plus

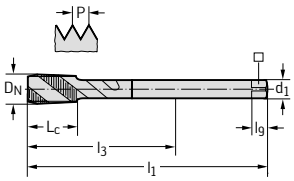


– For long-chipping materials

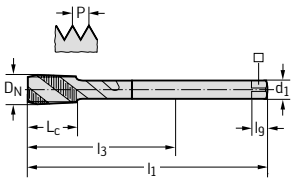


	P	M	K	N	S	H	O
THL EP2058302	●●	●●	●●	●●			
TIN EP2058305	●●	●●	●●	●●			

DIN 376



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2058302-M12	M 12	1,75	110	16	83	9	7	10	4
EP2058302-M14	M 14	2	110	20	81	11	9	12	4
EP2058302-M16	M 16	2	110	20	68	12	9	12	4



EP2058305-M12	M 12	1,75	110	16	83	9	7	10	4
EP2058305-M14	M 14	2	110	20	81	11	9	12	4
EP2058305-M16	M 16	2	110	20	68	12	9	12	4

HSS-E-PM machine taps

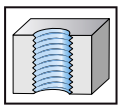
mm

Prototex® Eco Plus

– For long-chipping materials

MF
DIN 13

6HX



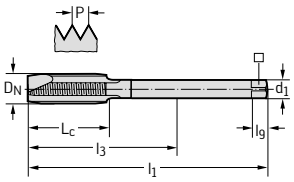
≤ 3,5×D_N

B=3,5-5

42HRC
1350
–500
N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2126302-M6X0.75	MF 6x0.75	0,75	80	15	59	4,5	3,4	6	3
EP2126302-M8X1	MF 8x1	1	90	18	67	6	4,9	8	3
EP2126302-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
EP2126302-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
EP2126302-M12X1	MF 12x1	1	100	21	73	9	7	10	4
EP2126302-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
EP2126302-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
EP2126302-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
EP2126302-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
EP2126302-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
EP2126302-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
EP2126302-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4

HSS-E-PM machine taps

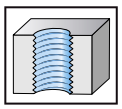
mm

Prototex® Eco Plus

– For long-chipping materials

MF
DIN 13

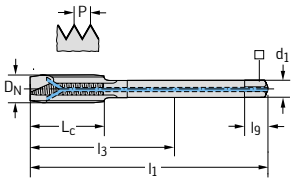
6HX



≤ 3,5×D_N | B=3,5-5 | 42HRC 1350 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2126342-M8X1	MF 8x1	1	90	18	67	6	4,9	5	3
EP2126342-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
EP2126342-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
EP2126342-M12X1	MF 12x1	1	100	21	73	9	7	10	4
EP2126342-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
EP2126342-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
EP2126342-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
EP2126342-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
EP2126342-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
EP2126342-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	12	4

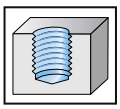
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

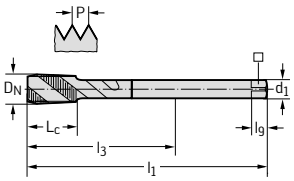
MF
DIN 13



≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2156302-M6X0.75	MF 6x0.75	0,75	80	10	59	4,5	3,4	6	3
EP2156302-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
EP2156302-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
EP2156302-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
EP2156302-M12X1	MF 12x1	1	100	13	73	9	7	10	4
EP2156302-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
EP2156302-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
EP2156302-M14X1.25	MF 14x1.25	1,25	100	15	71	11	9	12	4
EP2156302-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
EP2156302-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
EP2156302-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
EP2156302-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4
EP2156302-M22X1.5	MF 22x1.5	1,5	125	18	78	18	14,5	17	4

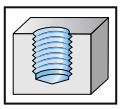
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

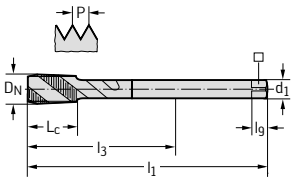
MF
DIN 13



≤ 3×D_N | E=1,5-2 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2156362-M8X1	MF 8x1	1	90	12	67	6	4,9	8	4
EP2156362-M10X1	MF 10x1	1	90	12	67	7	5,5	8	4
EP2156362-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
EP2156362-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4

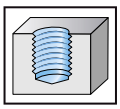
HSS-E-PM machine taps

mm

Paradur® Eco Plus

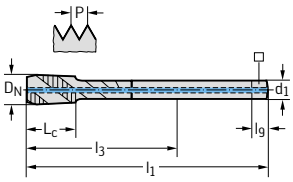
– For long-chipping materials

MF
DIN 13



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2156312-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
EP2156312-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
EP2156312-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
EP2156312-M12X1	MF 12x1	1	100	13	73	9	7	10	4
EP2156312-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
EP2156312-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
EP2156312-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
EP2156312-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
EP2156312-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
EP2156312-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4

HSS-E-PM machine taps

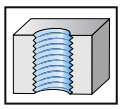
mm

Prototex® Eco Plus

– For long-chipping materials

UNC
ASME B1.1

2B



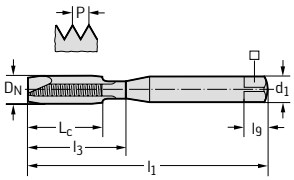
≤ 3,5×D_N

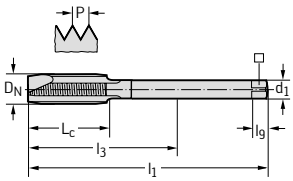
B=3,5-5

42HRC
1350
–500
N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 2184-1





Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2221302-UNC2	UNC #2-56	2,184	45	7	12	2,8	2,1	5	3
EP2221302-UNC4	UNC #4-40	2,845	56	9	18	3,5	2,7	6	3
EP2221302-UNC6	UNC #6-32	3,505	56	11	20	4	3	6	3
EP2221302-UNC8	UNC #8-32	4,166	63	12	21	4,5	3,4	6	3
EP2221302-UNC10	UNC #10-24	4,826	70	13	25	6	4,9	8	3
EP2221302-UNC1/4	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3
EP2226302-UNC5/16	UNC 5/16-18	7,938	90	18	67	6	4,9	8	3
EP2226302-UNC3/8	UNC 3/8-16	9,525	100	20	77	7	5,5	8	3
EP2226302-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4
EP2226302-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	4

B 4

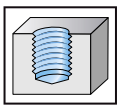
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

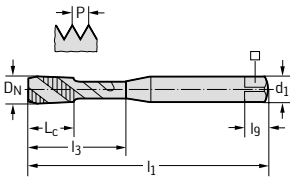
UNC
ASME B1.1



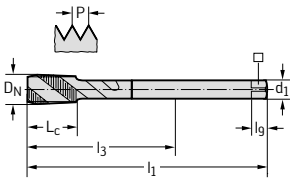
≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1



Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2251302-UNC2	UNC #2-56	2,184	45	4	8,4	2,8	2,1	5	3
EP2251302-UNC4	UNC #4-40	2,845	56	6	11	3,5	2,7	6	3
EP2251302-UNC6	UNC #6-32	3,505	56	6,5	13,7	4	3	6	3
EP2251302-UNC8	UNC #8-32	4,166	63	7	17,8	4,5	3,4	6	3
EP2251302-UNC10	UNC #10-24	4,826	70	8	20,7	6	4,9	8	3
EP2251302-UNC1/4	UNC 1/4-20	6,35	80	10	27,3	7	5,5	8	3



Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2256302-UNC5/16	UNC 5/16-18	7,938	90	12	67	6	4,9	8	3
EP2256302-UNC3/8	UNC 3/8-16	9,525	100	15	77	7	5,5	8	3
EP2256302-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	4
EP2256302-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	4

UNC 2: Without thread taper

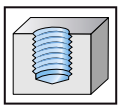
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

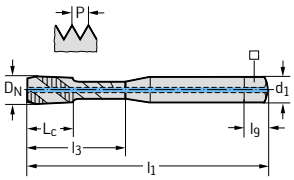
UNC
ASME B1.1

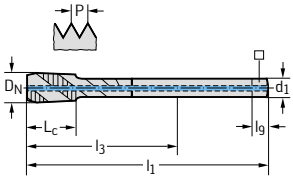


≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1





Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2251312-UNC1/4	UNC 1/4-20	6,35	80	10	27,3	7	5,5	8	3
EP2256312-UNC5/16	UNC 5/16-18	7,938	90	12	67	6	4,9	8	3
EP2256312-UNC3/8	UNC 3/8-16	9,525	100	15	77	7	5,5	8	3
EP2256312-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	4
EP2256312-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	4
EP2256312-UNC3/4	UNC 3/4-10	19,05	125	25	81	14	11	14	4

HSS-E-PM machine taps

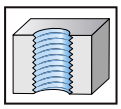
mm

Prototex® Eco Plus

– For long-chipping materials

UNF
ASME B1.1

2B



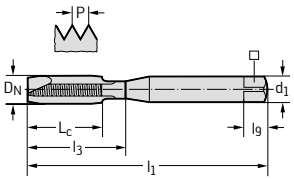
≤ 3,5×D_N

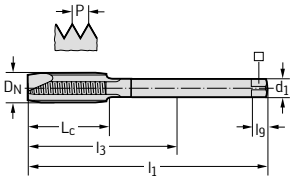
B=3,5-5

42HRC
1350
–500
N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 2184-1





Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2321302-UNF4	UNF #4-48	2,845	56	9	18	3,5	2,7	6	3
EP2321302-UNF6	UNF #6-40	3,505	56	11	20	4	3	6	3
EP2321302-UNF8	UNF #8-36	4,166	63	12	21	4,5	3,4	6	3
EP2321302-UNF10	UNF #10-32	4,826	70	13	25	6	4,9	8	3
EP2321302-UNF1/4	UNF 1/4-28	6,35	80	15	30	7	5,5	8	3
EP2326302-UNF5/16	UNF 5/16-24	7,938	90	18	67	6	4,9	8	3
EP2326302-UNF3/8	UNF 3/8-24	9,525	100	20	77	7	5,5	8	3
EP2326302-UNF1/2	UNF 1/2-20	12,7	100	21	73	9	7	10	4
EP2326302-UNF5/8	UNF 5/8-18	15,875	100	21	58	12	9	12	4

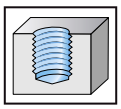
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

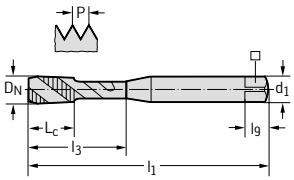
UNF
ASME B1.1

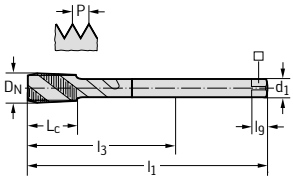


≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1





Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2351302-UNF4	UNF #4-48	2,845	56	6	11	3,5	2,7	6	3
EP2351302-UNF6	UNF #6-40	3,505	56	6,5	13,1	4	3	6	3
EP2351302-UNF8	UNF #8-36	4,166	63	7	17,4	4,5	3,4	6	3
EP2351302-UNF10	UNF #10-32	4,826	70	8	20,7	6	4,9	8	3
EP2351302-UNF1/4	UNF 1/4-28	6,35	80	10	25,9	7	5,5	8	3
EP2356302-UNF5/16	UNF 5/16-24	7,938	90	12	67	6	4,9	8	3
EP2356302-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
EP2356302-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	4
EP2356302-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4

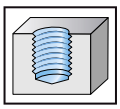
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

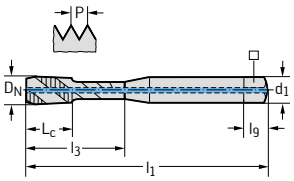
UNF
ASME B1.1

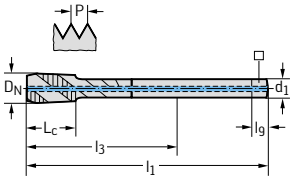


≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1





Designation	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2351312-UNF1/4	UNF 1/4-28	6,35	80	10	25,9	7	5,5	8	3
EP2356312-UNF5/16	UNF 5/16-24	7,938	90	12	67	6	4,9	8	3
EP2356312-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
EP2356312-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	4
EP2356312-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4

B 4

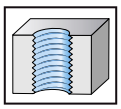
HSS-E-PM machine taps

mm

Prototex® Eco Plus

– For long-chipping materials

G (BSP)
DIN EN ISO 228



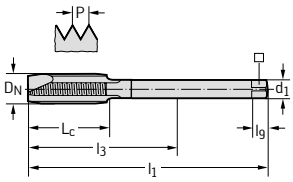
≤ 3,5×D_N

B=3,5-5

42HRC
1350
–500
N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 5156



Designation	D_N-P	D_N mm	Threads per inch	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2426302-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	3
EP2426302-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	4
EP2426302-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	4
EP2426302-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	4
EP2426302-G5/8	G 5/8-14	22,911	14	125	24	78	18	14,5	17	4
EP2426302-G3/4	G 3/4-14	26,441	14	140	26	77	20	16	19	5
EP2426302-G1	G 1"-11	33,249	11	160	28	93	25	20	23	5

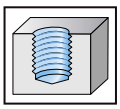
HSS-E-PM machine taps

mm

Paradur® Eco Plus

– For long-chipping materials

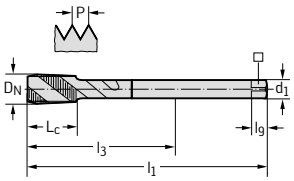
G (BSP)
DIN EN ISO 228



≤ 3×D_N | C=2-3 | 45° | 38HRC 1250 –500 N/mm²

	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 5156



Designation	D_N-P	D_N mm	Threads per inch	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N
EP2456302-G1/8	G 1/8-28	9,728	28	90	12	67	7	5,5	8	3
EP2456302-G1/4	G 1/4-19	13,157	19	100	15	71	11	9	12	4
EP2456302-G3/8	G 3/8-19	16,662	19	100	15	58	12	9	12	4
EP2456302-G1/2	G 1/2-14	20,955	14	125	18	80	16	12	15	4
EP2456302-G5/8	G 5/8-14	22,911	14	125	18	78	18	14,5	17	4
EP2456302-G3/4	G 3/4-14	26,441	14	140	20	77	20	16	19	5
EP2456302-G1	G 1"-11	33,249	11	160	22	93	25	20	23	5

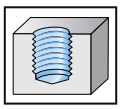
B 4

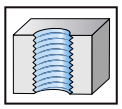
HSS-E machine thread formers

TC440 Supreme mm

– For long-chipping materials
– For stainless steels when using emulsion

MF
DIN 13

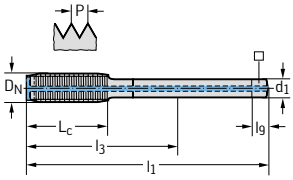




≤ 3,5×D_N | C=2-3 | 32HRC 1000 –200 N/mm²

	P	M	K	N	S	H	O
WY80AD	●	●●		●	●		

DIN 2174



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	□	l_9 mm	N	WY80AD
TC440-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	5	●
TC440-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	5	●
TC440-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	5	●
TC440-M14X1.5-L2-	MF 14x1.5	1,5	100	15	58	11	9	12	6	●
TC440-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	6	●
★ TC440-M18X1.5-L2-	MF 18x1.5	1,5	110	17	66	14	11	14	6	●

B 5

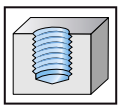
B 6

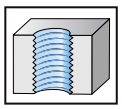
Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Universal orbital thread milling cutters

M-MF
DIN 13



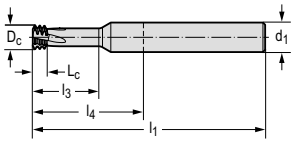
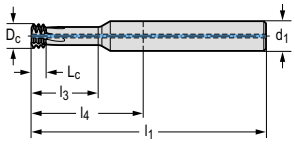


≤ 2×D_N

48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

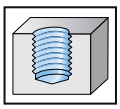
	Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
DIN 6535 HA 	★ TC630-M1.6-A0D-	M 1.6	0,35	1,2	0,7	3,73	38	10	3	4	✖
	★ TC630-M1.8-A0D-	M 1.8	0,35	1,35	0,7	3,78	38	10	3	4	✖
	★ TC630-M2-A0D-	M 2	0,4	1,55	1,2	4,6	57	21	6	4	✖
	★ TC630-M2.2-A0D-	M 2.2	0,45	1,65	1,35	4,63	57	21	6	4	✖
	★ TC630-M2.5-A0D-	M 2.5	0,45	1,95	1,35	5,68	57	21	6	4	✖
	★ TC630-M3-A0D-	M 3	0,5	2,3	1,5	6,75	57	21	6	4	✖
	★ TC630-M3.5-A0D-	M 3.5	0,6	2,7	1,8	7,3	57	21	6	4	✖
	★ TC630-M4-A0D-	M 4	0,7	3,1	2,1	9,05	57	21	6	4	✖
	★ TC630-M4.5-A0D-	M 4.5	0,75	3,5	2,25	9,38	57	21	6	4	✖
	★ TC630-M5-A0D-	M 5	0,8	4	2,4	11,2	57	21	6	4	✖
	★ TC630-M6-A0D-	M 6	1	4,8	3	13,5	57	21	6	4	✖
	★ TC630-M8-A0D-	M 8	1,25	6,4	3,75	17,9	63	27	8	4	✖
	★ TC630-M10-A0D-	M 10	1,5	8,2	4,5	22,3	72	32	10	5	✖
	★ TC630-M12-A0D-	M12	1,75	9,75	5,25	26,7	72	32	10	5	✖
DIN 6535 HA 	★ TC630-M5-A1D-	M 5	0,8	4	2,4	11,2	57	21	6	4	✖
	★ TC630-M6-A1D-	M 6	1	4,8	3	13,5	57	21	6	4	✖
	★ TC630-M8-A1D-	M 8	1,25	6,4	3,75	17,9	63	27	8	4	✖
	★ TC630-M10-A1D-	M 10	1,5	8,2	4,5	22,3	72	32	10	5	✖
	★ TC630-M12-A1D-	M 12	1,75	9,75	5,25	26,7	72	32	10	5	✖

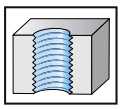
Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Universal orbital thread milling cutters

M-MF
DIN 13



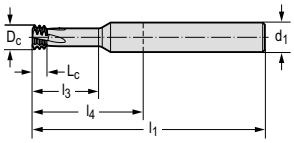
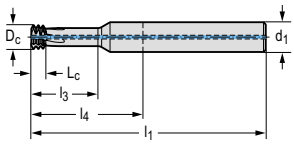


≤ 3×D_N

48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

	Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
DIN 6535 HA 	★ TC630-M1.6-A0F-	M 1.6	0,35	1,2	0,7	5,33	38	10	3	4	✖
	★ TC630-M1.8-A0F-	M 1.8	0,35	1,35	0,7	5,58	38	10	3	4	✖
	★ TC630-M2-A0F-	M 2	0,4	1,55	1,2	6,6	57	21	6	4	✖
	★ TC630-M2.2-A0F-	M 2.2	0,45	1,65	1,35	6,83	57	21	6	4	✖
	★ TC630-M2.5-A0F-	M 2.5	0,45	1,95	1,35	8,18	57	21	6	4	✖
	★ TC630-M3-A0F-	M 3	0,5	2,3	1,5	9,75	57	21	6	4	✖
	★ TC630-M3.5-A0F-	M 3.5	0,6	2,7	1,8	10,8	57	21	6	4	✖
	★ TC630-M4-A0F-	M 4	0,7	3,1	2,1	13,05	57	21	6	4	✖
	★ TC630-M4.5-A0F-	M 4.5	0,75	3,5	2,25	13,88	57	21	6	4	✖
	★ TC630-M5-A0F-	M 5	0,8	4	2,4	16,2	57	21	6	4	✖
	★ TC630-M6-A0F-	M 6	1	4,8	3	19,5	57	22	6	4	✖
	★ TC630-M8-A0F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	✖
DIN 6535 HA 	★ TC630-M5-A1F-	M 5	0,8	4	2,4	16,2	57	21	6	4	✖
	★ TC630-M6-A1F-	M 6	1	4,8	3	19,5	57	22	6	4	✖
	★ TC630-M8-A1F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	✖

B 6

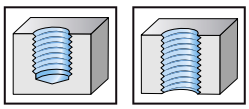
Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Universal orbital thread milling cutters
– Best operational smoothness thanks to Walter DeVibe technology

≤ 3×D_N | 15° | 48HRC | DeVibe

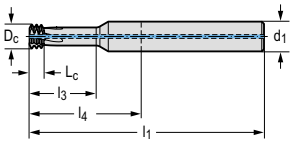
M-MF
DIN 13



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

DIN 6535 HA



Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M8-A5F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	●
★ TC630-M10-A5F-	M 10	1,5	8,2	4,5	30,75	72	34	10	5	●
★ TC630-M12-A5F-	M 12	1,75	9,75	5,25	36,88	80	40	10	5	●
★ TC630-M14-A5F-	M 14	2	11,4	6	43	92	47	12	5	●
★ TC630-M16-A5F-	M 16	2	13,3	6	49	102	54	16	6	●
★ TC630-M18-A5F-	M 18	2,5	14,75	7,5	55,25	108	60	16	6	●

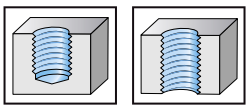
B 6

Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Universal orbital thread milling cutters
– Best operational smoothness thanks to Walter DeVibe technology

M-MF
DIN 13

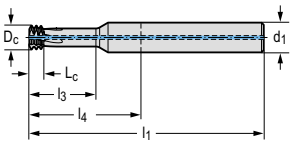


≤ 4×D_N | 15° | 48HRC | DeVibe

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

DIN 6535 HA



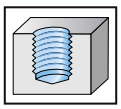
Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h8 mm	Z	WB10TJ
★ TC630-M8-A5H-	M 8	1,25	6,4	3,75	32,63	72	36	8	4	●
★ TC630-M10-A5H-	M 10	1,5	8,2	4,5	40,75	85	45	10	5	●
★ TC630-M12-A5H-	M 12	1,75	9,75	5,25	48,88	92	52	10	5	●
★ TC630-M16-A5H-	M 16	2	13,3	6	65	115	70	16	6	●

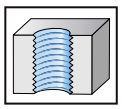
Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Universal orbital thread milling cutters

MF
DIN 13





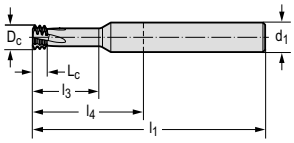
≤ 2,5×D_N

48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

DIN 6535 HA



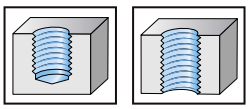
Designation	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M5X0.5-A0E-	M5X0.5	0,5	4,3	1,5	12,75	57	21	6	4	✖
★ TC630-M6X0.75-A0E-	M 6X0.75	0,75	5	2,25	15,38	57	21	6	4	✖
★ TC630-M10X1-A0E-	M 10X1	1	8,55	3	25,5	72	32	10	5	✖
★ TC630-M10X1.25A0E-	M 10X1.2	1,25	8,35	3,75	25,63	72	32	10	5	✖
★ TC630-M14X1-A0E-	M 14X1	1	12	3	35,5	83	38	12	5	✖
★ TC630-M14X1.5-A0E-	M 14X1.5	1,5	11,9	4,5	35,75	83	38	12	5	✖

Solid carbide orbital thread milling cutters

TC630 Supreme mm

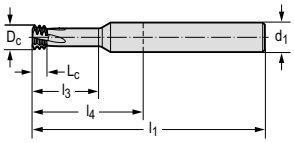
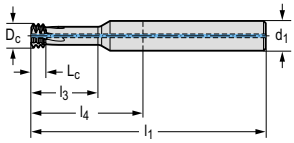
– Universal orbital thread milling cutters

UNC
ASME B1.1



≤ 2×D_N | 15° | 48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool	Designation	D_N-P	Threads per inch	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
DIN 6535 HA 	★ TC630-UNC1-A0D-	UNC #1-64	64	1,4	0,79	3,91	38	10	3	4	✖
	★ TC630-UNC2-A0D-	UNC #2-56	56	1,6	1,36	4,59	57	21	6	4	✖
	★ TC630-UNC4-A0D-	UNC #4-40	40	2,1	1,91	6,7	57	21	6	4	✖
	★ TC630-UNC6-A0D-	UNC #6-32	32	2,6	2,38	8,3	57	21	6	4	✖
	★ TC630-UNC8-A0D-	UNC #8-32	32	3,25	2,38	8,73	57	21	6	4	✖
	★ TC630-UNC10-A0D-	UNC #10-24	24	3,55	3,18	11,3	57	21	6	4	✖
DIN 6535 HA 	★ TC630-UNC1/4-A1D-	UNC 1/4-20	20	4,85	3,81	14,7	57	21	6	4	✖
	★ TC630-UNC5/16-A1D-	UNC 5/16-18	18	6,2	4,23	18,1	63	27	8	4	✖

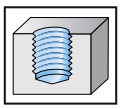
B6

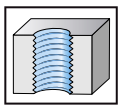
Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Universal orbital thread milling cutters

UNC
ASME B1.1





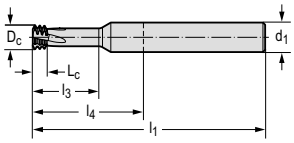
≤ 3×D_N

48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

DIN 6535 HA



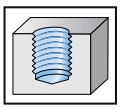
Designation	D_N-P	Threads per inch	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNC1-A0F-	UNC #1-64	64	1,4	0,79	5,76	38	10	3	4	●
★ TC630-UNC2-A0F-	UNC #2-56	56	1,6	1,36	7,25	57	21	6	4	●
★ TC630-UNC3-A0F-	UNC #3-48	48	1,85	1,59	7,81	57	21	6	4	●
★ TC630-UNC4-A0F-	UNC #4-40	40	2,1	1,91	9,5	57	21	6	4	●
★ TC630-UNC6-A0F-	UNC #6-32	32	2,6	2,38	11,75	57	21	6	4	●
★ TC630-UNC8-A0F-	UNC #8-32	32	3,25	2,38	13,7	57	21	6	4	●
★ TC630-UNC10-A0F-	UNC #10-24	24	3,55	3,18	16,1	57	21	6	4	●
★ TC630-UNC1/4-A0F-	UNC 1/4-20	20	4,85	3,81	21	57	24	6	4	●
★ TC630-UNC5/16-A0F-	UNC 5/16-18	18	6,2	4,23	25,95	63	29	8	4	●

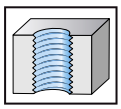
Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Universal orbital thread milling cutters
– Best operational smoothness thanks to Walter DeVibe technology

UNC
ASME B1.1



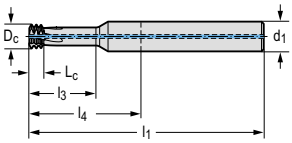


≤ 3×D_N | 15° | 48HRC | DeVibe

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

DIN 6535 HA



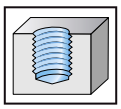
Designation	D_N-P	Threads per inch	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNC5/16-A5F-	UNC 5/16-18	18	6,2	4,23	25,95	63	29	8	4	●
★ TC630-UNC3/8-A5F-	UNC 3/8-16	16	7,55	4,76	29,37	68	32	8	5	●
★ TC630-UNC1/2-A5F-	UNC 1/2-13	13	10,25	5,86	39,08	89	44	12	5	●
★ TC630-UNC5/8-A5F-	UNC 5/8-11	11	12,9	6,93	48,78	103	55	16	5	●
★ TC630-UNC3/4-A5F-	UNC 3/4-10	10	15,7	7,62	58,42	110	62	16	6	●

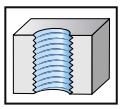
Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Universal orbital thread milling cutters

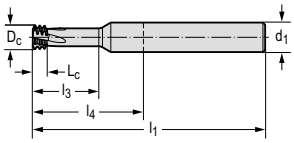
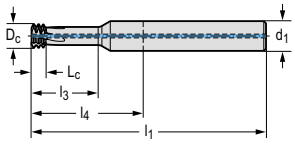
UNF
ASME B1.1





≤ 2×D_N

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool	Designation	D_N-P	Threads per inch	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
DIN 6535 HA 	★ TC630-UNF10-A0D-	UNF #10-32	32	3,85	2,38	10,9	57	21	6	4	✖
DIN 6535 HA 	★ TC630-UNF1/4-A1D-	UNF 1/4-28	28	5,25	2,72	14,1	57	21	6	4	✖
	★ TC630-UNF5/16-A1D-	UNF 5/16-24	24	6,55	3,18	17,5	63	27	8	4	✖
	★ TC630-UNF3/8-A1D-	UNF 3/8-24	24	8	3,18	20,7	63	27	8	5	✖

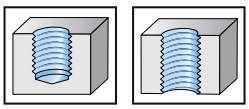
B 6

Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Universal orbital thread milling cutters

UNF
ASME B1.1

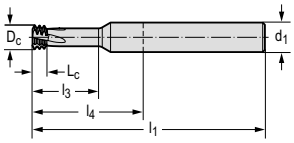


≤ 3×D_N | 15° | 48HRC

	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

DIN 6535 HA



Designation	D_N-P	Threads per inch	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNF1-A0F-	UNF #1-72	72	1,4	0,71	5,74	38	10	3	4	✖
★ TC630-UNF5-A0F-	UNF #5-44	44	2,45	1,73	9,82	57	21	6	4	✖
★ TC630-UNF6-A0F-	UNF #6-40	40	2,75	1,91	11,5	57	21	6	4	✖
★ TC630-UNF8-A0F-	UNF #8-36	36	3,25	2,12	12,85	57	21	6	4	✖
★ TC630-UNF10-A0F-	UNF #10-32	32	3,85	2,38	15,7	57	21	6	4	✖
★ TC630-UNF1/4-A0F-	UNF 1/4-28	28	5,25	2,72	20,45	57	22	6	4	✖
★ TC630-UNF5/16-A0F-	UNF 5/16-24	24	6,55	3,18	25,4	63	28	8	4	✖

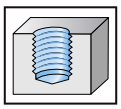
Solid carbide orbital thread milling cutters

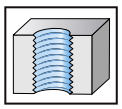
TC630 Supreme mm

– Universal orbital thread milling cutters
– Best operational smoothness thanks to Walter DeVibe technology

≤ 3×D_N | 15° | 48HRC | DeVibe

UNF
ASME B1.1

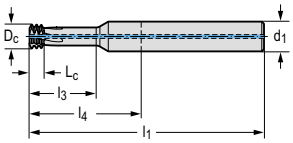




	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

DIN 6535 HA



Designation	D_N-P	Threads per inch	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNF7/16-A5F-	UNF 7/16-20	20	9,4	3,81	33,98	77	37	10	5	●
★ TC630-UNF9/16-A5F-	UNF 9/16-18	18	12	4,23	43,57	91	46	12	5	●
★ TC630-UNF3/4-A5F-	UNF 3/4-16	16	16,6	4,76	57,95	110	62	18	6	●

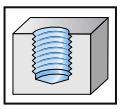
B 6

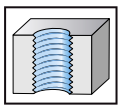
Solid carbide orbital thread milling cutters

TC630 Supreme mm

– Specialist for the aerospace industry
– Ideal for engine components

STI-UNF
NASM 33537





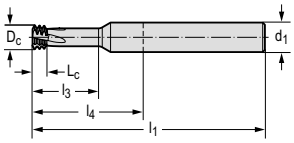
≤ 2×D_N

48HRC

	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Tool

DIN 6535 HA



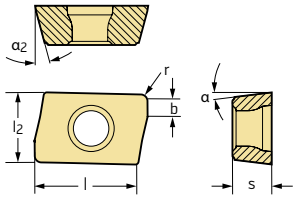
Designation	D_N-P	Threads per inch	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10RA
★ TC630-SUNF10-A0D-	STIUNF #10-32	32	4,85	2,38	12,12	57	21	6	4	●
★ TC630-SUNF1/4-A0D-	STIUNF 1/4-28	28	6,3	2,72	15,52	63	27	8	4	●
★ TC630-SUNF5/16A0D-	STIUNF 5/16-24	24	7,85	3,17	19,16	63	27	8	5	●
★ TC630-SUNF3/8-A0D-	STIUNF 3/8-24	24	9,35	3,17	22,33	72	32	10	5	●

B6

Milling tools with indexable inserts – C2

Indexable inserts for milling	Positive indexable inserts	186
	Negative indexable inserts	201
	Indexable inserts for tangential fitting	205
Indexable insert milling cutters	High-feed milling cutters	208
	Shoulder milling cutters	210
	Copy milling cutters	234

Positive rhombic
ACGT / ACMT
Tiger·tec® Gold



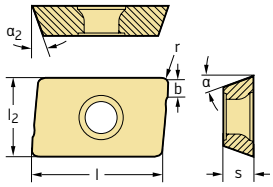
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	α	$α_2$	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSP45G	S HC WSP45S
	ACGT060204R-G65	G	2	6,7	4,4	2,38	0,4	7°	15°	0,9	☺	☹	☹	☠	☠	☹	☠	☠			☹	☠	☠			☹	☠	☠
	ACGT060204R-M85	G	2	6,7	4,4	2,38	0,4	7°	15°	0,9														☺	☹			
	ACMT060202R-G55	M	2	6,7	4,4	2,38	0,2	7°	15°	1		☹	☹	☠	☠		☠	☠				☠	☠				☠	☠
	ACMT060204R-G55	M	2	6,7	4,4	2,38	0,4	7°	15°	0,9	☺	☹	☹	☠	☠	☹	☠	☠	☺	☹	☹	☠	☠			☹	☠	☠
	ACMT060208R-G55	M	2	6,7	4,4	2,38	0,8	7°	15°	0,8		☹	☹	☠	☠		☠	☠				☠	☠				☠	☠
	ACMT060212R-G55	M	2	6,7	4,4	2,38	1,2	7°	15°	0,6		☹	☹	☠	☠		☠	☠				☠	☠				☠	☠
	ACMT060216R-G55	M	2	6,7	4,4	2,38	1,6	7°	15°	0,1		☹	☹	☠	☠		☠	☠				☠	☠				☠	☠
	ACMT060204R-K55	M	2	6,7	4,4	2,38	0,4	7°	15°	0,9		☺	☺	☹	☹	☺	☹	☹				☹	☹			☺	☹	☹

HC = Coated carbide
HW = Uncoated carbide

C2

Positive rhombic
ADMT
Tiger·tec® Gold



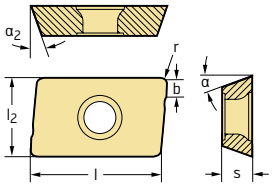
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	α	$α_2$	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	ADMT080304R-D56	M	2	9,52	6,75	3,35	0,4	15°	20°	1,2	●	●	●		○			○	●		●	○	○				○	
	ADMT120408R-D56	M	2	13,6	8,4	4,76	0,8	15°	20°	1,2	●	●	●	○	○		○	○	●	●	●	○	○			○	○	
	ADMT160608R-D56	M	2	17,5	10,8	6,15	0,8	15°	20°	1,6	●	●	●	○	○		○	○	●	●	●	○	○			○	○	
	ADMT180712R-D56	M	2	19	14,5	7,04	1,2	15°	17°	1,8	●	●	●	○	○		○	○		●	●	○	○			○	○	
	ADMT080302R-F56	M	2	9,52	6,75	3,35	0,2	15°	20°	1,2		●	●		○	●			○				○	○	●			○	
	ADMT080304L-F56	M	2	9,52	6,75	3,35	0,4	15°	20°	1,2		●	●		○				○				○	○				○	
	ADMT080304R-F56	M	2	9,52	6,75	3,35	0,4	15°	20°	1,2	●	●	●		○	●			○	●		●	○	○	●			○	
	ADMT080308L-F56	M	2	9,52	6,75	3,35	0,8	15°	20°	1,2		●	●		○				○				○	○				○	
	ADMT080308R-F56	M	2	9,52	6,75	3,35	0,8	15°	20°	1,2		●	●	○	○	●		○	○				○	○	●		○	○	
	ADMT080312R-F56	M	2	9,52	6,75	3,35	1,2	15°	20°	1		●	●		○	●			○				○	○	●			○	
	ADMT080316R-F56	M	2	9,52	6,75	3,35	1,6	15°	20°	1		●	●		○	●			○				○	○	●			○	
	ADMT080320R-F56	M	2	9,52	6,75	3,35	2	15°	20°	1		●	●		○	●			○				○	○	●			○	
	ADMT10T304R-F56	M	2	11,3	7,25	3,8	0,4	15°	15°	1,2		●	●		○	●			○				○	○	●			○	
	ADMT10T308R-F56	M	2	11,3	7,25	3,8	0,8	15°	15°	1,2	●	●	●	○	○	●	○	○	●	●	●	○	○	○	●	○	○	○
	ADMT10T312R-F56	M	2	11,3	7,25	3,8	1,2	15°	15°	1,2		●	●		○	●			○				○	○	●			○	
	ADMT10T316R-F56	M	2	11,3	7,25	3,8	1,6	15°	15°	1,2		●	●		○	●	○		○				○	○	●	○		○	
	ADMT10T320R-F56	M	2	11,3	7,25	3,8	2	15°	15°	1		●	●		○	●	○		○				○	○	●	○		○	
	ADMT10T325R-F56	M	2	11,3	7,25	3,8	2,5	15°	15°	1		●			○	●			○				○		●			○	
	ADMT10T330R-F56	M	2	11,3	7,25	3,8	3	15°	15°	0,8		●	●		○	●			○				○	○	●			○	
	ADMT10T332R-F56	M	2	11,3	7,25	3,8	3,2	15°	15°	0,8		●			○	●	○		○				○		●	○		○	
	ADMT120404R-F56	M	2	13,6	8,4	4,76	0,4	15°	20°	1,2		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT120408L-F56	M	2	13,6	8,4	4,76	0,8	15°	20°	1,2		●	●	○	○			○	○				○	○			○	○
	ADMT120408R-F56	M	2	13,6	8,4	4,76	0,8	15°	20°	1,2	●	●	●	○	○	●	○	○	○	●	●	○	○	○	●	○	○	○
	ADMT120412R-F56	M	2	13,6	8,4	4,76	1,2	15°	20°	1,2		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT120416L-F56	M	2	13,6	8,4	4,76	1,6	15°	20°	1		●	●	○	○			○	○				○	○			○	○
	ADMT120416R-F56	M	2	13,6	8,4	4,76	1,6	15°	20°	1		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT120420R-F56	M	2	13,6	8,4	4,76	2	15°	20°	1		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT120425L-F56	M	2	13,6	8,4	4,76	2,5	15°	20°	0,8		●	●		○				○				○	○				○
	ADMT120425R-F56	M	2	13,6	8,4	4,76	2,5	15°	20°	0,8		●	●	○	○			○	○				○	○			○	○
	ADMT120430L-F56	M	2	13,6	8,4	4,76	3	15°	20°	0,8		●	●	○	○			○	○				○	○			○	○
	ADMT120430R-F56	M	2	13,6	8,4	4,76	3	15°	20°	0,8		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT120432R-F56	M	2	13,6	8,4	4,76	3,2	15°	20°	0,8		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT120440L-F56	M	2	13,6	8,4	4,76	4	15°	20°	0,4		●		○	○			○	○				○				○	○
	ADMT120440R-F56	M	2	13,6	8,4	4,76	4	15°	20°	0,4		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT160608L-F56	M	2	17,5	10,8	6,15	0,8	15°	20°	1,6		●	●	○	○			○	○				○	○			○	○
	ADMT160608R-F56	M	2	17,5	10,8	6,15	0,8	15°	20°	1,6	●	●	●	○	○	●	○	○	○	●	●	○	○	○	●	○	○	○
	ADMT160612R-F56	M	2	17,5	10,8	6,15	1,2	15°	20°	1,6		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT160616L-F56	M	2	17,5	10,8	6,15	1,6	15°	20°	1,4		●	●	○	○			○	○				○	○			○	○
	ADMT160616R-F56	M	2	17,5	10,8	6,15	1,6	15°	20°	1,4		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT160620R-F56	M	2	17,5	10,8	6,15	2	15°	20°	1,4		●	●	○	○	●	○	○	○				○	○	●	○	○	○
	ADMT160625L-F56	M	2	17,5	10,8	6,15	2,5	15°	20°	1,2		●			○				○				○					○
	ADMT160625R-F56	M	2	17,5	10,8	6,15	2,5	15°	20°	1,2		●	●	○	○	●		○	○				○	○	●		○	○
	ADMT160630L-F56	M	2	17,5	10,8	6,15	3	15°	20°	1,2		●	●	○	○			○	○				○	○			○	○
	ADMT160630R-F56	M	2	17,5	10,8	6,15	3	15°	20°	1,2		●	●	○	○	●	○	○	○				○	○	●	○	○	○

HC = Coated carbide

C2

Positive rhombic
ADMT
Tiger·tec® Gold



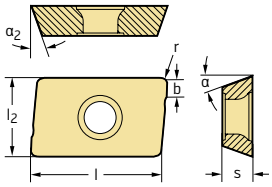
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	α	$α_2$	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	ADMT160632R-F56	M	2	17,5	10,8	6,15	3,2	15°	20°	1,2		●	●	✗	✗	●	✗	✗	✗				✗	✗	●	✗	✗	✗	
	ADMT160640L-F56	M	2	17,5	10,8	6,15	4	15°	20°	1		●	●		✗				✗				✗	✗				✗	
	ADMT160640R-F56	M	2	17,5	10,8	6,15	4	15°	20°	1		●	●	✗	✗	●	✗	✗	✗				✗	✗	●	✗	✗	✗	
	ADMT160650R-F56	M	2	17,5	10,8	6,15	5	15°	20°			●	●	✗	✗	●	✗	✗	✗				✗	✗	●	✗	✗	✗	
	ADMT160660R-F56	M	2	17,5	10,8	6,15	6	15°	20°			●	●	✗	✗	●	✗	✗	✗				✗	✗	●	✗	✗	✗	
	ADMT180712R-F56	M	2	19	14,5	7,04	1,2	15°	17°	1,8	●	●	●	✗	✗			✗	✗		●	●	✗	✗			✗	✗	
	ADMT080304R-G56	M	2	9,52	6,75	3,35	0,4	15°	20°	1,2		●	●		●	●			●				●	●	●			●	
	ADMT10T308R-G56	M	2	11,3	7,25	3,8	0,8	15°	15°	1,2		●	●		●	●			●				●	●	●			●	
	ADMT120408R-G56	M	2	13,6	8,4	4,76	0,8	15°	20°	1,2		●	●	●	●	●		●	●				●	●	●		●	●	
	ADMT160608R-G56	M	2	17,5	10,8	6,15	0,8	15°	20°	1,6		●	●	●	●	●		●	●				●	●	●		●	●	

HC = Coated carbide

C2

Positive rhombic
ADGT
Tiger·tec® Gold



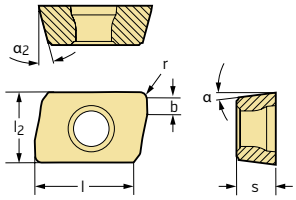
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	α	$α_2$	b mm	P					M			K				S		
												HC					HC			HC				HC	
											WKP25S	WKP35G	WKP35S	WSP45G	WSP45S	WSM35S	WSP45G	WSP45S	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSP45G	WSP45S
	ADGT0803PER-D51	G	2	9,52	6,75	3,35	0,4	15°	20°	1,2	☺	☹	☹		☹			☹		☹	☹	☹			☹
	ADGT1204PER-D51	G	2	13,6	8,4	4,76	0,8	15°	20°	1,2	☺	☹	☹	☹	☹		☹	☹		☹	☹	☹		☹	☹
	ADGT1606PER-D51	G	2	17,5	10,8	6,15	0,8	15°	20°	1,6	☺	☹	☹	☹	☹		☹	☹		☹	☹	☹		☹	☹
	ADGT1807PER-D51	G	2	19	14,5	7,94	1,2	15°	17°	1,8		☹	☹								☹	☹			
	ADGT1204PER-D56	G	2	13,6	8,4	4,76	0,8	15°	20°	1,2	☺	☹	☹	☹	☹		☹	☹		☹	☹	☹		☹	☹
	ADGT1606PER-D56	G	2	17,5	10,8	6,15	0,8	15°	20°	1,6	☺	☹	☹	☹	☹		☹	☹	☹	☹	☹	☹		☹	☹
	ADGT1807PER-D56	G	2	19	14,5	7,94	1,2	15°	17°	1,8		☹	☹	☹	☹		☹	☹			☹	☹		☹	☹
	ADGT10T3PER-D67	G	2	11,3	7,25	3,8	0,8	15°	15°	1,2		☹	☹		☹	☹		☹			☹	☹	☹		☹
	ADGT120416R-D67	G	2	13,6	8,4	4,76	1,6	15°	20°	1				☹	☹		☹	☹						☹	☹
	ADGT1204PER-D67	G	2	13,6	8,4	4,76	0,8	15°	20°	1,2		☹	☹	☹	☹	☹	☹	☹			☹	☹	☹	☹	☹
	ADGT160616R-D67	G	2	17,5	10,8	6,15	1,6	15°	20°	1				☹	☹		☹	☹						☹	☹
	ADGT1606PER-D67	G	2	17,5	10,8	6,15	0,8	15°	20°	1,6		☹	☹	☹	☹	☹	☹	☹			☹	☹	☹	☹	☹
	ADGT0803PER-F56	G	2	9,52	6,75	3,35	0,4	15°	20°	1,2					☹	☹		☹					☹		☹
	ADGT120404R-F56	G	2	13,6	8,4	4,76	0,4	15°	20°	1,2				☹	☹		☹	☹						☹	☹
	ADGT120430R-F56	G	2	13,6	8,4	4,76	3	15°	20°	0,8				☹			☹							☹	
	ADGT120440R-F56	G	2	13,6	8,4	4,76	4	15°	20°	0,4				☹	☹		☹	☹						☹	☹
	ADGT1204PER-F56	G	2	13,6	8,4	4,76	0,8	15°	20°	1,2				☹	☹	☹	☹	☹					☹	☹	☹
	ADGT160612R-F56	G	2	17,5	10,8	6,15	1,2	15°	20°	1,6				☹			☹							☹	
	ADGT160616R-F56	G	2	17,5	10,8	6,15	1,6	15°	20°	1,4				☹	☹		☹	☹						☹	☹
	ADGT160620R-F56	G	2	17,5	10,8	6,15	2	15°	20°	1,4				☹	☹		☹	☹						☹	☹
	ADGT160632R-F56	G	2	17,5	10,8	6,15	3,2	15°	20°	1,2				☹	☹		☹	☹						☹	☹
	ADGT160640R-F56	G	2	17,5	10,8	6,15	4	15°	20°	1				☹	☹		☹	☹						☹	☹
	ADGT1606PER-F56	G	2	17,5	10,8	6,15	0,8	15°	20°	1,6				☹	☹	☹	☹	☹					☹	☹	☹
	ADGT10T3PER-G77	G	2	11,3	7,25	3,8	0,8	15°	15°	1,2					☹	☹		☹					☹		☹
	ADGT1204PER-G77	G	2	13,6	8,4	4,76	0,8	15°	20°	1,2				☹	☹	☹	☹	☹					☹	☹	☹
	ADGT1606PER-G77	G	2	17,5	10,8	6,15	0,8	15°	20°	1,2				☹	☹	☹	☹	☹					☹	☹	☹

HC = Coated carbide

C2

Positive rhombic
BCGT / BCHT / BCMT
Tiger·tec® Gold



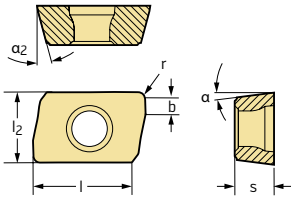
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	α	$α_2$	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	BCGT090304R-G55	G	2	10,3	6,3	3,21	0,4	7°	15°	1,2	☺	☺	☺	☹		☺		☹		☺		☺	☹	☹			☺		☹	
	BCGT120408R-G55	G	2	13,8	7,6	4,8	0,8	7°	15°	1,3	☺	☺	☺	☹	☹	☺		☹	☹	☺		☺	☹	☹			☺		☹	☹
	BCGT160508R-G55	G	2	17,3	9,9	5,75	0,8	7°	15°	2	☺	☺	☺	☹	☹	☺		☹	☹	☺		☺	☹	☹			☺		☹	☹
	BCGT090304R-K85	G	2	10,3	6,3	3,21	0,4	7°	15°	1,2															☺	☺				
	BCHT120404R-K85	H	2	13,8	7,6	4,8	0,4	7°	15°	1,7															☺	☺				
	BCHT120408R-K85	H	2	13,8	7,6	4,8	0,8	7°	15°	1,3															☺	☺				
	BCHT120412R-K85	H	2	13,8	7,6	4,8	1,2	7°	15°	1,2															☺	☺				
	BCHT120416R-K85	H	2	13,8	7,6	4,8	1,6	7°	15°	1,1															☺	☺				
	BCHT120420R-K85	H	2	13,8	7,6	4,8	2	7°	15°	1,2															☺	☺				
	BCHT120425R-K85	H	2	13,8	7,6	4,8	2,5	7°	15°	1															☺	☺				
	BCHT120430R-K85	H	2	13,8	7,6	4,8	3	7°	15°	0,7															☺	☺				
	BCHT120440R-K85	H	2	13,8	7,6	4,8	4	7°	15°	0,4															☺	☺				
	BCHT160508R-K85	H	2	17,3	9,9	5,75	0,8	7°	15°	2															☺	☺				
	BCHT160512R-K85	H	2	17,3	9,9	5,75	1,2	7°	15°	1,7															☺	☺				
	BCHT160516R-K85	H	2	17,3	9,9	5,75	1,6	7°	15°	1,7															☺	☺				
	BCHT160520R-K85	H	2	17,3	9,9	5,75	2	7°	15°	1,5															☺	☺				
	BCHT160525R-K85	H	2	17,3	9,9	5,75	2,5	7°	15°	1,4															☺	☺				
	BCHT160530R-K85	H	2	17,3	9,9	5,75	3	7°	15°	1,2															☺	☺				
	BCHT160540R-K85	H	2	17,3	9,9	5,75	4	7°	15°	1,1															☺	☺				
	BCMT090304R-F55	M	2	10,3	6,3	3,21	0,4	7°	15°	1,2	☺	☺	☺	☹			☹	☹		☺	☺	☺	☹	☹				☹	☹	
	BCMT120408R-F55	M	2	13,8	7,3	4,8	0,8	7°	15°	1,3	☺	☺	☺	☹	☹			☹	☹	☺	☺	☺	☹	☹					☹	☹
	BCMT160508R-F55	M	2	17,3	9,9	5,75	0,8	7°	15°	2	☺	☺	☺	☹	☹		☹	☹	☹	☺	☺	☺	☹	☹				☹	☹	☹
	BCMT090302R-G55	M	2	10,3	6,3	3,21	0,2	7°	15°	1,4		☺	☺	☹				☹					☹	☹					☹	
	BCMT090304R-G55	M	2	10,3	6,3	3,21	0,4	7°	15°	1,2	☺	☺	☺	☹		☺	☹	☹		☺	☺	☺	☹	☹			☺	☹	☹	
	BCMT090308R-G55	M	2	10,3	6,3	3,21	0,8	7°	15°	0,8		☺	☺	☹			☹	☹					☹	☹				☹	☹	
	BCMT090312R-G55	M	2	10,3	6,3	3,21	1,2	7°	15°	0,4		☺	☺	☹				☹					☹	☹					☹	
	BCMT090316R-G55	M	2	10,3	6,3	3,21	1,6	7°	15°	0,4		☺	☺	☹			☹	☹					☹	☹				☹	☹	
	BCMT090320R-G55	M	2	10,3	6,3	3,21	2	7°	15°	0,4		☺	☺	☹			☹	☹					☹	☹				☹	☹	
	BCMT090330R-G55	M	2	10,3	6,3	3,21	3	7°	15°	0,4							☹											☹		
	BCMT120404R-G55	M	2	13,8	7,3	4,8	0,4	7°	15°	1,3		☺	☺	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120408R-G55	M	2	13,8	7,3	4,8	0,8	7°	15°	1,3	☺	☺	☺	☹	☹	☺	☹	☹	☹	☺	☺	☺	☹	☹			☺	☹	☹	☹
	BCMT120412R-G55	M	2	13,8	7,3	4,8	1,2	7°	15°	1,2		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120416R-G55	M	2	13,8	7,3	4,8	1,6	7°	15°	1,1		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120420R-G55	M	2	13,8	7,3	4,8	2	7°	15°	1,2		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120425R-G55	M	2	13,8	7,3	4,8	2,5	7°	15°	1		☺	☺	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120430R-G55	M	2	13,8	7,3	4,8	3	7°	15°	0,7		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120432R-G55	M	2	13,8	7,3	4,8	3,2	7°	15°	0,5		☺	☺	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120440R-G55	M	2	13,8	7,3	4,8	4	7°	15°	0,4		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160508R-G55	M	2	17,3	9,9	5,75	0,8	7°	15°	2	☺	☺	☺	☹	☹	☺	☹	☹	☹	☺	☺	☺	☹	☹			☺	☹	☹	☹
	BCMT160512R-G55	M	2	17,3	9,9	5,75	1,2	7°	15°	1,7		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160516R-G55	M	2	17,3	9,9	5,75	1,6	7°	15°	1,5		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160520R-G55	M	2	17,3	9,9	5,75	2	7°	15°	1,5		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160525R-G55	M	2	17,3	9,9	5,75	2,5	7°	15°	1,4		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹

HC = Coated carbide
HW = Uncoated carbide

C2

Positive rhombic
BCGT / BCHT / BCMT
Tiger·tec® Gold



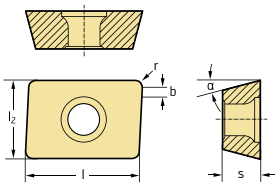
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	α	$α_2$	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	BCMT160530R-G55	M	2	17,3	9,9	5,75	3	7°	15°	1,2		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160532R-G55	M	2	17,3	9,9	5,75	3,2	7°	15°	1,1		☺	☺	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT160540R-G55	M	2	17,3	9,9	5,75	4	7°	15°	1,1		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT160550R-G55	M	2	17,3	9,9	5,75	5	7°	15°	0,7		☺	☺	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT160560R-G55	M	2	17,3	9,9	5,75	6	7°	15°	0,1		☺	☺	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT090304R-K55	M	2	10,3	6,3	3,21	0,4	7°	15°	1,2		☺	☺	☺		☺		☺					☺	☺			☺		☺	
	BCMT120408R-K55	M	2	13,8	7,3	4,8	0,8	7°	15°	1,3		☺	☺	☺	☺	☺		☺	☺				☺	☺			☺		☺	☺
	BCMT160508R-K55	M	2	17,3	9,9	5,75	0,8	7°	15°	2		☺	☺	☺	☺	☺	☹	☺	☺				☺	☺			☺	☹	☺	☺

HC = Coated carbide
HW = Uncoated carbide

C2

Positive rhombic
LDMT
Tiger·tec® Gold



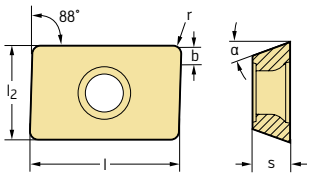
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	α	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	LDMT08T204R-D51	M	2	8,88	6,1	2,58	0,4	15°	0,8	☺	☹	☹		☹			☹			☹	☹	☹			☹
	LDMT14T308R-D51	M	2	14,1	9,68	4,08	0,8	15°	1,2	☺	☹	☹	☹	☹		☹	☹			☹	☹	☹		☹	☹
	LDMT170408R-D51	M	2	17,24	11,78	4,92	0,8	15°	1,6	☺	☹	☹	☹	☹		☹	☹			☹	☹	☹		☹	☹
	LDMT170412R-D51	M	2	17,24	11,78	4,92	1,2	15°	1,6		☹	☹		☹			☹				☹	☹			☹
	LDMT08T204R-D57	M	2	8,88	6,1	2,58	0,4	15°	0,8	☺	☹	☹		☹	☹		☹		☹	☹	☹	☹	☹		☹
	LDMT14T308R-D57	M	2	14,1	9,68	4,08	0,8	15°	1,2	☺	☹	☹	☹	☹	☹	☹	☹		☹	☹	☹	☹	☹	☹	☹
	LDMT170408R-D57	M	2	17,24	11,78	4,92	0,8	15°	1,6	☺	☹	☹	☹	☹	☹	☹	☹		☹	☹	☹	☹	☹	☹	☹
	LDMT08T204R-F57	M	2	8,88	6,1	2,58	0,4	15°	0,8	☺	☹	☹		☹	☹		☹	☺		☹	☹	☹	☹		☹
	LDMT14T308R-F57	M	2	14,1	9,68	4,08	0,8	15°	1,2	☺	☹	☹	☹	☹	☹	☹	☹	☺		☹	☹	☹	☹	☹	☹
	LDMT170408R-F57	M	2	17,24	11,78	4,92	0,8	15°	1,6	☺	☹	☹	☹	☹	☹	☹	☹	☺		☹	☹	☹	☹	☹	☹

HC = Coated carbide

C2

Positive rhombic
LPMT
Tiger·tec® Gold

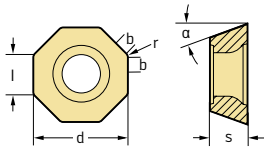


Indexable inserts

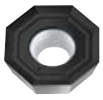
	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	α	b mm	P HC WKP25S	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35S	S HC WSP45G	S HC WSP45S
	LPMT070304R-D51	M	2	7,94	6,35	3,18	0,4	11°	1,2	☺	☺					☺	☺		
	LPMT15T308R-D51	M	2	15	9,52	3,97	0,8	11°	1,4	☺	☺		☹		☹	☺	☺		☹
	LPMT150412R-D51	M	2	15,88	12,7	4,76	1,2	11°	1,6	☺	☺		☹		☹	☺	☺		☹
	LPMT150612R-D51	M	2	15,88	12,7	6,35	1,2	11°			☺	☹	☹	☹	☹		☹	☹	☹

HC = Coated carbide

Positive octagonal
ODHT
Tiger·tec® Gold



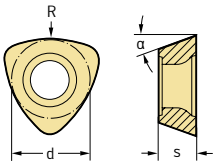
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	l mm	s mm	r mm	α	b mm	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	S HC WSP45G	S HC WSP45S
	ODHT0504ZZN-G77	H	8	12,7	5,26	4,76	0,8	15°	1,6	☹	☺	☹	☹	☹	☹
	ODHT0605ZZN-G77	H	8	15,88	6,58	5,56	0,8	15°	1,6	☹	☺	☹	☹	☹	☹

HC = Coated carbide

C2

Positive triangular
P26315 / P26325
Tiger·tec® Gold



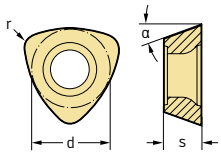
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	s mm	α	R mm	P HC WKP25S	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35S	S HC WSP45G	S HC WSP45S
	P26315R10	M	3	6,75	2,78	14°	10	●	●	✗	●	✗	●	●	●	✗	●
	P26315R12	M	3	8,5	3,18	14°	12,5	●	●	✗	●	✗	●	●	●	✗	●
	P26315R15	M	3	10,5	3,97	14°	15	●	●	✗	●	✗	●	●	●	✗	●
	P26315R16	M	3	10,5	3,97	14°	16	●	●	✗	●	✗	●	●	●	✗	●
	P26315R20	M	3	12,5	4,76	11°	20	●	●	✗	●	✗	●	●	●	✗	●
	P26315R25	M	3	12,7	4,76	11°	25	●	●	✗	●	✗	●	●	●	✗	●
	P26315R31	M	3	12,7	4,76	11°	31,5	●	●	✗	●	✗	●	●	●	✗	●
	P26325R31	M	3	12,7	4,76	11°	31,5	●	●	✗	●	✗	●	●	●	✗	●

HC = Coated carbide

C2

Positive triangular
P26337
Tiger·tec® Gold

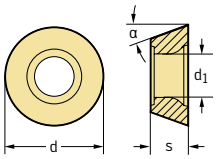


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	s mm	r mm	α	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	K HC WKP35G	K HC WKP35S	S HC WSP45G	S HC WSP45S
	P26337R10	M	3	6,75	3,18	0,8	14°	✖	✖	☹	✖	☹	✖	✖	✖	☹	✖
	P26337R14	M	3	9,52	3,97	1,2	14°	✖	✖	☹	✖	☹	✖	✖	✖	☹	✖
	P26337R25	M	3	13	5,56	2	14°	✖	✖	☹	✖	☹	✖	✖	✖	☹	✖

HC = Coated carbide

Positive round
RDHX / RDMX
Tiger·tec® Gold



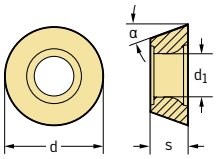
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	s mm	α	d_1 mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	M HC WSM35S	M HC WSP45G	K HC WHH15	K HC WHH15X	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	H HC WHH15X
	RDHX0501M0-A57	H	4	5	1,47	15°	2,2		✖	✖				☺	☺	☹		✖	✖			☺
	RDHX0702M0-A57	H	4	7	2,35	15°	2,8							☺	☺							☺
	RDHX07T1M0-A57	H	4	7	1,96	15°	2,8	☹	✖	✖				☺	☺	☹	☹	✖	✖			☺
	RDHX1003M0-A57	H	4	10	3,18	15°	4,4		✖	✖				☺	☺			✖	✖			☺
	RDHX12T3M0-A57	H	6	12	3,97	15°	4,4		✖	✖				☺	☺			✖	✖			☺
	RDHX1604M0-A57	H	4	16	4,76	15°	5,5		✖	✖				☺	☺			✖	✖			☺
	RDHX2006M0-A57	H	4	20	6	15°	5,5		✖	✖				☺	☺			✖	✖			☺
	RDMX0501M0-D57	M	4	5	1,45	15°	2,2	☺	☹	☹	✖	☹	✖			☹	☹	✖	✖	☹	✖	
	RDMX07T1M0-D57	M	4	7	1,94	15°	2,8	☺	☹	☹	✖	☹	✖			☹	☹	✖	✖	☹	✖	
	RDMX1003M0-D57	M	4	10	3,18	15°	4,4		☹	☹	✖		✖					✖	✖		✖	
	RDMX12T3M0-D57	M	4	12	3,97	15°	4,4		☹	☹	✖		✖					✖	✖		✖	
	RDMX1604M0-D57	M	4	16	4,76	15°	5,5		☹	☹	✖		✖					✖	✖		✖	
	RDMX2006M0-D57	M	4	20	6	15°	5,5		☹	☹	✖		✖					✖	✖		✖	

HC = Coated carbide

C2

Positive round
RDHW

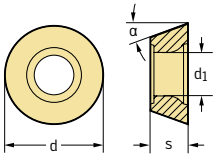


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	s mm	α	d_1 mm	K HC WHH15	H HC WHH15X
	RDHW0803M0-A57	H	4	8	3,18	15°	3,4	☺	☺
	RDHW10T3M0-A57	H	4	10	3,97	15°	4,4	☺	☺
	RDHW1204M0-A57	H	6	12	4,76	15°	4,4	☺	☺
	RDHW1605M0-A57	H	6	16	5,56	15°	5,5	☺	☺
	RDHW2006M0-A57	H	6	20	6,35	15°	6,5	☺	☺

HC = Coated carbide

Positive round
ROGX / ROHX / ROMX
Tiger·tec® Gold

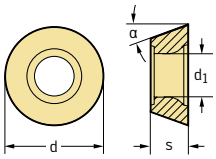


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	s mm	α	d_1 mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WHH15X	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S	H HC WHH15X
	ROGX0803M04-G88	G	4	8	3,18	11°	3,4															☹					
	ROGX2006M08-G88	G	8	20	6,35	15°	6,5															☹					
	ROGX10T3M08-G88	G	8	10	3,97	11°	3,9															☺					
	ROGX1204M08-G88	G	8	12	4,76	11°	4,4															☺					
	ROGX1605M08-G88	G	8	16	5,56	15°	5,5															☹					
	ROHX0803M04-A57	H	4	8	3,18	11°	3,4	☹	☹	☹							☺	☹	☹	☹	☹						☺
	ROHX0803M04-D57	H	4	8	3,18	11°	3,4			☹	☹		☹		☹						☹		☹		☹		
	ROHX0803M04-D67	H	4	8	3,18	11°	3,4				☹				☹										☹		

HW = Uncoated carbide
HC = Coated carbide

Positive round
ROGX / ROHX / ROMX
Tiger·tec® Gold



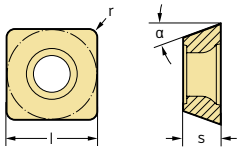
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	s mm	α	d_1 mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WHH15X	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HW WK10	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S	H HC WHH15X
	ROHX2006M0T8-A27	H	8	20	6,35	15°	6,5			✗											✗						
	ROHX2006M08-A57	H	8	20	6,35	15°	6,5	☺	✗	✗							☻	☺	☺	✗	✗						☻
	ROHX10T3M08-A57	H	8	10	3,97	11°	3,9	☺	✗	✗							☻	☺	☺	✗	✗						☻
	ROHX1204M08-A57	H	8	12	4,76	11°	4,4	☺	✗	✗							☻	☺	☺	✗	✗						☻
	ROHX1605M08-A57	H	8	16	5,56	15°	5,5	☺	✗	✗							☻	☺	☺	✗	✗						☻
	ROHX2006M08-D57	H	8	20	6,35	15°	6,5			☺											✗						
	ROMX0803M04-D57	M	4	8	3,18	11°	3,4	☻		☺	✗		☺		✗			☺	☺		✗		☺		✗		
	ROMX2006M0T8-A27	M	8	20	6,35	15°	6,5	☺	✗	✗								☺	☺	✗	✗						
	ROMX10T3M0T8-A27	M	8	10	3,97	11°	3,9	☺	✗	✗								☺	☺	✗	✗						
	ROMX1204M0T8-A27	M	8	12	4,76	11°	4,4	☺	✗	✗								☺	☺	✗	✗						
	ROMX1605M0T8-A27	M	8	16	5,56	15°	5,5	☺	✗	✗								☺	☺	✗	✗						
	ROMX2006M08-D57	M	8	20	6,35	15°	6,5	☻	☺	☺	✗		☺		✗			☺	☺	✗	✗		☺		✗		
	ROMX10T3M08-D57	M	8	10	3,97	11°	3,9	☻	☺	☺	✗		☺		✗			☺	☺	✗	✗		☺		✗		
	ROMX1204M08-D57	M	8	12	4,76	11°	4,4	☻	☺	☺	✗		☺		✗			☺	☺	✗	✗		☺		✗		
	ROMX1605M08-D57	M	8	16	5,56	15°	5,5	☻	☺	☺	✗		☺		✗			☺	☺	✗	✗		☺		✗		
	ROMX10T3M08-F67	M	8	10	3,97	11°	3,9				✗		☺	✗	✗								☺	✗	✗		
	ROMX1204M08-F67	M	8	12	4,76	11°	4,4				✗		☺	✗	✗								☺	✗	✗		
	ROMX1605M08-F67	M	8	16	5,56	15°	5,5				✗		☺	✗	✗								☺	✗	✗		
	ROMX10T3M0-D67	M	4	10	3,97	11°	4,4				✗	✗	☺	✗	✗	✗							☺	✗	✗	✗	
	ROMX1204M0-D67	M	4	12	4,76	11°	4,4				✗	✗	☺	✗	✗	✗							☺	✗	✗	✗	
	ROMX10T3M0-F67	M	4	10	3,97	11°	4,4				✗	✗		✗	✗	✗								✗	✗	✗	
	ROMX1204M0-F67	M	4	12	4,76	11°	4,4				✗	✗		✗	✗	✗								✗	✗	✗	

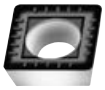
HW = Uncoated carbide
HC = Coated carbide

C2

Positive square
SPGT / SPMT
Tiger·tec® Gold



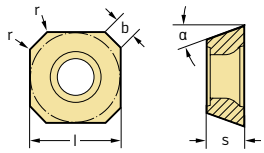
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	s mm	r mm	α	P HC WKP25S	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	SPGT120606-F57	G	4	12,7	6,35	0,6	11°			✗	✗	✓	✗	✗			✓	✗	✗
	SPMT060304-D51	M	4	6,35	3,18	0,4	11°	☺	✓	✗	✗	✓	✗	✗	✓	✗	✓	✗	✗
	SPMT09T308-D51	M	4	9,52	3,97	0,8	11°	☺	✓	✗	✗	✓	✗	✗	✓	✗	✓	✗	✗
	SPMT120408-D51	M	4	12,7	4,76	0,8	11°	☺	✓	✗	✗	✓	✗	✗	✓	✗	✓	✗	✗
	SPMT120606-D51	M	4	12,7	6,35	0,6	11°		✓	✗	✗		✗	✗		✗		✗	✗
	SPMT120606-D57	M	4	12,7	6,35	0,6	11°	☺	✓	✗	✗		✗	✗	✓	✗		✗	✗

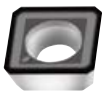
HC = Coated carbide

C2

Positive square
SPKT
Tiger·tec® Gold

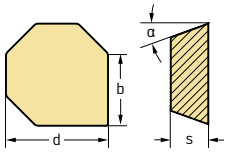


Indexable inserts

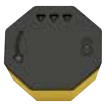
	Designation	Tolerance class	Number of cutting edges	l mm	s mm	α	b mm	P HC WKP25S	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKP25S	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	SPKT1204AZN	K	4	12,7	4,76	11°	1,4	☺	☹	☹	☹	☺	☹	☹	☺	☺	☹	☺	☹	☹
	SPKT1504AZN	K	4	15,88	4,76	11°	1,7		☹								☹			

HC = Coated carbide

Finishing inserts
OPHX



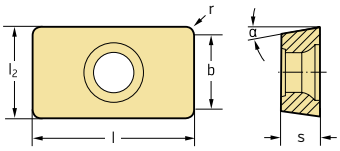
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	s mm	α	b mm	K HC WAK15	K HC WHH15	H HC WHH15X
	OPHX0504ZZN-A57	H	8	12,7	4,76	11°	5	☺	☺	☺

HC = Coated carbide

C2

Positive rhombic
BCGX



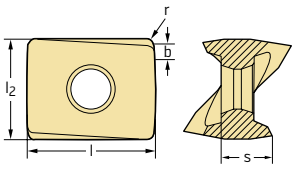
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	α	b mm	K HC WAK15	K HC WHH15	K HC WXM15	H HC WHH15X
	BCGX0903PDR-G55	G	2	10,3	6,3	3,21	0,4	7°	5	☺	☺	☺	☺
	BCGX1605PDR-G55	G	2	17,3	9,9	5,81	0,8	7°	8	☺	☺	☺	☺

HC = Coated carbide

C2

Negative rhombic
LNGX
Tiger·tec® Gold

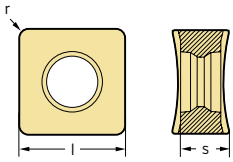


Indexable inserts

Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
LNGX130708R-L55	G	4	13,7	11	7,74	0,8	1,2	●	●	●	✖	✖	●	✖	✖	●	●	●	✖	✖	●	✖	✖
LNGX130712R-L55	G	4	13,7	11	7,74	1,2	1	●	●	●	✖	✖	●	✖	✖			●	✖	✖	●	✖	✖
LNGX130716R-L55	G	4	13,7	11	7,74	1,6	0,9	●	●	●	✖	✖	●	✖	✖			●	✖	✖	●	✖	✖
LNGX130720R-L55	G	4	13,7	11	7,74	2	0,7	●	●	●	✖	✖	●	✖	✖			●	✖	✖	●	✖	✖
LNGX130725R-L55	G	4	13,7	11	7,74	2,5	0,6	●	●	●			●					●	✖	✖	●		
LNGX130730R-L55	G	4	13,7	11	7,74	3	0,7	●	●	●								●	✖	✖			

HC = Coated carbide

Negative square
SNMX
Tiger·tec® Gold



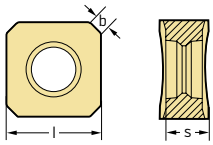
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l mm	s mm	r mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
SNMX090408-F57	M	8	9,52	4,85	0,8	●	●	●	✖	✖	●	✖	✖	●	●	✖	✖	●	✖	✖
SNMX120512-F57	M	8	12,7	5,5	1,2	●	●	●	✖	✖	●	✖	✖	●	●	✖	✖	●	✖	✖
SNMX120520-F57	M	8	12,7	5,5	2	●	●	●	✖	✖	●	✖	✖	●	●	✖	✖	●	✖	✖
SNMX160620-F57	M	8	16	6,38	2	●	●	●	✖	✖		✖	✖		●	✖	✖		✖	✖
SNMX160640-F57	M	8	16	6,38	4		●		✖			✖				✖			✖	
SNMX090408-F67	M	8	9,52	4,87	0,8	●	●	●	✖	✖	●	✖	✖		●	✖	✖	●	✖	✖
SNMX120512-F67	M	8	12,7	5,63	1,2	●	●	●	✖	✖	●	✖	✖		●	✖	✖	●	✖	✖

HC = Coated carbide

C2

Negative square
SNGX
Tiger·tec® Gold

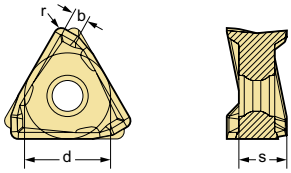


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	s mm	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	SNGX0904ANN-F57	G	8	9,52	4,69	1,2	☺	☹	☹	☠	☠	☹	☠	☠	☹	☹	☠	☠	☹	☠	☠
	SNGX1205ANN-F57	G	8	12,7	5,54	1,5	☺	☹	☹	☠	☠	☹	☠	☠	☹	☹	☠	☠	☹	☠	☠
	SNGX1606ANN-F57	G	8	16	6,3	1,8		☹	☹	☠	☠		☠	☠			☠	☠		☠	☠

HC = Coated carbide

Negative triangular
TNMU
Tiger·tec® Gold



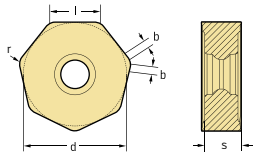
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	s mm	r mm	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSP45G	S HC WSP45S
	TNMU11T304R-G57	M	6	6,72	3,75	0,4	1	☺	☹	☹	☠		☠		☹	☠	☠	☠	
	TNMU160508R-G57	M	6	9,6	5,35	0,8	1,6	☺	☹	☹	☠	☠	☠	☠	☹	☠	☠	☠	☠

HC = Coated carbide

C2

Negative heptagonal
XNGU / XNMU
Tiger·tec® Gold



Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	l mm	s mm	r mm	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	XNGU0705ANN-F57	G	14	14,5	6,98	5	0,8	1,1	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	XNMU0705ANN-F57	M	14	14,5	6,98	5	0,8	1,1	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	XNMU0906ANN-F57	M	14	19,05	9,18	5,88	0,8	1,4	☺	☹		☠	☠	☹	☠	☠	☹	☠		☹	☠	☠

HC = Coated carbide

Negative heptagonal
XNMU
Tiger·tec® Gold

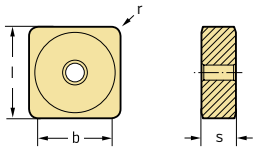
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d mm	l mm	s mm	r mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	XNMU070508-F57	M	14	14,5	6,98	5	0,8	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	XNMU090612-F57	M	14	19,05	9,18	5,88	1,2	☺	☹		☠	☠		☠	☠	☹	☠			☠	☠

HC = Coated carbide

C2

Finishing inserts
SNEF



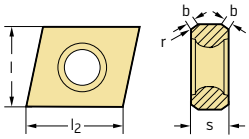
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	s mm	r mm	b mm	H HC WHH15X
	SNEF1204PNN-A27	E	8	12,7	4,76	1,2	10,3	☺

HC = Coated carbide

C2

Tangential rhombic
CNHU / CNMU
Tiger·tec® Gold



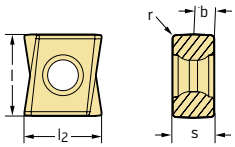
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	b mm	P HC WKP25S	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	CNHU0805PPN-D57T	H	2	8	9	5	0,8	1,2	☺	☺	☹	☹		☹	☹	☺	☹		☹	☹
	CNHU1206PPN-D57T	H	2	12	13	6,5	0,8	1,5	☺	☺	☹	☹		☹	☹	☺	☹		☹	☹
	CNMU080508-D57T	M	2	8	9	5	0,8		☺	☺	☹	☹	☺	☹	☹	☺	☹	☺	☹	☹
	CNMU120608-D57T	M	2	12	13	6,5	0,8		☺	☺	☹	☹		☹	☹	☺	☹		☹	☹
	CNMU160812-D57T	M	2	16	15	8	1,2		☺	☺	☹	☹		☹	☹	☺	☹		☹	☹

Note: l_2 = Width of cut

HC = Coated carbide

Tangential rhombic
LNHU / LNMU
Tiger·tec® Gold



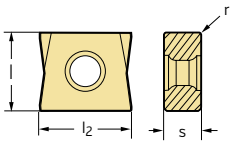
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	b mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSM45X	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSM45X	S HC WSP45G	S HC WSP45S
	LNHU090404R-L55T	H	4	9	8,5	4,5	0,4	1,5	☺	☺	☺	☹	☹	☺		☹	☹	☺	☺	☺	☹	☹	☺		☹	☹
	LNHU090408R-L55T	H	4	9	8,5	4,5	0,8	1,1	☺	☺	☺	☹	☹	☺		☹	☹		☺	☺	☹	☹	☺		☹	☹
	LNHU090412R-L55T	H	4	9	8,5	4,5	1,2	0,8		☺	☺	☹	☹	☺		☹	☹				☹	☹	☺		☹	☹
	LNHU090416R-L55T	H	4	9	8,5	4,5	1,6			☺	☺	☹	☹	☺		☹	☹				☹	☹	☺		☹	☹
	LNHU090420R-L55T	H	4	9	8,5	4,5	2			☺	☺	☹	☹	☺		☹	☹				☹	☹	☺		☹	☹
	LNHU130608R-L55T	H	4	13	12	6,8	0,8	2,2	☺	☺	☺	☹	☹	☺		☹	☹	☺	☺	☺	☹	☹	☺		☹	☹
	LNHU130612R-L55T	H	4	13	12	6,8	1,2	1,9		☺	☺	☹	☹	☺		☹	☹				☹	☹	☺		☹	☹
	LNHU130616R-L55T	H	4	13	12	6,8	1,6	1,5		☺	☺	☹	☹	☺		☹	☹				☹	☹	☺		☹	☹
	LNHU130620R-L55T	H	4	13	12	6,8	2	1,2		☺	☺	☹	☹	☺		☹	☹				☹	☹	☺		☹	☹
	LNHU130625R-L55T	H	4	13	12	6,8	2,5	0,7		☺	☺	☹	☹	☺		☹	☹				☹	☹	☺		☹	☹
	LNHU130630R-L55T	H	4	13	12	6,8	3	2,3		☺	☺	☹	☹	☺		☹	☹				☹	☹	☺		☹	☹
	LNHU130632R-L55T	H	4	13	12	6,8	3,2			☺	☺	☹	☹	☺		☹	☹				☹	☹	☺		☹	☹
	LNHU160708R-L55T	H	4	16	15,5	7,2	0,8	2,3	☺	☺	☺	☹	☹	☺		☹	☹		☺	☺	☹	☹	☺		☹	☹
	LNHU160712R-L55T	H	4	16	15,5	7,2	1,2	1,9				☹				☹									☹	
	LNMU090404R-L55T	M	4	9	8,5	4,5	0,4	1,5	☺	☺	☺	☹	☹		☹	☹	☹		☺	☺	☹	☹		☹	☹	☹
	LNMU130608R-L55T	M	4	13	12	6,8	0,8	2,2	☺	☺	☺	☹	☹		☹	☹	☹		☺	☺	☹	☹		☹	☹	☹

HC = Coated carbide

C2

Tangential rhombic
LNHU / LNMU
Tiger·tec® Gold



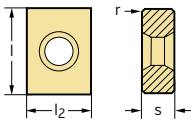
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSM35S	M HC WSP45G	M HC WSP45S	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSM35S	S HC WSP45G	S HC WSP45S
	LNHU080304-F57T	H	4	8	9	3,5	0,4	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	LNHU080404-F57T	H	4	8	9,4	4,5	0,4	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	LNHU100508-F57T	H	4	10	12,3	5,5	0,8	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	LNHU120608-F57T	H	4	12	13,9	6,5	0,8	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	LNHU160812-F57T	H	4	16	16,9	8	1,2	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	LNMU080304-F57T	M	4	8	9	3,5	0,4	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	LNMU080404-F57T	M	4	8	9,4	4,5	0,4	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	LNMU100508-F57T	M	4	10	12,3	5,5	0,8	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	LNMU120608-F57T	M	4	12	13,9	6,5	0,8	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠
	LNMU160812-F57T	M	4	16	16,9	8	1,2	☺	☹	☹	☠	☠	☹	☠	☠	☹	☠	☠	☹	☠	☠

HC = Coated carbide

C2

Tangential rhombic
LNMU
Tiger·tec® Gold



Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l mm	l_2 mm	s mm	r mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	P HC WSP45S	M HC WSP45G	M HC WSP45S	K HC WAK15	K HC WKP25S	K HC WKP35G	K HC WKP35S	S HC WSP45G	S HC WSP45S
	LNMU150812-F57T	M	4	15	14	8	1,2	☺	☹	☹	☹	☹	☹	☹	☺	☹	☹	☹	☹	☹
	LNMU201012-F57T	M	4	20	16	10	1,2	☺		☹		☹		☹		☹		☹		☹

HC = Coated carbide

C2

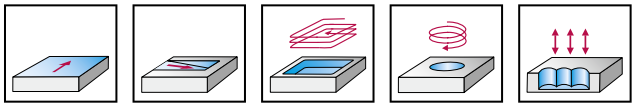
High-feed milling cutters

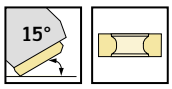
M5008 mm

ENMX08T316R

Xtra·tec® XT

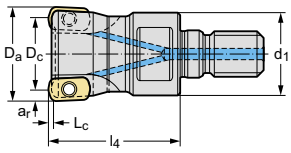
– 4 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5008	●●	●●	●●		●●	●●	

Tool	Designation	D_c mm	D_a mm	d_1 mm	l_4 mm	L_c mm	a_r mm	Z	kg	No. of index-able inserts	Type
Cylindrical, modular	M5008-016-TC08-02-01	10,1	16	M8	25	1	2,9	2	0,03	2	ENMX08T316R
	M5008-020-TC10-03-01	14,1	20	M10	30	1	2,9	3	0,04	3	
	M5008-020-TC10-04-01	14,1	20	M10	30	1	2,9	4	0,04	4	
	M5008-025-TC12-04-01	19,1	25	M12	35	1	2,9	4	0,08	4	
	M5008-025-TC12-05-01	19,1	25	M12	35	1	2,9	5	0,08	5	
	M5008-030-TC16-04-01	24,1	30	M16	40	1	2,9	4	0,16	4	
	M5008-030-TC16-05-01	24,1	30	M16	40	1	2,9	5	0,16	5	
	M5008-032-TC16-05-01	26,1	32	M16	40	1	2,9	5	0,17	5	
	M5008-032-TC16-06-01	26,1	32	M16	40	1	2,9	6	0,17	6	
	M5008-035-TC16-05-01	29,1	35	M16	40	1	2,9	5	0,19	5	
	M5008-035-TC16-06-01	29,1	35	M16	40	1	2,9	6	0,2	6	
	★ M5008-040-TC16-06-01	34,1	40	M16	40	1	2,9	6	0,22	6	
	★ M5008-040-TC16-08-01	34,1	40	M16	40	1	2,9	8	0,23	8	
	★ M5008-042-TC16-06-01	36,1	42	M16	40	1	2,9	6	0,24	6	
	★ M5008-042-TC16-08-01	36,1	42	M16	40	1	2,9	8	0,25	8	

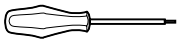


Bodies and assembly parts are included in the scope of delivery.

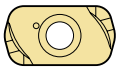
Assembly parts

	D_c [mm]	10,1–36,1
	Clamping screw for indexable insert Tightening torque	FS1454 (T8IP) 1,2 Nm

Accessories

	D_c [mm]	10,1–36,1
	Torque screwdriver, analogue	FS2001
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2012 (T8IP)
	Screwdriver	FS1483 (T8IP)

Indexable inserts

	Designation	r mm	P HC					M HC			K HC				S HC				H HC
			WKP25S	WKP35G	WKP35S	WSP45G	WSP45S	WSM35S	WSP45G	WSP45S	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X	WSP45G	WSP45S	WHH15X
	ENMX08T316R-D27	1,6	☺	☹	☹	✖	✖	☹	✖	✖	☹	☹	✖	✖	☹		✖	✖	☺
	ENMX08T316R-F47	1,6	☺	☹	☹	✖	✖	☹	✖	✖	☹	☹	✖	✖	☹	✖	✖	✖	

HC = Coated carbide

C2

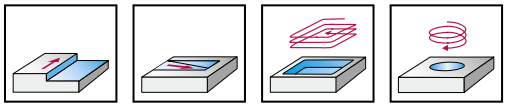
Shoulder milling cutters

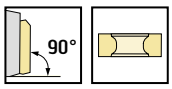
M5137 mm

TNMU11T304R

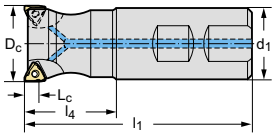
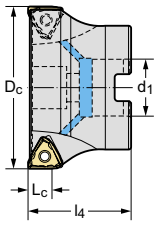
Xtra·tec® XT

– 6 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5137	●●	●●	●●		●●		

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of indexable inserts	Type
DIN 1835 B 	★ M5137-025-W25-03-05	25	25	40	96	5	3	0,3	3	TNMU11T304R
	★ M5137-032-W32-04-05	32	32	40	101	5	4	0,53	4	
	★ M5137-032-W32-05-05	32	32	40	101	5	5	0,53	5	
Parallel bore DIN 138 transverse keyway 	★ M5137-040-B16-05-05	40	16	40		5	5	0,19	5	TNMU11T304R
	★ M5137-040-B16-06-05	40	16	40		5	6	0,19	6	
	★ M5137-050-B22-06-05	50	22	40		5	6	0,29	6	
	★ M5137-050-B22-08-05	50	22	40		5	8	0,29	8	
	★ M5137-063-B22-07-05	63	22	40		5	7	0,48	7	
	★ M5137-063-B22-09-05	63	22	40		5	9	0,48	9	

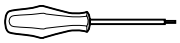
Bodies and assembly parts are included in the scope of delivery.

C2

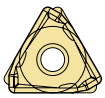
Assembly parts

	D_c [mm]	25–63
	Clamping screw for indexable insert Tightening torque	FS2061 (T7IP) 0,9 Nm

Accessories

	D_c [mm]	25–63
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)

Indexable inserts

	Designation	r mm	b mm	P HC				M HC	K HC			S HC
				WKP25S	WKP35G	WKP35S	WSP45G	WSP45G	WKP25S	WKP35G	WKP35S	WSP45G
	TNMU11T304R-G57	0,4	1	●	●	●	✖	✖	●	✖	✖	✖

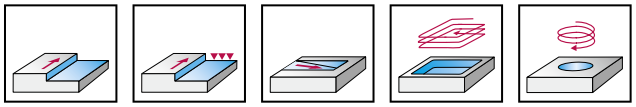
HC = Coated carbide

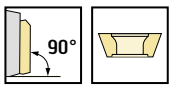
Shoulder milling cutters

M5130 mm

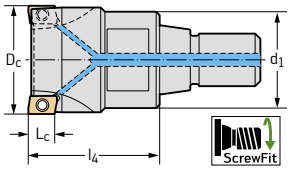
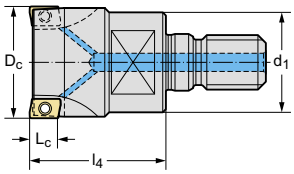
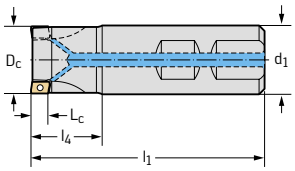
AC .. 0602 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

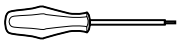
Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5130-010-T09-02-05	10	T09	20		5	2	0,02	2	AC .. 0602 .. R
	M5130-012-T09-03-05	12	T09	20		5	3	0,02	3	
	M5130-016-T14-03-05	16	T14	25		5	3	0,04	3	
	M5130-016-T14-04-05	16	T14	25		5	4	0,03	4	
	M5130-020-T18-04-05	20	T18	25		5	4	0,05	4	
	M5130-020-T18-05-05	20	T18	25		5	5	0,05	5	
	M5130-025-T22-05-05	25	T22	30		5	5	0,1	5	
	M5130-025-T22-07-05	25	T22	30		5	7	0,1	7	
	M5130-032-T28-06-05	32	T28	35		5	6	0,19	6	
	M5130-032-T28-08-05	32	T28	35		5	8	0,2	8	
	M5130-040-T36-07-05	40	T36	35		5	7	0,34	7	
	M5130-040-T36-10-05	40	T36	35		5	10	0,35	10	
Cylindrical, modular 	M5130-010-TC06-02-05	10	M6	20		5	2	0,01	2	AC .. 0602 .. R
	M5130-012-TC06-03-05	12	M6	20		5	3	0,01	3	
	M5130-016-TC08-03-05	16	M8	25		5	3	0,03	3	
	M5130-016-TC08-04-05	16	M8	25		5	4	0,03	4	
	M5130-020-TC10-04-05	20	M10	25		5	4	0,05	4	
	M5130-020-TC10-05-05	20	M10	25		5	5	0,05	5	
	M5130-025-TC12-05-05	25	M12	30		5	5	0,1	5	
	M5130-025-TC12-07-05	25	M12	30		5	7	0,1	7	
	M5130-032-TC16-06-05	32	M16	35		5	6	0,19	6	
	M5130-032-TC16-08-05	32	M16	35		5	8	0,2	8	
	M5130-040-TC16-07-05	40	M16	35		5	7	0,24	7	
	M5130-040-TC16-10-05	40	M16	35		5	10	0,27	10	
DIN 1835 B 	M5130-010-W10-02-05	10	10	16	60	5	2	0,03	2	AC .. 0602 .. R
	M5130-010-W16-02-05	10	16	30	80	5	2	0,09	2	
	M5130-012-W12-03-05	12	12	19	65	5	3	0,05	3	
	M5130-012-W16-03-05	12	16	30	80	5	3	0,09	3	
	M5130-016-W16-03-05	16	16	21	70	5	3	0,09	3	
	M5130-016-W16-04-05	16	16	21	70	5	4	0,11	4	
	M5130-020-W20-04-05	20	20	24	75	5	4	0,16	4	
	M5130-020-W20-05-05	20	20	24	75	5	5	0,16	5	
	M5130-025-W25-05-05	25	25	26	85	5	5	0,29	5	
	M5130-025-W25-07-05	25	25	26	85	5	7	0,29	7	

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

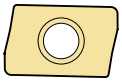
Assembly parts

	D_c [mm]	10–63
	Clamping screw for indexable insert Tightening torque	FS2560 (T6IP) 0,5 Nm

Accessories

	D_c [mm]	10–63
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	SD2001-6IP (T6IP)
	Screwdriver	SD1001-6IP (T6IP)

Indexable inserts

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

HC = Coated carbide
HW = Uncoated carbide

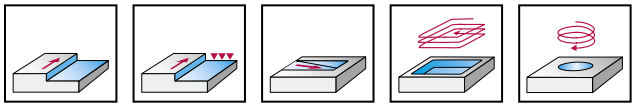
C2

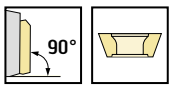
Shoulder milling cutters

M5130 mm

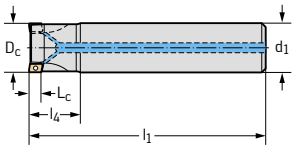
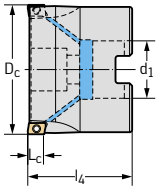
AC .. 0602 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of indexable inserts	Type
Cylindrical shank 	M5130-010-A10-02-05	10	10	16	60	5	2	0,03	2	AC .. 0602 .. R
	M5130-010-A16-02-05	10	16	30	80	5	2	0,1	2	
	M5130-012-A12-03-05	12	12	19	70	5	3	0,05	3	
	M5130-012-A16-03-05	12	16	30	80	5	3	0,09	3	
	M5130-014-A16-03-05	14	16	30	80	5	3	0,06	3	
	M5130-016-A16-03-05	16	16	21	90	5	3	0,12	3	
	M5130-016-A16-04-05	16	16	21	90	5	4	0,13	4	
	M5130-018-A16-03-05	18	16	21	90	5	3	0,13	3	
	M5130-020-A20-04-05	20	20	24	110	5	4	0,24	4	
	M5130-020-A20-05-05	20	20	24	110	5	5	0,24	5	
	M5130-022-A20-04-05	22	20	24	110	5	4	0,25	4	
	M5130-025-A25-05-05	25	25	26	120	5	5	0,42	5	
	M5130-025-A25-07-05	25	25	26	120	5	7	0,42	7	
Parallel bore DIN 138 transverse keyway 	M5130-032-B16-06-05	32	16	40		5	6	0,14	6	AC .. 0602 .. R
	M5130-032-B16-08-05	32	16	40		5	8	0,14	8	
	M5130-040-B16-07-05	40	16	40		5	7	0,27	7	
	M5130-040-B16-10-05	40	16	40		5	10	0,27	10	
	M5130-050-B22-09-05	50	22	40		5	9	0,42	9	
	M5130-050-B22-12-05	50	22	40		5	12	0,42	12	
	M5130-063-B22-11-05	63	22	40		5	11	0,54	11	
	M5130-063-B22-14-05	63	22	40		5	14	0,54	14	

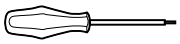
Bodies and assembly parts are included in the scope of delivery.

C2

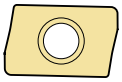
Assembly parts

	D_c [mm]	10–63
	Clamping screw for indexable insert Tightening torque	FS2560 (T6IP) 0,5 Nm

Accessories

	D_c [mm]	10–63
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	SD2001-6IP (T6IP)
	Screwdriver	SD1001-6IP (T6IP)

Indexable inserts

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

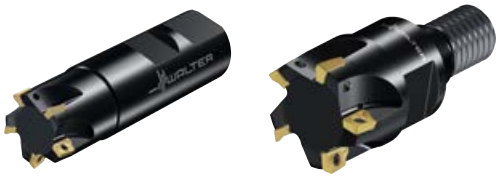
HC = Coated carbide
HW = Uncoated carbide

C2

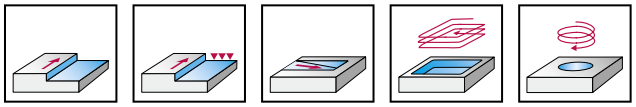
Shoulder milling cutters

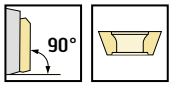
M5130 inch

AC .. 0602 .. R
Xtra·tec® XT

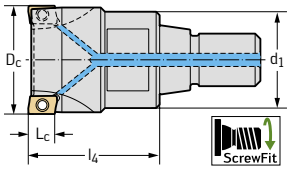
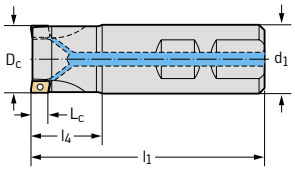
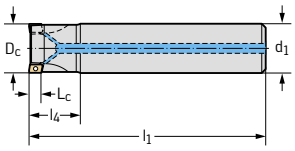
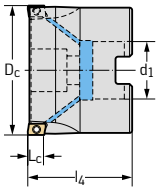


– 2 cutting edges per indexable insert





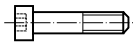
	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c inch	d_1 inch	l_4 inch	l_1 inch	L_c inch	Z	lbs	No. of indexable inserts	Type
ScrewFit 	M5130.013-T09-03-05	0,500	T09	0,787		0,197	3	0,001	3	AC .. 0602 .. R
	M5130.015-T14-03-05	0,625	T14	0,984		0,197	3	0,001	3	
	M5130.015-T14-04-05	0,625	T14	0,984		0,197	4	0,002	4	
	M5130.019-T18-04-05	0,750	T18	0,984		0,197	4	0,002	4	
	M5130.019-T18-05-05	0,750	T18	0,984		0,197	5	0,002	5	
	M5130.026-T22-05-05	1,000	T22	1,181		0,197	5	0,004	5	
	M5130.026-T22-07-05	1,000	T22	1,181		0,197	7	0,004	7	
	M5130.031-T28-06-05	1,250	T28	1,378		0,197	6	0,008	6	
	M5130.031-T28-08-05	1,250	T28	1,378		0,197	8	0,008	8	
	M5130.038-T36-07-05	1,500	T36	1,378		0,197	7	0,014	7	
	M5130.038-T36-10-05	1,500	T36	1,378		0,197	10	0,014	10	
DIN 1835 B 	M5130.013-W13-03-05	0,500	0,500	0,700	2,281	0,197	3	0,002	3	AC .. 0602 .. R
	M5130.015-W15-03-05	0,625	0,625	0,750	2,656	0,197	3	0,004	3	
	M5130.015-W15-04-05	0,625	0,625	0,750	2,656	0,197	4	0,004	4	
	M5130.019-W19-04-05	0,750	0,750	0,945	2,781	0,197	4	0,005	4	
	M5130.019-W19-05-05	0,750	0,750	0,945	2,781	0,197	5	0,005	5	
	M5130.026-W26-05-05	1,000	1,000	1,000	3,281	0,197	5	0,011	5	
	M5130.026-W26-07-05	1,000	1,000	1,000	3,281	0,197	7	0,011	7	
Cylindrical shank 	M5130.013-A13-03-05	0,500	0,500	0,750	2,531	0,197	3	0,002	3	AC .. 0602 .. R
	M5130.015-A15-03-05	0,625	0,625	0,750	3,566	0,197	3	0,005	3	
	M5130.015-A15-04-05	0,625	0,625	0,750	3,566	0,197	4	0,005	4	
	M5130.019-A19-04-05	0,750	0,750	1,000	4,250	0,197	4	0,008	4	
	M5130.019-A19-05-05	0,750	0,750	1,000	4,250	0,197	5	0,008	5	
	M5130.026-A26-05-05	1,000	1,000	1,000	4,750	0,197	5	0,017	5	
	M5130.026-A26-07-05	1,000	1,000	1,000	4,750	0,197	7	0,017	7	
Parallel bore DIN 138 transverse keyway 	M5130.051-B19-09-05	2,000	0,750	1,575		0,197	9	0,016	9	AC .. 0602 .. R
	M5130.051-B19-12-05	2,000	0,750	1,575		0,197	12	0,016	12	
	M5130.064-B26-11-05	2,500	1,000	1,575		0,197	11	0,026	11	
	M5130.064-B26-14-05	2,500	1,000	1,575		0,197	14	0,026	14	

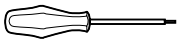
Bodies and assembly parts are included in the scope of delivery.

C2

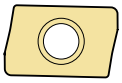
Assembly parts

	D_c [mm]	0,5–1,5	2	2,5
	Clamping screw for indexable insert Tightening torque	FS2560 (T6IP) 0,5 Nm	FS2560 (T6IP) 0,5 Nm	FS2560 (T6IP) 0,5 Nm
	Clamping screw for arbour-mounted tools		FS1518	FS1519

Accessories

	D_c [mm]	0,5–2,5
	Torque screwdriver, analogue	FS2002
	Interchangeable blade	SD2001-6IP (T6IP)
	Screwdriver	SD1001-6IP (T6IP)

Indexable inserts

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

HC = Coated carbide
HW = Uncoated carbide

C2

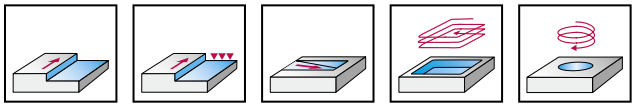
Shoulder milling cutters

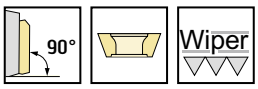
M5130 mm

BC .. 0903 .. R

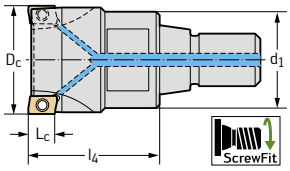
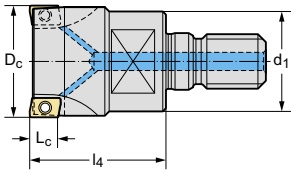
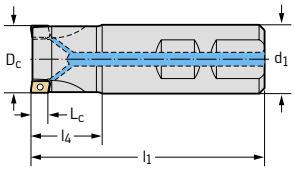
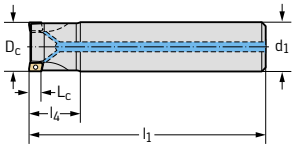
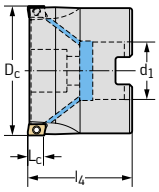
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5130-016-T14-02-09	16	T14	25		9	2	0,03	2	BC .. 0903 .. R
	M5130-020-T18-02-09	20	T18	30		9	2	0,05	2	
	M5130-020-T18-03-09	20	T18	30		9	3	0,05	3	
	M5130-025-T22-03-09	25	T22	35		9	3	0,09	3	
	M5130-025-T22-04-09	25	T22	35		9	4	0,09	4	
	M5130-032-T28-04-09	32	T28	40		9	4	0,18	4	
	M5130-032-T28-05-09	32	T28	40		9	5	0,19	5	
Cylindrical, modular 	M5130-016-TC08-02-09	16	M8	25		9	2	0,03	2	BC .. 0903 .. R
	M5130-020-TC10-02-09	20	M10	30		9	2	0,05	2	
	M5130-020-TC10-03-09	20	M10	30		9	3	0,05	3	
	M5130-025-TC12-03-09	25	M12	35		9	3	0,09	3	
	M5130-025-TC12-04-09	25	M12	35		9	4	0,09	4	
	M5130-032-TC16-04-09	32	M16	40		9	4	0,17	4	
	M5130-032-TC16-05-09	32	M16	40		9	5	0,18	5	
DIN 1835 B 	M5130-016-W16-02-09	16	16	41	90	9	2	0,12	2	BC .. 0903 .. R
	M5130-020-W20-03-09	20	20	39	90	9	3	0,18	3	
	M5130-025-W25-04-09	25	25	43	100	9	4	0,31	4	
	M5130-032-W32-05-09	32	32	49	110	9	5	0,57	5	
Cylindrical shank 	M5130-016-A16-02-09	16	16	41	180	9	2	0,25	2	BC .. 0903 .. R
	M5130-018-A16-02-09	18	16	41	180	9	2	0,26	2	
	M5130-020-A20-02-09	20	20	39	200	9	2	0,44	2	
	M5130-020-A20-03-09	20	20	39	200	9	3	0,44	3	
	M5130-022-A20-03-09	22	20	39	200	9	3	0,44	3	
	M5130-025-A25-03-09	25	25	43	200	9	3	0,68	3	
	M5130-025-A25-04-09	25	25	43	200	9	4	0,68	4	
Parallel bore DIN 138 transverse keyway 	M5130-032-B16-03-09	32	16	40		9	3	0,12	3	BC .. 0903 .. R
	M5130-032-B16-06-09	32	16	40		9	6	0,12	6	
	M5130-040-B16-04-09	40	16	40		9	4	0,19	4	
	M5130-040-B16-07-09	40	16	40		9	7	0,21	7	
	M5130-050-B22-05-09	50	22	40		9	5	0,32	5	
	M5130-050-B22-08-09	50	22	40		9	8	0,34	8	
	M5130-063-B22-07-09	63	22	40		9	7	0,5	7	
	M5130-063-B22-11-09	63	22	40		9	11	0,51	11	

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

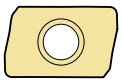
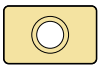
Assembly parts

D_c [mm]	16–63
Clamping screw for indexable insert Tightening torque	FS2576 (T8IP) 1,2 Nm

Accessories

D_c [mm]	16–63
Torque screwdriver, analogue	FS2001
Torque screwdriver, digital	FS2248
Interchangeable blade	FS2012 (T8IP)
Screwdriver	FS1483 (T8IP)

Indexable inserts

	Designation	r mm	b mm	P				M			K							N		S			H
				HC				HC			HC							HC	HW	HC			HC
				WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WHH15X
	BCGT090304R-G55	0,4	1,2	☺	☺	☺	☹	☺		☹	☺			☺	☹	☹				☺		☹	
	BCGT090304R-K85	0,4	1,2															☺	☺				
	BCMT090302R-G55	0,2	1,4		☺	☺	☹			☹					☹	☹						☹	
	BCMT090304R-F55	0,4	1,2	☺	☺	☺	☹		☹	☹	☺		☺	☺	☹	☹					☹	☹	
	BCMT090304R-G55	0,4	1,2	☺	☺	☺	☹	☺	☹	☹	☺		☺	☺	☹	☹				☺	☹	☹	
	BCMT090304R-K55	0,4	1,2		☺	☺	☺	☺		☺					☺	☺				☺		☺	
	BCMT090308R-G55	0,8	0,8		☺	☺	☹		☹	☹					☹	☹					☹	☹	
	BCMT090312R-G55	1,2	0,4		☺	☺	☹			☹					☹	☹						☹	
	BCMT090316R-G55	1,6	0,4		☺	☺	☹		☹	☹					☹	☹					☹	☹	
	BCMT090320R-G55	2	0,4		☺	☺	☹		☹	☹					☹	☹					☹	☹	
	BCMT090330R-G55	3	0,4						☹												☹		
	BCGX0903PDR-G55	0,4	5								☺	☺					☺						☺

HC = Coated carbide
HW = Uncoated carbide

C2

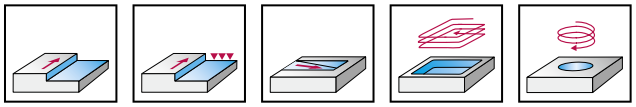
Shoulder milling cutters

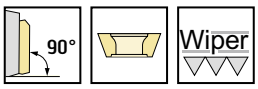
M5130 inch

BC .. 0903 .. R

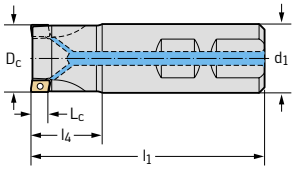
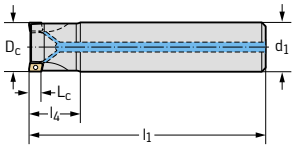
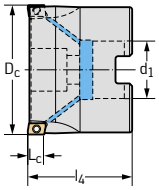
Xtra·tec® XT

– 2 cutting edges per indexable insert





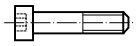
	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c inch	d_1 inch	l_4 inch	l_1 inch	L_c inch	Z	lbs	No. of indexable inserts	Type
DIN 1835 B 	M5130.015-W15-02-09	0,625	0,625	0,945	2,851	0,354	2	0,004	2	BC .. 0903 .. R
	M5130.019-W19-03-09	0,750	0,750	1,535	3,567	0,354	3	0,006	3	
	M5130.026-W26-03-09	1,000	1,000	1,181	3,462	0,354	3	0,011	3	
	M5130.026-W26-04-09	1,000	1,000	1,181	3,462	0,354	4	0,011	4	
Cylindrical shank 	M5130.015-A15-02-09	0,625	0,625	1,630	7,000	0,354	2	0,010	2	BC .. 0903 .. R
	M5130.019-A19-02-09	0,750	0,750	1,630	8,000	0,354	2	0,015	2	
	M5130.026-A26-03-09	1,000	1,000	1,750	8,000	0,354	3	0,028	3	
Parallel bore DIN 138 transverse keyway 	M5130.051-B19-05-09	2,000	0,750	1,575		0,354	5	0,014	5	BC .. 0903 .. R
	M5130.051-B19-08-09	2,000	0,750	1,575		0,354	8	0,014	8	

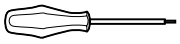
Bodies and assembly parts are included in the scope of delivery.

C2

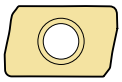
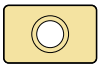
Assembly parts

	D_c [mm]	0,62–1	2
	Clamping screw for indexable insert Tightening torque	FS2576 (T8IP) 1,2 Nm	FS2576 (T8IP) 1,2 Nm
	Clamping screw for arbour-mounted tools		FS1523

Accessories

	D_c [mm]	0,62–2
	Torque screwdriver, analogue	FS2002
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2012 (T8IP)
	Screwdriver	FS1483 (T8IP)

Indexable inserts

	Designation	r mm	b mm	P HC				M HC			K HC							N HC	N HW	S HC			H HC
				WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WHH15X
	BCGT090304R-G55	0,4	1,2	☺	☺	☺	☺	☺		☺	☺			☺	☺	☺				☺		☺	
	BCGT090304R-K85	0,4	1,2															☺	☺				
	BCMT090302R-G55	0,2	1,4		☺	☺	☺			☺					☺	☺						☺	
	BCMT090304R-F55	0,4	1,2	☺	☺	☺	☺		☹	☺	☺		☺	☺	☺	☺					☹	☺	
	BCMT090304R-G55	0,4	1,2	☺	☺	☺	☺	☺	☹	☺	☺		☺	☺	☺	☺				☺	☹	☺	
	BCMT090304R-K55	0,4	1,2		☺	☺	☺	☺		☺					☺	☺				☺		☺	
	BCMT090308R-G55	0,8	0,8		☺	☺	☺		☹	☺					☺	☺					☹	☺	
	BCMT090312R-G55	1,2	0,4		☺	☺	☺			☺					☺	☺						☺	
	BCMT090316R-G55	1,6	0,4		☺	☺	☺		☹	☺					☺	☺					☹	☺	
	BCMT090320R-G55	2	0,4		☺	☺	☺		☹	☺					☺	☺					☹	☺	
	BCMT090330R-G55	3	0,4						☹												☹		
	BCGX0903PDR-G55	0,4	5								☺	☺					☺						☺

HC = Coated carbide
HW = Uncoated carbide

C2

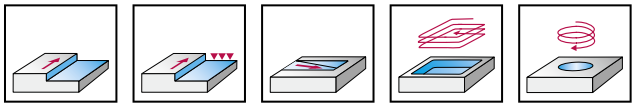
Shoulder milling cutters

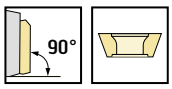
M5130 mm

BC .. 1204 .. R

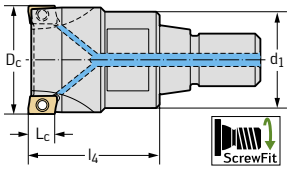
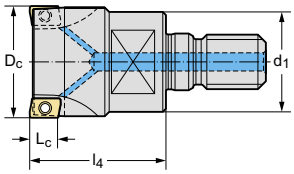
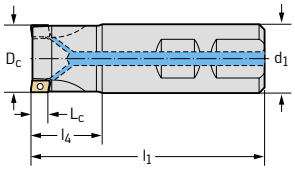
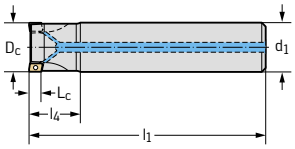
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5130-025-T22-03-12	25	T22	35		12	3	0,09	3	BC .. 1204 .. R
	M5130-032-T28-03-12	32	T28	40		12	3	0,17	3	
	M5130-032-T28-04-12	32	T28	40		12	4	0,18	4	
	M5130-040-T36-03-12	40	T36	40		12	3	0,31	3	
	M5130-040-T36-06-12	40	T36	40		12	6	0,32	6	
Cylindrical, modular 	M5130-025-TC12-03-12	25	M12	35		12	3	0,08	3	BC .. 1204 .. R
	M5130-032-TC16-03-12	32	M16	40		12	3	0,16	3	
	M5130-032-TC16-04-12	32	M16	40		12	4	0,17	4	
	M5130-040-TC16-03-12	40	M16	40		12	3	0,21	3	
	M5130-040-TC16-06-12	40	M16	40		12	6	0,22	6	
DIN 1835 B 	M5130-025-W25-03-12	25	25	43	100	12	3	0,3	3	BC .. 1204 .. R
	M5130-032-W32-03-12	32	32	49	110	12	3	0,53	3	
	M5130-032-W32-04-12	32	32	49	110	12	4	0,54	4	
	M5130-040-W32-06-12	40	32	49	110	12	6	0,65	6	
Cylindrical shank 	M5130-022-A20-02-12	22	20	38	200	12	2	0,45	2	BC .. 1204 .. R
	M5130-025-A25-02-12	25	25	38	200	12	2	0,69	2	
	M5130-025-A25-03-12	25	25	38	200	12	3	0,68	3	
	M5130-032-A32-03-12	32	32	39	250	12	3	1,4	3	
	M5130-032-A32-04-12	32	32	39	250	12	4	1,42	4	
	M5130-040-A32-05-12	40	32	44	250	12	5	1,51	5	
	M5130-040-A40-04-12	40	40	44	250	12	4	2,25	4	

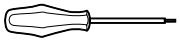
Bodies and assembly parts are included in the scope of delivery.

C2

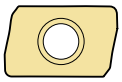
Assembly parts

	D_c [mm]	22–80
	Clamping screw for indexable insert Tightening torque	FS2573 (T9IP) 2 Nm

Accessories

	D_c [mm]	22–80
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2013 (T9IP)
	Screwdriver	FS1484 (T9IP)

Indexable inserts

	Designation	r mm	b mm	P					M				K					N		S			
					HC					HC				HC				HC	HW		HC		
				WKP25S	WKP35G	WKP35S	WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
	BCGT120408R-G55	0,8	1,3	☺	😐	😐	☹	☹	😐		☹	☹	☺		😐	☹	☹			😐		☹	☹
	BCHT120404R-K85	0,4	1,7															☺	😐				
	BCHT120408R-K85	0,8	1,3															☺	😐				
	BCHT120412R-K85	1,2	1,2															☺	😐				
	BCHT120416R-K85	1,6	1,1															☺	😐				
	BCHT120420R-K85	2	1,2															☺	😐				
	BCHT120425R-K85	2,5	1															☺	😐				
	BCHT120430R-K85	3	0,7															☺	😐				
	BCHT120440R-K85	4	0,4															☺	😐				
	BCMT120404R-G55	0,4	1,3		😐	😐	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120408R-F55	0,8	1,3	☺	😐	😐	☹	☹			☹	☹	☺	😐	😐	☹	☹					☹	☹
	BCMT120408R-G55	0,8	1,3	☺	😐	😐	☹	☹	😐	☹	☹	☹	☺	😐	😐	☹	☹			😐	☹	☹	☹
	BCMT120408R-K55	0,8	1,3		☺	☺	😐	😐	☺		😐	😐				😐	😐			☺		😐	😐
	BCMT120412R-G55	1,2	1,2		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120416R-G55	1,6	1,1		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120420R-G55	2	1,2		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120425R-G55	2,5	1		😐	😐	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120430R-G55	3	0,7		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120432R-G55	3,2	0,5		😐	😐	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120440R-G55	4	0,4		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm

HC = Coated carbide
HW = Uncoated carbide

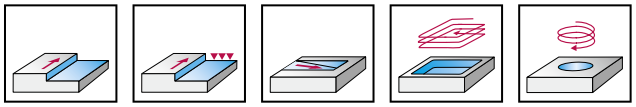
C2

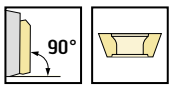
Shoulder milling cutters

M5130 mm

BC .. 1204 .. R
Xtra·tec® XT

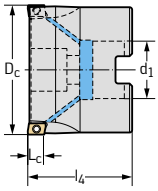
– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway	M5130-040-B16-03-12	40	16	40		12	3	0,17	3	BC .. 1204 .. R
	M5130-040-B16-04-12	40	16	40		12	4	0,18	4	
	M5130-040-B16-06-12	40	16	40		12	6	0,19	6	
	M5130-050-B22-03-12	50	22	40		12	3	0,32	3	
	M5130-050-B22-04-12	50	22	40		12	4	0,29	4	
	M5130-050-B22-07-12	50	22	40		12	7	0,31	7	
	M5130-063-B22-04-12	63	22	40		12	4	0,45	4	
	M5130-063-B22-05-12	63	22	40		12	5	0,47	5	
	M5130-063-B22-08-12	63	22	40		12	8	0,5	8	
	M5130-063-B27-04-12	63	27	50		12	4	0,66	4	
	M5130-063-B27-05-12	63	27	50		12	5	0,67	5	
	M5130-063-B27-08-12	63	27	50		12	8	0,71	8	
	M5130-080-B27-05-12	80	27	50		12	5	0,91	5	
	M5130-080-B27-06-12	80	27	50		12	6	0,94	6	
	M5130-080-B27-09-12	80	27	50		12	9	1	9	



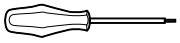
Bodies and assembly parts are included in the scope of delivery.

C2

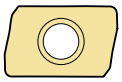
Assembly parts

	D_c [mm]	22–80
	Clamping screw for indexable insert Tightening torque	FS2573 (T9IP) 2 Nm

Accessories

	D_c [mm]	22–80
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2013 (T9IP)
	Screwdriver	FS1484 (T9IP)

Indexable inserts

	Designation	r mm	b mm	P					M				K					N		S			
					HC					HC				HC				HC	HW		HC		
				WKP25S	WKP35G	WKP35S	WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
	BCGT120408R-G55	0,8	1,3	☺	😐	😐	☹	☹	😐		☹	☹	☺		😐	☹	☹			😐		☹	☹
	BCHT120404R-K85	0,4	1,7															☺	😐				
	BCHT120408R-K85	0,8	1,3															☺	😐				
	BCHT120412R-K85	1,2	1,2															☺	😐				
	BCHT120416R-K85	1,6	1,1															☺	😐				
	BCHT120420R-K85	2	1,2															☺	😐				
	BCHT120425R-K85	2,5	1															☺	😐				
	BCHT120430R-K85	3	0,7															☺	😐				
	BCHT120440R-K85	4	0,4															☺	😐				
	BCMT120404R-G55	0,4	1,3		😐	😐	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120408R-F55	0,8	1,3	☺	😐	😐	☹	☹			☹	☹	☺	😐	😐	☹	☹					☹	☹
	BCMT120408R-G55	0,8	1,3	☺	😐	😐	☹	☹	😐	☹	☹	☹	☺	😐	😐	☹	☹			😐	☹	☹	☹
	BCMT120408R-K55	0,8	1,3		☺	☺	😐	😐	☺		😐	😐				😐	😐			☺		😐	😐
	BCMT120412R-G55	1,2	1,2		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120416R-G55	1,6	1,1		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120420R-G55	2	1,2		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120425R-G55	2,5	1		😐	😐	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120430R-G55	3	0,7		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120432R-G55	3,2	0,5		😐	😐	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120440R-G55	4	0,4		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm

HC = Coated carbide
HW = Uncoated carbide

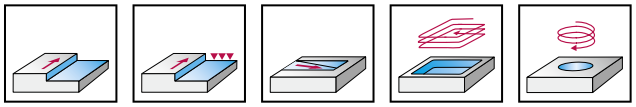
C2

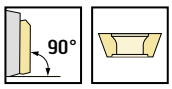
Shoulder milling cutters

M5130 inch

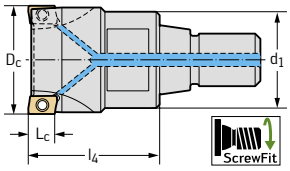
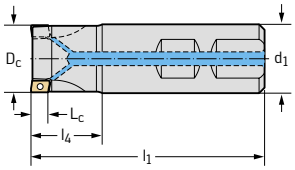
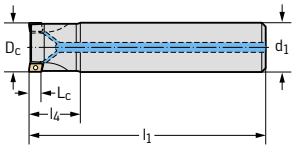
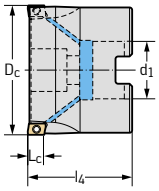
BC .. 1204 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





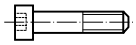
	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c inch	d_1 inch	l_4 inch	l_1 inch	L_c inch	Z	lbs	No. of indexable inserts	Type
ScrewFit 	M5130.026-T22-03-12	1,000	T22	1,378		0,472	3	0,003	3	BC .. 1204 .. R
	M5130.031-T28-03-12	1,250	T28	1,575		0,472	3	0,006	3	
	M5130.031-T28-04-12	1,250	T28	1,575		0,472	4	0,007	4	
	M5130.038-T36-06-12	1,500	T36	1,575		0,472	6	0,013	6	
	M5130.051-T45-07-12	2,000	T45	1,575		0,472	7	0,019	7	
DIN 1835 B 	M5130.019-W19-02-12	0,750	0,750	1,024	3,059	0,472	2	0,005	2	BC .. 1204 .. R
	M5130.026-W26-03-12	1,000	1,000	1,339	3,280	0,472	3	0,010	3	
	M5130.031-W31-04-12	1,250	1,250	1,417	3,697	0,472	4	0,018	4	
Cylindrical shank 	M5130.019-A19-02-12	0,750	0,750	1,030	7,530	0,472	2	0,015	2	BC .. 1204 .. R
	M5130.026-A26-03-12	1,000	1,000	1,500	8,000	0,472	3	0,028	3	
	M5130.031-A31-04-12	1,250	1,250	1,630	10,000	0,472	4	0,056	4	
Parallel bore DIN 138 transverse keyway 	M5130.038-B19-06-12	1,500	0,750	1,500		0,472	6	0,006	6	BC .. 1204 .. R
	M5130.051-B19-04-12	2,000	0,750	1,575		0,472	4	0,011	4	
	M5130.051-B19-07-12	2,000	0,750	1,575		0,472	7	0,014	7	
	M5130.064-B26-05-12	2,500	1,000	1,575		0,472	5	0,022	5	
	M5130.064-B26-08-12	2,500	1,000	1,575		0,472	8	0,021	8	
	M5130.076-B26-06-12	3,000	1,000	2,000		0,472	6	0,036	6	
	M5130.076-B26-09-12	3,000	1,000	2,000		0,472	9	0,038	9	

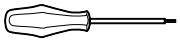
Bodies and assembly parts are included in the scope of delivery.

C2

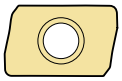
Assembly parts

	D_c [mm]	0,75–1,25	1,5–2	2,5–3
	Clamping screw for indexable insert Tightening torque	FS2573 (T9IP) 2 Nm	FS2573 (T9IP) 2 Nm	FS2573 (T9IP) 2 Nm
	Clamping screw for arbour-mounted tools		FS1523	FS1519

Accessories

	D_c [mm]	0,75–3
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2013 (T9IP)
	Screwdriver	FS1484 (T9IP)

Indexable inserts

	Designation	r mm	b mm	P HC					M HC				K HC					N HC	N HW	S HC			
				WKP25S	WKP35G	WKP35S	WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
	BCGT120408R-G55	0,8	1,3	☺	😐	😐	☹	☹	😐		☹	☹	☺		😐	☹	☹			😐		☹	☹
	BCHT120404R-K85	0,4	1,7															☺	😐				
	BCHT120408R-K85	0,8	1,3															☺	😐				
	BCHT120412R-K85	1,2	1,2															☺	😐				
	BCHT120416R-K85	1,6	1,1															☺	😐				
	BCHT120420R-K85	2	1,2															☺	😐				
	BCHT120425R-K85	2,5	1															☺	😐				
	BCHT120430R-K85	3	0,7															☺	😐				
	BCHT120440R-K85	4	0,4															☺	😐				
	BCMT120404R-G55	0,4	1,3		😐	😐	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120408R-F55	0,8	1,3	☺	😐	😐	☹	☹			☹	☹	☺	😐	😐	☹	☹					☹	☹
	BCMT120408R-G55	0,8	1,3	☺	😐	😐	☹	☹	😐	☹	☹	☹	☺	😐	😐	☹	☹			😐	☹	☹	☹
	BCMT120408R-K55	0,8	1,3		☺	☺	😐	😐	☺		😐	😐				😐	😐			☺		😐	😐
	BCMT120412R-G55	1,2	1,2		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120416R-G55	1,6	1,1		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120420R-G55	2	1,2		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120425R-G55	2,5	1		😐	😐	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120430R-G55	3	0,7		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹
	BCMT120432R-G55	3,2	0,5		😐	😐	☹	☹			☹	☹				☹	☹					☹	☹
	BCMT120440R-G55	4	0,4		😐	😐	☹	☹		☹	☹	☹				☹	☹				☹	☹	☹

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm

HC = Coated carbide
HW = Uncoated carbide

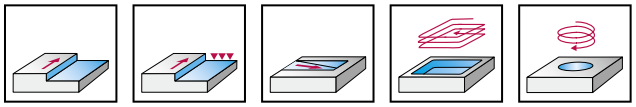
C2

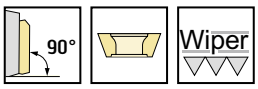
Shoulder milling cutters

M5130 mm

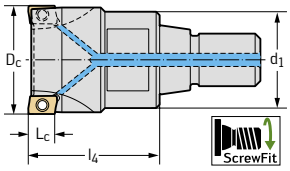
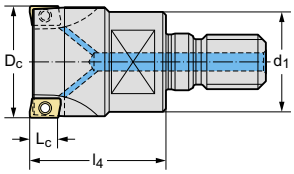
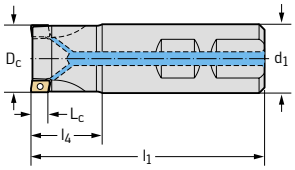
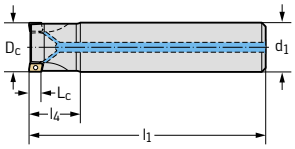
BC .. 1606 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M5130-032-T28-03-15	32	T28	40		15	3	0,16	3	BC .. 1606 .. R
	M5130-040-T36-03-15	40	T36	40		15	3	0,31	3	
	M5130-040-T36-04-15	40	T36	40		15	4	0,31	4	
	M5130-050-T45-03-15	50	T45	40		15	3	0,45	3	
	M5130-050-T45-06-15	50	T45	40		15	6	0,45	6	
Cylindrical, modular 	M5130-032-TC16-03-15	32	M16	40		15	3	0,15	3	BC .. 1606 .. R
	M5130-040-TC16-03-15	40	M16	40		15	3	0,21	3	
	M5130-040-TC16-04-15	40	M16	40		15	4	0,2	4	
DIN 1835 B 	M5130-025-W25-02-15	25	25	43	100	15	2	0,3	2	BC .. 1606 .. R
	M5130-032-W32-03-15	32	32	49	110	15	3	0,56	3	
Cylindrical shank 	M5130-025-A25-02-15	25	25	38	200	15	2	0,68	2	BC .. 1606 .. R
	M5130-028-A25-02-15	28	25	38	200	15	2	0,7	2	
	M5130-032-A32-03-15	32	32	39	250	15	3	1,43	3	
	M5130-035-A32-03-15	35	32	39	250	15	3	1,46	3	

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

C2

Assembly parts

D_c [mm]	25–160
Clamping screw for indexable insert Tightening torque	FS2300 (T15IP) 3,5 Nm

Accessories

D_c [mm]	25–125	160
Torque screwdriver, analogue	FS2003	FS2003
Torque screwdriver, digital	FS2248	FS2248
Interchangeable blade	FS2014 (T15IP)	FS2014 (T15IP)
Screwdriver	FS1485 (T15IP)	FS1485 (T15IP)
Sealing disc set		FS936 COMPLETE SET

Indexable inserts

			P					M				K							N		S			
			HC					HC				HC							HC	HW	HC			
Designation	r mm	b mm	WKP25S	WKP35G	WKP35S	WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
BCGT160508R-G55	0,8	2	☺	😐	😐	☹	☹	😐		☹	☹	☺			😐	☹	☹				😐		☹	☹
BCHT160508R-K85	0,8	2																	☺	😐				
BCHT160512R-K85	1,2	1,7																	☺	😐				
BCHT160516R-K85	1,6	1,7																	☺	😐				
BCHT160520R-K85	2	1,5																	☺	😐				
BCHT160525R-K85	2,5	1,4																	☺	😐				
BCHT160530R-K85	3	1,2																	☺	😐				
BCHT160540R-K85	4	1,1																	☺	😐				
BCMT160508R-F55	0,8	2	☺	😐	😐	☹	☹		☹	☹	☹	☺		😐	😐	☹	☹					☹	☹	☹
BCMT160508R-G55	0,8	2	☺	😐	😐	☹	☹	😐	☹	☹	☹	☺		😐	😐	☹	☹				😐	☹	☹	☹
BCMT160508R-K55	0,8	2		☺	☺	😐	😐	☺	☹	😐	😐					😐	😐				☺	☹	😐	😐
BCMT160512R-G55	1,2	1,7		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160516R-G55	1,6	1,5		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160520R-G55	2	1,5		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160525R-G55	2,5	1,4		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160530R-G55	3	1,2		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160532R-G55	3,2	1,1		😐	😐	☹	☹			☹	☹					☹	☹						☹	☹
BCMT160540R-G55	4	1,1		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCMT160550R-G55	5	0,7		😐	😐	☹	☹			☹	☹					☹	☹						☹	☹
BCMT160560R-G55	6	0,1		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
BCGX1605PDR-G55	0,8	8										☺	☺					☺						

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm
BCGX1605PDR-F56-G55 wiper insert only in combination with BCGT160508-G55.

HC = Coated carbide
HW = Uncoated carbide

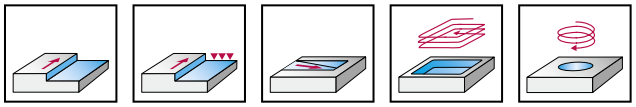
C2

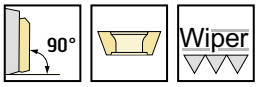
Shoulder milling cutters

M5130 mm

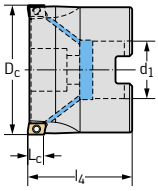
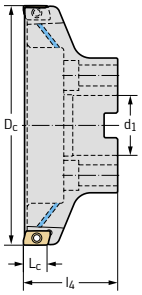
BC .. 1606 .. R
Xtra·tec® XT

– 2 cutting edges per indexable insert





	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●

Tool	Designation	D_c mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M5130-040-B16-03-15	40	16	40		15	3	0,15	3	BC .. 1606 .. R
	M5130-040-B16-04-15	40	16	40		15	4	0,14	4	
	M5130-042-B16-03-15	42	16	40		15	3	0,17	3	
	M5130-050-B22-03-15	50	22	40		15	3	0,31	3	
	M5130-050-B22-06-15	50	22	40		15	6	0,31	6	
	M5130-054-B22-03-15	54	22	40		15	3	0,34	3	
	M5130-063-B22-04-15	63	22	40		15	4	0,43	4	
	M5130-063-B22-07-15	63	22	40		15	7	0,45	7	
	M5130-063-B27-04-15	63	27	50		15	4	0,66	4	
	M5130-063-B27-07-15	63	27	50		15	7	0,68	7	
	M5130-066-B27-04-15	66	27	50		15	4	0,72	4	
	M5130-080-B27-05-15	80	27	50		15	5	0,92	5	
	M5130-080-B27-08-15	80	27	50		15	8	0,97	8	
	M5130-085-B27-05-15	85	27	50		15	5	1,03	5	
	M5130-100-B32-05-15	100	32	50		15	5	1,55	5	
	M5130-100-B32-08-15	100	32	50		15	8	1,62	8	
	M5130-125-B40-07-15	125	40	63		15	7	2,47	7	
	M5130-125-B40-10-15	125	40	63		15	10	2,67	10	
Parallel bore DIN 138 transverse keyway 	M5130-160-B40-08-15	160	40	63		15	8	2,88	8	BC .. 1606 .. R
	M5130-160-B40-12-15	160	40	63		15	12	3,02	12	

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

C2

Assembly parts

D_c [mm]	25–160
Clamping screw for indexable insert Tightening torque	FS2300 (T15IP) 3,5 Nm

Accessories

D_c [mm]	25–125	160
Torque screwdriver, analogue	FS2003	FS2003
Torque screwdriver, digital	FS2248	FS2248
Interchangeable blade	FS2014 (T15IP)	FS2014 (T15IP)
Screwdriver	FS1485 (T15IP)	FS1485 (T15IP)
Sealing disc set		FS936 COMPLETE SET

Indexable inserts

			P					M				K							N		S			
			HC					HC				HC							HC	HW	HC			
Designation	r mm	b mm	WKP25S	WKP35G	WKP35S	WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
BCGT160508R-G55	0,8	2	☺	☹	☹	☠	☠	☹		☠	☠	☺			☹	☠	☠				☹		☠	☠
BCHT160508R-K85	0,8	2																	☺	☹				
BCHT160512R-K85	1,2	1,7																	☺	☹				
BCHT160516R-K85	1,6	1,7																	☺	☹				
BCHT160520R-K85	2	1,5																	☺	☹				
BCHT160525R-K85	2,5	1,4																	☺	☹				
BCHT160530R-K85	3	1,2																	☺	☹				
BCHT160540R-K85	4	1,1																	☺	☹				
BCMT160508R-F55	0,8	2	☺	☹	☹	☠	☠		☠	☠	☠	☺		☹	☹	☠	☠					☠	☠	☠
BCMT160508R-G55	0,8	2	☺	☹	☹	☠	☠	☹	☠	☠	☠	☺		☹	☹	☠	☠				☹	☠	☠	☠
BCMT160508R-K55	0,8	2		☺	☺	☹	☹	☺	☠	☹	☹					☹	☹				☺	☠	☹	☹
BCMT160512R-G55	1,2	1,7		☹	☹	☠	☠		☠	☠	☠					☠	☠					☠	☠	☠
BCMT160516R-G55	1,6	1,5		☹	☹	☠	☠		☠	☠	☠					☠	☠					☠	☠	☠
BCMT160520R-G55	2	1,5		☹	☹	☠	☠		☠	☠	☠					☠	☠					☠	☠	☠
BCMT160525R-G55	2,5	1,4		☹	☹	☠	☠		☠	☠	☠					☠	☠					☠	☠	☠
BCMT160530R-G55	3	1,2		☹	☹	☠	☠		☠	☠	☠					☠	☠					☠	☠	☠
BCMT160532R-G55	3,2	1,1		☹	☹	☠	☠			☠	☠					☠	☠						☠	☠
BCMT160540R-G55	4	1,1		☹	☹	☠	☠		☠	☠	☠					☠	☠					☠	☠	☠
BCMT160550R-G55	5	0,7		☹	☹	☠	☠			☠	☠					☠	☠						☠	☠
BCMT160560R-G55	6	0,1		☹	☹	☠	☠		☠	☠	☠					☠	☠					☠	☠	☠
BCGX1605PDR-G55	0,8	8										☺	☺					☺						

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm
BCGX1605PDR-F56-G55 wiper insert only in combination with BCGT160508-G55.

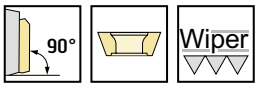
HC = Coated carbide
HW = Uncoated carbide

C2

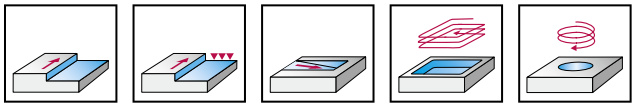
Shoulder milling cutters

M5130 inch

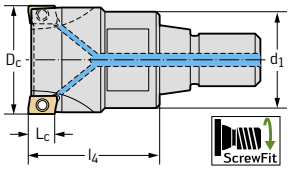
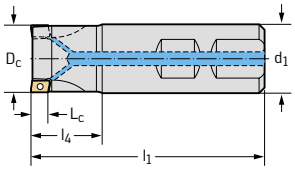
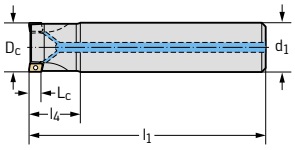
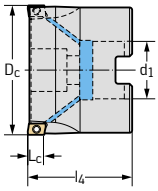
BC .. 1606 .. R
Xtra·tec® XT



– 2 cutting edges per indexable insert

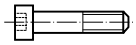


	P	M	K	N	S	H	O
M5130	●●	●●	●●	●●	●●	●	●
M5130	●●	●●	●●	●●	●●	●	●

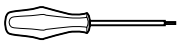
Tool	Designation	D_c inch	d_1 inch	l_4 inch	l_1 inch	L_c inch	Z	lbs	No. of indexable inserts	Type
ScrewFit 	M5130.038-T36-03-15	1,500	T36	1,500		0,591	3	0,012	3	BC .. 1606 .. R
	M5130.038-T36-04-15	1,500	T36	1,500		0,591	4	0,012	4	
	M5130.051-T45-06-15	2,000	T45	1,575		0,591	6	0,018	6	
DIN 1835 B 	M5130.026-W26-02-15	1,000	1,000	1,850	4,131	0,591	2	0,013	3	BC .. 1606 .. R
	M5130.031-W31-03-15	1,250	1,250	1,500	3,781	0,591	3	0,018	3	
	M5130.038-W31-04-15	1,500	1,250	1,730	4,008	0,591	4	0,023	3	
Cylindrical shank 	M5130.026-A26-02-15	1,000	1,000	1,850	8,350	0,591	2	0,029	2	BC .. 1606 .. R
	M5130.031-A31-03-15	1,250	1,250	1,500	9,87	0,591	3	0,056	3	
Parallel bore DIN 138 transverse keyway 	M5130.051-B19-03-15	2,000	0,750	1,575		0,591	3	0,013	3	BC .. 1606 .. R
	M5130.051-B19-06-15	2,000	0,750	1,575		0,591	6	0,012	6	
	M5130.064-B26-04-15	2,500	1,000	1,575		0,591	4	0,020	4	
	M5130.064-B26-07-15	2,500	1,000	1,575		0,591	7	0,02	7	
	M5130.076-B26-05-15	3,000	1,000	2,000		0,591	5	0,045	5	
	M5130.076-B26-08-15	3,000	1,000	2,000		0,591	8	0,041	8	
	M5130.102-B38-05-15	4,000	1,500	2,500		0,591	5	0,094	5	
	M5130.102-B38-08-15	4,000	1,500	2,500		0,591	8	0,108	8	
	M5130.127-B38-07-15	5,000	1,500	2,500		0,591	7	0,135	7	
	M5130.127-B38-10-15	5,000	1,500	2,500		0,591	10	0,146	10	
	M5130.152-B38-08-15	6,000	1,500	2,500		0,591	8	0,186	8	
	M5130.152-B38-12-15	6,000	1,500	2,500		0,591	12	0,183	12	

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

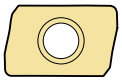
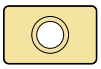
Assembly parts

	D_c [mm]	1–6	2	2,5–3
	Clamping screw for indexable insert Tightening torque	FS2300 (T15IP) 3,5 Nm	FS2300 (T15IP) 3,5 Nm	FS2300 (T15IP) 3,5 Nm
	Clamping screw for arbour-mounted tools		FS1523	FS1519

Accessories

	D_c [mm]	1–6
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2014 (T15IP)
	Screwdriver	FS1485 (T15IP)

Indexable inserts

	Designation	r mm	b mm	P HC					M HC				K HC							N HC	N HW	S HC			
				WKP25S	WKP35G	WKP35S	WSP45G	WSP45S	WSM35S	WSM45X	WSP45G	WSP45S	WAK15	WHH15	WKK25S	WKP25S	WKP35G	WKP35S	WXM15	WXN15	WK10	WSM35S	WSM45X	WSP45G	WSP45S
	BCGT160508R-G55	0,8	2	☺	😐	😐	☹	☹	😐		☹	☹	☺			😐	☹	☹				😐		☹	☹
	BCHT160508R-K85	0,8	2																	☺	😐				
	BCHT160512R-K85	1,2	1,7																	☺	😐				
	BCHT160516R-K85	1,6	1,7																	☺	😐				
	BCHT160520R-K85	2	1,5																	☺	😐				
	BCHT160525R-K85	2,5	1,4																	☺	😐				
	BCHT160530R-K85	3	1,2																	☺	😐				
	BCHT160540R-K85	4	1,1																	☺	😐				
	BCMT160508R-F55	0,8	2	☺	😐	😐	☹	☹		☹	☹	☹	☺		😐	😐	☹	☹					☹	☹	☹
	BCMT160508R-G55	0,8	2	☺	😐	😐	☹	☹	😐	☹	☹	☹	☺		😐	😐	☹	☹				😐	☹	☹	☹
	BCMT160508R-K55	0,8	2		☺	☺	😐	😐	☺	☹	😐	😐					😐	😐				☺	☹	😐	😐
	BCMT160512R-G55	1,2	1,7		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160516R-G55	1,6	1,5		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160520R-G55	2	1,5		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160525R-G55	2,5	1,4		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160530R-G55	3	1,2		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160532R-G55	3,2	1,1		😐	😐	☹	☹			☹	☹					☹	☹						☹	☹
	BCMT160540R-G55	4	1,1		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCMT160550R-G55	5	0,7		😐	😐	☹	☹			☹	☹					☹	☹						☹	☹
	BCMT160560R-G55	6	0,1		😐	😐	☹	☹		☹	☹	☹					☹	☹					☹	☹	☹
	BCGX1605PDR-G55	0,8	8										☺	☺					☺						

If the corner radius r is greater than 2.5 mm, the corner area of the body must be reworked.
R (body) = r (indexable insert) – 1 mm
BCGX1605PDR-F56-G55 wiper insert only in combination with BCGT160508-G55.

HC = Coated carbide
HW = Uncoated carbide

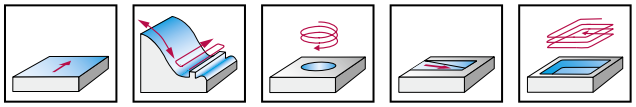
C2

Round insert milling cutters

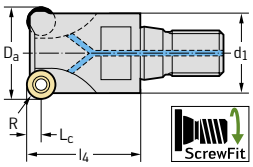
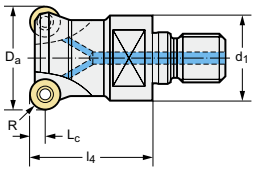
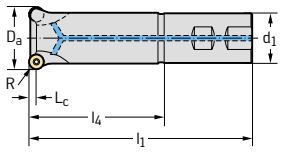
M5468 mm

RD . X0501M0

Xtra·tec® XT



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of index-able inserts	Type
ScrewFit 	★ M5468-010-T09-02-02.5	2,5	10	T09	20		2,5	2	0,01	2	RD . X0501M0
	★ M5468-012-T09-03-02.5	2,5	12	T09	20		2,5	3	0,01	3	
	★ M5468-016-T14-04-02.5	2,5	16	T14	25		2,5	4	0,03	4	
	★ M5468-020-T18-05-02.5	2,5	20	T18	30		2,5	5	0,06	5	
Cylindrical, modular 	★ M5468-010-TC06-02-02.5	2,5	10	M6	20		2,5	2	0,01	2	RD . X0501M0
	★ M5468-012-TC06-03-02.5	2,5	12	M6	20		2,5	3	0,01	3	
	★ M5468-016-TC08-04-02.5	2,5	16	M8	25		2,5	4	0,03	4	
	★ M5468-020-TC10-05-02.5	2,5	20	M10	30		2,5	5	0,06	5	
DIN 1835 B 	★ M5468-010-W10-02-02.5	2,5	10	10	19	60	2,5	2	0,03	2	RD . X0501M0
	★ M5468-012-W12-03-02.5	2,5	12	12	19	65	2,5	3	0,05	3	

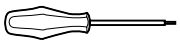
Bodies and assembly parts are included in the scope of delivery.

C2

Assembly parts

	D_a [mm]	10–20
	Clamping screw for indexable insert Tightening torque	FS1358 (T6) 0,4 Nm

Accessories

	D_a [mm]	10–20
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	FS2005 (T6)
	Screwdriver	FS1063 (T6)

Indexable inserts

	Designation	d mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	M HC WSM35S	M HC WSP45G	K HC WHH15	K HC WHH15X	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HW WK10	S HC WSM35S	S HC WSP45G	H HC WHH15X
	RDGX0501M0-G88	5													😐			
	RDHX0501M0-A57	5		😡	😡				😊	😊	😐		😡	😡				😊
	RDMX0501M0-D57	5	😊	😐	😐	😡	😐	😡			😐	😐	😡	😡		😐	😡	

HW = Uncoated carbide
HC = Coated carbide

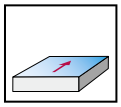
C2

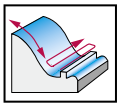
Round insert milling cutters

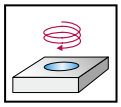
M5468 mm

RD . X07T1M0

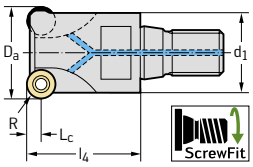
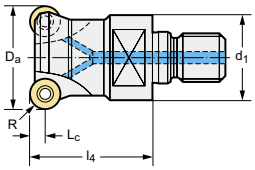
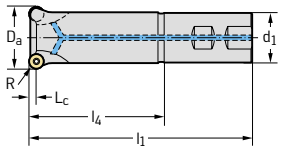
Xtra·tec® XT







	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of index-able inserts	Type
ScrewFit 	★ M5468-015-T14-03-03.5	3,5	15	T14	25		3,5	3	0,03	3	RD . X07T1M0
	★ M5468-020-T18-04-03.5	3,5	20	T18	30		3,5	4	0,05	4	
	★ M5468-025-T22-05-03.5	3,5	25	T22	35		3,5	5	0,1	5	
	★ M5468-030-T28-06-03.5	3,5	30	T28	40		3,5	6	0,18	6	
Cylindrical, modular 	★ M5468-015-TC08-03-03.5	3,5	15	M8	25		3,5	3	0,03	3	RD . X07T1M0
	★ M5468-020-TC10-04-03.5	3,5	20	M10	30		3,5	4	0,05	4	
	★ M5468-025-TC12-05-03.5	3,5	25	M12	35		3,5	5	0,09	5	
	★ M5468-030-TC16-06-03.5	3,5	30	M16	40		3,5	6	0,17	6	
DIN 1835 B 	★ M5468-015-W16-03-03.5	3,5	15	16	51	100	3,5	3	0,12	3	RD . X07T1M0

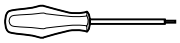
Bodies and assembly parts are included in the scope of delivery.

C2

Assembly parts

	D_a [mm]	15–30
	Clamping screw for indexable insert Tightening torque	FS1455 (T8IP) 1,2 Nm

Accessories

	D_a [mm]	15–30
	Torque screwdriver, analogue	FS2001
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2012 (T8IP)
	Screwdriver	FS1483 (T8IP)

Indexable inserts

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

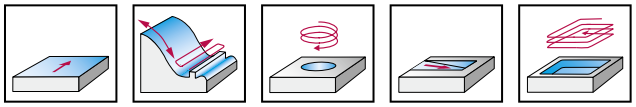
HW = Uncoated carbide
HC = Coated carbide

Round insert milling cutters

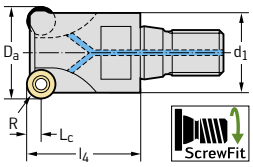
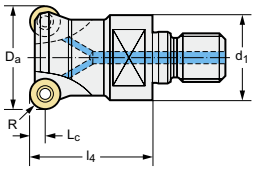
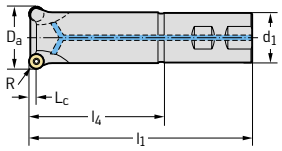
M5468 mm

Xtra·tec® XT

– With indexing surfaces
– 4 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of index-able inserts	Type
ScrewFit 	★ M5468-016-T14-02-04	4	16	T14	25		4	2	0,03	2	RO . X0803M0
	★ M5468-025-T22-03-04	4	25	T22	35		4	3	0,09	3	
	★ M5468-032-T28-05-04	4	32	T28	40		4	5	0,18	5	
Cylindrical, modular 	★ M5468-016-TC08-02-04	4	16	M8	25		4	2	0,03	2	RO . X0803M0
	★ M5468-025-TC12-03-04	4	25	M12	35		4	3	0,09	3	
	★ M5468-032-TC16-05-04	4	32	M16	40		4	5	0,17	5	
DIN 1835 B 	★ M5468-016-W16-02-04	4	16	16	51	100	4	2	0,13	2	RO . X0803M0
	★ M5468-025-W25-03-04	4	25	25	93	150	4	3	0,45	3	

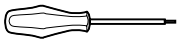
Bodies and assembly parts are included in the scope of delivery.

C2

Assembly parts

	D_a [mm]	16	25–32
	Clamping screw for indexable insert Tightening torque	FS1456 (T9IP) 2 Nm	FS2078 (T9IP) 1,5 Nm

Accessories

	D_a [mm]	16–32
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2013 (T9IP)
	Screwdriver	FS1484 (T9IP)

Indexable inserts

	Designation	d mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	M HC WSM35S	M HC WSP45G	K HC WHH15X	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSP45G	H HC WHH15X
	ROGX0803M04-G88	8												☺	😐			
	ROHX0803M04-A57	8	😐	☹	☹				☺	😐	😐	☹	☹					☺
	ROHX0803M04-D57	8			😐	☹	😐	☹					☹			😐	☹	
	ROHX0803M04-D67	8				☹		☹									☹	
	ROMX0803M04-D57	8	☺		😐	☹	😐	☹		😐	😐		☹			😐	☹	

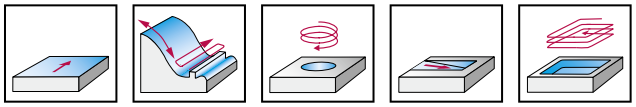
HW = Uncoated carbide
HC = Coated carbide

C2

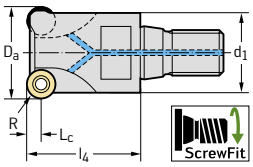
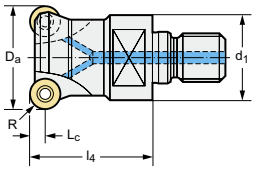
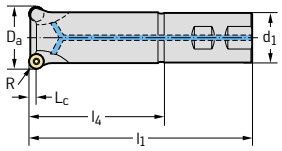
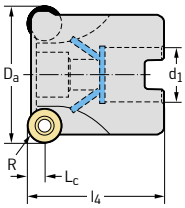
Round insert milling cutters

M5468 mm

– With indexing surfaces
– 8 cutting edges per indexable insert



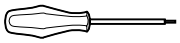
	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of index-able inserts	Type
ScrewFit 	★ M5468-032-T28-02-08	8	32	T28	40		8	2	0,14	2	RO . X1605M0
Cylindrical, modular 	★ M5468-032-TC16-02-08	8	32	M16	40		8	2	0,14	2	RO . X1605M0
DIN 1835 B 	★ M5468-032-W32-02-08	8	32	32	99	160	8	2	0,74	2	RO . X1605M0
Parallel bore DIN 138 transverse keyway 	★ M5468-052-B22-04-08	8	52	22	50		8	4	0,32	4	RO . X1605M0
	★ M5468-052-B22-05-08	8	52	22	50		8	5	0,31	5	
	★ M5468-063-B22-05-08	8	63	22	50		8	5	0,49	5	
	★ M5468-063-B22-06-08	8	63	22	50		8	6	0,49	6	
	★ M5468-066-B27-05-08	8	66	27	50		8	5	0,57	5	
	★ M5468-066-B27-06-08	8	66	27	50		8	6	0,58	6	
	★ M5468-080-B27-06-08	8	80	27	50		8	6	0,82	6	
	★ M5468-080-B27-07-08	8	80	27	50		8	7	0,82	7	
	★ M5468-100-B32-07-08	8	100	32	50		8	7	1,43	7	
	★ M5468-125-B40-08-08	8	125	40	63		8	8	2,79	8	

Assembly parts

	D_a [mm]	52–125	32
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm	FS2281 (T20IP) 5 Nm

Accessories

	D_a [mm]	32–125
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)
	Screwdriver	FS1486 (T20IP)

Indexable inserts

	Designation	d mm	P HC				M HC			K HC					N HC	N HW	S HC			H HC
			WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WHH15X	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45G	WHH15X
	ROGX1605M08-G88	16													☺	☹				
	ROHX1605M08-A57	16	☹	☠	☠					☺	☹	☹	☠	☠						☺
	ROMX1605M08-D57	16	☺	☹	☹	☠	☹		☠		☹	☹	☠	☠			☹		☠	
	ROMX1605M08-F67	16				☠	☹	☠	☠								☹	☠	☠	
	ROMX1605M0T8-A27	16	☹	☠	☠						☹	☹	☠	☠						

HW = Uncoated carbide
HC = Coated carbide

C2

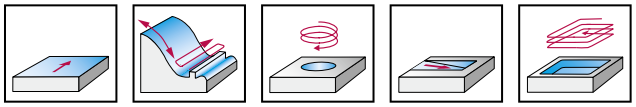
Round insert milling cutters

M5468 inch

RO . X1605M0

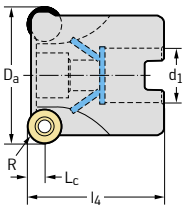
Xtra·tec® XT

– With indexing surfaces
– 8 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R inch	D_a inch	d_1 inch	l_4 inch	L_c inch	Z	lbs	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway	★ M5468.064-B26-06-08	0,315	2,500	1,000	2,000	0,315	6	0,018	6	RO . X1605M0
	★ M5468.076-B26-07-08	0,315	3,000	1,000	2,000	0,315	7	0,029	7	
	★ M5468.102-B38-07-08	0,315	4,000	1,500	2,500	0,315	7	0,072	7	
	★ M5468.127-B38-08-08	0,315	5,000	1,500	2,500	0,315	8	0,104	8	



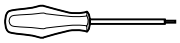
Bodies and assembly parts are included in the scope of delivery.

C2

Assembly parts

	D_a [mm]	2,5–5
	Clamping screw for indexable insert Tightening torque	FS1495 (T20IP) 5 Nm

Accessories

	D_a [mm]	2,5–5
	Torque screwdriver, analogue	FS2004
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)
	Screwdriver	FS1486 (T20IP)

Indexable inserts

	Designation	d mm	P HC				M HC			K HC					N HC	N HW	S HC			H HC
			WKP25S	WKP35G	WKP35S	WSP45G	WSM35S	WSM45X	WSP45G	WHH15X	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSM45X	WSP45G	WHH15X
	ROGX1605M08-G88	16													☺	☹				
	ROHX1605M08-A57	16	☹	☹	☹					☺	☹	☹	☹	☹						☺
	ROMX1605M08-D57	16	☺	☹	☹	☹	☹		☹		☹	☹	☹	☹			☹		☹	
	ROMX1605M08-F67	16				☹	☹	☹	☹								☹	☹	☹	
	ROMX1605M0T8-A27	16	☹	☹	☹						☹	☹	☹	☹						

HW = Uncoated carbide
HC = Coated carbide

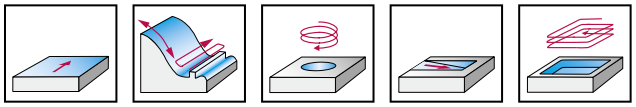
C2

Round insert milling cutters

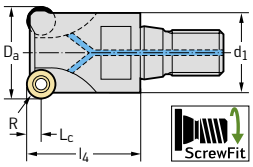
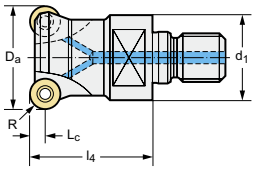
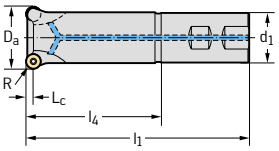
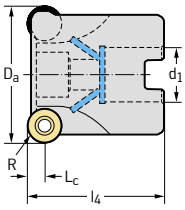
M5468 mm

Xtra·tec® XT

– With indexing surfaces
– 8 cutting edges per indexable insert



	P	M	K	N	S	H	O
M5468	●●	●●	●●	●●	●●	●●	●

Tool	Designation	R mm	D_a mm	d_1 mm	l_4 mm	l_1 mm	L_c mm	Z	kg	No. of index-able inserts	Type
ScrewFit 	★ M5468-040-T36-02-10	10	40	T36	40		10	2	0,25	2	RO . X2006M0
Cylindrical, modular 	★ M5468-040-TC16-02-10	10	40	M16	40		10	2	0,15	2	RO . X2006M0
DIN 1835 B 	★ M5468-040-W40-02-10	10	40	40	119	190	10	2	1,44	2	RO . X2006M0
Parallel bore DIN 138 transverse keyway 	★ M5468-063-B22-04-10	10	63	22	50		10	4	0,43	4	RO . X2006M0
	★ M5468-080-B27-05-10	10	80	27	50		10	5	0,74	5	
	★ M5468-100-B32-06-10	10	100	32	50		10	6	1,41	6	
	★ M5468-125-B40-07-10	10	125	40	63		10	7	2,86	7	

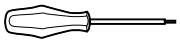
Bodies and assembly parts are included in the scope of delivery.

C2

Assembly parts

	D_a [mm]	40–125
	Clamping screw for indexable insert Tightening torque	FS2614 (T20IP) 5 Nm

Accessories

	D_a [mm]	40–125
	Torque screwdriver, analogue	FS2003
	Torque screwdriver, digital	FS2248
	Interchangeable blade	FS2015 (T20IP)
	Screwdriver	FS1486 (T20IP)

Indexable inserts

	Designation	d mm	P HC WKP25S	P HC WKP35G	P HC WKP35S	P HC WSP45G	M HC WSM35S	M HC WSP45G	K HC WHH15X	K HC WKK25S	K HC WKP25S	K HC WKP35G	K HC WKP35S	N HC WXN15	N HW WK10	S HC WSM35S	S HC WSP45G	H HC WHH15X
	ROGX2006M08-G88	20												☺	😐			
	ROHX2006M08-A57	20	😐	☹	☹				☺	😐	😐	☹	☹					☺
	ROHX2006M08-D57	20			😐								☹					
	ROHX2006M0T8-A27	20			☹								☹					
	ROMX2006M08-D57	20	☺	😐	😐	☹	😐	☹		😐	😐	☹	☹			😐	☹	
	ROMX2006M0T8-A27	20	😐	☹	☹					😐	😐	☹	☹					

HW = Uncoated carbide
HC = Coated carbide

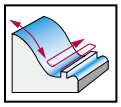
C2

Copy finishing face milling cutters

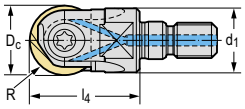
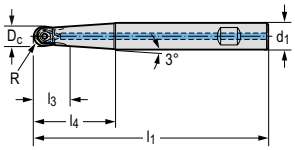
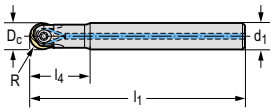
M5460 mm

Xtra·tec® XT

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

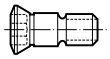


	P	M	K	N	S	H	O
M5460	●●	●●	●●		●●	●●	●

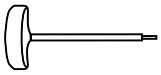
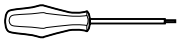
Tool	Designation	D_c mm	R mm	d_1 mm	l_4 mm	l_1 mm	Z	kg	No. of indexable inserts	Type
Cylindrical, modular 	★ M5460-008-TC06-02-04	8	4	M6	20		2	0,01	1	P320 . -D08
	★ M5460-010-TC06-02-05	10	5	M6	25		2	0,01	1	P320 . -D10
	★ M5460-012-TC06-02-06	12	6	M6	25		2	0,01	1	P320 . -D12
	★ M5460-016-TC08-02-08	16	8	M8	25		2	0,02	1	P320 . -D16
	★ M5460-020-TC10-02-10	20	10	M10	30		2	0,05	1	P320 . -D20
	★ M5460-025-TC12-02-12	25	12,5	M12	35		2	0,08	1	P320 . -D25
	★ M5460-030-TC16-02-15	30	15	M16	40		2	0,14	1	P320 . -D30
	★ M5460-032-TC16-02-16	32	16	M16	40		2	0,14	1	P320 . -D32
DIN 1835 B 	★ M5460-008-W12-02-04	8	4	12	50	140	2	0,1	1	P320 . -D08
	★ M5460-010-W12-02-05	10	5	12	35	150	2	0,11	1	P320 . -D10
	★ M5460-012-W16-02-06	12	6	16	58,5	160	2	0,2	1	P320 . -D12
	★ M5460-016-W20-02-08	16	8	20	65	175	2	0,34	1	P320 . -D16
	★ M5460-020-W25-02-10	20	10	25	76	190	2	0,57	1	P320 . -D20
	★ M5460-025-W32-02-12	25	12,5	32	98	210	2	1,01	1	P320 . -D25
Cylindrical shank 	★ M5460-008-A10-02-04	8	4	10	25	110	2	0,05	1	P320 . -D08
	★ M5460-010-A12-02-05	10	5	12	30	130	2	0,09	1	P320 . -D10
	★ M5460-012-A12-02-06	12	6	12	32	130	2	0,09	1	P320 . -D12
	★ M5460-016-A16-02-08	16	8	16	36	140	2	0,18	1	P320 . -D16
	★ M5460-020-A20-02-10	20	10	20	45	160	2	0,32	1	P320 . -D20
	★ M5460-025-A25-02-12	25	12,5	25	45	160	2	0,49	1	P320 . -D25
	★ M5460-030-A32-02-15	30	15	32	56	175	2	0,89	1	P320 . -D30
	★ M5460-032-A32-02-16	32	16	32	56	175	2	0,9	1	P320 . -D32

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

Assembly parts

	D_c [mm]	8	10	12	16	20	25	30–32
	Clamping screw for indexable insert Tightening torque	FS397 (T8) 1 Nm	FS390 (T15) 4 Nm	FS391 (T20) 5 Nm	FS392 (T20) 5 Nm	FS393 (T20) 5 Nm	FS394 (T20) 5 Nm	FS395 (T30) 6 Nm

Accessories

	D_c [mm]	8	10	12–25	30–32
	Torque T-handle				FS2041
	Torque screwdriver, analogue	FS2001	FS2003	FS2003	
	Torque screwdriver, digital	FS2248	FS2248	FS2248	FS2248
	Interchangeable blade	FS2007 (T8)	FS2009 (T15)	FS2010 (T20)	FS2046 (T30)
	Handle key				FS1175 (T30)
	Screwdriver	FS230 (T8)	FS229 (T15)	FS228 (T20)	

Indexable inserts

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

HC = Coated carbide

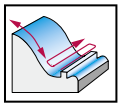
C2

Copy finishing face milling cutters

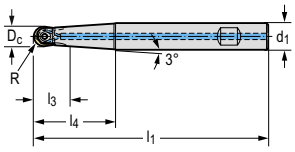
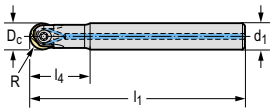
M5460 inch

Xtra·tec® XT

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

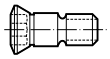


	P	M	K	N	S	H	O
M5460	●●	●●	●●		●●	●●	●

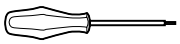
Tool	Designation	D_c inch	R inch	d_1 inch	l_4 inch	l_1 inch	Z	lbs	No. of indexable inserts	Type
DIN 1835 B 	★ M5460.009-W13-02-05	0,375	0,187	0,500	1,378	5,906	2	0,005	1	P320 . -D09.52
	★ M5460.013-W15-02-06	0,500	0,250	0,625	2,303	6,299	2	0,008	1	P320 . -D12.7
	★ M5460.015-W19-02-08	0,625	0,312	0,750	2,559	6,890	2	0,012	1	P320 . -D15.87
	★ M5460.019-W26-02-10	0,750	0,375	1,000	2,992	7,48	2	0,023	1	P320 . -D19.05
	★ M5460.026-W31-02-13	1,000	0,500	1,250	3,858	8,268	2	0,039	1	P320 . -D25.4
Cylindrical shank 	★ M5460.009-A13-02-05	0,375	0,187	0,500	1,307	5,118	2	0,004	1	P320 . -D09.52
	★ M5460.013-A13-02-06	0,500	0,250	0,500	1,331	5,118	2	0,004	1	P320 . -D12.7
	★ M5460.015-A15-02-08	0,625	0,312	0,625	1,48	5,512	2	0,007	1	P320 . -D15.87
	★ M5460.019-A19-02-10	0,750	0,375	0,750	1,807	6,299	2	0,012	1	P320 . -D19.05
	★ M5460.026-A26-02-13	1,000	0,500	1,000	1,854	6,299	2	0,020	1	P320 . -D25.4

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

Assembly parts

	D_c [mm]	0,38	0,5	0,62	0,75	1
	Clamping screw for indexable insert Tightening torque	FS390 (T15) 4 Nm	FS391 (T20) 5 Nm	FS392 (T20) 5 Nm	FS393 (T20) 5 Nm	FS394 (T20) 5 Nm

Accessories

	D_c [mm]	0,38	0,5–1
	Torque screwdriver, analogue	FS2004	FS2004
	Torque screwdriver, digital	FS2248	FS2248
	Interchangeable blade	FS2009 (T15)	FS2010 (T20)
	Screwdriver	FS229 (T15)	FS228 (T20)

Indexable inserts

	Designation	$D_c^{-0,03}$ mm	P HC WSP46	M HC WSM36	M HC WSP46	K HC WHH15	K HC WHH15X	S HC WSM36	S HC WSP46	H HC WHH15X
	P3201-D09.52	9,530								☺
	P3201-D12.7	12,7				☺				☺
	P3201-D15.87	15,880								☺
	P3201-D19.05	19,05				☺				☺
	P3201-D25.4	25,4				☺				☺
	P3204-D09.52	9,530	☹		☹	☺	☺		☹	
	P3204-D12.7	12,7	☹	😐	☹	☺	☺	😐	☹	
	P3204-D15.87	15,880	☹		☹	☺	☺		☹	
	P3204-D19.05	19,05	☹	😐	☹	☺	☺	😐	☹	
	P3204-D25.4	25,4	☹		☹	☺	☺		☹	

HC = Coated carbide

C2

Accure·tec

Rotating boring bars/adaptors – D2

Tool adaptors Rotating boring bars/adaptors 253

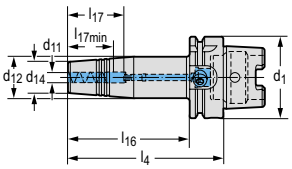
Slim hydraulic expansion adaption DIN 69893-1 A

AB019-H mm

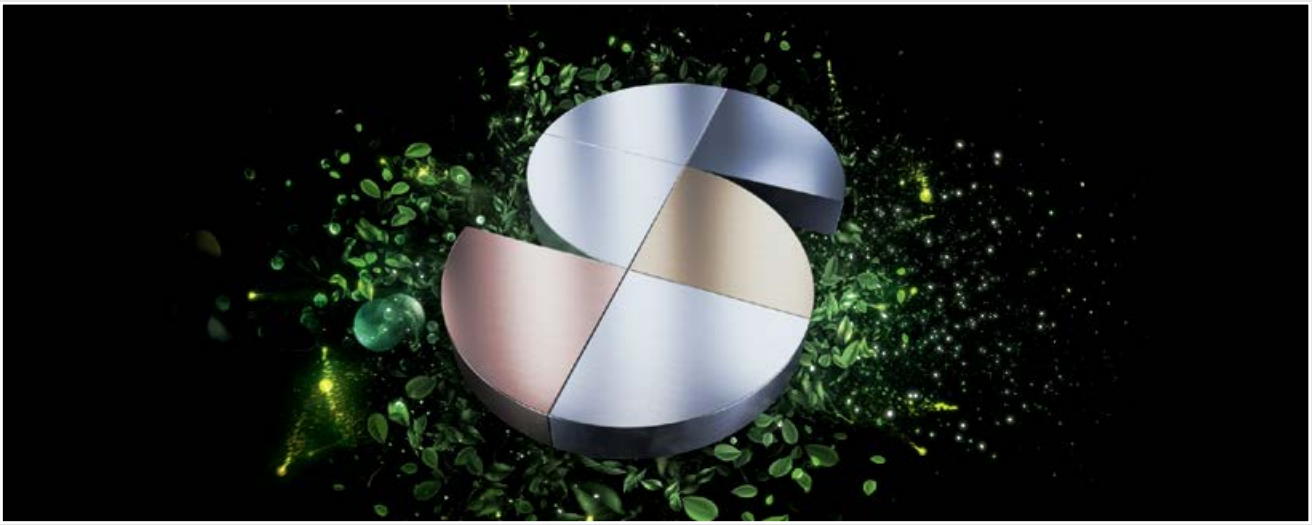
– For tools with shank in accordance with DIN 1835 form A

Tool

HSK DIN 69893-1 A



Designation	d_1	d_{11}	d_{12} mm	d_{14} mm	l_4 mm	l_{16} mm	l_{17} mm	l_{17min} mm	kg
★ AB019-H100-P06-085	HSK-A100	6	27	21	85	56	36,7	26,7	2,2
★ AB019-H100-P06-120	HSK-A100	6	27	21	120	91	38,2	28,2	2,3
★ AB019-H100-P08-085	HSK-A100	8	27	21	85	56	36,7	26,7	2,2
★ AB019-H100-P08-120	HSK-A100	8	27	21	120	91	38,7	28,7	2,3
★ AB019-H100-P10-090	HSK-A100	10	32	24	90	61	42,7	32,7	2,2
★ AB019-H100-P10-120	HSK-A100	10	32	24	120	91	43,3	33,2	2,4
★ AB019-H100-P12-095	HSK-A100	12	32	24	95	66	47,7	37,7	2,2
★ AB019-H100-P12-120	HSK-A100	12	32	24	120	91	47,7	37,7	2,4
★ AB019-H100-P16-100	HSK-A100	16	34	27	100	71	53,2	43,2	2,3
★ AB019-H100-P16-120	HSK-A100	16	34	27	120	91	53,2	43,2	2,4
★ AB019-H100-P20-105	HSK-A100	20	42	33	105	76	55,7	45,7	2,5
★ AB019-H100-P20-120	HSK-A100	20	42	33	120	91	55,7	45,7	2,6
★ AB019-H63-P06-080	HSK-A63	6	27	21	80	54	38,2	28,2	0,87
★ AB019-H63-P06-120	HSK-A63	6	27	21	120	94	38,2	28,2	1
★ AB019-H63-P08-080	HSK-A63	8	27	21	80	54	38,2	28,2	0,86
★ AB019-H63-P08-120	HSK-A63	8	27	21	120	94	38,2	28,2	1
★ AB019-H63-P10-085	HSK-A63	10	32	24	85	59	42,7	32,7	0,9
★ AB019-H63-P10-120	HSK-A63	10	32	24	120	94	43,2	33,2	1,1
★ AB019-H63-P12-090	HSK-A63	12	32	24	90	64	47,7	37,7	0,9
★ AB019-H63-P12-120	HSK-A63	12	32	24	120	94	47,7	37,7	1,1
★ AB019-H63-P14-090	HSK-A63	14	34	27	90	64	48,7	38,7	0,99
★ AB019-H63-P14-120	HSK-A63	14	34	27	120	94	48,7	38,8	1,19
★ AB019-H63-P16-095	HSK-A63	16	34	27	95	69	53,2	43,2	1
★ AB019-H63-P16-120	HSK-A63	16	34	27	120	94	53,2	43,2	1,16
★ AB019-H63-P20-100	HSK-A63	20	42	33	100	74	55,7	45,7	1,18
★ AB019-H63-P20-120	HSK-A63	20	42	33	120	94	55,7	45,7	1,39



Sustainable products and services – certified and transparent

Walter is a company that takes responsibility for people and the environment. Sustainability is a central component of our corporate strategy. It pervades our products and business divisions and is reviewed and certified by independent third parties on a regular basis.

Proven to be produced to high standards

All processes, procedures, methods and instruments that we use are checked and certified by an independent body according to strict criteria. Occupational health and safety, quality assurance and environmentally friendly actions (for example through resource-saving, energy-efficient and CO_2-offset production) are examples of this. Our social commitment shows that Walter has a broader definition of responsibility.

Transparency throughout the entire process chain – for your peace of mind

The integrated management system at Walter includes the sustainable use of resources and production equipment as well as of people – our customers, partners and employees. So that you can count on all of our products meeting these requirements throughout the entire process chain, we apply our own benchmarks to our suppliers too.

Certification

The integrated management system at Walter includes certification in accordance with:

- ISO 9001 (Quality management)
- VDA 6.4 (Production equipment for the automotive industry)
- ISO 14001 (Environmental management)
- ISO 45001 (Occupational health and safety management)
- ISO 50001 (Energy management)

You can find more information on Walter certification here:

Occupational health and safety
Walter protects its employees against health hazards. To prevent accidents, we continuously review our processes and take proactive measures as a precaution.

Environmental and energy management
Environmental protection is an important company objective for Walter. We use energy efficiently and deploy practical methods to sustainably reduce the consumption of energy, water and resources.

Quality management
Walter is continuously improving its products and processes. We ensure our product quality using effective measures and procedures – and check it on a regular basis with our comprehensive quality management system.

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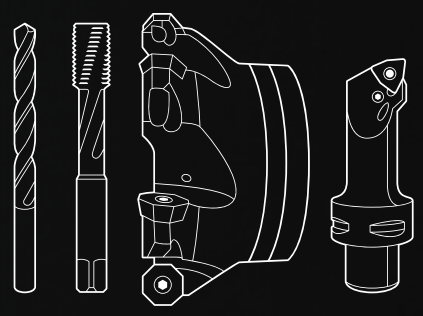

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Info Area

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