WALTER
Engineering Kompetenz

Drehen, Bohren,
Gewinden, Fräsen

Produktinnovations-Katalog
Ausgabe 2022-1

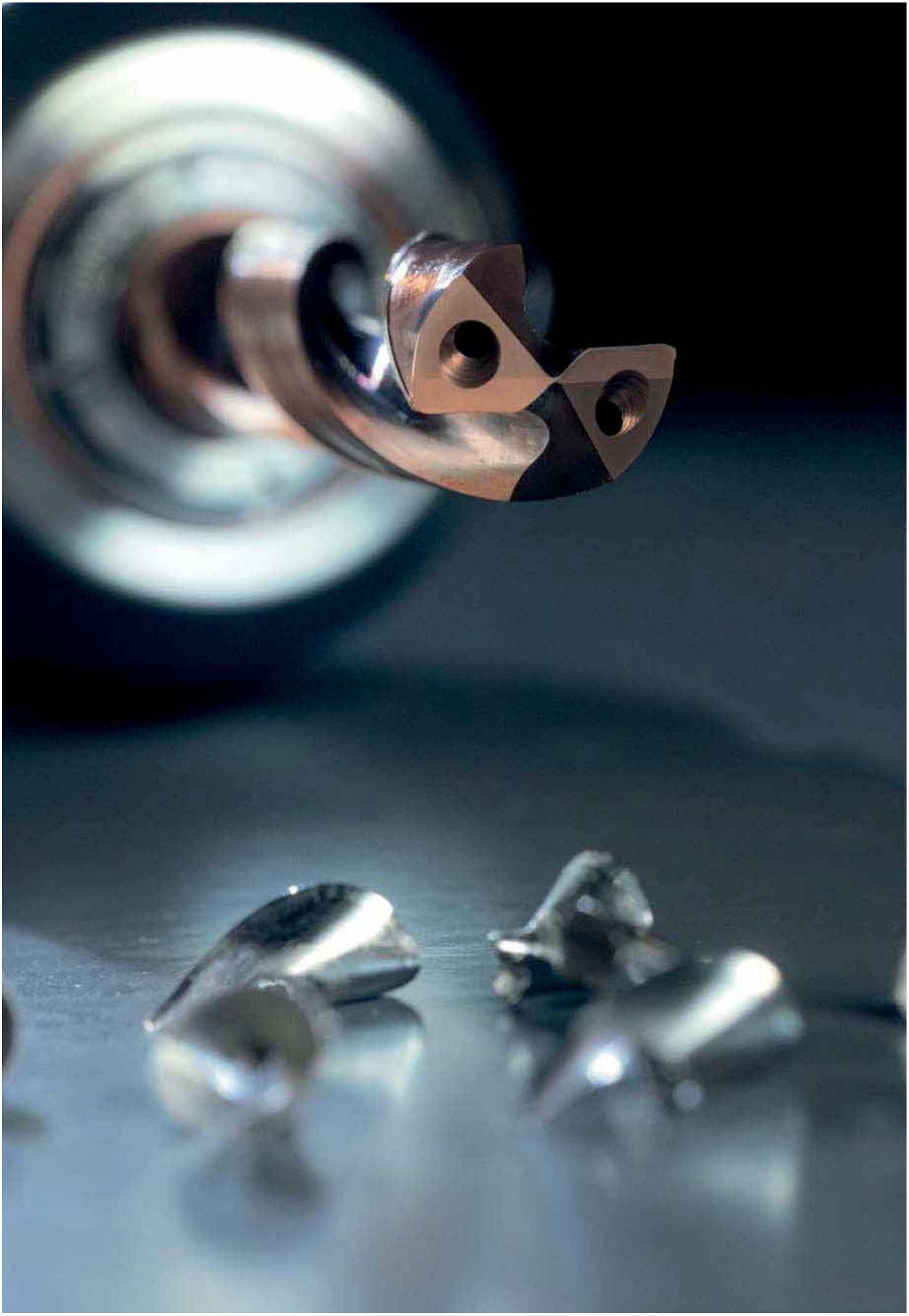
_ MEISTERLEISTUNGEN IN DER METALLZERSPANUNG.

Produktinnovations-Katalog

eka Klingseisen
Werkzeuge & Maschinen

Walter Produktinnovationen

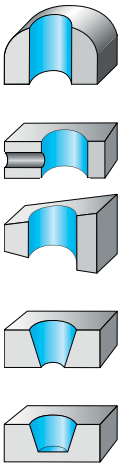
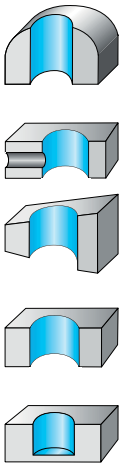
Inhaltsverzeichnis

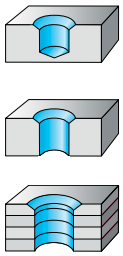
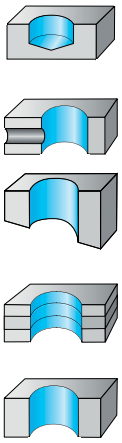


B – Bohren

B1

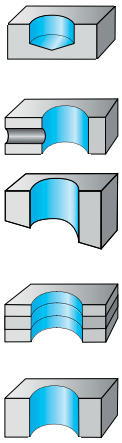
VHM-Bohrer – mit Innenkühlung

					
Bohrtiefe	2 x D_C	2 x D_C	2 x D_C		
		NEW			
					
Bezeichnung	**K5191TFT X·treme Pilot 180 C**	**DC118 Supreme**	**A7191TFT X·treme Pilot 180**	**A6181TFT XD Pilot**	**A6181AML X·treme Pilot 150**
Weitere Service					
Norm	Walter	Walter	Walter	Walter	Walter
Beschichtung / Sorte	TFT	WJ30ET	TFT	TFT	AML
Schaft	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Ø-Bereich [mm]	4–7	3–20	3–20	3–16	2–2,95
P Stahl	●●	●●	●●	●●	●●
M Nichtrostender Stahl	●●	●●	●●	●●	●●
K Gusseisen	●●	●●	●●	●●	●●
N NE-Metalle	●●	●●	●●	●●	●●
S Schwer zerspanbare Werkstoffe	●●	●●	●●	●●	●●
H Harte Werkstoffe	●	●	●	●	●
O Andere	●	●	●	●	●
Seite im Katalog		142			
QR-Code					
www.walter-tools.com/woc/	K5191TFT	DC118	A7191TFT	A6181TFT	A6181AML

							
	3 x D_C	3 x D_C	3 x D_C	3 x D_C			
							
	DC260 Advance X·treme Evo	DC260 Advance X·treme Evo	DC175 Supreme	DC170 Supreme	DC160 Advance X·treme Evo	DC160 Advance X·treme Evo	DC150 Perform
	R	R	R	R	R	R	R
	Walter	Walter	DIN 6537 K	DIN 6537 K	DIN 6537 K	DIN 6537 K	DIN 6537 K
	WJ30ET	WJ30ET	WJ30RZ	WJ30EJ	WJ30ET	WJ30ET	WJ30RE
	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA
	3,3–14	3,3–14	3–20	3–20	3–20	3–20	3–20
	●●	●●	●	●●	●●	●●	●●
	●	●	●●		●	●	●
	●●	●●		●●	●●	●●	●●
	●●	●●	●		●●	●●	●●
	●●	●●	●●		●●	●●	●●
	●	●		●	●	●	●
	●	●	●		●	●	●
	DC260	DC260	DC175	DC170-03-A1	DC160	DC160	DC150

B1

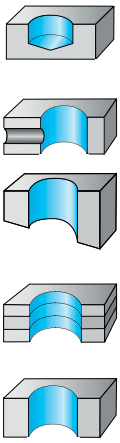
VHM-Bohrer – mit Innenkühlung



Bohrtiefe	**3 x D_C**		**5 x D_C**	**5 x D_C**	

NEW

Bezeichnung	**DC150 Perform**	**A3289DPL X-treme Plus**	**DC175 Supreme**	**DC170 Supreme**	**DC165 Advance**
Weitere Service	R	R	R	R	R
Norm	DIN 6537 K	DIN 6537 K	Walter	DIN 6537 L	Walter
Beschichtung / Sorte	WJ30RE	DPL	WJ30RZ	WJ30EJ	WJ30UU
Schaft	DIN 6535 HE, 180° dazu gedreht DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Ø-Bereich [mm]	3–20	3–20	3–20	3–20	4–16
P Stahl	●●	●●	●	●●	
M Nichtrostender Stahl	●	●●	●●		
K Gusseisen	●●	●●		●●	●●
N NE-Metalle	●●	●●	●		●●
S Schwer zerspanbare Werkstoffe	●●	●●	●●		
H Harte Werkstoffe	●	●●		●	
O Andere	●	●	●		
Seite im Katalog					**144**
QR-Code					
www.walter-tools.com/woc/	DC150	A3289DPL	DC175	DC170	DC165



5 x D_C

5 x D_C

DC160 Advance X·treme Evo

DC160 Advance X·treme Evo

DC150 Perform

DC150 Perform

DB133 Supreme

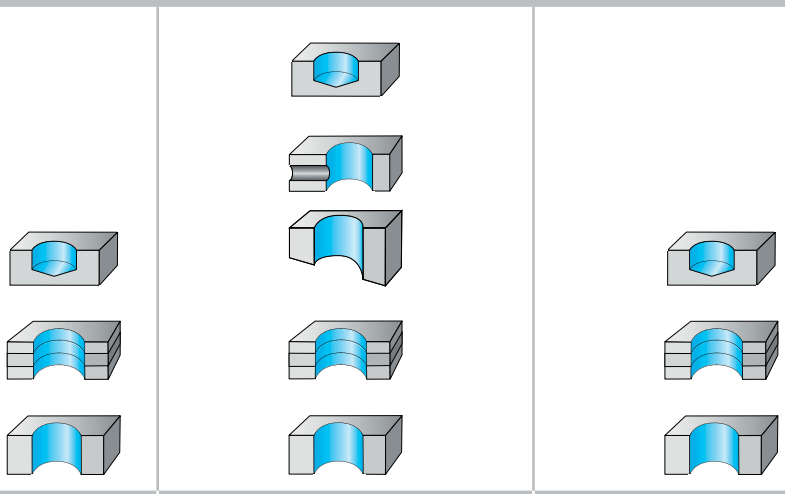
A3389DPL X·treme Plus

A3389AML X·treme M

	DC160 Advance X·treme Evo	DC160 Advance X·treme Evo	DC150 Perform	DC150 Perform	DB133 Supreme	A3389DPL X·treme Plus	A3389AML X·treme M
	R	R	R	R		R	R
	DIN 6537 L	DIN 6537 L	DIN 6537 L	DIN 6537 L	Walter	DIN 6537 L	Walter
	WJ30ET	WJ30ET	WJ30RE	WJ30RE	WJ30EL	DPL	AML
	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA	DIN 6535 HE, 180° dazu gedreht DIN 6535 HB	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	3–25	3–25	3–20	3–20	0,7–1,98	3–20	2–2,95
	●●	●●	●●	●●	●●	●●	●●
	●	●	●	●	●●	●●	●●
	●●	●●	●●	●●	●●	●●	●●
	●●	●●	●●	●●	●●	●●	●●
	●●	●●	●●	●●	●	●●	●●
	●	●	●	●	●	●●	●
	●	●	●	●	●	●	●
	DC160	DC160	DC150	DC150	DB133	A3389DPL	A3389AML

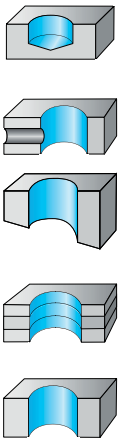
B1

VHM-Bohrer – mit Innenkühlung



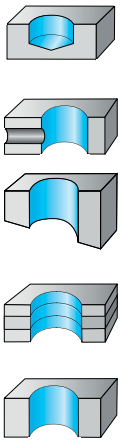
Bohrtiefe	**8 x D_C**	**8 x D_C**	**8 x D_C**		

Bezeichnung	**DC175 Supreme**	**DC170 Supreme**	**DC160 Advance X·treme Evo**	**DC150 Perform**	**DB133 Supreme**
Weitere Service	R	R	R	R	
Norm	Walter	Walter	Walter	Walter	Walter
Beschichtung / Sorte	WJ30RY	WJ30EJ	WJ30ET	WJ30TA	WJ30ER
Schaft	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Ø-Bereich [mm]	3–16	3–20	3–20	3–20	0,7–1,98
P Stahl	●	●●	●●	●●	●●
M Nichtrostender Stahl	●●		●	●	●●
K Gusseisen		●●	●●	●●	●●
N NE-Metalle	●		●●	●●	●●
S Schwer zerspanbare Werkstoffe	●●		●●	●●	●
H Harte Werkstoffe		●	●	●	●
O Andere	●		●	●	●
Seite im Katalog					
QR-Code					
www.walter-tools.com/woc/	DC175	DC170	DC160	DC150	DB133



8 x D_C

8 x D_C



12 x D_C

12 x D_C

A6489DPP
X-treme D8

A6489AMP
X-treme DM8

A3486TIP
Alpha® 44

DC170
Supreme

DC160
Advance
X-treme Evo

DC150
Perform

DB133
Supreme

	Walter	Walter	Walter	Walter	Walter	Walter	Walter
	DPP	AMP	TIP	WJ30EJ	WJ30EU	WJ30TA	WJ30ER
	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	3–20	2–2,95	5–9	3–20	3–20	3–20	0,7–1,98
	●●	●●	●●	●●	●●	●●	●●
	●●	●●	●		●	●	●●
	●●	●●	●	●●	●●	●●	●●
	●●	●●	●●		●●	●●	●●
	●●	●●	●		●●	●●	●
	●●	●		●	●	●●	●
	●	●	●		●	●	●

A6489DPP

A6489AMP

A3486TIP

DC170

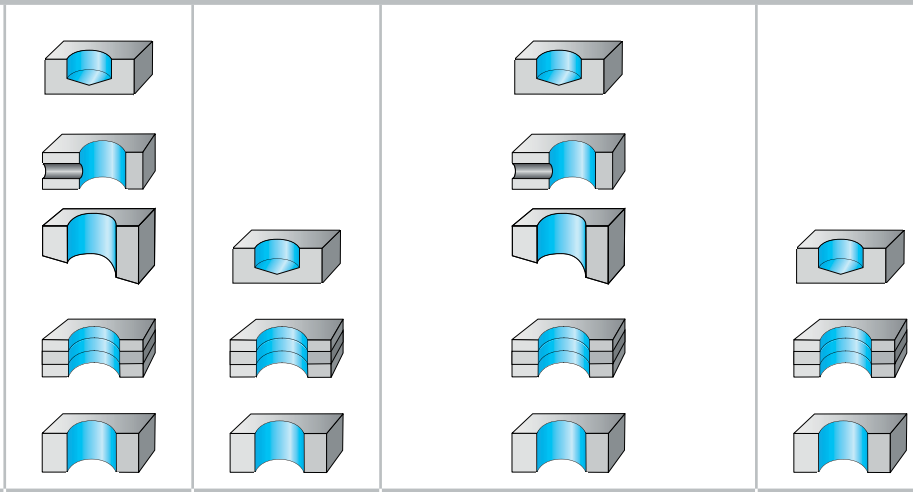
DC160

DC150

DB133

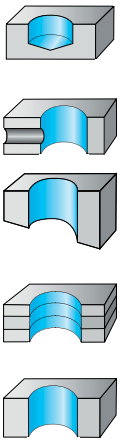
B1

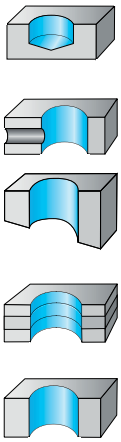
VHM-Bohrer – mit Innenkühlung



Bohrtiefe	**12 x D_C**	**12 x D_C**	**16 x D_C**	**16 x D_C**	

Bezeichnung	**A6589DPP X·treme D12**	**A6589AMP X·treme DM12**	**DC170 Supreme**	**DC160 Advance X·treme Evo**	**A6689AMP X·treme DM16**	
Weitere Service	R	R	R	R	R	
Norm	Walter	Walter	Walter	Walter	Walter	
Beschichtung / Sorte	DPP	AMP	WJ30EJ	WJ30EU	AMP	
Schaft	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	
Ø-Bereich [mm]	3–20	2–2,9	3–16	3–16	2–2,9	
P Stahl	●●	●●	●●	●●	●●	
M Nichtrostender Stahl	●●	●●		●	●●	
K Gusseisen	●●	●●	●●	●●	●●	
N NE-Metalle	●●	●●		●●	●●	
S Schwer zerspanbare Werkstoffe	●●	●●		●●	●●	
H Harte Werkstoffe	●●	●	●	●	●	
O Andere	●	●		●	●	
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	A6589DPP	A6589AMP	DC170	DC160	A6689AMP	

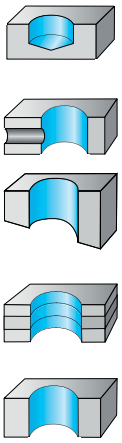
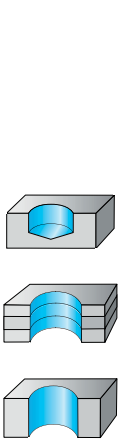
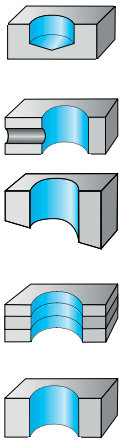




	20 x D_C			20 x D_C	25 x D_C		25 x D_C
							
	DC170 Supreme	DC160 Advance X·treme Evo	A6794TFP X·treme DH20	A6789AMP X·treme DM20	DC170 Supreme	DC160 Advance X·treme Evo	A6889AMP X·treme DM25
	R	R	R	R	R	R	R
	Walter	Walter	Walter	Walter	Walter	Walter	Walter
	WJ30EJ	WJ30EU	TFP	AMP	WJ30EJ	WJ30EU	AMP
	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
	3–16	3–16	3–10	2–2,9	3–12	3–12	2–2,9
	●●	●●	●●	●●	●●	●●	●●
		●	●	●●		●	●●
	●●	●●	●	●●	●●	●●	●●
		●●	●	●●		●●	●●
		●●	●	●●		●●	●●
	●	●	●	●	●	●	●
		●		●		●	●
	DC170	DC160	A6794TFP	A6789AMP	DC170	DC160	A6889AMP

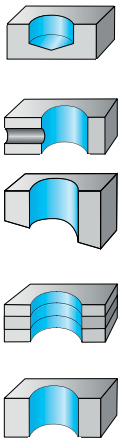
B1

VHM-Bohrer – mit Innenkühlung

Bohrtiefe	**30 x D_C**			**30 x D_C**	**40 x D_C**

Bezeichnung	**DC170 Supreme**	**DC160 Advance X·treme Evo**	**A6994TFP X·treme DH30**	**A6989AMP X·treme DM30**	**A7495TTP X·treme D40**
Weitere Service	R	R	R	R	R
Norm	Walter	Walter	Walter	Walter	Walter
Beschichtung / Sorte	WJ30EJ	WJ30EU	TFP	AMP	TTP
Schaft	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA	DIN 6535 HA
Ø-Bereich [mm]	3–12	3–12	3–10	2–2,9	3–11
P Stahl	●●	●●	●●	●●	●●
M Nichtrostender Stahl		●	●	●●	●
K Gusseisen	●●	●●	●	●●	●●
N NE-Metalle		●●	●	●●	●●
S Schwer zerspanbare Werkstoffe		●●	●	●●	
H Harte Werkstoffe	●	●	●	●	
O Andere		●		●	
Seite im Katalog					
QR-Code					
www.walter-tools.com/woc/	DC170	DC160	A6994TFP	A6989AMP	A7495TTP



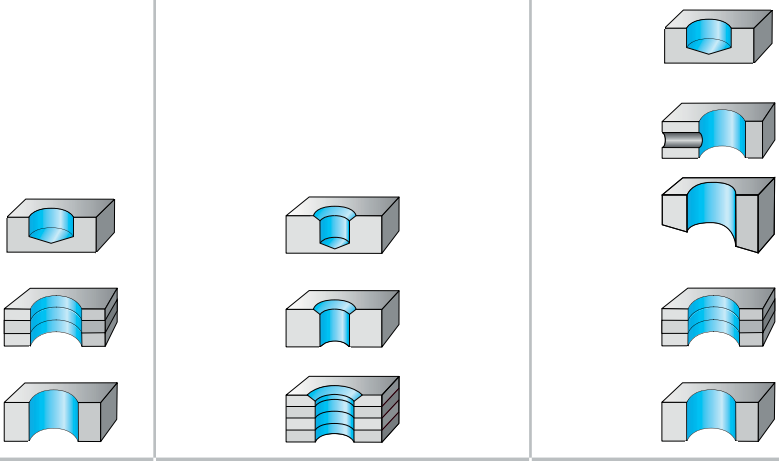
	50 x D_C

	A7595TTP X·treme D50
	R
	Walter
	TTP
	DIN 6535 HA
	3–9
	●●
	●
	●●
	●●

A7595TTP

B1

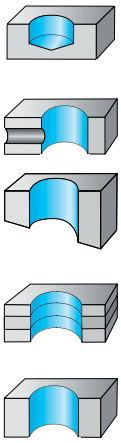
VHM-Bohrer – ohne Innenkühlung



Bohrtiefe	2 x D_C	3 x D_C		3 x D_C	

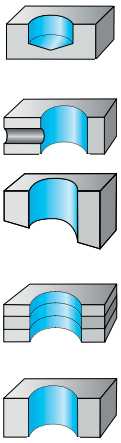
Bezeichnung	DB131 Supreme	DC260 Advance X·treme Evo	DC260 Advance X·treme Evo	DC160 Advance X·treme Evo	DC160 Advance X·treme Evo
Weitere Service		R	R	R	R
Norm	Walter	Walter	Walter	DIN 6537 K	DIN 6537 K
Beschichtung / Sorte	WJ30EL	WJ30ET	WJ30ET	WJ30ET	WJ30ET
Schaft	DIN 6535 HA	DIN 6535 HA	DIN 6535 HE	DIN 6535 HA	DIN 6535 HE
Ø-Bereich [mm]	0,5–1,98	3,3–14	3,3–14,5	3–20	3–20
P Stahl	●●	●●	●●	●●	●●
M Nichtrostender Stahl	●●				
K Gusseisen	●●	●●	●●	●●	●●
N NE-Metalle	●●	●	●	●	●
S Schwer zerspanbare Werkstoffe	●	●	●	●	●
H Harte Werkstoffe	●	●	●	●	●
O Andere	●	●	●	●	●
Seite im Katalog					
QR-Code					
www.walter-tools.com/woc/	DB131	DC260	DC260	DC160	DC160

3 x D_C



3 x D_C

3 x D_C

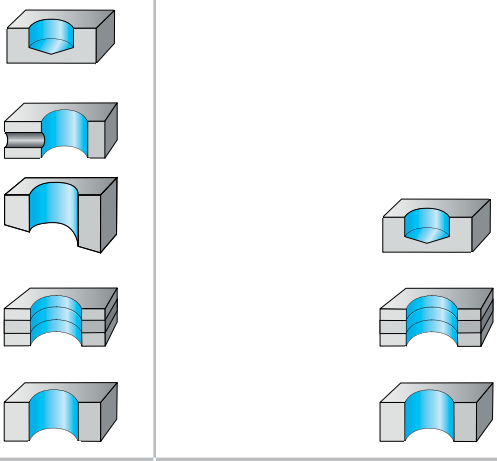


5 x D_C

	DC150 Perform	DC150 Perform	DC150 Perform	A1166TIN	A1166	A1163	DC160 Advance X-treme Evo
	R	R		R	R	R	R
	DIN 6537 K	DIN 6537 K	DIN 6539	Walter	Walter	DIN 6539	DIN 6537 L
	WJ30RE	WJ30RE	WJ30RE	TIN	unbeschichtet	unbeschichtet	WJ30ET
	DIN 6535 HA	DIN 6535 HE, 180° dazu gedreht DIN 6535 HB	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	DIN 6535 HA
	3–20	3–20	1,5–2,9	3–14	3–18	1–12	3–25
	●●	●●	●●	●	●		●●
	●	●	●				
	●●	●●	●●			●	●●
	●	●	●		●	●●	●
	●	●	●		●	●	●
	●	●	●	●	●		●
	●	●	●			●●	●

DC150 DC150 DC150 A1166TIN A1166 A1163 DC160

VHM-Bohrer – ohne Innenkühlung



Bohrtiefe	**5 x D_C**	**5 x D_C**			**5 x D_C**	

Bezeichnung	**DC160 Advance X·treme Evo**	**DC150 Perform**	**DB133 Supreme**	**DB130 Supreme**	**A3367 BSX**	
Weitere Service	R	R	R		R	
Norm	DIN 6537 L	DIN 6537 L	Walter	DIN 1899	DIN 6537 L	
Beschichtung / Sorte	WJ30ET	WJ30TA	WJ30EL	WJ30UU	unbeschichtet	
Schaft	DIN 6535 HE	DIN 6535 HA	DIN 6535 HA	Zylinderschaft	DIN 6535 HA	
Ø-Bereich [mm]	3–25	3–20	0,5–2,95	0,1–1,45	3–16	
P Stahl	●●	●●	●●	●●		
M Nichtrostender Stahl		●		●●		
K Gusseisen	●●	●●	●●	●●	●●	
N NE-Metalle	●	●	●●	●●	●●	
S Schwer zerspanbare Werkstoffe	●	●	●	●●	●	
H Harte Werkstoffe	●	●	●			
O Andere	●	●	●	●●	●	
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	DC160	DC150	DB133	DB130	A3367	

		8 x D_C	
			
	DB133 Supreme	**A1276TFL Alpha® 22**	**A1263**
	R	R	R
	Walter	DIN 338	DIN 338
	WJ30ER	TFL	unbeschichtet
	DIN 6535 HA	Zylinderschaft	Zylinderschaft
	0,5–2,95	3–10,2	0,6–12
	●●	●●	
	●●	●●	●
	●●	●●	●●
	●	●	●
	●		
	●		●●
	DB133	A1276TFL	A1263

HSS-Bohrer

Bohrtiefe	**3 x D_C**			**5 x D_C**		
						
Bezeichnung	**A1154TFT VA Inox**	**A1149XPL UFL®**	**A1148 UFL®**	**A3153**	**A3143**	
Weitere Service	R	R	R			
Norm	DIN 1897	DIN 1897	DIN 1897	DIN 1899	DIN 1899	
Beschichtung / Sorte	TFT	XPL	unbeschichtet	unbeschichtet	unbeschichtet	
Schaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	
Ø-Bereich [mm]	2–16	1–20	1–20	0,15–1,4	0,05–1,45	
P Stahl	●	●●	●●	●●	●●	
M Nichtrostender Stahl	●●	●●	●●	●	●	
K Gusseisen		●●	●●	●●	●●	
N NE-Metalle	●●	●●	●●	●●	●●	
S Schwer zerspanbare Werkstoffe	●	●	●●	●●	●●	
H Harte Werkstoffe						
O Andere	●	●	●	●	●	
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	A1154TFT	A1149XPL	A1148	A3153	A3143	

8 x D_C

	DA110 Perform	A4247 Alpha® XE	A4244 VA	A1254TFT VA Inox	A1249XPL UFL®	A1247 Alpha® XE	A1244 VA
				R	R		
	DIN 338	DIN 345	DIN 345	DIN 338	DIN 338	DIN 338	DIN 338
	WZ90AJ	unbeschichtet	unbeschichtet	TFT	XPL	unbeschichtet	unbeschichtet
	Zylinderschaft	Morsekegel	Morsekegel	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft
	1–16	10–40	10–32	3–16	1–20	1–16	0,3–15
	●●	●●	●	●	●●	●●	●
	●	●●	●●	●●	●●	●●	●●
	●●	●●			●●	●●	
	●	●●	●	●●	●●	●●	●
		●●	●●	●	●	●●	●●
	●	●		●	●	●	
	DA110	A4247	A4244	A1254TFT	A1249XPL	A1247	A1244

HSS-Bohrer

B1

Bohrtiefe	**8 x D_C**			**12 x D_C**	

Bezeichnung	**A1222 UFL®**	**A1211TIN**	**A1211**	**A4422 UFL®**	**A1549TFP UFL®**
Weitere Service	R			R	R
Norm	DIN 338	DIN 338	DIN 338	DIN 341	DIN 340
Beschichtung / Sorte	unbeschichtet	TIN	unbeschichtet	unbeschichtet	TFP
Schaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Morsekegel	Zylinderschaft
Ø-Bereich [mm]	1–16	0,5–16	0,2–22	10–31	1–12
P Stahl	●●	●●	●●	●●	●●
M Nichtrostender Stahl	●	●	●	●	●●
K Gusseisen	●●	●●	●●	●●	●●
N NE-Metalle	●●	●	●	●●	●●
S Schwer zerspanbare Werkstoffe	●	●	●	●	●
H Harte Werkstoffe					
O Andere	●	●	●	●	●
Seite im Katalog					
QR-Code					
www.walter-tools.com/woc/	A1222	A1211TIN	A1211	A4422	A1549TFP

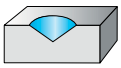
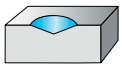
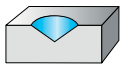
	12 x D_C				16 x D_C		
							
	A1547 Alpha® XE	A1544 VA	A1522 UFL®	A1511	A4622 UFL®	A4611	A1622 UFL®
			R		R		R
	DIN 340	DIN 340	DIN 340	DIN 340	DIN 1870 I	DIN 1870 I	DIN 1869 I
	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet
	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Morsekegel	Morsekegel	Zylinderschaft
	1–12,7	1–12	1–22,23	0,5–22	12–30	8–40	2–12,7
	●	●	●●	●	●●	●	●●
	●●	●●	●	●	●	●	●
	●●		●●	●	●●	●	●●
	●	●	●●	●	●●	●	●●
	●●	●●	●	●	●	●	●
	●		●	●	●	●	●
	A1547	A1544	A1522	A1511	A4622	A4611	A1622

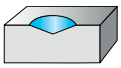
HSS-Bohrer

Bohrtiefe	22 x D_C		30 x D_C	60 x D_C	85 x D_C
Bezeichnung	A4722 UFL®	A1722 UFL®	A1822 UFL®	A1922S UFL®	A1922L UFL®
Weitere Service	R	R	R	R	R
Norm	DIN 1870 II	DIN 1869 II	DIN 1869 III	Walter	Walter
Beschichtung / Sorte	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet
Schaft	Morsekegel	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft
Ø-Bereich [mm]	8–40	3–12	3,5–12	6–14	8–12
P Stahl	●●	●●	●●	●●	●●
M Nichtrostender Stahl	●	●	●	●	●
K Gusseisen	●●	●●	●●	●●	●●
N NE-Metalle	●●	●●	●●	●●	●●
S Schwer zerspanbare Werkstoffe	●	●	●	●	●
H Harte Werkstoffe					
O Andere	●	●	●	●	●
Seite im Katalog					
QR-Code					
www.walter-tools.com/woc/	A4722	A1722	A1822	A1922S	A1922L

B1

VHM- und HSS-NC-Anbohrer

Bearbeitung						
						
Norm	**Walter**	**Walter**	**Walter**	**Walter**	**Walter**	
Senkwinkel	**90°**	120°		90°		
						
Bezeichnung	**A1174**	**A1174C**	**A1115L**	**A1115**	**A1115S**	
Weitere Service	R	R				
Beschichtung / Sorte	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet	
Schaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	
Ø-Bereich [mm]	3–20	3–20	4–25,4	4–20	2–25,4	
P Stahl			●●	●●	●●	
M Nichtrostender Stahl			●	●	●	
K Gusseisen	●	●	●●	●●	●●	
N NE-Metalle	●●	●●	●●	●●	●●	
S Schwer zerspanbare Werkstoffe	●●	●●	●	●	●	
H Harte Werkstoffe						
O Andere	●●	●●	●●	●●	●●	
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	A1174	A1174C	A1115L	A1115	A1115S	



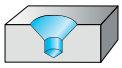
	Walter	Walter	Walter
		120°	
			
	A1114L	A1114	A1114S
	unbeschichtet	unbeschichtet	unbeschichtet
	Zylinderschaft	Zylinderschaft	Zylinderschaft
	4–12,7	4–20	2–25,4
	●●	●●	●●
	●	●	●
	●●	●●	●●
	●●	●●	●●
	●	●	●
	●●	●●	●●

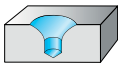
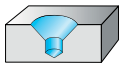
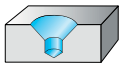
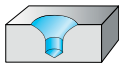
A1114L

A1114

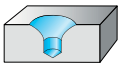
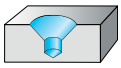
A1114S

VHM- und HSS-Zentrierbohrer

Bearbeitung						
Form	A	A	A	A	A	
						
Bezeichnung	**K1911**	**K1811**	**K1411S**	**K1411M**	**K1411L**	
Norm	B.S. 328	ANSI B94.11	WALTER STANDARD	WALTER STANDARD	WALTER STANDARD	
Schneidstoff	HSS	HSS	HSS	HSS	HSS	
Beschichtung / Sorte	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet	unbeschichtet	
Schaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	
Ø-Bereich [mm]	1,19–7,94	0,64–7,94	0,75–5	0,75–4	2–4	
P Stahl	●●	●●	●●	●●	●●	
M Nichtrostender Stahl	●●	●●	●●	●●	●●	
K Gusseisen	●●	●●	●●	●●	●●	
N NE-Metalle	●●	●●	●●	●●	●●	
S Schwer zerspanbare Werkstoffe	●●	●●	●●	●●	●●	
H Harte Werkstoffe						
O Andere	●●	●●	●●	●●	●●	
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	K1911	K1811	K1411S	K1411M	K1411L	

							
	R	A	B	A	A	A	R
							
	K1313	K1311	K1215	K1161XPL	K1161	K1131	K1114
	WALTER STANDARD	WALTER STANDARD	DIN 333-B	DIN 333-A	DIN 333-A	DIN 333-A	DIN 333-R
	HSS	HSS	HSS	VHM	VHM	HSS	HSS
	unbeschichtet	unbeschichtet	unbeschichtet	XPL	unbeschichtet	unbeschichtet	unbeschichtet
	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft	Zylinderschaft mit Fläche
	1–4	0,63–6	1–10	0,5–6,3	0,5–6,3	0,5–6,3	1,6–5
	●●	●●	●●	●●	●●	●●	●●
	●●	●●	●●	●●	●●	●●	●●
	●●	●●	●●	●●	●●	●●	●●
	●●	●●	●●	●●	●●	●●	●●
	●●	●●	●●	●●	●●	●●	●●
				●●	●		
	●●	●●	●●	●●	●●	●●	●●
	K1313	K1311	K1215	K1161XPL	K1161	K1131	K1114

VHM- und HSS-Zentrierbohrer

Bearbeitung					
Form	**R**	**R**	**A**	**A**	**A**
					
Bezeichnung	**K1113TIN**	**K1113**	**K1112**	**K1111TIN**	**K1111**
Norm	DIN 333-R	DIN 333-R	DIN 333-A	DIN 333-A	DIN 333-A
Schneidstoff	HSS	HSS	HSS	HSS	HSS
Beschichtung / Sorte	TIN	unbeschichtet	unbeschichtet	TIN	unbeschichtet
Schaft	Zylinderschaft	Zylinderschaft	Zylinderschaft mit Fläche	Zylinderschaft	Zylinderschaft
Ø-Bereich [mm]	1–5	0,5–10	1,6–5	1–5	0,5–12,5
P Stahl	●●	●●	●●	●●	●●
M Nichtrostender Stahl	●●	●●	●●	●●	●●
K Gusseisen	●●	●●	●●	●●	●●
N NE-Metalle	●●	●●	●●	●●	●●
S Schwer zerspanbare Werkstoffe	●●	●●	●●	●●	●●
H Harte Werkstoffe					
O Andere	●●	●●	●●	●●	●●
Seite im Katalog					
QR-Code					
www.walter-tools.com/woc/	K1113TIN	K1113	K1112	K1111TIN	K1111

Bezeichnungsschlüssel für Walter Titex Vollbohrer

Beispiel:

D	C	1	70	–	16	–	03.000	A	1	–	W	J	30	EJ
1	2	3	4	5	6		7	8	9		Sorte			

1 Werkzeuggruppe

D Drilling (Bohren)

2 Generation

3 Werkzeugart

1 Zylindrischer Bohrer

2 Anfasbohrer

4 Werkzeugtyp

10 Perform Typ N
50 Perform Universal

30 Advance Micro-Bohrer
60 Advance Universal
65 Advance ISO K, ISO N

18 Supreme 180° Spitzenwinkel
31 Supreme Micro-Pilot-Bohrer
33 Supreme Micro-Bohrer
70 Supreme ISO P, ISO K
75 Supreme ISO M, ISO S

5 1. Trennzeichen

– Metrisch

. Inch

6 Bohrtiefe

02 ≈ $2 \times D_c$ nach Walter Norm

03 ≈ $3 \times D_c$ nach DIN 6537 kurz

05 ≈ $5 \times D_c$ nach DIN 6537 lang oder nach Walter Norm

08 ≈ $8 \times D_c$ nach Walter Norm nach DIN 338

12 ≈ $12 \times D_c$ nach Walter Norm

16 ≈ $16 \times D_c$ nach Walter Norm

20 ≈ $20 \times D_c$ nach Walter Norm

25 ≈ $25 \times D_c$ nach Walter Norm

30 ≈ $30 \times D_c$ nach Walter Norm

7 Schneiddurchmesser

8 Schafttyp

A Zylinderschaft DIN 6535 HA

F Zylinderschaft DIN 6535 HE

U Zylinderschaft

D Zylinderschaft DIN 6535 HB / DIN 6535 HE

9 Kühlung

0 Außenkühlung

1 Innenkühlung, axial

Sorten-Bezeichnungsschlüssel für Schneidstoffe aus Vollhartmetall und HSS

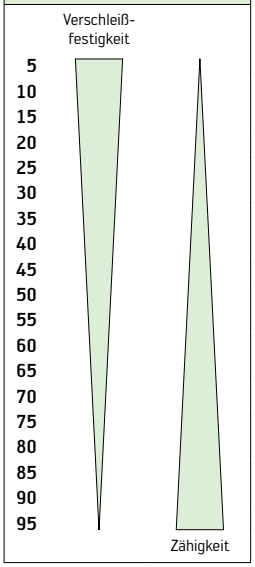
Beispiel:

W	J	30	EJ
Walter	1	2	3

1 Substrat

VHM	J
HSS	Z

2 Anwendungsbereich

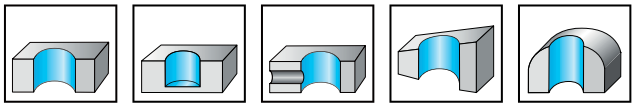


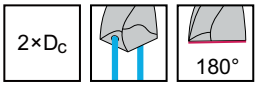
3 Beschichtung

EJ	TiAlN (AlCrN)
RE	TiAlN
TA	TiAlN
EL	AlCrN
ER	AlCrN-Kopfbeschichtung
UU	unbeschichtet
ET	TiSiAlCrN/AlTiN
EU	TiSiAlCrN/AlTiN-Kopfbeschichtung
AJ	TiN-Kopfbeschichtung
RZ	TiAlSiN-(HiPIMS)
RY	TiAlSiN-(HiPIMS)-Kopfbeschichtung

VHM-Spiralbohrerbohrer 180°
DC118 Supreme

– Spezielle Ø-Toleranz für XD Technologie

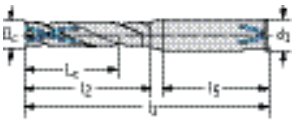




	P	M	K	N	S	H	O
WJ30ET	●●	●●	●●	●●	●●	●	●

B1

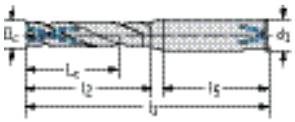
Werkzeug



DIN 6535 HA

Bezeichnung	D_c p7 mm	D_c Inch/Nr	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 mm	WJ30ET
★ DC118-02-03.000A1-	3		7,8	62	12	42	6	
★ DC118-02-03.175A1-	3,175	1/8"	7,7	62	12	42	6	
★ DC118-02-03.300A1-	3,3		7,6	62	12	42	6	
★ DC118-02-03.500A1-	3,5		8,4	62	13	42	6	
★ DC118-02-03.572A1-	3,572	9/64"	8,3	62	13	42	6	
★ DC118-02-03.969A1-	3,969		8,9	66	14	42	6	
★ DC118-02-04.000A1-	4		8,9	66	14	42	6	
★ DC118-02-04.200A1-	4,2		10,7	66	16	42	6	
★ DC118-02-04.500A1-	4,5		10,4	66	16	42	6	
★ DC118-02-04.763A1-	4,763	3/16"	12,2	66	18	42	6	
★ DC118-02-04.800A1-	4,8		12,1	66	18	42	6	
★ DC118-02-05.000A1-	5		11,9	66	18	42	6	
★ DC118-02-05.500A1-	5,5		13,5	66	20	42	6	
★ DC118-02-05.556A1-	5,556	7/32"	14,4	66	21	42	6	
★ DC118-02-05.800A1-	5,8		14,2	66	21	42	6	
★ DC118-02-06.000A1-	6		14	66	21	42	6	
★ DC118-02-06.100A1-	6,1		15,9	79	23	47	8	
★ DC118-02-06.350A1-	6,35	1/4"	15,6	79	23	47	8	
★ DC118-02-06.500A1-	6,5		15,5	79	23	47	8	
★ DC118-02-06.800A1-	6,8		17,2	79	25	47	8	
★ DC118-02-07.000A1-	7		17	79	25	47	8	
★ DC118-02-07.144A1-	7,144	9/32"	19,9	79	28	47	8	
★ DC118-02-07.400A1-	7,4		19,6	79	28	47	8	
★ DC118-02-07.500A1-	7,5		19,5	79	28	47	8	
★ DC118-02-07.938A1-	7,938	5/16"	19,1	79	28	47	8	
★ DC118-02-08.000A1-	8		19	79	28	47	8	
★ DC118-02-08.300A1-	8,3		22,8	89	32	50	10	
★ DC118-02-08.500A1-	8,5		22,6	89	32	50	10	
★ DC118-02-08.731A1-	8,731	11/32"	22,3	89	32	50	10	
★ DC118-02-09.000A1-	9		22,1	89	32	50	10	
★ DC118-02-09.525A1-	9,525	3/8"	24,6	89	35	50	10	
★ DC118-02-09.800A1-	9,8		24,3	89	35	50	10	
★ DC118-02-10.000A1-	10		24,1	89	35	50	10	
★ DC118-02-10.200A1-	10,2		29	102	40	52	12	
★ DC118-02-10.319A1-	10,319	13/32"	28,8	102	40	52	12	
★ DC118-02-10.500A1-	10,5		28,7	102	40	52	12	

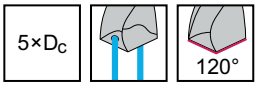
Werkzeug

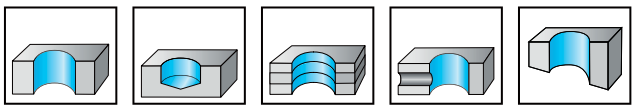


DIN 6535 HA

Bezeichnung	D_c p7 mm	$D_{c\ Inch/Nr}$	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 mm	WJ30ET
★ DC118-02-11.000A1-	11		28,2	102	40	52	12	
★ DC118-02-11.113A1-	11,113	7/16"	31,1	102	43	52	12	
★ DC118-02-11.500A1-	11,5		30,8	102	43	52	12	
★ DC118-02-11.800A1-	11,8		30,5	102	43	52	12	
★ DC118-02-11.906A1-	11,906	15/32"	30,4	102	43	52	12	
★ DC118-02-12.000A1-	12		30,3	102	43	52	12	
★ DC118-02-12.500A1-	12,5		35,9	107	49	52	14	
★ DC118-02-12.700A1-	12,7	1/2"	35,7	107	49	52	14	
★ DC118-02-13.000A1-	13		35,5	107	49	52	14	
★ DC118-02-13.500A1-	13,5		35,1	107	49	52	14	
★ DC118-02-14.000A1-	14		34,7	107	49	52	14	
★ DC118-02-14.288A1-	14,288	9/16"	41,4	115	56	53	16	
★ DC118-02-14.500A1-	14,5		41,3	115	56	53	16	
★ DC118-02-15.000A1-	15		40,9	115	56	53	16	
★ DC118-02-16.000A1-	16		40,2	115	56	53	16	
★ DC118-02-17.000A1-	17		46,5	123	63	53	18	
★ DC118-02-17.500A1-	17,5		46,2	123	63	53	18	
★ DC118-02-18.000A1-	18		45,9	123	63	53	18	
★ DC118-02-19.000A1-	19		52,3	131	70	55	20	
★ DC118-02-20.000A1-	20		51,9	131	70	55	20	

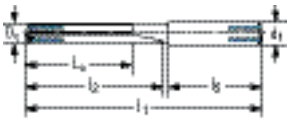
VHM-Bohrer mit Kühlkanal, geradege.
DC165 Advance





	P	M	K	N	S	H	O
WJ30UU			●●	●●			

Werkzeug



DIN 6535 HA

Bezeichnung	D_c k6 mm	L_c mm	l_1 mm	l_2 mm	l_5 mm	d_1 mm	WJ30UU
★ DC165-05-04.000A1-	4	16	74	31	36	6	●
★ DC165-05-05.000A1-	5	22	82	40	36	6	●
★ DC165-05-06.000A1-	6	22	82	40	36	6	●
★ DC165-05-08.000A1-	8	29	91	49	36	8	●
★ DC165-05-08.500A1-	8,5	37	103	57	40	10	●
★ DC165-05-10.000A1-	10	37	103	57	40	10	●
★ DC165-05-10.200A1-	10,2	43	118	67	45	12	●
★ DC165-05-11.000A1-	11	43	118	67	45	12	●
★ DC165-05-12.000A1-	12	43	118	67	45	12	●
★ DC165-05-14.000A1-	14	45	124	73	45	14	●
★ DC165-05-15.000A1-	15	55	133	79	48	16	●
★ DC165-05-16.000A1-	16	55	133	79	48	16	●

Bezeichnungsschlüssel für quadratische Wendeschneidplatten zum Vollbohren

P484	0	C	–	2	R	–	E77
1	2	3		4	5		6

1	
Walter Wendeschneidplatten-Bezeichnung	
P284	für D3120
P484	für D4120, D4170 und B421.

2	
Ausführung	
0	umfangsgeschliffen
1	umfangsgesintert

3	
Position	
C	Zentrumsplatte
P	Außenplatte
S	Zentrums- und Außenplatte identisch

4	
Plattengröße	
P284	
1	D_c = 16,00–20,00
2	D_c = 21,00–25,00
3	D_c = 26,00–30,00
4	D_c = 31,00–36,00
5	D_c = 37,00–42,00
6	D_c = 43,00–50,00
7	D_c = 50,50–58,00
P484	
1	D_c = 13,50–16,00
2	D_c = 16,50–20,00
3	D_c = 20,50–24,00
4	D_c = 24,50–29,00
5	D_c = 29,50–35,00
6	D_c = 36,00–42,00
7	D_c = 43,00–50,00
8	D_c = 51,00–59,00

5	
Schneidrichtung	
R	rechtsschneidend
N	neutral

6	
Walter Geometrie	
A57	die Stabile
E57	die Universelle
E67	die Positive
E77	die Scharfe

Bezeichnungsschlüssel für Wechselplatten zum Vollbohren

P600	6	–	D 37,99	R	WPP25
1	2		3	4	5

1		
Walter Wechselplatten-Bezeichnung		
P600x	für	D4140 / D4240 / B401 . .

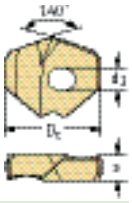
2	
Walter Geometrie	
1	für ISO P
3	für ISO M, ISO S
4	für ISO N
5	für ISO K
6	für ISO P

3	
Plattendurchmesser	
D	in mm

4	
Schneidrichtung	
R	rechtsschneidend

5
Beschichtung

Wechselplatten
P6005 / P6006



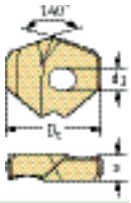
Bohrspitzen

	Bezeichnung	Anzahl Schneid-kanten	D_c mm	Sitzgröße	d_1 mm	s mm	P HC WPP25	K HC WKK45C
	P6005-D12,00R	1	12	A	3	3,6		●
	P6005-D12,10R	1	12,1	A	3	3,6		●
	P6005-D12,20R	1	12,2	A	3	3,6		●
	P6005-D12,30R	1	12,3	A	3	3,6		●
	P6005-D12,40R	1	12,4	A	3	3,6		●
	P6005-D12,50R	1	12,5	A	3	3,6		●
	P6005-D12,60R	1	12,6	A	3	3,6		●
	P6005-D12,70R	1	12,7	A	3	3,6		●
	P6005-D12,80R	1	12,8	A	3	3,6		●
	P6005-D12,90R	1	12,9	A	3	3,6		●
	P6005-D12,95R	1	12,95	A	3	3,6		●
	P6005-D13,00R	1	13	A	3	3,6		●
	P6005-D13,10R	1	13,1	A	3	3,6		●
	P6005-D13,11R	1	13,11	A	3	3,6		●
	P6005-D13,20R	1	13,2	A	3	3,6		●
	P6005-D13,25R	1	13,25	A	3	3,6		●
	P6005-D13,30R	1	13,3	A	3	3,6		●
	P6005-D13,40R	1	13,4	A	3	3,6		●
	P6005-D13,49R	1	13,49	A	3	3,6		●
	P6005-D13,50R	1	13,5	A	3	3,6		●
	P6005-D13,60R	1	13,6	A	3	3,6		●
	P6005-D13,70R	1	13,7	A	3	3,6		●
	P6005-D13,80R	1	13,8	A	3	3,6		●
	P6005-D13,89R	1	13,89	A	3	3,6		●
	P6005-D13,90R	1	13,9	A	3	3,6		●
	P6005-D14,00R	1	14	B	3	4		●
	P6005-D14,10R	1	14,1	B	3	4		●
	P6005-D14,20R	1	14,2	B	3	4		●
	P6005-D14,29R	1	14,29	B	3	4		●
	P6005-D14,30R	1	14,3	B	3	4		●
	P6005-D14,40R	1	14,4	B	3	4		●
	P6005-D14,50R	1	14,5	B	3	4		●
	P6005-D14,60R	1	14,6	B	3	4		●
	P6005-D14,68R	1	14,68	B	3	4		●
	P6005-D14,70R	1	14,7	B	3	4		●
	P6005-D14,80R	1	14,8	B	3	4		●
	P6005-D14,90R	1	14,9	B	3	4		●
	P6005-D15,00R	1	15	B	3	4		●
	P6005-D15,08R	1	15,08	B	3	4		●
	P6005-D15,09R	1	15,09	B	3	4		●
	P6005-D15,10R	1	15,1	B	3	4		●

Bestellbeispiel: P60.. -D13,00R gibt es als
P6006 in der Sorte WPP25 (ISO P, unlegierte Stähle): P6006-D13,00R WPP25
P6003 in der Sorte WMP35 (ISO P, ISO M und ISO S): P6003-D13,00R WMP35 oder als
P6001 in der Sorte WPP45C (ISO P): P6001-D13,00R WPP45C

HC = beschichtetes Hartmetall

Wechselplatten
P6005 / P6006



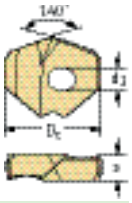
Bohrspitzen

	Bezeichnung	Anzahl Schneid-kanten	D_c mm	Sitzgröße	d_1 mm	s mm	P HC WPP25	K HC WKK45C
	P6005-D15,20R	1	15,2	B	3	4		✱
	P6005-D15,30R	1	15,3	B	3	4		✱
	P6005-D15,40R	1	15,4	B	3	4		✱
	P6005-D15,47R	1	15,47	B	3	4		✱
	P6005-D15,48R	1	15,48	B	3	4		✱
	P6005-D15,50R	1	15,5	B	3	4		✱
	P6005-D15,60R	1	15,6	B	3	4		✱
	P6005-D15,70R	1	15,7	B	3	4		✱
	P6005-D15,80R	1	15,8	B	3	4		✱
	P6005-D15,87R	1	15,87	B	3	4		✱
	P6005-D15,88R	1	15,88	B	3	4		✱
	P6005-D15,90R	1	15,9	B	3	4		✱
	P6005-D16,00R	1	16	C	4	4,5		✱
	P6005-D16,13R	1	16,13	C	4	4,5		✱
	P6005-D16,26R	1	16,26	C	4	4,5		✱
	P6005-D16,27R	1	16,27	C	4	4,5		✱
	P6005-D16,43R	1	16,43	C	4	4,5		✱
	P6005-D16,50R	1	16,5	C	4	4,5		✱
	P6005-D16,66R	1	16,66	C	4	4,5		✱
	P6005-D16,67R	1	16,67	C	4	4,5		✱
	P6005-D16,70R	1	16,7	C	4	4,5		✱
	P6005-D16,80R	1	16,8	C	4	4,5		✱
	P6005-D17,00R	1	17	C	4	4,5		✱
	P6005-D17,07R	1	17,07	C	4	4,5		✱
	P6005-D17,20R	1	17,2	C	4	4,5		✱
	P6005-D17,45R	1	17,45	C	4	4,5		✱
	P6005-D17,46R	1	17,46	C	4	4,5		✱
	P6005-D17,50R	1	17,5	C	4	4,5		✱
	P6005-D17,70R	1	17,7	C	4	4,5		✱
	P6005-D17,80R	1	17,8	C	4	4,5		✱
	P6005-D17,86R	1	17,86	C	4	4,5		✱
	P6005-D18,00R	1	18	D	4	5		✱
	P6005-D18,24R	1	18,24	D	4	5		✱
	P6005-D18,26R	1	18,26	D	4	5		✱
	P6005-D18,50R	1	18,5	D	4	5		✱
	P6005-D18,65R	1	18,65	D	4	5		✱
	P6005-D18,70R	1	18,7	D	4	5		✱
	P6005-D18,80R	1	18,8	D	4	5		✱
	P6005-D19,00R	1	19	D	4	5		✱
	P6005-D19,05R	1	19,05	D	4	5		✱
	P6005-D19,20R	1	19,2	D	4	5		✱

Bestellbeispiel: P60.. -D13,00R gibt es als
P6006 in der Sorte WPP25 (ISO P, unlegierte Stähle): P6006-D13,00R WPP25
P6003 in der Sorte WMP35 (ISO P, ISO M und ISO S): P6003-D13,00R WMP35 oder als
P6001 in der Sorte WPP45C (ISO P): P6001-D13,00R WPP45C

HC = beschichtetes Hartmetall

Wechselplatten
P6005 / P6006



Bohrspitzen

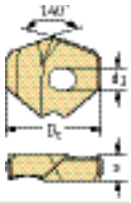
B1

	Bezeichnung	Anzahl Schneid-kanten	D_c mm	Sitzgröße	d_1 mm	s mm	P HC WPP25	K HC WKK45C
	P6005-D19,25R	1	19,25	D	4	5		●
	P6005-D19,30R	1	19,3	D	4	5		●
	P6005-D19,35R	1	19,35	D	4	5		○
	P6005-D19,43R	1	19,43	D	4	5		●
	P6005-D19,45R	1	19,45	D	4	5		●
	P6005-D19,50R	1	19,5	D	4	5		●
	P6005-D19,60R	1	19,6	D	4	5		●
	P6005-D19,70R	1	19,7	D	4	5		●
	P6005-D19,80R	1	19,8	D	4	5		●
	P6005-D19,84R	1	19,84	D	4	5		●
	P6005-D20,00R	1	20	E	5	5,5		●
	P6005-D20,20R	1	20,2	E	5	5,5		●
	P6005-D20,24R	1	20,24	E	5	5,5		●
	P6005-D20,50R	1	20,5	E	5	5,5		●
	P6005-D20,62R	1	20,62	E	5	5,5		●
	P6005-D20,64R	1	20,64	E	5	5,5		●
	P6005-D20,70R	1	20,7	E	5	5,5		●
	P6005-D21,00R	1	21	E	5	5,5		●
	P6005-D21,12R	1	21,12	E	5			○
	P6005-D21,41R	1	21,41	E	5	5,5		●
	P6005-D21,43R	1	21,43	E	5	5,5		●
	P6005-D21,50R	1	21,5	E	5	5,5		●
	P6005-D21,70R	1	21,7	E	5	5,5		●
	P6005-D21,83R	1	21,83	E	5	5,5		●
	P6005-D22,00R	1	22	F	5	6		●
	P6005-D22,22R	1	22,22	F	5	6		●
	P6005-D22,23R	1	22,23	F	5	6		●
	P6005-D22,42R	1	22,42	F	5	6		●
	P6005-D22,47R	1	22,47	F	5	6		●
	P6005-D22,50R	1	22,5	F	5	6		●
	P6005-D22,62R	1	22,62	F	5	6		●
	P6005-D22,70R	1	22,7	F	5	6		●
	P6005-D22,77R	1	22,77	F	5	6		●
	P6005-D23,00R	1	23	F	5	6		●
	P6005-D23,02R	1	23,02	F	5	6		●
	P6005-D23,39R	1	23,39	F	5	6		●
	P6005-D23,50R	1	23,5	F	5	6		●
	P6005-D23,70R	1	23,7	F	5	6		●
	P6005-D23,80R	1	23,8	F	5	6		●
	P6005-D23,81R	1	23,81	F	5	6		●
	P6005-D24,00R	1	24	G	5	6,5		●

Bestellbeispiel: P60.. -D13,00R gibt es als
P6006 in der Sorte WPP25 (ISO P, unlegierte Stähle): P6006-D13,00R WPP25
P6003 in der Sorte WMP35 (ISO P, ISO M und ISO S): P6003-D13,00R WMP35 oder als
P6001 in der Sorte WPP45C (ISO P): P6001-D13,00R WPP45C

HC = beschichtetes Hartmetall

Wechselplatten
P6005 / P6006



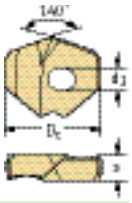
Bohrspitzen

	Bezeichnung	Anzahl Schneid-kanten	D_c mm	Sitzgröße	d_1 mm	s mm	P HC WPP25	K HC WKK45C
	P6005-D24,21R	1	24,21	G	5	6,5		✱
	P6005-D24,50R	1	24,5	G	5	6,5		✱
	P6005-D24,59R	1	24,59	G	5	6,5		✱
	P6005-D24,61R	1	24,61	G	5	6,5		✱
	P6005-D24,70R	1	24,7	G	5	6,5		✱
	P6005-D25,00R	1	25	G	5	6,5		✱
	P6005-D25,25R	1	25,25	G	5	6,5		✱
	P6005-D25,40R	1	25,4	G	5	6,5		✱
	P6005-D25,50R	1	25,5	G	5	6,5		✱
	P6005-D25,65R	1	25,65	G	5	6,5		✱
	P6005-D25,70R	1	25,7	G	5	6,5		✱
	P6005-D25,80R	1	25,8	G	5	6,5		✱
	P6005-D26,00R	1	26	H	6	7,1		✱
	P6005-D26,25R	1	26,25	H	6	7,1		✱
	P6005-D26,50R	1	26,5	H	6	7,1		✱
	P6005-D26,59R	1	26,59	H	6	7,1		✱
	P6005-D27,00R	1	27	H	6	7,1		✱
	P6005-D27,38R	1	27,38	H	6	7,1		✱
	P6005-D27,50R	1	27,5	H	6	7,1		✱
	P6005-D27,78R	1	27,78	H	6	7,1		✱
	P6005-D28,00R	1	28	J	6	7,7		✱
	P6005-D28,17R	1	28,17	J	6	7,7		✱
	P6005-D28,50R	1	28,5	J	6	7,7		✱
	P6005-D28,57R	1	28,57	J	6	7,7		✱
	P6005-D29,00R	1	29	J	6	7,7		✱
	P6005-D29,37R	1	29,37	J	6	7,7		✱
	P6005-D29,50R	1	29,5	J	6	7,7		✱
	P6005-D29,77R	1	29,77	J	6	7,7		✱
	P6005-D30,00R	1	30	K	6	8		✱
	P6005-D30,15R	1	30,15	K	6	8		✱
	P6005-D30,50R	1	30,5	K	6	8		✱
	P6005-D31,00R	1	31	K	6	8		✱
	P6005-D31,50R	1	31,5	K	6	8		✱
	P6005-D31,75R	1	31,75	K	6	8		✱
	P6005-D31,99R	1	31,99	K	6	8		✱
	P6005-D32,00R	1	32	M	6	8,3		✱
	P6005-D32,10R	1	32,1	M	6	8,3		✱
	P6005-D33,00R	1	33	M	6	8,3		✱
	P6005-D34,00R	1	34	N	6	8,6		✱
	P6005-D35,00R	1	35	N	6	8,6		✱
	P6005-D36,00R	1	36	P	6	8,9		✱
	P6005-D37,00R	1	37	P	6	8,9		✱
	P6005-D37,99R	1	37,99	P	6	8,9		✱

Bestellbeispiel: P60.. -D13,00R gibt es als
P6006 in der Sorte WPP25 (ISO P, unlegierte Stähle): P6006-D13,00R WPP25
P6003 in der Sorte WMP35 (ISO P, ISO M und ISO S): P6003-D13,00R WMP35 oder als
P6001 in der Sorte WPP45C (ISO P): P6001-D13,00R WPP45C

HC = beschichtetes Hartmetall

Wechselplatten
P6005 / P6006



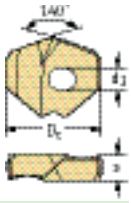
Bohrspitzen

	Bezeichnung	Anzahl Schneid-kanten	D_c mm	Sitzgröße	d_1 mm	s mm	P HC WPP25	K HC WKK45C
	P6006-D12,00R	1	12	A	3	3,6	☺	
	P6006-D12,10R	1	12,1	A	3,4	3,6	☺	
	P6006-D12,20R	1	12,2	A	3,4	3,6	☺	
	P6006-D12,30R	1	12,3	A	3,4	3,6	☺	
	P6006-D12,40R	1	12,4	A	3,4	3,6	☺	
	P6006-D12,50R	1	12,5	A	3	3,6	☺	
	P6006-D12,60R	1	12,6	A	3,4	3,6	☺	
	P6006-D12,70R	1	12,7	A	3	3,6	☺	
	P6006-D12,80R	1	12,8	A	3,4	3,6	☺	
	P6006-D12,90R	1	12,9	A	3,4	3,6	☺	
	P6006-D12,95R	1	12,95	A	3,4	3,6	☺	
	P6006-D13,00R	1	13	A	3	3,6	☺	
	P6006-D13,11R	1	13,11	A	3,4	3,6	☺	
	P6006-D13,20R	1	13,2	A	3,4	3,6	☺	
	P6006-D13,25R	1	13,25	A	3,4	3,6	☺	
	P6006-D13,30R	1	13,3	A	3,4	3,6	☺	
	P6006-D13,35R	1	13,35	A	3,4	3,6	☺	
	P6006-D13,40R	1	13,4	A	3,4	3,6	☺	
	P6006-D13,45R	1	13,45	A	3,4	3,6	☺	
	P6006-D13,50R	1	13,5	A	3	3,6	☺	
	P6006-D13,60R	1	13,6	A	3,4	3,6	☺	
	P6006-D13,70R	1	13,7	A	3	3,6	☺	
	P6006-D13,80R	1	13,8	A	3,4	3,6	☺	
	P6006-D13,89R	1	13,89	A	3,4	3,6	☺	
	P6006-D14,00R	1	14	B	3	4	☺	
	P6006-D14,10R	1	14,1	B	3	4	☺	
	P6006-D14,20R	1	14,2	B	3	4	☺	
	P6006-D14,30R	1	14,3	B	3	4	☺	
	P6006-D14,40R	1	14,4	B	3,4	4	☺	
	P6006-D14,50R	1	14,5	B	3	4	☺	
	P6006-D14,60R	1	14,6	B	3,4	4	☺	
	P6006-D14,68R	1	14,68	B	3	4	☺	
	P6006-D14,80R	1	14,8	B	3,4	4	☺	
	P6006-D14,90R	1	14,9	B	3,4	4	☺	
	P6006-D15,00R	1	15	B	3	4	☺	
	P6006-D15,09R	1	15,09	B	3	4	☺	
	P6006-D15,20R	1	15,2	B	3	4	☺	
	P6006-D15,30R	1	15,3	B	3	4	☺	
	P6006-D15,35R	1	15,35	B	3,4	4	☺	

Bestellbeispiel: P60.. -D13,00R gibt es als
P6006 in der Sorte WPP25 (ISO P, unlegierte Stähle): P6006-D13,00R WPP25
P6003 in der Sorte WMP35 (ISO P, ISO M und ISO S): P6003-D13,00R WMP35 oder als
P6001 in der Sorte WPP45C (ISO P): P6001-D13,00R WPP45C

HC = beschichtetes Hartmetall

Wechselplatten
P6005 / P6006



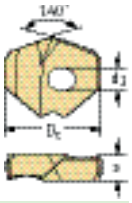
Bohrspitzen

	Bezeichnung	Anzahl Schneid-kanten	D_c mm	Sitzgröße	d_1 mm	s mm	P HC WPP25	K HC WKK45C
	P6006-D15,40R	1	15,4	B	3,4	4	☹	
	P6006-D15,47R	1	15,47	B	3,4	4	☹	
	P6006-D15,50R	1	15,5	B	3	4	☺	
	P6006-D15,60R	1	15,6	B	3,4	4	☹	
	P6006-D15,70R	1	15,7	B	3	4	☺	
	P6006-D15,80R	1	15,8	B	3,4	4	☹	
	P6006-D15,87R	1	15,87	B	3	4	☺	
	P6006-D16,00R	1	16	C	4	4,5	☺	
	P6006-D16,13R	1	16,13	C	4,4	4,5	☹	
	P6006-D16,26R	1	16,26	C	4	4,5	☺	
	P6006-D16,43R	1	16,43	C	4,4	4,5	☹	
	P6006-D16,50R	1	16,5	C	4	4,5	☺	
	P6006-D16,66R	1	16,66	C	4	4,5	☺	
	P6006-D16,70R	1	16,7	C	4	4,5	☺	
	P6006-D16,85R	1	16,85	C	4,4	4,5	☹	
	P6006-D17,00R	1	17	C	4	4,5	☺	
	P6006-D17,07R	1	17,07	C	4	4,5	☺	
	P6006-D17,20R	1	17,2	C	4,4	4,5	☹	
	P6006-D17,35R	1	17,35	C	4,4	4,5	☹	
	P6006-D17,45R	1	17,45	C	4	4,5	☺	
	P6006-D17,50R	1	17,5	C	4	4,5	☺	
	P6006-D17,60R	1	17,6	C	4,4	4,5	☹	
	P6006-D17,70R	1	17,7	C	4	4,5	☺	
	P6006-D17,86R	1	17,86	C	4	4,5	☺	
	P6006-D18,00R	1	18	D	4	5	☺	
	P6006-D18,24R	1	18,24	D	4	5	☺	
	P6006-D18,50R	1	18,5	D	4	5	☺	
	P6006-D18,65R	1	18,65	D	4	5	☺	
	P6006-D18,70R	1	18,7	D	4	5	☺	
	P6006-D18,80R	1	18,8	D	4,4	5	☹	
	P6006-D19,00R	1	19	D	4	5	☺	
	P6006-D19,05R	1	19,05	D	4	5	☺	
	P6006-D19,10R	1	19,1	D	4,4	5	☹	
	P6006-D19,20R	1	19,2	D	4,4	5	☹	
	P6006-D19,25R	1	19,25	D	4	5	☺	
	P6006-D19,30R	1	19,3	D	4,4	5	☹	
	P6006-D19,35R	1	19,35	D	4,4	5	☹	
	P6006-D19,43R	1	19,43	D	4,4	5	☹	
	P6006-D19,50R	1	19,5	D	4	5	☺	
	P6006-D19,60R	1	19,6	D	4,4	5	☹	
	P6006-D19,70R	1	19,7	D	4	5	☺	

Bestellbeispiel: P60.. -D13,00R gibt es als
P6006 in der Sorte WPP25 (ISO P, unlegierte Stähle): P6006-D13,00R WPP25
P6003 in der Sorte WMP35 (ISO P, ISO M und ISO S): P6003-D13,00R WMP35 oder als
P6001 in der Sorte WPP45C (ISO P): P6001-D13,00R WPP45C

HC = beschichtetes Hartmetall

Wechselplatten
P6005 / P6006



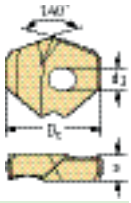
Bohrspitzen

	Bezeichnung	Anzahl Schneid-kanten	D_c mm	Sitzgröße	d_1 mm	s mm	P HC WPP25	K HC WKK45C
	P6006-D19,84R	1	19,84	D	4	5	☺	
	P6006-D20,00R	1	20	E	5	5,5	☺	
	P6006-D20,20R	1	20,2	E	5,4	5,5	☹	
	P6006-D20,24R	1	20,24	E	5	5,5	☺	
	P6006-D20,50R	1	20,5	E	5	5,5	☺	
	P6006-D20,62R	1	20,62	E	5	5,5	☺	
	P6006-D20,70R	1	20,7	E	5	5,5	☺	
	P6006-D20,85R	1	20,85	E	5,4	5,5	☹	
	P6006-D21,00R	1	21	E	5	5,5	☺	
	P6006-D21,41R	1	21,41	E	5,4	5,5	☹	
	P6006-D21,50R	1	21,5	E	5	5,5	☺	
	P6006-D21,70R	1	21,7	E	5	5,5	☺	
	P6006-D21,83R	1	21,83	E	5,4	5,5	☹	
	P6006-D22,00R	1	22	F	5	6	☺	
	P6006-D22,22R	1	22,22	F	5	6	☺	
	P6006-D22,42R	1	22,42	F	5,4	6	☹	
	P6006-D22,47R	1	22,47	F	5,4	6	☹	
	P6006-D22,50R	1	22,5	F	5	6	☺	
	P6006-D22,60R	1	22,6	F	5,4	6	☹	
	P6006-D22,62R	1	22,62	F	5,4	6	☹	
	P6006-D22,70R	1	22,7	F	5	6	☺	
	P6006-D22,77R	1	22,77	F	5,4	6	☹	
	P6006-D23,00R	1	23	F	5	6	☺	
	P6006-D23,10R	1	23,1	F	5,4	6	☹	
	P6006-D23,39R	1	23,39	F	5,4	6	☹	
	P6006-D23,50R	1	23,5	F	5	6	☺	
	P6006-D23,70R	1	23,7	F	5,4	6	☹	
	P6006-D23,80R	1	23,8	F	5	6	☺	
	P6006-D24,00R	1	24	G	5	6,5	☺	
	P6006-D24,21R	1	24,21	G	5,4	6,5	☹	
	P6006-D24,50R	1	24,5	G	5	6,5	☺	
	P6006-D24,59R	1	24,59	G	5,4	6,5	☹	
	P6006-D24,70R	1	24,7	G	5	6,5	☺	
	P6006-D25,00R	1	25	G	5	6,5	☺	
	P6006-D25,25R	1	25,25	G	5	6,5	☺	
	P6006-D25,40R	1	25,4	G	5	6,5	☺	
	P6006-D25,50R	1	25,5	G	5	6,5	☺	
	P6006-D25,60R	1	25,6	G	5,4	6,5	☹	
	P6006-D25,65R	1	25,65	G	5	6,5	☺	
	P6006-D25,70R	1	25,7	G	5	6,5	☺	
	P6006-D25,80R	1	25,8	G	5	6,5	☺	

Bestellbeispiel: P60.. -D13,00R gibt es als
P6006 in der Sorte WPP25 (ISO P, unlegierte Stähle): P6006-D13,00R WPP25
P6003 in der Sorte WMP35 (ISO P, ISO M und ISO S): P6003-D13,00R WMP35 oder als
P6001 in der Sorte WPP45C (ISO P): P6001-D13,00R WPP45C

HC = beschichtetes Hartmetall

Wechselplatten
P6005 / P6006



Bohrspitzen

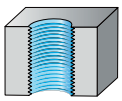
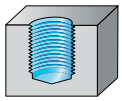
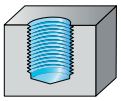
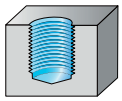
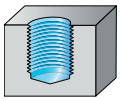
	Bezeichnung	Anzahl Schneid-kanten	D_c mm	Sitzgröße	d_1 mm	s mm	P HC WPP25	K HC WKK45C
	P6006-D26,00R	1	26	H	6	7,1	☺	
	P6006-D26,25R	1	26,25	H	6	7,1	☺	
	P6006-D26,50R	1	26,5	H	6	7,1	☺	
	P6006-D26,59R	1	26,59	H	6,4	7,1	☹	
	P6006-D27,00R	1	27	H	6	7,1	☺	
	P6006-D27,38R	1	27,38	H	6,4	7,1	☹	
	P6006-D27,50R	1	27,5	H	6	7,1	☺	
	P6006-D27,78R	1	27,78	H	6,4	7,1	☹	
	P6006-D28,00R	1	28	J	6	7,7	☺	
	P6006-D28,17R	1	28,17	J	6,4	7,7	☹	
	P6006-D28,35R	1	28,35	J	6,4	7,7	☹	
	P6006-D28,50R	1	28,5	J	6	7,7	☺	
	P6006-D28,57R	1	28,57	J	6	7,7	☺	
	P6006-D29,00R	1	29	J	6	7,7	☺	
	P6006-D29,10R	1	29,1	J	6,4	7,7	☹	
	P6006-D29,37R	1	29,37	J	6,4	7,7	☹	
	P6006-D29,50R	1	29,5	J	6	7,7	☺	
	P6006-D29,77R	1	29,77	J	6,4	7,7	☹	
	P6006-D30,00R	1	30	K	6	8	☺	
	P6006-D30,15R	1	30,15	K	6,4	8	☹	
	P6006-D30,50R	1	30,5	K	6	8	☺	
	P6006-D31,00R	1	31	K	6	8	☺	
	P6006-D31,35R	1	31,35	K	6,4	8	☹	
	P6006-D31,50R	1	31,5	K	6	8	☺	
	P6006-D31,75R	1	31,75	K	6	8	☺	
	P6006-D31,99R	1	31,99	K	6	8	☺	
	P6006-D32,00R	1	32	M	6	8,3	☺	
	P6006-D32,10R	1	32,1	M	6,4	8,3	☹	
	P6006-D33,00R	1	33	M	6	8,3	☺	
	P6006-D34,00R	1	34	N	6	8,6	☺	
	P6006-D34,10R	1	34,1	N	6,4	8,6	☹	
	P6006-D34,60R	1	34,6	N	6,4	8,6	☹	
	P6006-D35,00R	1	35	N	6	8,6	☺	
	P6006-D36,00R	1	36	P	6	8,9	☺	
	P6006-D37,00R	1	37	P	6	8,9	☺	
	P6006-D37,99R	1	37,99	P	6	8,9	☺	

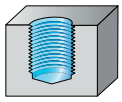
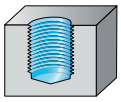
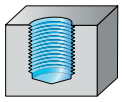
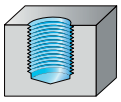
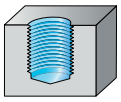
Bestellbeispiel: P60.. -D13,00R gibt es als
P6006 in der Sorte WPP25 (ISO P, unlegierte Stähle): P6006-D13,00R WPP25
P6003 in der Sorte WMP35 (ISO P, ISO M und ISO S): P6003-D13,00R WMP35 oder als
P6001 in der Sorte WPP45C (ISO P): P6001-D13,00R WPP45C

HC = beschichtetes Hartmetall

B – Gewinden

VHM-Gewindebohrer

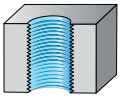
Bearbeitung						
Gewindetiefe	2 x D_N	2 x D_N	2 x D_N	3 x D_N	1,5 x D_N	
		NEW	NEW			
						
Bezeichnung	**Prototex® HSC**	**TC388 Supreme**	**TC389 Supreme**	**Paradur® HS**	**Paradur® N**	
Gewindeart						
M	✔	✔	✔	✔	✔	
MF	✔			✔		
UNC / UNF / UN-8				✔		
G / Rc / Rp		✔				
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr						
Einsatzgewinde						
Toleranz	6HX	6HX / NORMAL	6HX	2B / 6H	6H	
Kühlmittelzufuhr	axial	extern	extern	extern	extern	
Anschnittform	B	C	D	C	C	
Beschichtung / Sorte	TICN	WJ30BA	WE10BA	TICN / unbeschichtet	TICN / unbeschichtet	
Schneidstoff	VHM	VHM	VHM	VHM	VHM	
P Stahl	●●					
M Nichtrostender Stahl						
K Gusseisen	●●			●	●●	
N NE-Metalle				●●	●●	
S Schwer zerspanbare Werkstoffe		●	●	●		
H Harte Werkstoffe		●●	●●	●		
O Andere				●●	●	
Seite im Katalog		236	235			
QR-Code						
www.walter-tools.com/woc/	prototex-hsc	TC388	TC389	paradur-hs	paradur-n	

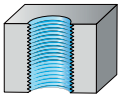






	2 x D_N	3 x D_N	3 x D_N	3,5 x D_N	3,5 x D_N
					
	Paradur® HSC	**Paradur® Engine**	**Paradur® HS**	**Paradur® GG**	**Paradur® N**
	✔	✔	✔	✔	✔
	✔	✔		✔	
	6HX	6HX	6H	6HX	6H
	axial	axial	axial	axial	axial
	C	E	C	C	C
	TICN	unbeschichtet	TICN	TAFT / unbeschichtet	unbeschichtet
	VHM	VHM	VHM	VHM	VHM
	●●				
	●●	●●	●	●●	●●
		●●	●●	●	●●
			●		
	●●		●		
			●●	●	●
	paradur-hsc	paradur-engine	paradur-hs	paradur-gg	paradur-n

B 4

HSS-E (-PM) Gewindebohrer

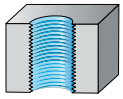
Bearbeitung						
Gewindetiefe	1 x D_N	1 x D_N	1 x D_N	1 x D_N	1 x D_N	
						
Bezeichnung	**AMB**	**AMB Inox**	**MMB**	**Protostep Inox**	**Prototex® OS**	
Gewindeart						
M	✔	✔	✔	✔	✔	
MF						
UNC / UNF / UN-8						
G / Rc / Rp						
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr						
Einsatzgewinde						
Toleranz	6G / 7G	6HX	6H	6HX	6H	
Kühlmittelzufuhr	extern	extern	extern	extern	extern	
Anschnittform	18 P	18 P	20 P / 21 P / 22 P / 25 P / 26 P / 30 P / 32 P / 36 P	NA	B	
Beschichtung / Sorte	NID / TIN	NID	unbeschichtet	VAP	unbeschichtet	
Schneidstoff	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	
P Stahl	●●		●●		●●	
M Nichtrostender Stahl		●●		●●		
K Gusseisen						
N NE-Metalle					●	
S Schwer zerspanbare Werkstoffe						
H Harte Werkstoffe						
O Andere						
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	amb	amb-inox	mmb	protostep-inox	prototex-os	

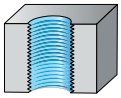


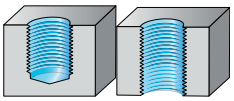
	2 x D_N	2 x D_N	2 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N
							
	Prototex® TiNi	Prototex® TiNi Plus	TMB	KMB H	Paradur® N	Prototex® Megasprint	Prototex® Sprint
	✔	✔		✔	✔	✔	✔
	✔	✔					✔
	✔						
		✔					
			✔				
	✔						
	2B / 3B / 4H / 4HX	3B / 6HX	7H	6H / NORMAL	6H	6H	6H
	extern	extern	extern	extern	extern	axial	extern
	B	B	24 P	B	D	B	B
	TICN / unbeschichtet	ACN	unbeschichtet	unbeschichtet	unbeschichtet	TIN	TICN / TIN
	HSS-E-PM	HSS-E-PM	HSS-E	HSS-E	HSS-E	HSS-E-PM	HSS-E-PM
	●●		●●	●●	●●	●	●
	●●					●	●
			●●	●●	●●		
	●		●●	●●	●●	●	●
	●●	●●					
			●	●			
	prototex-tini	prototex-tini-plus	tmb	kmb-h	paradur-n	prototex-megasprint	prototex-sprint

B 4

HSS-E (-PM) Gewindebohrer

Bearbeitung						
Gewindetiefe	3 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N	
						
Bezeichnung	**Prototex® Synchrospeed**	**Prototex® X-pert M**	**Prototex® X-pert N**	**Prototex® X-pert P**	**Prototex® X-pert P AZ**	
Gewindeart						
M	✔	✔	✔	✔	✔	
MF	✔	✔		✔		
UNC / UNF / UN-8		✔		✔		
G / Rc / Rp		✔		✔		
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr				✔		
Einsatzgewinde		✔		✔		
Toleranz	6HX	2B / 3B / 5HX / 6GX	6H	2B / 3B / 4H / 6G /	6H	
Kühlmittelzufuhr	extern	extern	extern	extern	extern	
Anschnittform	B	B	B	B	B	
Beschichtung / Sorte	THL / TIN	TICN / TIN / VAP	unbeschichtet	TICN / TIN / unbeschichtet	unbeschichtet	
Schneidstoff	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	
P Stahl	●●	●		●●	●●	
M Nichtrostender Stahl	●●	●●				
K Gusseisen	●●				●●	
N NE-Metalle	●●		●●	●	●●	
S Schwer zerspanbare Werkstoffe	●●		●			
H Harte Werkstoffe						
O Andere	●●		●	●	●	
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	prototex-	prototex-xpert-m	prototex-xpert-n	prototex-xpert-p	prototex-xpert-p-az	

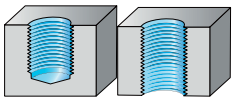


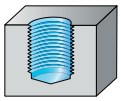
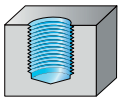
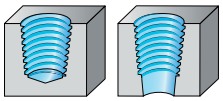


	3,5 x D_N	3,5 x D_N	1,5 x D_N	1,5 x D_N	2 x D_N	2 x D_N	2 x D_N
							
	Prototex® Eco Plus	TC216 Perform	Paradur® H	Paradur® H AZ	HGB	HGB Inox	HGB Ti
	✔	✔	✔	✔	✔	✔	✔
	✔	✔	✔				
	✔	✔					
	✔		✔				
	2B / 6GX / 6HX /	2B / 6H	6H / NORMAL	6H	6H	6HX	6HX
	extern / axial	extern	extern	extern	extern	extern	extern
	B	B	C	C	C	C	C
	THL / TIN	WY80AA / WY80FC	TIN / unbeschichtet	unbeschichtet	unbeschichtet	VAP	NID
	HSS-E-PM	HSS-E	HSS-E	HSS-E	HSS	HSS-E	HSS-E
	●●	●●			●	●	
	●●	●●				●	
	●●	●●	●	●●	●		
	●●	●●	●●	●●	●		
							●
			●	●			
	prototex-eco-plus	TC216	paradur-h	paradur-h-az	hgb	hgb-inox	hgb-ti

B 4

HSS-E (-PM) Gewindebohrer

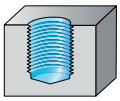
Bearbeitung						
Gewindetiefe	2 x D_N	2 x D_N	3 x D_N	3 x D_N	3 x D_N	
						
Bezeichnung	**Paradur® AP**	**Paradur® FT**	**KMB Ms**	**Paradur® Eco CI**	**Paradur® X·pert K**	
Gewindeart						
M	✔	✔	✔	✔	✔	
MF				✔		
UNC / UNF / UN-8				✔		
G / Rc / Rp			✔	✔		
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr						
Einsatzgewinde						
Toleranz	6HX	6H	6H / NORMAL	2B / 6HX / NORMAL	6HX	
Kühlmittelzufuhr	extern	extern	extern	extern	extern	
Anschnittform	C	D	E / F	C / E	C	
Beschichtung / Sorte	NIT	unbeschichtet	unbeschichtet	NID / TICN	TAFT	
Schneidstoff	HSS-E	HSS-E-PM	HSS-E	HSS-E-PM	HSS-E-PM	
P Stahl						
M Nichtrostender Stahl						
K Gusseisen				●●	●●	
N NE-Metalle	●●		●●	●●	●	
S Schwer zerspanbare Werkstoffe	●	●				
H Harte Werkstoffe						
O Andere		●	●	●●		
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	paradur-ap	paradur-ft	kmb-ms	paradur-eco-ci	paradur-xpert-k	

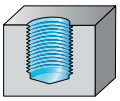




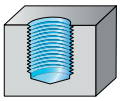
	3 x D_N	3,5 x D_N					
		Selection					
							
	TC115 Perform	TC130 Supreme	Paradur Inox®	Paradur Inox® 40	Paradur® H	Paradur® N	Paradur® Ni
		✔					
		✔					
	✔						
			✔	✔	✔	✔	✔
	2B	6HX	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
	extern	axial	extern	extern	extern	extern	extern
	C	C	C	C	C	C	C
	WY80AA	WY80AA / WY80EH	THL / VAP	unbeschichtet	unbeschichtet	VAP	TICN / unbeschichtet
	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E
	●●	●●	●●	●●		●●	●
	●●		●●	●●			
	●●	●●	●	●	●	●●	
	●	●		●	●●	●●	
							●●
		●			●		
		228					
	TC115	TC130	paradur-inox	paradur-inox-40	paradur-h	paradur-n	paradur-ni

B 4

HSS-E (-PM) Gewindebohrer

Bearbeitung						
Gewindetiefe	**1,5 x D_N**	**1,5 x D_N**	**1,5 x D_N**	**1,5 x D_N**	**1,5 x D_N**	
						
Bezeichnung	**Paradur Inox® 25**	**Paradur® HN**	**Paradur® N**	**Paradur® Ni**	**Paradur® Ni 10**	
Gewindeart						
M	✔		✔	✔	✔	
MF	✔	✔	✔		✔	
UNC / UNF / UN-8			✔	✔		
G / Rc / Rp	✔		✔			
MJ / UNJC / UNJF					✔	
NPT / NPTF						
Pg / BSW / Tr						
Einsatzgewinde				✔		
Toleranz	6HX / NORMAL	6HX	2B / 3B / 6G / 6H /	2B / 3B / 4H / 4HX	3B / 4H / 6HX	
Kühlmittelzufuhr	extern	extern	extern	extern	extern	
Anschnittform	E	E	C	C	C	
Beschichtung / Sorte	TIN	unbeschichtet	TICN / TIN / unbeschichtet	TICN / unbeschichtet	TIN / unbeschichtet	
Schneidstoff	HSS-E	HSS-E	HSS-E	HSS-E-PM	HSS-E-PM	
P Stahl	●●	●●	●●	●●	●●	
M Nichtrostender Stahl	●●					
K Gusseisen		●●	●●	●●		
N NE-Metalle		●●	●●	●	●	
S Schwer zerspanbare Werkstoffe				●●	●●	
H Harte Werkstoffe						
O Andere						
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	paradur-inox-25	paradur-hn	paradur-n	paradur-ni	paradur-ni-10	

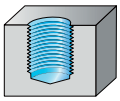


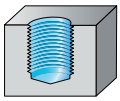


	1,5 x D_N	2 x D_N	2 x D_N	2,5 x D_N	2,5 x D_N	2,5 x D_N	2,5 x D_N
							
	TC122 Supreme	Paradur® Ti	Paradur® Ti Plus	Paradur® H 24	Paradur® STE	Paradur® Synchrospeed	Paradur® X·pert M
	✔	✔	✔	✔	✔	✔	✔
		✔	✔		✔	✔	✔
		✔					✔
					✔	✔	✔
		✔	✔				
		✔					✔
	6HX	2B / 3B / 4H / 6HX	3B / 6HX	6HX	6HX / NORMAL	6HX / NORMAL	2B / 3B / 6GX /
	extern	extern	extern	extern	extern	extern / axial	extern
	C	C	C	C	E	C	C
	WW60BC	TICN / unbeschichtet	ACN	unbeschichtet	THL / unbeschichtet	THL / TIN/VAP	THL / TICN / TIN / VAP
	HSS-E-PM	HSS-E-PM	HSS-E-PM	HSS-E-PM	HSS-E	HSS-E	HSS-E
	●●	●●		●	●	●●	●
					●	●●	●●
	●			●	●	●●	
		●			●	●	
		●●	●●			●	
						●	
	TC122	paradur-ti	paradur-ti-plus	paradur-h-24	paradur-ste	paradur-	paradur-xpert-m

B 4

HSS-E (-PM) Gewindebohrer

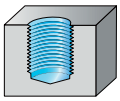
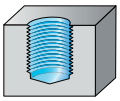
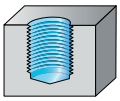
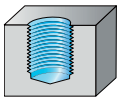
Bearbeitung						
Gewindetiefe	2,5 x D_N	2,5 x D_N	3 x D_N	3 x D_N	3 x D_N	
						
Bezeichnung	**TC121 Supreme**	**TC122 Supreme**	**KMB WST**	**Paradur® Eco CI**	**Paradur® Eco Plus**	
Gewindeart						
M	✔	✔	✔	✔	✔	
MF				✔	✔	
UNC / UNF / UN-8					✔	
G / Rc / Rp					✔	
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr						
Einsatzgewinde						
Toleranz	6HX	6HX	6H	6HX	2B / 6GX / 6HX /	
Kühlmittelzufuhr	extern / axial	axial	extern	axial / axial	extern / axial / axial	
Anschnittform	C	C	C	C / E	C / E	
Beschichtung / Sorte	WW60RG / WY80BD	WW60BC	unbeschichtet	TICN	THL / TIN	
Schneidstoff	HSS-E-PM	HSS-E-PM	HSS-E	HSS-E-PM	HSS-E-PM	
P Stahl	●●	●●	●●		●●	
M Nichtrostender Stahl	●				●●	
K Gusseisen	●	●	●	●●	●●	
N NE-Metalle	●		●	●●	●●	
S Schwer zerspanbare Werkstoffe						
H Harte Werkstoffe						
O Andere				●●		
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	TC121	TC122	kmb-wst	paradur-eco-ci	paradur-eco-plus	

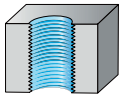


	3 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N	3 x D_N
							
	Paradur® Uni	Paradur® WLM Synchrospeed	Paradur® X·pert N	Paradur® X·pert P	Paradur® X·pert P AZ	TC115 Perform	TC120 Supreme
	✔	✔	✔	✔	✔	✔	✔
	✔		✔	✔		✔	
			✔	✔		✔	
	✔		✔	✔			
				✔			
			✔	✔			
	6G / 6H / NORMAL	6H	2B / 3B / 6G / 6H /	2B / 3B / 4H / 6G /	6H	2B / 6H	6HX
	extern	extern	extern	extern	extern	extern	extern / axial
	C	C	C	C	C	C / E	C
	TIN / VAP / unbeschichtet	CRN / unbeschichtet	unbeschichtet	THL / TIN / unbeschichtet	unbeschichtet	WY80AA / WY80FC	WW60AG
	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E-PM
	●●	●		●●	●●	●●	●●
						●●	
	●					●●	
	●	●●	●●	●	●	●	●
		●●	●				
		●●	●	●	●		
	paradur-uni	paradur-wlm-	paradur-xpert-n	paradur-xpert-p	paradur-xpert-p-az	TC115	TC120

B 4

HSS-E (-PM) Gewindebohrer

Bearbeitung						
Gewindetiefe	**3 x D_N**	**3,5 x D_N**	**3,5 x D_N**	**3,5 x D_N**	**3,5 x D_N**	
					Selection	
						
Bezeichnung	**TC142 Supreme**	**Paradur® HT**	**Paradur® NH**	**Paradur® Short Chip HT**	**TC130 Supreme**	
Gewindeart						
M	✔	✔	✔	✔		
MF	✔	✔		✔		
UNC / UNF / UN-8		✔			✔	
G / Rc / Rp	✔					
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr						
Einsatzgewinde						
Toleranz	6HX / NORMAL	2B / 6H	6H	6HX	2BX	
Kühlmittelzufuhr	extern	axial	axial	axial	axial	
Anschnittform	C	C	C	C	C	
Beschichtung / Sorte	WW60RB / WY80FC	TIN	TIN / unbeschichtet	THL / unbeschichtet	WY80AA	
Schneidstoff	HSS-E / HSS-E-PM	HSS-E	HSS-E	HSS-E	HSS-E	
P Stahl	●	●●	●●	●●	●●	
M Nichtrostender Stahl	●●					
K Gusseisen		●●	●●	●	●●	
N NE-Metalle		●	●	●	●	
S Schwer zerspanbare Werkstoffe						
H Harte Werkstoffe						
O Andere		●	●		●	
Seite im Katalog					232	
QR-Code						
www.walter-tools.com/woc/	TC142	paradur-ht	paradur-nh	paradur-short-	TC130	

	
	1,5 x D_N
	
	Paradur® Combi
	6H
	extern
	C
	unbeschichtet
	HSS-E
	●●
	●
	●
	paradur-combi

Bezeichnungsschlüssel
HSS-E (-PM) Gewindebohrer

Beispiel:

T	C	1	20	–	M10	–	C	1	–	W	W	60	AG
1	2	3	4	5	6		7	8		Sorte			

1	
Werkzeuggruppe	
T	Threading (Gewinden)

2
Generation

3	
Werkzeugart	
1	Grundloch-Gewindebohrer
2	Durchgangsloch-Gewindebohrer

4			
Werkzeugtyp			
15	Universal 45° Drallwinkel 300–1000 N/mm²	**22**	ISO P 15° Drallwinkel 1000–1400 N/mm²
16	Universal geradegenutet, Schälanschnitt 300–800 N/mm²	**30**	ISO P geradegenutet, 700–1400 N/mm²
20	ISO P 45° Drallwinkel 350–800 N/mm²	**42**	ISO M 50° Drallwinkel < 1000 N/mm²
21	ISO P 40° Drallwinkel 800–1250 N/mm²		

5	
1. Trennzeichen	
–	Metrisch

6
Gewindeabmessung

7			
Toleranz / Schafttyp			
C	ISO 2/6H, 6HX, 2B Verstärkter Schaft	**L**	ISO 2/6H, 6HX, 2B Überlaufschaft

8	
Modifikation	
0	Außenkühlung
1	Innenkühlung axial
G	Lange Ausführung

Sorten-Bezeichnungsschlüssel
für Schneidstoffe aus Vollhartmetall und HSS-E (-PM)

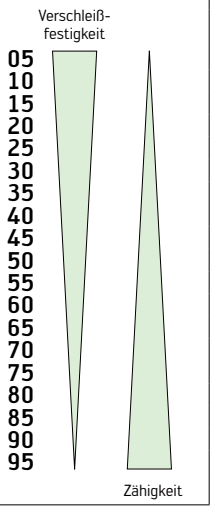
Beispiel:

W	W	60	AG
Walter	1	2	3

1 Substrat

VHM	
HSS-E-PM	W
HSS-E	Y

2 Anwendungsbereich



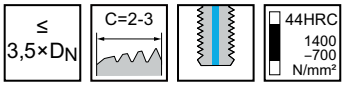
3 Beschichtung

FC	Vaporisiert
AA	TiN
AG	TiNK/vap
BA	TiCN
BD	TiCN
BC	TiCN
EH	AlCrTiN
RG	TiAlN
TU	AlTiSiN

HSS-E Maschinen-Gewindebohrer

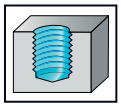
TC130 Supreme mm

– WY80AA: Höchste Leistung
– WY80EH: Exzellente Leistung



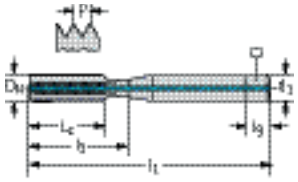
M
DIN 13

6HX



	P	M	K	N	S	H	O
WY80AA TC130-M-C1	●●		●●	●			●
WY80EH TC130-M-C1	●●		●●	●			●

DIN 371



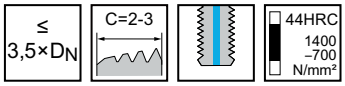
Bezeichnung	D_N	P mm	l_1 mm	L_c mm	l_3 mm	$d_1$null mm	□	l_9 mm	N	WY80AA	WY80EH
★ TC130-M4-C1-	M 4	0,7	63	12	21	4,5	3,4	6	3	●	●
★ TC130-M5-C1-	M 5	0,8	70	13	25	6	4,9	8	3	●	●
★ TC130-M6-C1-	M 6	1	80	15	30	6	4,9	8	3	●	●
★ TC130-M8-C1-	M 8	1,25	90	18	35	8	6,2	9	3	●	●
★ TC130-M10-C1-	M 10	1,5	100	20	39	10	8	11	3	●	●

B 4

HSS-E Maschinen-Gewindebohrer

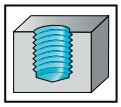
TC130 Supreme mm

– WY80AA: Höchste Leistung
– WY80EH: Exzellente Leistung



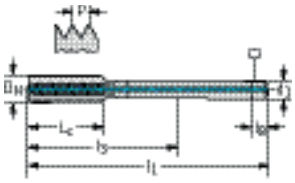
M
DIN 13

6HX



	P	M	K	N	S	H	O
WY80AA TC130-M-L1	●●		●●	●			●
WY80EH TC130-M-L1	●●		●●	●			●

DIN 376

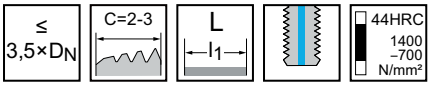


Bezeichnung	D_N	P mm	l_1 mm	L_c mm	l_3 mm	$d_1$null mm	□	l_9 mm	N	WY80AA	WY80EH
★ TC130-M12-L1-	M 12	1,75	110	23	83	9	7	10	3	●	●
★ TC130-M14-L1-	M 14	2	110	25	81	11	9	12	3	●	●
★ TC130-M16-L1-	M 16	2	110	25	68	12	9	12	3	●	●
★ TC130-M20-L1-	M 20	2,5	140	30	95	16	12	15	3	●	●
★ TC130-M22-L1-	M 22	2,5	140	30	93	18	14,5	17	3	●	●
★ TC130-M24-L1-	M 24	3	160	36	113	18	14,5	17	4	●	●
★ TC130-M27-L1-	M 27	3	160	36	97	20	16	19	4	●	●
★ TC130-M30-L1-	M 30	3,5	180	42	115	22	18	21	4	●	●
★ TC130-M36-L1-	M 36	4	200	48	131	28	22	25	5	●	●
★ TC130-M42-L1-	M 42	4,5	200	54	102	32	24	27	5	●	●

HSS-E Maschinen-Gewindebohrer

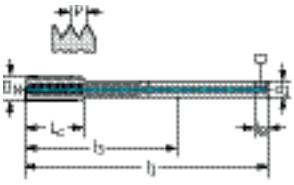
TC130 Supreme mm

– WY80AA: Höchste Leistung
– WY80EH: Exzellente Leistung



	P	M	K	N	S	H	O
WY80AA TC130-M-LG	●●		●●	●			●
WY80EH TC130-M-LG	●●		●●	●			●

~DIN 376 L

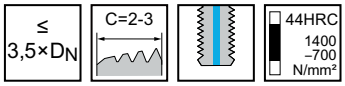


Bezeichnung	D_N	P mm	l_1 mm	L_c mm	l_3 mm	$d_1$null mm	□	l_9 mm	N	WY80AA	WY80EH
★ TC130-M8-LG-	M 8	1,25	110	18	87	6	4,9	8	3	●	●
★ TC130-M10-LG-	M 10	1,5	125	20	102	7	5,5	8	3	●	●
★ TC130-M12-LG-	M 12	1,75	140	23	113	9	7	10	3	●	●
★ TC130-M14-LG-	M 14	2	140	25	111	11	9	12	3	●	●
★ TC130-M16-LG-	M 16	2	160	25	118	12	9	12	3	●	●
★ TC130-M20-LG-	M 20	2,5	180	30	135	16	12	15	3	●	●
★ TC130-M22-LG-	M 22	2,5	200	30	153	18	14,5	17	3	●	●
★ TC130-M24-LG-	M 24	3	200	36	153	18	14,5	17	4	●	●
★ TC130-M27-LG-	M 27	3	225	36	162	20	16	19	4	●	●
★ TC130-M30-LG-	M 30	3,5	250	42	185	22	18	21	4	●	●
★ TC130-M33-LG-	M 33	3,5	275	42	208	25	20	23	4	●	●
★ TC130-M36-LG-	M 36	4	300	48	231	28	22	25	5	●	●
★ TC130-M42-LG-	M 42	4,5	350	54	252	32	24	27	5	●	●

HSS-E Maschinen-Gewindebohrer

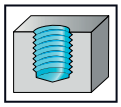
TC130 Supreme mm

– WY80AA: Höchste Leistung
– WY80EH: Exzellente Leistung



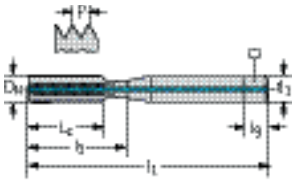
MF
DIN 13

6HX



	P	M	K	N	S	H	O
WY80AA TC130-MF-L1	●●		●●	●			●
WY80EH TC130-MF-L1	●●		●●	●			●

DIN 374



Bezeichnung	D_N	P mm	l_1 mm	L_c mm	l_3 mm	$d_1$null mm	□	l_9 mm	N	WY80AA	WY80EH
★ TC130-M10X1-L1-	MF 10x1	1	90	20	67	7	5,5	8	3	●	●
★ TC130-M12X1.5-L1-	MF 12x1.5	1,5	100	21	73	9	7	10	3	●	●
★ TC130-M14X1.5-L1-	MF 14x1.5	1,5	100	21	71	11	9	12	3	●	●
★ TC130-M16X1.5-L1-	MF 16x1.5	1,5	100	21	58	12	9	12	3	●	●
★ TC130-M18X1.5-L1-	MF 18x1.5	1,5	110	24	66	14	11	14	3	●	●
★ TC130-M20X1.5-L1-	MF 20x1.5	1,5	125	24	80	16	12	15	3	●	●
★ TC130-M22X1.5-L1-	MF 22x1.5	1,5	125	24	78	18	14,5	17	3	●	●
★ TC130-M24X1.5-L1-	MF 24x1.5	1,5	140	26	93	18	14,5	17	4	●	●
★ TC130-M30X2-L1-	MF 30x2	2	150	26	85	22	18	21	4	●	●
★ TC130-M33X2-L1-	MF 33x2	2	160	28	93	25	20	23	4	●	●

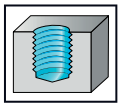
HSS-E Maschinen-Gewindebohrer

TC130 Supreme mm

– WY80AA: Höchste Leistung

UNC
ASME B1.1

2B

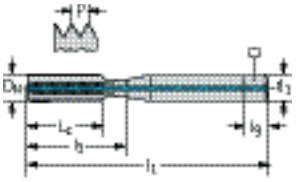


≤ 3,5×D_N | C=2-3 | 44HRC 1400 –700 N/mm²

	P	M	K	N	S	H	O
WY80AA	●●		●●	●			●

DIN 2184-1

Bezeichnung	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	$d_1$null mm	□	l_9 mm	N	WY80AA
★ TC130-UNC1/4-C1-	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3	●
★ TC130-UNC5/16-C1-	UNC 5/16-18	7,938	90	18	35	8	6,2	9	3	●
★ TC130-UNC3/8-C1-	UNC 3/8-16	9,525	100	20	39	10	8	11	3	●



B 4

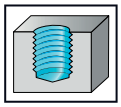
HSS-E Maschinen-Gewindebohrer

TC130 Supreme mm

– WY80AA: Höchste Leistung

UNC
ASME B1.1

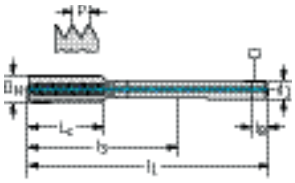
2B



≤ 3,5×D_N | C=2-3 | 44HRC 1400 –700 N/mm²

	P	M	K	N	S	H	O
WY80AA	●●		●●	●			●

DIN 2184-1



Bezeichnung	D_N-P	D_N mm	l_1 mm	L_c mm	l_3 mm	$d_1$null mm	□	l_9 mm	N	WY80AA
★ TC130-UNC1/2-L1-	UNC 1/2-13	12,7	110	23	83	9	7	10	3	●
★ TC130-UNC5/8-L1-	UNC 5/8-11	15,875	110	25	68	12	9	12	3	●
★ TC130-UNC3/4-L1-	UNC 3/4-10	19,05	125	30	81	14	11	14	3	●
★ TC130-UNC1-L1-	UNC 1"-8	25,4	160	36	113	18	14,5	17	4	●

B 4

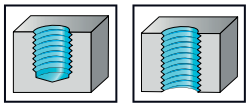
VHM-Maschinen-Gewindebohrer

TC388 Supreme mm

– Gewindebohrer für gehärtete Werkstoffe
– Kernloch am oberen Toleranz-Ende bohren

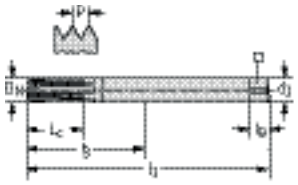
≤ 2×D_N | C=2-3 | 63HRC / 50HRC

M DIN 13 | 6HX



	P	M	K	N	S	H	O
WJ30BA TC388-M-C0					●	●●	
TC388 TC388-M-C0					●	●●	

~DIN 371



Bezeichnung	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	□	l_9 mm	N	WJ30BA
★ TC388-M3-C0-WJ30TU	M 3	0,5	56	8	35	3,5	2,7	6	4	☺
★ TC388-M4-C0-WJ30TU	M 4	0,7	63	11	42	4,5	3,4	6	5	☺
★ TC388-M5-C0-WJ30TU	M 5	0,8	70	13,5	47	6	4,9	8	5	☺
★ TC388-M6-C0-WJ30TU	M 6	1	80	16,5	57	6	4,9	8	5	☺
★ TC388-M8-C0-WJ30TU	M 8	1,25	90	21,5	66	8	6,2	9	5	☺
★ TC388-M10-C0-WJ30TU	M 10	1,5	100	27	72	10	8	11	5	☺
★ TC388-M12-C0-WJ30TU	M 12	1,75	110	32	68	12	9	12	6	☺
★ TC388-M16-C0-WJ30TU	M 16	2	110	41	65	16	12	15	6	☺

Ohne Eindrehung nach dem Gewinde

B 4

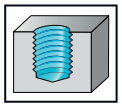
VHM-Maschinen-Gewindebohrer

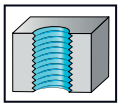
TC389 Supreme mm

– Gewindebohrer für gehärtete Werkstoffe
– Kernloch am oberen Toleranz-Ende bohren

≤ 2×D_N | D=3,5-5 | 65HRC / 55HRC

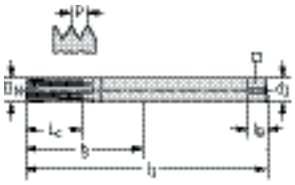
M DIN 13 | 6HX





	P	M	K	N	S	H	O
WE10BA TC389-M-CD					●	●●	
TC389 TC389-M-CD					●	●●	

~DIN 371



Bezeichnung	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	□	l_9 mm	N	WE10BA
★ TC389-M3-CD-WE10TU	M 3	0,5	56	9	35	3,5	2,7	6	4	☺
★ TC389-M4-CD-WE10TU	M 4	0,7	63	12	42	4,5	3,4	6	5	☺
★ TC389-M5-CD-WE10TU	M 5	0,8	70	14,5	47	6	4,9	8	5	☺
★ TC389-M6-CD-WE10TU	M 6	1	80	18	57	6	4,9	8	5	☺
★ TC389-M8-CD-WE10TU	M 8	1,25	90	23,5	66	8	6,2	9	5	☺
★ TC389-M10-CD-WE10TU	M 10	1,5	100	29	72	10	8	11	5	☺
★ TC389-M12-CD-WE10TU	M 12	1,75	110	34,5	68	12	9	12	6	☺
★ TC389-M16-CD-WE10TU	M 16	2	110	44	65	16	12	15	6	☺

Ohne Eindrehung nach dem Gewinde

B 4

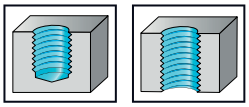
VHM-Maschinen-Gewindebohrer

TC388 Supreme mm

– Gewindebohrer für gehärtete Werkstoffe
– Kernloch am oberen Toleranz-Ende bohren

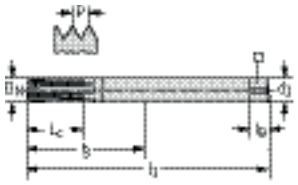
≤ 2×D_N | C=2-3 | 63HRC / 50HRC

G (BSP) DIN EN ISO 228



	P	M	K	N	S	H	O
WJ30BA TC388-G-C0					●	●●	
TC388 TC388-G-C0					●	●●	

~DIN 371

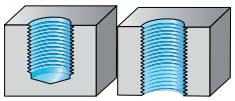


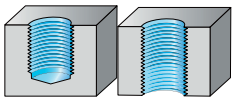
Bezeichnung	D_N-P	D_N mm	Gang pro Zoll	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	□	l_9 mm	N	WJ30BA
★ TC388-G1/8-C0-WJ30TU	G 1/8-28	9,728	28	90	23,5	62	10	8	11	5	☺
★ TC388-G1/4-C0-WJ30TU	G 1/4-19	13,157	19	100	32,5	56	14	11	14	6	☺

Ohne Eindrehung nach dem Gewinde

B 4

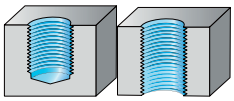
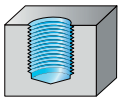
Gewindeformen

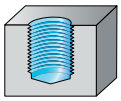
Bearbeitung						
Gewindetiefe	**2 x D_N**	**3 x D_N**	**3 x D_N**	**3 x D_N**	**3 x D_N**	
						
Bezeichnung	**Protodyn® Eco LM**	**Protodyn® C**	**TC410 Advance**	**TC420 Supreme**	**TC430 Supreme**	
Gewindeart						
M	✔	✔	✔	✔	✔	
MF						
UNC / UNF / UN-8						
G / Rc / Rp						
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr						
Einsatzgewinde						
Toleranz	6HX	6GX / 6HX	6GX / 6HX / 7GX	6GX / 6HX	6HX	
Kühlmittelzufuhr	extern	extern	extern	extern	extern	
Anschnittform	C	C	C / D	C	C	
Beschichtung / Sorte	CRN	NID / unbeschichtet	WY80AD	WW60AD / WW60BA	WW60EL	
Schneidstoff	HSS-E	HSS-E	HSS-E	HSS-E-PM	HSS-E-PM	
P Stahl	●	●	●●	●●	●●	
M Nichtrostender Stahl			●●	●	●	
K Gusseisen			●	●	●	
N NE-Metalle	●●		●●	●●	●	
S Schwer zerspanbare Werkstoffe	●●		●	●		
H Harte Werkstoffe						
O Andere						
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	protodyn-eco-lm	protodyn-c	TC410	TC420	TC430	



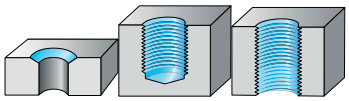
	3 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N	3,5 x D_N
							
	TC470 Supreme	Protodyn® S Synchrospeed	Protodyn® SC	Protodyn® SF	TC410 Advance	TC420 Supreme	TC430 Supreme
	✔	✔	✔	✔	✔	✔	✔
		✔		✔	✔	✔	✔
					✔	✔	
				✔	✔		
	6HX	6HX	6GX / 6HX	6HX / NORMAL	2BX / 6GX / 6HX /	2BX / 6GX / 6HX	6GX / 6HX
	extern	extern / axial	extern	extern	extern	extern / axial	extern / axial
	C	C	C	C	C	C	C
	WG20EL	TICN / TIN	NID / unbeschichtet	TICN	WY80AD	WW60AD / WW60BA	WW60AD / WW60EL
	VHM	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E-PM	HSS-E-PM
	●●	●●	●	●●	●●	●●	●●
		●●		●●	●●	●●	●
	●				●	●	●
	●	●●	●	●●	●●	●●	●
		●		●	●	●	
	TC470	protodyn-s-	protodyn-sc	protodyn-sf	TC410	TC420	TC430

Gewindeformen

Bearbeitung						
Gewindetiefe	**3,5 x D_N**	**3,5 x D_N**	**3,5 x D_N**	**3,5 x D_N**	**3,5 x D_N**	
						
Bezeichnung	**TC440 Supreme**	**TC470 Supreme**	**TC410 Advance**	**TC420 Supreme**	**TC430 Supreme**	
Gewindeart						
M	✔	✔		✔	✔	
MF	✔	✔	✔	✔	✔	
UNC / UNF / UN-8						
G / Rc / Rp						
MJ / UNJC / UNJF						
NPT / NPTF						
Pg / BSW / Tr						
Einsatzgewinde						
Toleranz	6HX	6HX	6GX	6GX / 6HX	6HX	
Kühlmittelzufuhr	extern / axial	extern / axial	extern	extern / axial	axial	
Anschnittform	C	C	E	C / E	C	
Beschichtung / Sorte	WY80AD	WG20EL	WY80AD	WW60AD / WW60BA	WW60AD / WW60EL	
Schneidstoff	HSS-E	VHM	HSS-E	HSS-E-PM	HSS-E-PM	
P Stahl	●	●●	●●	●●	●●	
M Nichtrostender Stahl	●●		●	●●	●	
K Gusseisen		●	●	●	●	
N NE-Metalle	●	●	●●	●●	●	
S Schwer zerspanbare Werkstoffe	●		●	●		
H Harte Werkstoffe						
O Andere						
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	TC440	TC470	TC410	TC420	TC430	

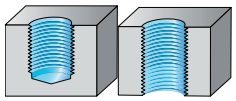
		
	3,5 x D_N	3,5 x D_N
		
	TC440 Supreme	TC470 Supreme
	✔	✔
		✔
	6HX	6HX
	axial	axial
	C	C / E
	WY80AD	WG20EL
	HSS-E	VHM
	●	●●
	●●	
		●
	●	●
	●	
	TC440	TC470

VHM-Bohrgewindefräser

Bearbeitung			
Gewindetiefe	**2 x D_N**	**2,5 x D_N**	
	Selection	Selection	
			
Bezeichnung	**TC685 Supreme**	**TC685 Supreme**	**TMD**
Gewindeart			
M	✔	✔	✔
MF	✔	✔	
UNC / UNF / UN-8	✔	✔	
G / Rc / Rp			
MJ / UNJC / UNJF			
NPT / NPTF			
Pg / BSW / Tr			
Einsatzgewinde			
Toleranz			
Kühlmittelzufuhr	extern / axial	extern / axial	axial
Anschnittform			
Beschichtung / Sorte	WB10RC	WB10RC	NHC / TAX
Schneidstoff	VHM	VHM	VHM
P Stahl	●	●	
M Nichtrostender Stahl			
K Gusseisen	●	●	●●
N NE-Metalle			●●
S Schwer zerspanbare Werkstoffe	●	●	
H Harte Werkstoffe	●●	●●	
O Andere			
Seite im Katalog	**250**	**251**	
QR-Code			
www.walter-tools.com/woc/	TC685	TC685	tmd

B6

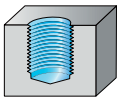
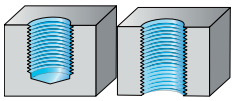
VHM-Gewindefräser mit Senkfase

Bearbeitung	
Gewindetiefe	**2 x D_N**

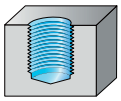
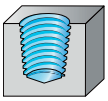
Bezeichnung	TMC
Gewindeart	
M	✔
MF	✔
UNC / UNF / UN-8	
G / Rc / Rp	
MJ / UNJC / UNJF	
NPT / NPTF	
Pg / BSW / Tr	
Einsatzgewinde	
Toleranz	
Kühlmittelzufuhr	extern / axial
Anschnittform	
Beschichtung / Sorte	TICN / unbeschichtet
Schneidstoff	VHM
P Stahl	●●
M Nichtrostender Stahl	●●
K Gusseisen	●●
N NE-Metalle	●●
S Schwer zerspanbare Werkstoffe	●●
H Harte Werkstoffe	
O Andere	●
Seite im Katalog	
QR-Code	
www.walter-tools.com/woc/	tmc

B6

VHM-Gewindefräser ohne Senkfase

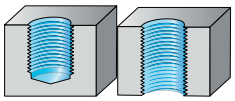
Bearbeitung						
Gewindetiefe	**1,5 x D_N**	**1,5 x D_N**	**1,5 x D_N**	**2 x D_N**	**2 x D_N**	
	Selection			Selection	NEW	
						
Bezeichnung	**TC610 Supreme**	**TMG HRC**	**TMG Ni**	**TC611 Supreme**	**TC620 Supreme**	
Gewindeart						
M	✔	✔		✔	✔	
MF	✔	✔		✔	✔	
UNC / UNF / UN-8	✔			✔	✔	
G / Rc / Rp						
MJ / UNJC / UNJF			✔			
NPT / NPTF						
Pg / BSW / Tr						
Einsatzgewinde						
Toleranz						
Kühlmittelzufuhr	extern / axial	extern	extern / axial	extern / axial	axial	
Anschnittform						
Beschichtung / Sorte	WB10RD / WJ30RC	TAX	TICN	WB10RD / WJ30RC	WB10TJ	
Schneidstoff	VHM	VHM	VHM	VHM	VHM	
P Stahl	●●	●●	●●	●●	●●	
M Nichtrostender Stahl	●●		●●	●●	●●	
K Gusseisen	●●	●●		●●	●●	
N NE-Metalle	●●		●	●●	●●	
S Schwer zerspanbare Werkstoffe	●●	●	●●	●●	●●	
H Harte Werkstoffe		●●				
O Andere	●	●	●	●	●	
Seite im Katalog	**280**			**258**	**256**	
QR-Code						
www.walter-tools.com/woc/	TC610	tmg-hrc	tmg-ni	TC611	TC620	

B6

			
	2 x D_N	2,5 x D_N	
		NEW	
			
	TME	TC620 Supreme	TMG
	✔	✔	
	✔	✔	
		✔	
			✔
	extern	axial	extern
	TICN	WB10TJ	TICN
	VHM	VHM	VHM
	●●	●●	●●
	●●	●●	●●
	●●	●●	●●
	●●	●●	●●
	●●	●●	●●
	●	●	●
		260	
	tme	TC620	tmg

B6

VHM-Orbitalgewindefräser

Bearbeitung					
Gewindetiefe	**2 x D_N**	**2 x D_N**	**2,5 x D_N**	**3 x D_N**	**4 x D_N**
	Selection		Selection	Selection	Selection
					
Bezeichnung	**TC630 Supreme**	**TMO HRC**	**TC630 Supreme**	**TC630 Supreme**	**TC630 Supreme**
Gewindeart					
M	✔	✔	✔	✔	✔
MF	✔	✔	✔	✔	✔
UNC / UNF / UN-8	✔			✔	
G / Rc / Rp					
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Einsatzgewinde					
Toleranz					
Kühlmittelzufuhr	extern / axial	extern	extern	extern / axial	axial
Anschnittform					
Beschichtung / Sorte	WB10RA / WB10TJ	TAX	WB10TJ	WB10TJ	WB10TJ
Schneidstoff	VHM	VHM	VHM	VHM	VHM
P Stahl	●●	●●	●●	●●	●●
M Nichtrostender Stahl	●●		●●	●●	●●
K Gusseisen	●●	●●	●●	●●	●●
N NE-Metalle	●●		●●	●●	●●
S Schwer zerspanbare Werkstoffe	●●	●	●●	●●	●●
H Harte Werkstoffe		●●			
O Andere	●	●	●	●	●
Seite im Katalog	282		288	284	287
QR-Code					
www.walter-tools.com/woc/	TC630	tmo-hrc	TC630	TC630	TC630

Bezeichnungsschlüssel VHM-Gewindefräser

Beispiel:

T	C	6	20	–	M10	–	W	5	E	–	W	B	10	TJ
1	2	3	4	5	6		7	8	9		Sorte			

1 Werkzeuggruppe	
T	Threading (Gewinden)

2 Generation	

3 Werkzeugart	
6	VHM-Gewindefräser

4 Werkzeugtyp			
10	Universal, 1,5 × D_N	85	ISO H, Orbitaler Bohrgewindefräser
11	Universal, 2,0 × D_N		
20	Universal, mehrreihig		
30	Universal, Orbital-Gewindefräser		

5 1. Trennzeichen	
–	Metrisch

6 Gewindeabmessung	

7 Schafttyp	
A	Zylinderschaft
W	Weldonschaft

8 Kühlung / Geometrie	
0	Außenkühlung
1	Innenkühlung, axial
5	Walter DeVibe, Innenkühlung axial

9 Gewindetiefe / Nutzbare Länge	
D	2,0 × D_N
E	2,5 × D_N
F	3,0 × D_N
H	4,0 × D_N

Sorten-Bezeichnungsschlüssel für Schneidstoffe aus Vollhartmetall und HSS

Beispiel:

W	B	10	TJ
Walter	1	2	3

1 Substrat	
VHM	B
	J
HSS	

2 Anwendungsbereich
Verschleißfestigkeit: 05 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95
Zähigkeit

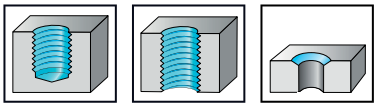
3 Beschichtung	
RA	TiAlN + TiAl
RC	TiAlN
RD	TiAlN (+ ZrN)
TJ	AlTiN

B6

Orbital-Bohrgewindefräser
TC685 Supreme

– Orbitaler Bohrgewindefräser für gehärtete Werkstoffe
– Fase, Kernloch und Gewinde in einem Arbeitsgang

M-MF
DIN 13

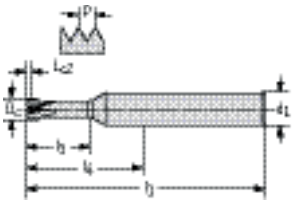


≤ 2×D_N | L-rot. | -15° | 65HRC – 44HRC

	P	M	K	N	S	H	O
WB10RC	●		●		●	●●	

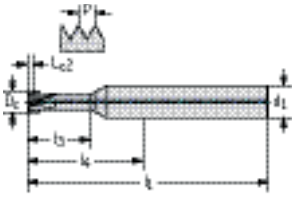
Werkzeug

Bezeichnung	P mm	D_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10RC
TC685-M3-A0D-	0,5	2,35	6	50	14	6	4	
TC685-M4-A0D-	0,7	3,1	8	50	14	6	4	
TC685-M5-A0D-	0,8	3,9	10	57	21	6	4	



DIN 6535 HA

TC685-M6-A1D-	1	4,6	12	57	21	6	4	
TC685-M8-A1D-	1,25	6,2	16	63	27	8	4	
TC685-M10-A1D-	1,5	7,8	20	63	27	8	4	
TC685-M12-A1D-	1,75	9	24	72	32	10	4	
TC685-M14-A1D-	2	10,5	28	83	38	12	4	
TC685-M16-A1D-	2	12,5	32	92	44	16	4	



DIN 6535 HA

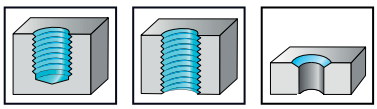
Maximaler Gewinde-Nenndurchmesser für Feingewinde: Dc × 1,94
Beispiel: TC685-M8.. / 6,2 mm × 1,94 = 12,03 mm / MF 12×1.25 möglich

B6

Orbital-Bohrgewindefräser
TC685 Supreme

– Orbitaler Bohrgewindefräser für gehärtete Werkstoffe
– Fase, Kernloch und Gewinde in einem Arbeitsgang

M-MF
DIN 13

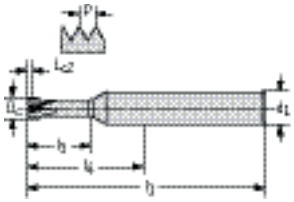


≤ 2,5×D_N | L-rot. | -15° | 65HRC – 44HRC

	P	M	K	N	S	H	O
WB10RC	●		●		●	●●	

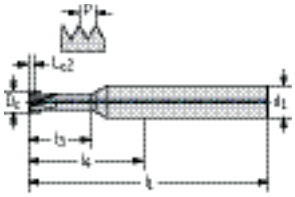
Werkzeug

Bezeichnung	P mm	D_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10RC
TC685-M3-A0E-	0,5	2,35	7,5	50	14	6	4	
TC685-M4-A0E-	0,7	3,1	10	57	21	6	4	
TC685-M5-A0E-	0,8	3,9	12,5	57	21	6	4	



DIN 6535 HA

Bezeichnung	P mm	D_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10RC
TC685-M6-A1E-	1	4,6	15	57	21	6	4	
TC685-M8-A1E-	1,25	6,2	20	63	27	8	4	
TC685-M10-A1E-	1,5	7,8	25	63	27	8	4	
TC685-M12-A1E-	1,75	9	30	72	32	10	4	
TC685-M14-A1E-	2	10,5	35	83	38	12	4	
TC685-M16-A1E-	2	12,5	40	92	44	16	4	



DIN 6535 HA

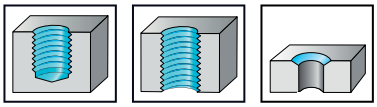
Maximaler Gewinde-Nenndurchmesser für Feingewinde: Dc × 1,94
Beispiel: TC685-M8.. / 6,2 mm × 1,94 = 12,03 mm / MF 12×1.25 möglich

B6

Orbital-Bohrgewindefräser
TC685 Supreme

– Orbitaler Bohrgewindefräser für gehärtete Werkstoffe
– Fase, Kernloch und Gewinde in einem Arbeitsgang

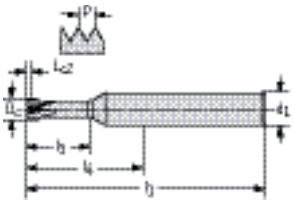
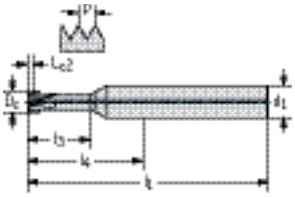
UNC
ASME B1.1



≤ 2×D_N | L-rot. | -15° | 65HRC – 44HRC

	P	M	K	N	S	H	O
WB10RC	●		●		●	●●	

Werkzeug

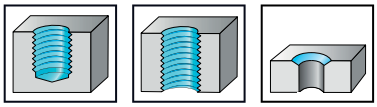
Bezeichnung	Gang pro Zoll	D_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10RC
 TC685-UNC10-A0D-	24	3,55	9,652	57	21	6	4	●
DIN 6535 HA								
 TC685-UNC1/4-A1D-	20	4,75	12,7	57	21	6	4	●
TC685-UNC5/16-A1D-	18	6,05	15,875	63	27	8	4	●
TC685-UNC3/8-A1D-	16	7,3	19,05	63	27	8	4	●
TC685-UNC1/2-A1D-	13	9,3	25,4	72	32	10	4	●
TC685-UNC5/8-A1D-	11	11,6	31,75	83	38	12	4	●
TC685-UNC3/4-A1D-	10	13,9	38,1	93	45	16	4	●
DIN 6535 HA								

B6

Orbital-Bohrgewindefräser
TC685 Supreme

– Orbitaler Bohrgewindefräser für gehärtete Werkstoffe
– Fase, Kernloch und Gewinde in einem Arbeitsgang

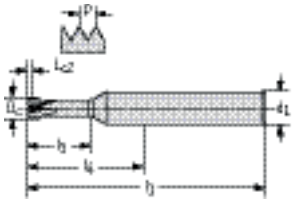
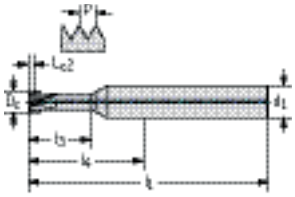
UNC
ASME B1.1



≤ 2,5×D_N | L-rot. | -15° | 65HRC / 44HRC

	P	M	K	N	S	H	O
WB10RC	●		●		●	●●	

Werkzeug

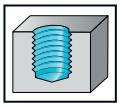
Bezeichnung	Gang pro Zoll	D_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10RC
 TC685-UNC10-A0E-	24	3,55	12,065	57	21	6	4	●
DIN 6535 HA								
 TC685-UNC1/4-A1E-	20	4,75	15,875	57	21	6	4	●
TC685-UNC5/16-A1E-	18	6,05	19,844	63	27	8	4	●
TC685-UNC3/8-A1E-	16	7,3	23,813	63	27	8	4	●
TC685-UNC1/2-A1E-	13	9,3	31,75	78	38	10	4	●
TC685-UNC5/8-A1E-	11	11,6	39,688	100	55	12	4	●
TC685-UNC3/4-A1E-	10	13,9	47,625	116	68	16	4	●
DIN 6535 HA								

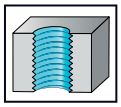
B6

VHM-Gewindefräser
TC610 Supreme

– Universeller Gewindefräser

M-MF
DIN 13



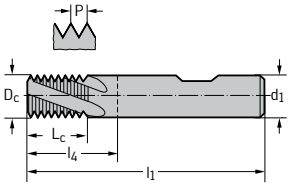


≤ 1,5×D_N

48HRC

	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug

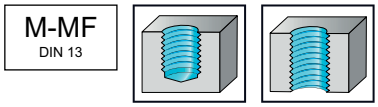


DIN 6535 HB

Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC610-M6-W0-	M 6	1	4,5	9	57	21	6	4	●
TC610-M8-W0-	M 8	1,25	6	12,5	57	21	6	4	●
TC610-M10-W0-	M 10	1,5	7,5	15	63	27	8	4	●
TC610-M12-W0-	M 12	1,75	9,5	19,3	72	32	10	4	●
TC610-M14-W0-	M 14	2	10	22	72	32	10	4	●
TC610-M16-W0-	M 16	2	12	24	83	38	12	5	●
TC610-M20-W0-	M 20	2,5	16	30	92	44	16	6	●
TC610-M24-W0-	M 24	3	19	36	104	54	20	6	●

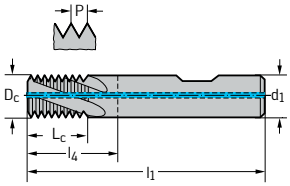
VHM-Gewindefräser
TC610 Supreme

– Universeller Gewindefräser



	P	M	K	N	S	H	O
WB10RD TC610-M-W1	●●	●●	●●	●●	●●		●
WJ30RC TC610-M-W1	●●	●●	●●	●●	●●		●

Werkzeug



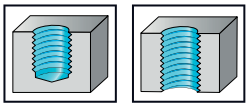
DIN 6535 HB

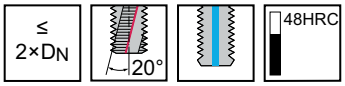
Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WB10RD	WJ30RC
TC610-M6-W1-	M 6	1	4,5	9	57	21	6	4	☺	☺
TC610-M8-W1-	M 8	1,25	6	12,5	57	21	6	4	☺	☺
TC610-M10-W1-	M 10	1,5	7,5	15	63	27	8	4	☺	☺
TC610-M12-W1-	M 12	1,75	9,5	19,3	72	32	10	4	☺	☺
TC610-M14-W1-	M 14	2	10	22	72	32	10	4	😐	☺
TC610-M16-W1-	M 16	2	12	24	83	38	12	5	☺	☺
TC610-M20-W1-	M 20	2,5	16	30	92	44	16	6	😐	☺
TC610-M24-W1-	M 24	3	19	36	104	54	20	6	😐	☺

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

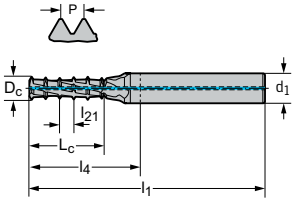
M-MF
DIN 13





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

Werkzeug



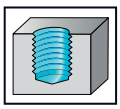
DIN 6535 HA

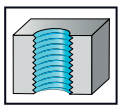
Bezeichnung	D_N	P mm	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
TC620-M4-A1D-	M 4	0,7	3,1	1,4	8,4	21	57	6	3	●
TC620-M5-A1D-	M 5	0,8	3,9	1,6	10,4	21	57	6	3	●
TC620-M6-A1D-	M 6	1	4,7	2	12	21	57	6	4	●
TC620-M8-A1D-	M 8	1,25	6,3	2,5	16,3	27	63	8	4	●
TC620-M10-A1D-	M 10	1,5	7,9	3	21	27	63	8	4	●
TC620-M12-A1D-	M 12	1,75	9,6	3,5	24,5	32	72	10	4	●
TC620-M14-A1D-	M 14	2	11,2	4	28	38	83	12	4	●
TC620-M16-A1D-	M 16	2	13,1	4	32	44	92	16	5	●
TC620-M20-A1D-	M 20	2,5	16,4	5	40	58	106	18	5	●

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

M-MF
DIN 13

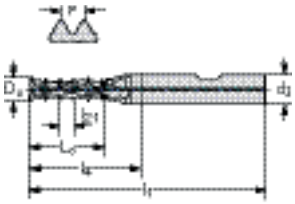




≤ 2×D_N | 48HRC | DeVibe

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

Werkzeug



DIN 6535 HB

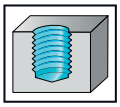
Bezeichnung	D_N	P mm	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
★ TC620-M8-W5D-	M 8	1,25	6,3	2,5	16,3	27	63	8	4	
★ TC620-M10-W5D-	M 10	1,5	7,9	3	21	32	68	8	4	
★ TC620-M12-W5D-	M 12	1,75	9,6	3,5	24,5	38	78	10	4	
★ TC620-M14-W5D-	M 14	2	11,2	4	28	45	90	12	4	
★ TC620-M16-W5D-	M 16	2	13,1	4	32	44	92	16	5	
★ TC620-M18-W5D-	M 18	2,5	14,5	5	37,5	52	100	16	5	
★ TC620-M20-W5D-	M 20	2,5	16,4	5	40	57	105	18	5	

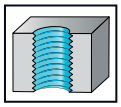
B6

VHM-Gewindefräser
TC611 Supreme

– Universeller Gewindefräser

M-MF
DIN 13



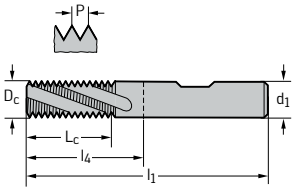


≤ 2×D_N

48HRC

	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug



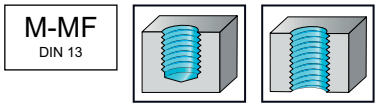
DIN 6535 HB

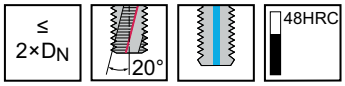
Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC611-M6-W0-	M 6	1	4,5	12	57	21	6	4	●
TC611-M8-W0-	M 8	1,25	6	16,3	57	21	6	4	●
TC611-M10-W0-	M 10	1,5	7,5	21	63	27	8	4	●
TC611-M12-W0-	M 12	1,75	9,5	24,5	72	32	10	4	●
TC611-M14-W0-	M 14	2	10	28	80	40	10	4	●
TC611-M16-W0-	M 16	2	12	32	89	44	12	5	●
TC611-M20-W0-	M 20	2,5	16	40	105	57	16	6	●
TC611-M24-W0-	M 24	3	19	48	118	68	20	6	●

B6

VHM-Gewindefräser
TC611 Supreme

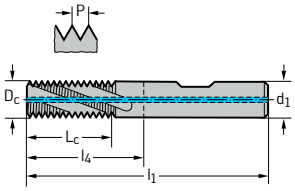
– Universeller Gewindefräser





	P	M	K	N	S	H	O
WB10RD TC611-M-W1	●●	●●	●●	●●	●●		●
WJ30RC TC611-M-W1	●●	●●	●●	●●	●●		●

Werkzeug



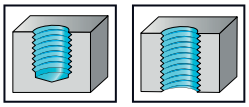
DIN 6535 HB

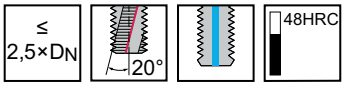
Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WB10RD	WJ30RC
TC611-M6-W1-	M 6	1	4,5	12	57	21	6	4	☺	☺
TC611-M8-W1-	M 8	1,25	6	16,3	57	21	6	4	☺	☺
TC611-M10-W1-	M 10	1,5	7,5	21	63	27	8	4	☺	☺
TC611-M12-W1-	M 12	1,75	9,5	24,5	72	32	10	4	☺	☺
TC611-M14-W1-	M 14	2	10	28	80	40	10	4	😐	☺
TC611-M16-W1-	M 16	2	12	32	89	44	12	5	☺	☺
TC611-M20-W1-	M 20	2,5	16	40	105	57	16	6	☺	☺
TC611-M24-W1-	M 24	3	19	48	118	68	20	6	☺	☺

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

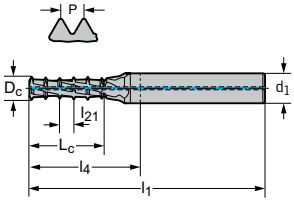
M-MF
DIN 13





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

Werkzeug



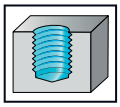
DIN 6535 HA

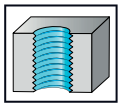
Bezeichnung	D_N	P mm	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
TC620-M4-A1E-	M 4	0,7	3,1	2,1	10,5	21	57	6	3	●
TC620-M5-A1E-	M 5	0,8	3,9	2,4	12,8	21	57	6	3	●
TC620-M6-A1E-	M 6	1	4,7	3	15	21	57	6	4	●
TC620-M8-A1E-	M 8	1,25	6,3	3,75	20	27	63	8	4	●
TC620-M10-A1E-	M 10	1,5	7,9	4,5	27	36	72	8	4	●
TC620-M12-A1E-	M 12	1,75	9,6	5,25	31,5	43	83	10	4	●
TC620-M14-A1E-	M 14	2	11,2	6	36	55	100	12	4	●
TC620-M16-A1E-	M 16	2	13,1	6	42	58	106	16	5	●
TC620-M20-A1E-	M 20	2,5	16,4	7,5	52,5	68	116	18	5	●

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

M-MF
DIN 13

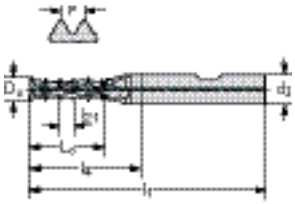




≤ 2,5×D_N | 48HRC | DeVibe

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

Werkzeug



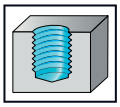
DIN 6535 HB

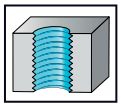
Bezeichnung	D_N	P mm	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
★ TC620-M8-W5E-	M 8	1,25	6,3	3,75	20	32	68	8	4	
★ TC620-M10-W5E-	M 10	1,5	7,9	4,5	27	39	75	8	4	
★ TC620-M12-W5E-	M 12	1,75	9,6	5,25	31,5	45	85	10	4	
★ TC620-M14-W5E-	M 14	2	11,2	6	36	55	100	12	4	
★ TC620-M16-W5E-	M 16	2	13,1	6	42	58	106	16	5	
★ TC620-M18-W5E-	M 18	2,5	14,5	7,5	45	60	108	16	5	
★ TC620-M20-W5E-	M 20	2,5	16,4	7,5	52,5	67	115	18	5	

VHM-Gewindefräser
TC610 Supreme

– Universeller Gewindefräser

M-MF
DIN 13



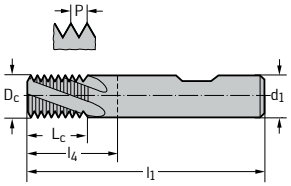


≤ 1,5×D_N

48HRC

	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug

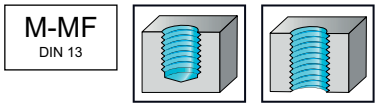


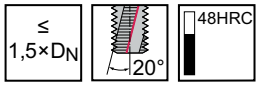
DIN 6535 HB

Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC610-M6X0.5-W0-	MF 6X0,5	0,5	4,8	9	57	21	6	5	●
TC610-M8X0.75-W0-	MF 8X0.75	0,75	6	12	57	21	6	5	●
TC610-M8X1-W0-	MF 8X1	1	6	12	57	21	6	4	●
TC610-M10X0.5-W0-	MF 10X0.5	0,5	8	15	63	27	8	7	●
TC610-M10X1-W0-	MF 10X1	1	8	15	63	27	8	5	●
TC610-M12X1-W0-	MF 12X1	1	10	18	72	32	10	6	●
TC610-M12X1.25-W0-	MF 12X1.25	1,25	10	18,8	72	32	10	6	●
TC610-M12X1.5-W0-	MF 12X1.5	1,5	10	18	72	32	10	5	●
TC610-M14X1-W0-	MF 14X1	1	12	21	83	38	12	7	●
TC610-M14X1.5-W0-	MF 14X1.5	1,5	12	21	83	38	12	6	●
TC610-M16X1-W0-	MF 16X1	1	14	24	83	38	14	7	●
TC610-M16X1.5-W0-	MF 16X1.5	1,5	14	24	83	38	14	6	●
TC610-M18X1-W0-	MF 18X1	1	16	27	92	44	16	8	●
TC610-M18X1.5-W0-	MF 18X1.5	1,5	16	27	92	44	16	7	●
TC610-M20X2-W0-	MF 20X2	2	16	30	92	44	16	6	●
TC610-M24X2-W0-	MF 24X2	2	20	36	104	54	20	7	●

VHM-Gewindefräser
TC610 Supreme

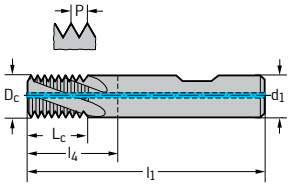
– Universeller Gewindefräser





	P	M	K	N	S	H	O
WJ30RC TC610-MF-W1	●●	●●	●●	●●	●●		●
WB10RD TC610-MF-W1	●●	●●	●●	●●	●●		●

Werkzeug



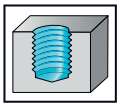
DIN 6535 HB

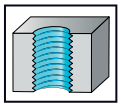
Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC	WB10RD
TC610-M6X0.5-W1-	MF 6X0,5	0,5	4,8	9	57	21	6	5	☺	☺
TC610-M8X0.75-W1-	MF 8X0.75	0,75	6	12	57	21	6	5	☺	☺
TC610-M8X1-W1-	MF 8X1	1	6	12	57	21	6	4	☺	☺
TC610-M10X0.5-W1-	MF 10X0.5	0,5	8	15	63	27	8	7	☺	☺
TC610-M10X1-W1-	MF 10X1	1	8	15	63	27	8	5	☺	☺
TC610-M12X1-W1-	MF 12X1	1	10	18	72	32	10	6	☺	☺
TC610-M12X1.25-W1-	MF 12X1.25	1,25	10	18,8	72	32	10	6	☺	☺
TC610-M12X1.5-W1-	MF 12X1.5	1,5	10	18	72	32	10	5	☺	☺
TC610-M14X1-W1-	MF 14X1	1	12	21	83	38	12	7	☺	☺
TC610-M14X1.5-W1-	MF 14X1.5	1,5	12	21	83	38	12	6	☺	☺
TC610-M16X1-W1-	MF 16X1	1	14	24	83	38	14	7	☺	☺
TC610-M16X1.5-W1-	MF 16X1.5	1,5	14	24	83	38	14	6	☺	☺
TC610-M18X1-W1-	MF 18X1	1	16	27	92	44	16	8	☺	☺
TC610-M18X1.5-W1-	MF 18X1.5	1,5	16	27	92	44	16	7	☺	☺
TC610-M20X2-W1-	MF 20X2	2	16	30	92	44	16	6	☺	☺
TC610-M24X2-W1-	MF 24X2	2	20	36	104	54	20	7	☺	☺
TC610-M28X2-W1-	MF 28X2	2	25	42	121	65	25	8	☺	☺

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

MF
DIN 13



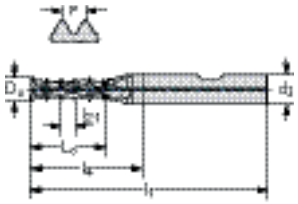


≤ 2×D_N

48HRC

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

Werkzeug



DIN 6535 HB

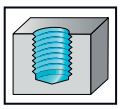
Bezeichnung	D_N	P mm	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
★ TC620-M4X0.5-W1D-	MF 4X0.5	0,5	3,2	1	8	21	57	6	4	●
★ TC620-M6X0.75-W1D-	MF 6X0.75	0,75	4,9	1,5	12	21	57	6	4	●

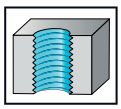
B6

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

MF
DIN 13





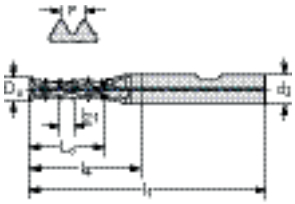
≤ 2×D_N

48HRC

DeVibe

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

Werkzeug



DIN 6535 HB

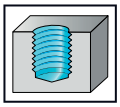
Bezeichnung	D_N	P mm	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
★ TC620-M8X1-W5D-	MF 8X1	1	6,5	2	16	27	63	8	4	
★ TC620-M10X1.25W5D-	M10X1.25	1,25	8,2	2,5	20	32	72	10	5	
★ TC620-M10X1-W5D-	MF 10X1	1	8,4	2	20	32	72	10	5	
★ TC620-M12X1.5-W5D-	MF 12X1.5	1,5	9,8	3	24	38	78	10	5	
★ TC620-M12X1.25W5D-	MF 12X1.25	1,25	10	2,5	25	38	78	10	5	
★ TC620-M12X1-W5D-	MF 12X1	1	10,3	2	24	38	83	12	6	
★ TC620-M14X1.5-W5D-	MF 14X1.5	1,5	11,7	3	28,5	44	89	12	5	
★ TC620-M16X1.5-W5D-	MF 16X1.5	1,5	13,6	3	33	44	92	16	6	
★ TC620-M18X1.5-W5D-	MF 18X1.5	1,5	15,5	3	36	52	100	16	6	
★ TC620-M20X1.5-W5D-	MF 20X1.5	1,5	17,3	3	40,5	57	105	18	7	

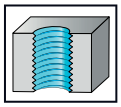
B6

VHM-Gewindefräser
TC610 Supreme

– Universeller Gewindefräser

UNC
ASME B1.1



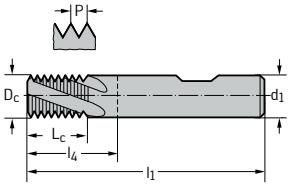


≤ 1,5×D_N

48HRC

	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug



DIN 6535 HB

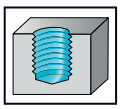
Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC610-UNC1/4-W0-	20	UNC 1/4-20	4,8	10,2	57	21	6	3	●
TC610-UNC5/16-W0-	18	UNC 5/16-18	5,5	12,7	57	21	6	4	●
TC610-UNC3/8-W0-	16	UNC 3/8-16	7,5	14,3	63	27	8	4	●
TC610-UNC7/16-W0-	14	UNC 7/16-14	8	18,1	63	27	8	4	●
TC610-UNC1/2-W0-	13	UNC 1/2-13	10	19,5	72	32	10	4	●
TC610-UNC9/16-W0-	12	UNC 9/16-12	10	19,5	72	32	10	4	●
TC610-UNC5/8-W0-	11	UNC 5/8-11	12	25,4	83	38	12	5	●
TC610-UNC3/4-W0-	10	UNC 3/4-10	14	30,5	90	45	14	5	●
TC610-UNC7/8-W0-	9	UNC 7/8-9	16	33,9	98	50	16	5	●
TC610-UNC1-W0-	8	UNC 1"-8	18	38,1	104	54	20	5	●

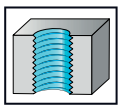
B6

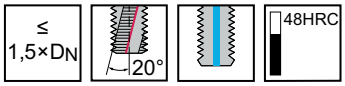
VHM-Gewindefräser
TC610 Supreme

– Universeller Gewindefräser

UNC
ASME B1.1

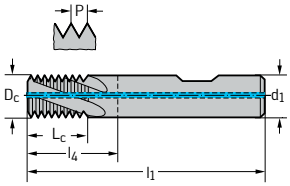






	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug



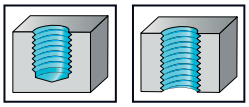
DIN 6535 HB

Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC610-UNC1/4-W1-	20	UNC 1/4-20	4,8	10,2	57	21	6	3	●
TC610-UNC5/16-W1-	18	UNC 5/16-18	5,5	12,7	57	21	6	4	●
TC610-UNC3/8-W1-	16	UNC 3/8-16	7,5	14,3	63	27	8	4	●
TC610-UNC7/16-W1-	14	UNC 7/16-14	8	18,1	63	27	8	4	●
TC610-UNC1/2-W1-	13	UNC 1/2-13	10	19,5	72	32	10	4	●
TC610-UNC9/16-W1-	12	UNC 9/16-12	10	19,5	72	32	10	4	●
TC610-UNC5/8-W1-	11	UNC 5/8-11	12	25,4	83	38	12	5	●
TC610-UNC3/4-W1-	10	UNC 3/4-10	14	30,5	90	45	14	5	●
TC610-UNC7/8-W1-	9	UNC 7/8-9	16	33,9	98	50	16	5	●
TC610-UNC1-W1-	8	UNC 1"-8	18	38,1	104	54	20	5	●

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

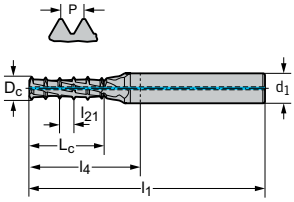
UNC
ASME B1.1



≤ 2×D_N | 20° | 48HRC

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

Werkzeug



DIN 6535 HA

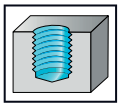
Bezeichnung	D_N	P	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
TC620-UNC8-A1D-	UNC #8-32	32	3,1	1,59	8,7	21	57	6	3	●
TC620-UNC10-A1D-	UNC #10-24	24	3,5	2,12	10,6	21	57	6	3	●
TC620-UNC1/4-A1D-	UNC 1/4-20	20	4,7	2,54	12,7	21	57	6	3	●
TC620-UNC5/16-A1D-	UNC 5/16-18	18	6,1	2,82	16,9	27	63	8	4	●
TC620-UNC3/8-A1D-	UNC 3/8-16	16	7,4	3,18	19,1	27	63	8	4	●
TC620-UNC1/2-A1D-	UNC 1/2-13	13	10,1	3,91	25,4	38	83	12	4	●
TC620-UNC5/8-A1D-	UNC 5/8-11	11	12,7	4,62	32,3	44	92	16	4	●
TC620-UNC3/4-A1D-	UNC 3/4-10	10	15,5	5,08	38,1	56	104	16	5	●
TC620-UNC7/8-A1D-	UNC 7/8-9	9	18	5,64	45,2	67	115	18	5	●

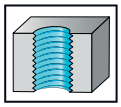
B6

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

UNC
ASME B1.1

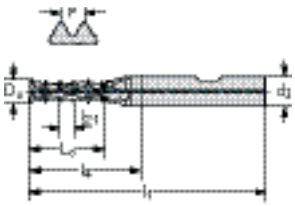




≤ 2×D_N

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

Werkzeug



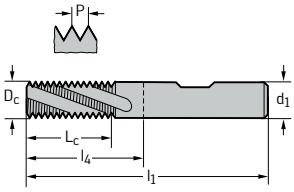
DIN 6535 HB

Bezeichnung	D_N	P	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
★ TC620-UNC5/16-W5D-	UNC 5/16-18	18	6,1	2,82	16,9	27	63	8	4	●
★ TC620-UNC3/8-W5D-	UNC 3/8-16	16	7,4	3,18	19,1	32	68	8	4	●
★ TC620-UNC1/2-W5D-	UNC 1/2-13	13	10,1	3,91	25,4	38	83	12	4	●
★ TC620-UNC5/8-W5D-	UNC 5/8-11	11	12,7	4,62	32,3	52	100	16	4	●
★ TC620-UNC3/4-W5D-	UNC 3/4-10	10	15,5	5,08	38,1	52	100	16	5	●

B6

VHM-Gewindefräser
TC611 Supreme

– Universeller Gewindefräser



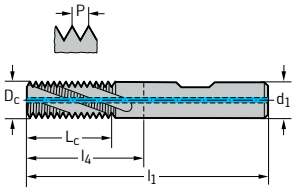
DIN 6535 HB

Werkzeug Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC611-UNC1/4-W0-	20	UNC 1/4-20	4,8	12,7	57	21	6	3	●
TC611-UNC5/16-W0-	18	UNC 5/16-18	5,5	16,9	57	21	6	4	●
TC611-UNC3/8-W0-	16	UNC 3/8-16	7,5	19,1	63	27	8	4	●
TC611-UNC7/16-W0-	14	UNC 7/16-14	8	23,6	68	32	8	4	●
TC611-UNC1/2-W0-	13	UNC 1/2-13	10	25,4	76	36	10	4	●
TC611-UNC9/16-W0-	12	UNC 9/16-12	10	29,6	80	40	10	4	●
TC611-UNC5/8-W0-	11	UNC 5/8-11	12	32,3	90	45	12	5	●
TC611-UNC3/4-W0-	10	UNC 3/4-10	14	38,1	98	53	14	5	●
TC611-UNC7/8-W0-	9	UNC 7/8-9	16	45,2	108	60	16	5	●
TC611-UNC1-W0-	8	UNC 1"-8	18	50,8	116	68	20	5	●

VHM-Gewindefräser
TC611 Supreme

– Universeller Gewindefräser

Werkzeug



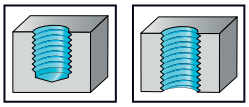
DIN 6535 HB

Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC611-UNC1/4-W1-	20	UNC 1/4-20	4,8	12,7	57	21	6	3	●
TC611-UNC5/16-W1-	18	UNC 5/16-18	5,5	16,9	57	21	6	4	●
TC611-UNC3/8-W1-	16	UNC 3/8-16	7,5	19,1	63	27	8	4	●
TC611-UNC7/16-W1-	14	UNC 7/16-14	8	23,6	68	32	8	4	●
TC611-UNC1/2-W1-	13	UNC 1/2-13	10	25,4	76	36	10	4	●
TC611-UNC9/16-W1-	12	UNC 9/16-12	10	29,6	80	40	10	4	●
TC611-UNC5/8-W1-	11	UNC 5/8-11	12	32,3	90	45	12	5	●
TC611-UNC3/4-W1-	10	UNC 3/4-10	14	38,1	98	53	14	5	●
TC611-UNC7/8-W1-	9	UNC 7/8-9	16	45,2	108	60	16	5	●
TC611-UNC1-W1-	8	UNC 1"-8	18	50,8	116	68	20	5	●

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

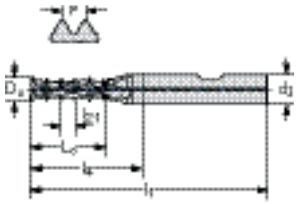
UNC
ASME B1.1



≤ 2,5×D_N | 20° | 48HRC

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

Werkzeug



DIN 6535 HB

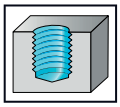
Bezeichnung	D_N	P	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
★ TC620-UNC8-W1E-	UNC #8-32	32	3,1	2,38	10,3	21	57	6	3	●
★ TC620-UNC10-W1E-	UNC #10-24	24	3,5	3,18	12,7	21	57	6	3	●
★ TC620-UNC1/4-W1E-	UNC 1/4-20	20	4,7	3,81	16,5	29	65	6	3	●

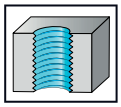
B6

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

UNC
ASME B1.1

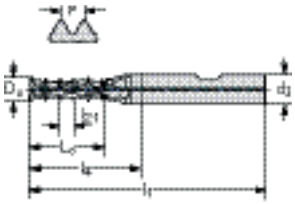




≤ 2,5×D_N | 48HRC | DeVibe

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

Werkzeug



DIN 6535 HB

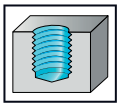
Bezeichnung	D_N	P	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
★ TC620-UNC5/16-W5E-	UNC 5/16-18	18	6,1	4,23	21,2	34	70	8	4	●
★ TC620-UNC3/8-W5E-	UNC 3/8-16	16	7,4	4,76	23,8	36	72	8	4	●
★ TC620-UNC1/2-W5E-	UNC 1/2-13	13	10,1	5,86	31,3	47	92	12	4	●
★ TC620-UNC5/8-W5E-	UNC 5/8-11	11	12,7	6,93	41,6	60	108	16	4	●
★ TC620-UNC3/4-W5E-	UNC 3/4-10	10	15,5	7,62	48,3	62	110	16	5	●

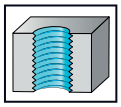
B6

VHM-Gewindefräser
TC610 Supreme

– Universeller Gewindefräser

UNF
ASME B1.1



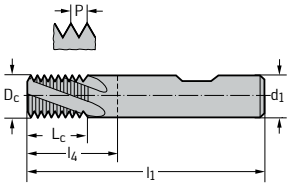


≤ 1,5×D_N

48HRC

	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug



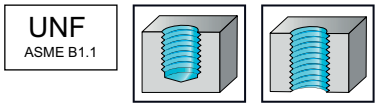
DIN 6535 HB

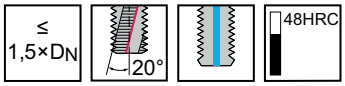
Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC610-UNF10-W0-	32	UNF #10-32	3,6	7,9	57	21	6	3	●
TC610-UNF1/4-W0-	28	UNF 1/4-28	4,8	10	57	21	6	4	●
TC610-UNF5/16-W0-	24	UNF 5/16-24	6	12,7	57	21	6	4	●
TC610-UNF7/16-W0-	20	UNF 7/16-20	8	17,8	63	27	8	4	●
TC610-UNF9/16-W0-	18	UNF 9/16-18	10	22,6	72	32	10	5	●
TC610-UNF3/4-W0-	16	UNF 3/4-16	14	28,6	88	43	14	6	●

B6

VHM-Gewindefräser
TC610 Supreme

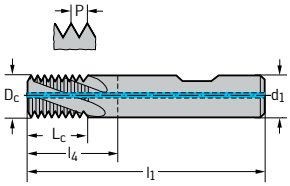
– Universeller Gewindefräser





	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug



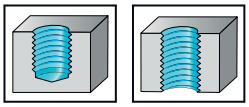
DIN 6535 HB

Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC610-UNF10-W1-	32	UNF #10-32	3,6	7,9	57	21	6	3	●
TC610-UNF1/4-W1-	28	UNF 1/4-28	4,8	10	57	21	6	4	●
TC610-UNF5/16-W1-	24	UNF 5/16-24	6	12,7	57	21	6	4	●
TC610-UNF7/16-W1-	20	UNF 7/16-20	8	17,8	63	27	8	4	●
TC610-UNF9/16-W1-	18	UNF 9/16-18	10	22,6	72	32	10	5	●
TC610-UNF3/4-W1-	16	UNF 3/4-16	14	28,6	88	43	14	6	●

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

UNF
ASME B1.1

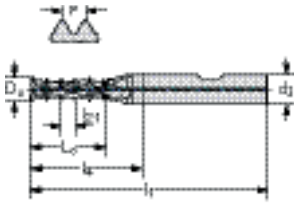


≤ 2×D_N | 48HRC

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

Werkzeug

Bezeichnung	D_N	P	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
★ TC620-UNF10-W1D-	UNF #10-32	32	3,7	1,59	10,3	21	57	6	3	
★ TC620-UNF1/4-W1D-	UNF 1/4-28	28	5,1	1,81	12,7	21	57	6	4	



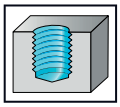
DIN 6535 HB

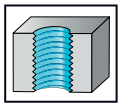
B6

Mehrreihige Gewindefräser
TC620 Supreme

– Universeller mehrreihiger Gewindefräser
– Für hohe Schnittgeschwindigkeiten und große Zahnvorschübe

UNF
ASME B1.1





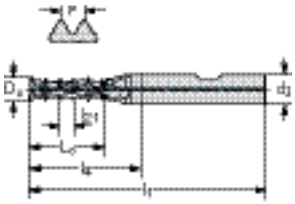
≤ 2×D_N

48HRC

DeVibe

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

Werkzeug



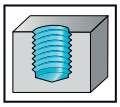
DIN 6535 HB

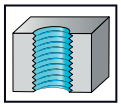
Bezeichnung	D_N	P	D_c mm	l_{21} mm	L_c mm	l_4 mm	l_1 mm	d_1 mm	Z	WB10TJ
★ TC620-UNF5/16-W5D-	UNF 5/16-24	24	6,4	2,12	15,9	27	63	8	4	●
★ TC620-UNF3/8-W5D-	UNF 3/8-24	24	7,9	2,12	19,1	31	67	8	5	●
★ TC620-UNF7/16-W5D-	UNF 7/16-20	20	9,2	2,54	22,9	32	72	10	5	●
★ TC620-UNF1/2-W5D-	UNF 1/2-20	20	10,7	2,54	25,4	38	83	12	5	●
★ TC620-UNF9/16-W5D-	UNF 9/16-18	18	12	2,82	29,6	45	90	12	5	●
★ TC620-UNF5/8-W5D-	UNF 5/8-18	18	13,5	2,82	32,5	48	96	16	6	●
★ TC620-UNF3/4-W5D-	UNF 3/4-16	16	16,4	3,18	38,1	56	104	18	6	●

VHM-Gewindefräser
TC611 Supreme

– Universeller Gewindefräser

UNF
ASME B1.1



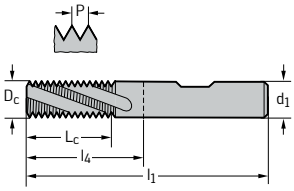


≤ 2×D_N

48HRC

	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug

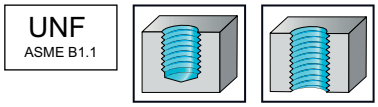


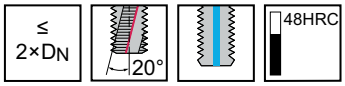
DIN 6535 HB

Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC611-UNF10-W0-	32	UNF #10-32	3,6	10,3	57	21	6	3	●●
TC611-UNF1/4-W0-	28	UNF 1/4-28	4,8	12,7	57	21	6	4	●●
TC611-UNF5/16-W0-	24	UNF 5/16-24	6	15,9	57	21	6	4	●●
TC611-UNF7/16-W0-	20	UNF 7/16-20	8	22,9	68	32	8	4	●●
TC611-UNF9/16-W0-	18	UNF 9/16-18	10	29,6	80	40	10	5	●●
TC611-UNF3/4-W0-	16	UNF 3/4-16	14	38,1	98	53	14	6	●●

VHM-Gewindefräser
TC611 Supreme

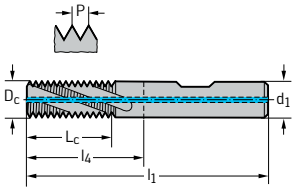
– Universeller Gewindefräser





	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug



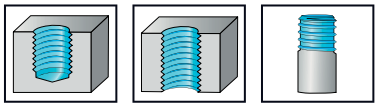
DIN 6535 HB

Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC611-UNF10-W1-	32	UNF #10-32	3,6	10,3	57	21	6	3	●
TC611-UNF1/4-W1-	28	UNF 1/4-28	4,8	12,7	57	21	6	4	●
TC611-UNF5/16-W1-	24	UNF 5/16-24	6	15,9	57	21	6	4	●
TC611-UNF7/16-W1-	20	UNF 7/16-20	8	22,9	68	32	8	4	●
TC611-UNF9/16-W1-	18	UNF 9/16-18	10	29,6	80	40	10	5	●
TC611-UNF3/4-W1-	16	UNF 3/4-16	14	38,1	98	53	14	6	●

VHM-Gewindefräser
TC610 Supreme

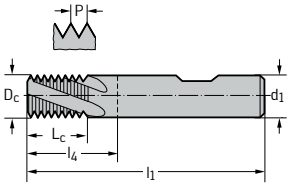
– Universeller Gewindefräser

G (BSP) DIN EN ISO 228 | Rp DIN EN 10226-1



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug



DIN 6535 HB

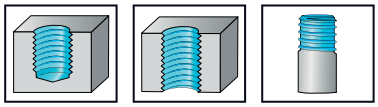
Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC610-G1/8-W0-	28	G 1/8-28	6	15,4	57	21	6	5	●
TC610-G1/4-W0-	19	G 1/4-19	10	20,1	72	32	10	5	●
TC610-G3/8-W0-	19	G 3/8-19	14	25,4	83	38	14	7	●
TC610-G1/2-W0-	14	G 1/2-14	16	32,7	96	44	16	6	●
TC610-G1X20-W0-	11	G 1"-11	20	50,8	120	75	20	6	●
TC610-G5/8-W0-	14	G 5/8-14	20	34,5	104	54	20	8	●

B6

VHM-Gewindefräser
TC610 Supreme

– Universeller Gewindefräser

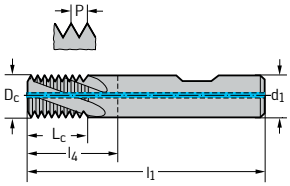
G (BSP) DIN EN ISO 228 | Rp DIN EN 10226-1



≤ 1,5×D_N | 20° | 48HRC

	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Werkzeug



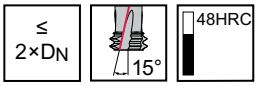
DIN 6535 HB

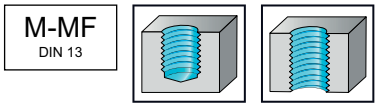
Bezeichnung	Gang pro Zoll	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30RC
TC610-G1/8-W1-	28	G 1/8-28	6	15,4	57	21	6	5	●
TC610-G1/4-W1-	19	G 1/4-19	10	20,1	72	32	10	5	●
TC610-G3/8-W1-	19	G 3/8-19	14	25,4	83	38	14	7	●
TC610-G1/2-W1-	14	G 1/2-14	16	32,7	96	44	16	6	●
TC610-G1X20-W1-	11	G 1"-11	20	50,8	120	75	20	6	●

B6

VHM-Orbitalgewindefräser
TC630 Supreme

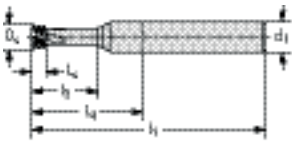
– Universeller Orbital-Gewindefräser





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

Werkzeug



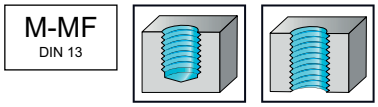
DIN 6535 HA

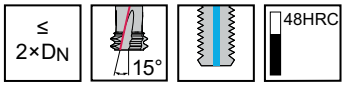
Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M1.6-A0D-	M 1.6	0,35	1,2	0,7	3,73	38	10	3	4	●
★ TC630-M1.8-A0D-	M 1.8	0,35	1,35	0,7	3,78	38	10	3	4	●
★ TC630-M2-A0D-	M 2	0,4	1,55	1,2	4,6	57	21	6	4	●
★ TC630-M2.2-A0D-	M 2.2	0,45	1,65	1,35	4,63	57	21	6	4	●
★ TC630-M2.5-A0D-	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	●

B6

VHM-Orbitalgewindefräser
TC630 Supreme

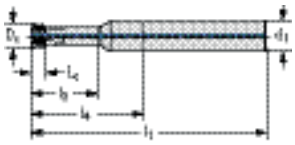
– Universeller Orbital-Gewindefräser





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

Werkzeug



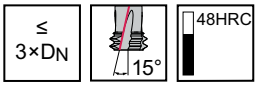
DIN 6535 HA

Bezeichnung	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-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	●

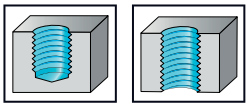
VHM-Orbitalgewindefräser

TC630 Supreme

– Universeller Orbital-Gewindefräser

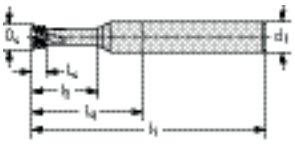


M-MF
DIN 13



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

Werkzeug



DIN 6535 HA

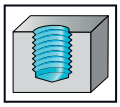
Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
TC630-M1.2-A0F-	M 1.2	0,25	0,9	0,25	3,73	38	10	3	4	✖
TC630-M1.4-A0F-	M 1.4	0,3	1,05	0,3	4,35	38	10	3	4	✖
★ TC630-M1.6-A0F-	M 1.6	0,35	1,2	0,7	5,33	38	10	3	4	✖
★ TC630-M1.8-A0F-	M 1.8	0,35	1,35	0,7	5,58	38	10	3	4	✖
★ TC630-M2-A0F-	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	✖

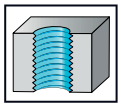
B6

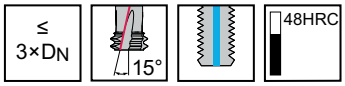
VHM-Orbitalgewindefräser
TC630 Supreme

– Universeller Orbital-Gewindefräser

M-MF
DIN 13

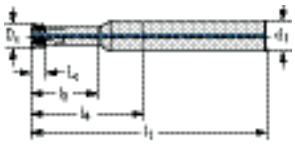






	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Werkzeug



DIN 6535 HA

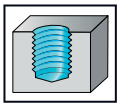
Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M5-A1F-	M 5	0,8	4	2,4	16,2	57	21	6	4	●
★ TC630-M6-A1F-	M 6	1	4,8	3	19,5	57	22	6	4	●
★ TC630-M8-A1F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	●

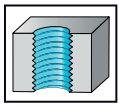
B6

VHM-Orbitalgewindefräser
TC630 Supreme

– Universeller Orbital-Gewindefräser
– Beste Laufruhe dank Walter DeVibe-Technologie

M-MF
DIN 13

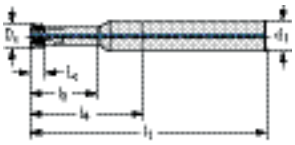




≤ 3×D_N | 15° | 48HRC | DeVibe

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

Werkzeug



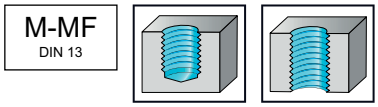
DIN 6535 HA

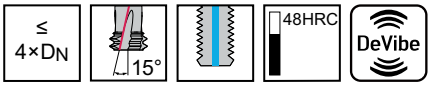
Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M8-A5F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	●
★ TC630-M10-A5F-	M 10	1,5	8,2	4,5	30,75	72	34	10	5	●
★ TC630-M12-A5F-	M 12	1,75	9,75	5,25	36,88	80	40	10	5	●
★ TC630-M14-A5F-	M 14	2	11,4	6	43	92	47	12	5	●
★ TC630-M16-A5F-	M 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	●

B6

VHM-Orbitalgewindefräser
TC630 Supreme

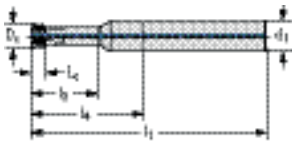
– Universeller Orbital-Gewindefräser
– Beste Laufruhe dank Walter DeVibe-Technologie





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

Werkzeug



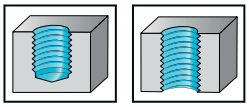
DIN 6535 HA

Bezeichnung	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	●

VHM-Orbitalgewindefräser
TC630 Supreme

– Universeller Orbital-Gewindefräser

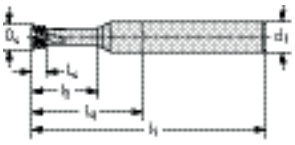
MF
DIN 13



≤ 2,5×D_N | 15° | 48HRC

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

Werkzeug



DIN 6535 HA

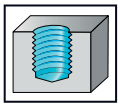
Bezeichnung	D_N	P mm	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-M5X0.5-A0E-	M 5X0.5	0,5	4,3	1,5	12,75	57	21	6	4	●
★ TC630-M6X0.75-A0E-	M 6X0.75	0,75	5	2,25	15,38	57	21	6	4	●
★ TC630-M10X1-A0E-	M 10X1	1	8,55	3	25,5	72	32	10	5	●
★ TC630-M10X1.25A0E-	M 10X1.25	1,25	8,35	3,75	25,63	72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

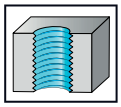
B6

VHM-Orbitalgewindefräser
TC630 Supreme

– Universeller Orbital-Gewindefräser

UNC
ASME B1.1



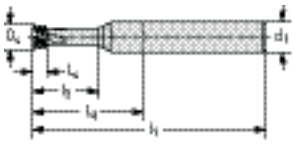


≤ 2×D_N

48HRC

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

Werkzeug



DIN 6535 HA

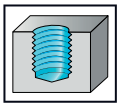
Bezeichnung	D_N-P	Gang pro Zoll	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNC1-A0D-	UNC #1-64	64	1,4	0,79	3,91	38	10	3	4	●
★ TC630-UNC2-A0D-	UNC #2-56	56	1,6	1,36	4,59	57	21	6	4	●
★ TC630-UNC4-A0D-	UNC #4-40	40	2,1	1,91	6,7	57	21	6	4	●
★ TC630-UNC6-A0D-	UNC #6-32	32	2,6	2,38	8,3	57	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	●

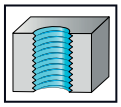
B6

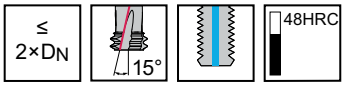
VHM-Orbitalgewindefräser
TC630 Supreme

– Universeller Orbital-Gewindefräser

UNC
ASME B1.1

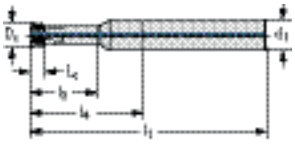






	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Werkzeug



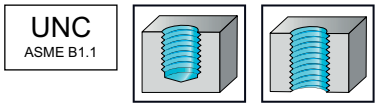
DIN 6535 HA

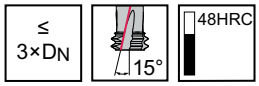
Bezeichnung	D_N-P	Gang pro Zoll	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNC1/4-A1D-	UNC 1/4-20	20	4,85	3,81	14,7	57	21	6	4	●
★ TC630-UNC5/16-A1D-	UNC 5/16-18	18	6,2	4,23	18,1	63	27	8	4	●

B6

VHM-Orbitalgewindefräser
TC630 Supreme

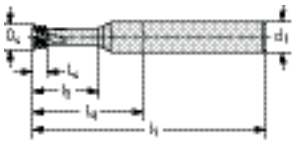
– Universeller Orbital-Gewindefräser





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

Werkzeug

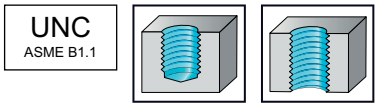


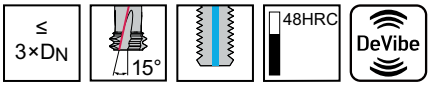
DIN 6535 HA

Bezeichnung	D_N-P	Gang pro Zoll	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	●

VHM-Orbitalgewindefräser
TC630 Supreme

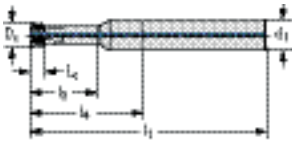
– Universeller Orbital-Gewindefräser
– Beste Laufruhe dank Walter DeVibe-Technologie





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

Werkzeug

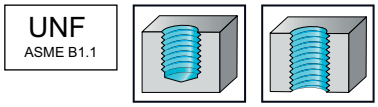


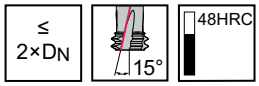
DIN 6535 HA

Bezeichnung	D_N-P	Gang pro Zoll	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	●

VHM-Orbitalgewindefräser
TC630 Supreme

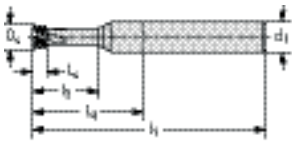
– Universeller Orbital-Gewindefräser





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

Werkzeug

Bezeichnung	D_N-P	Gang pro Zoll	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
 ★ TC630-UNF10-A0D-	UNF #10-32	32	3,85	2,38	10,9	57	21	6	4	●

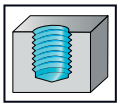
DIN 6535 HA

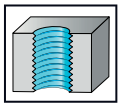
B6

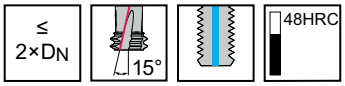
VHM-Orbitalgewindefräser
TC630 Supreme

– Universeller Orbital-Gewindefräser

UNF
ASME B1.1

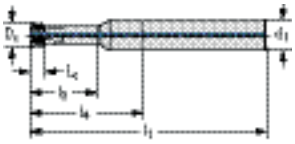






	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Werkzeug



DIN 6535 HA

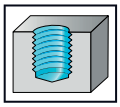
Bezeichnung	D_N-P	Gang pro Zoll	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNF1/4-A1D-	UNF 1/4-28	28	5,25	2,72	14,1	57	21	6	4	●
★ TC630-UNF5/16-A1D-	UNF 5/16-24	24	6,55	3,18	17,5	63	27	8	4	●
★ TC630-UNF3/8-A1D-	UNF 3/8-24	24	8	3,18	20,7	63	27	8	5	●

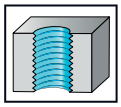
B6

VHM-Orbitalgewindefräser
TC630 Supreme

– Universeller Orbital-Gewindefräser

UNF
ASME B1.1



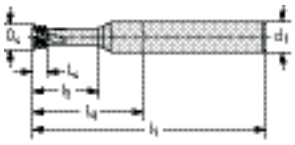


≤ 3×D_N

48HRC

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

Werkzeug



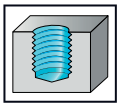
DIN 6535 HA

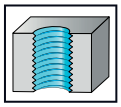
Bezeichnung	D_N-P	Gang pro Zoll	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNF1-A0F-	UNF #1-72	72	1,4	0,71	5,74	38	10	3	4	●
★ TC630-UNF5-A0F-	UNF #5-44	44	2,45	1,73	9,82	57	21	6	4	●
★ TC630-UNF6-A0F-	UNF #6-40	40	2,75	1,91	11,5	57	21	6	4	●
★ TC630-UNF8-A0F-	UNF #8-36	36	3,25	2,12	12,85	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	●

VHM-Orbitalgewindefräser
TC630 Supreme

– Universeller Orbital-Gewindefräser
– Beste Laufruhe dank Walter DeVibe-Technologie

UNF
ASME B1.1

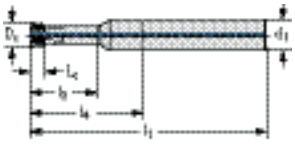




≤ 3×D_N | 15° | 48HRC | DeVibe

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

Werkzeug



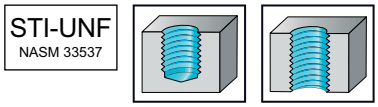
DIN 6535 HA

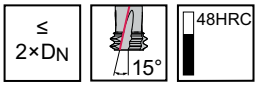
Bezeichnung	D_N-P	Gang pro Zoll	D_c mm	L_c mm	l_3 mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WB10TJ
★ TC630-UNF7/16-A5F-	UNF 7/16-20	20	9,4	3,81	33,98	77	37	10	5	●
★ TC630-UNF9/16-A5F-	UNF 9/16-18	18	12	4,23	43,57	91	46	12	5	●
★ TC630-UNF3/4-A5F-	UNF 3/4-16	16	16,6	4,76	57,95	110	62	18	6	●

B6

VHM-Orbitalgewindefräser
TC630 Supreme

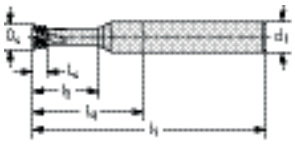
– Spezialist für Luft- und Raumfahrtindustrie
– Ideal für Triebwerksbauteile





	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Werkzeug



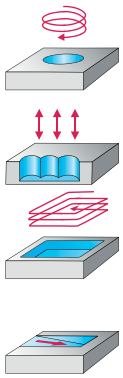
DIN 6535 HA

Bezeichnung	D_N-P	Gang pro Zoll	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

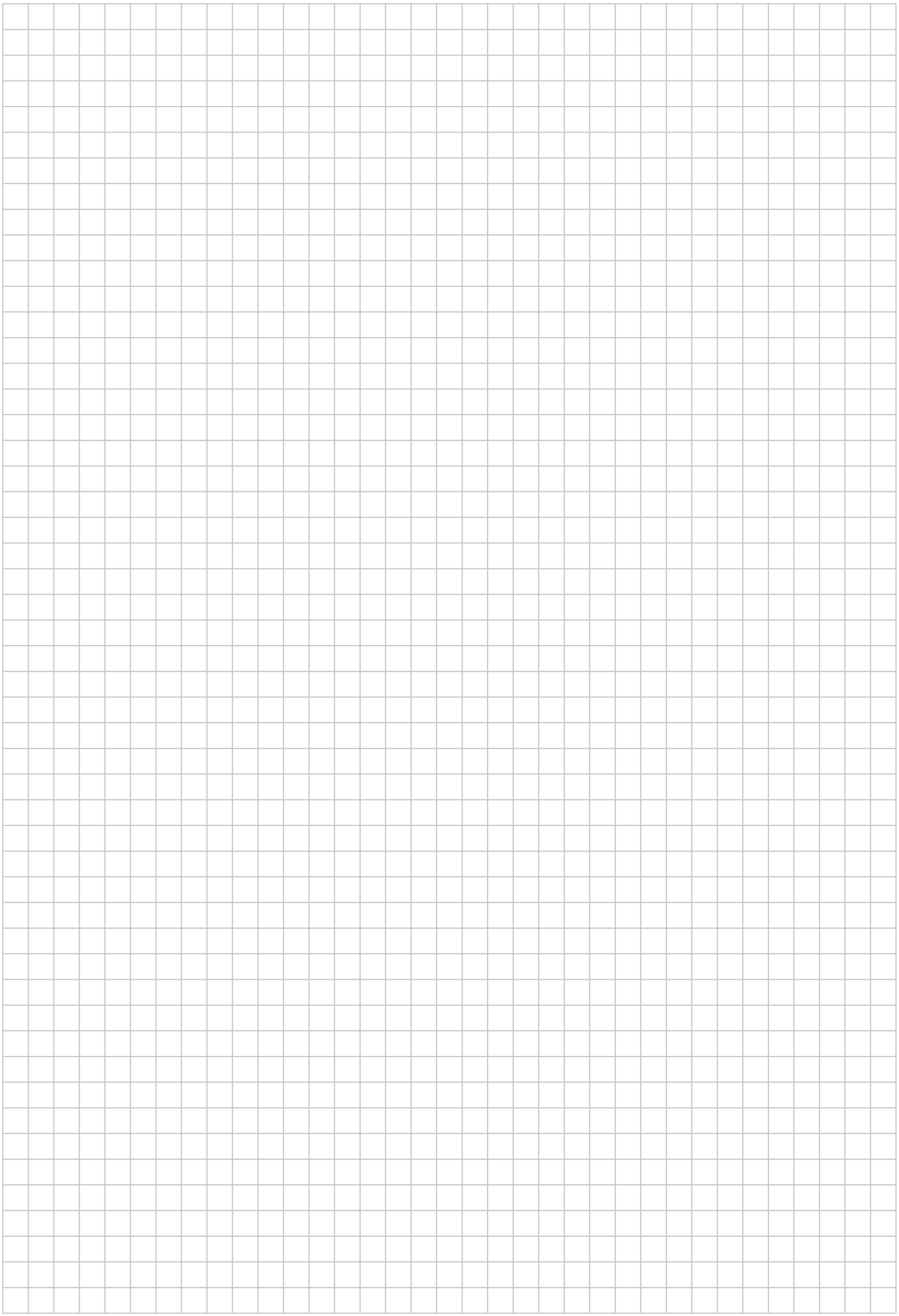
C – Fräsen

VHM-Fräswerkzeuge

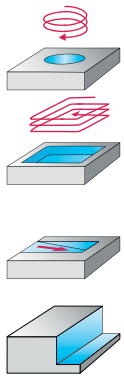
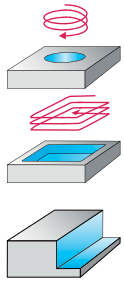
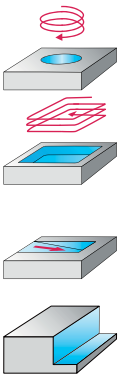
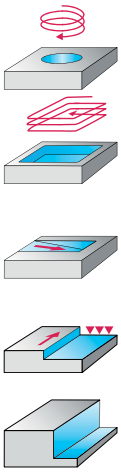


Bezeichnung	MC025 Advance		MC089 Advance		MD025 Supreme	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	1–16	*0,125–0,625*	4–16	—	6–16	*0,250–0,625*
Zähnezahl	2–4	*4*	4		5–6	*5–6*
Eckenradius	0,1–2	*0,020–0,080*	0,5–2		0,5–2	*0,020–0,080*
Norm	PWZ-NORM L STANDARD		DIN 6527 L		PWZ-NORM L STANDARD	
Schaft	DIN 6535 HA		DIN 6535 HA		DIN 6535 HA	
P Stahl	●●				●●	
M Nichtrostender Stahl	●				●●	
K Gusseisen	●				●	
N NE-Metalle					●	
S Schwer zerspanbare Werkstoffe	●				●●	
H Harte Werkstoffe			●●			
O Andere						
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	MC025		MC089		MD025	

C1



VHM-Fräswerkzeuge

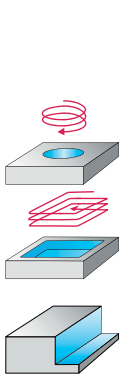
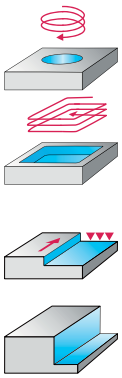
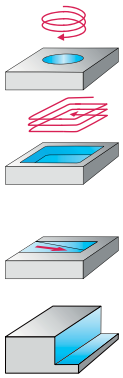
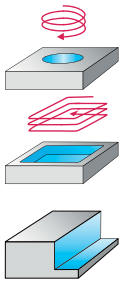
Selection





Bezeichnung	MC111 Advance		MC112 Advance		MC183 Advance		Protostar®		MC166 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	2–20	*0,094–0,750*	4–16,5	—	6–16	—	0,4–3	—	12–20	—
Zähnezahl	4	*4*	4		6–16		2		3	
Eckenradius	—	—	0,5–2		—		0,05–0,3		1–5	
Norm	DIN 6527 K STANDARD		PWZ-NORM XL PWZ-NORM L		DIN 6527 L		PWZ-NORM MINI		PWZ-NORM L PWZ-NORM XL	
Schaft	DIN 6535 HA DIN 6535 HB		DIN 6535 HA		DIN 6535 HB		DIN 6535 HA		DIN 6535 HA	
P Stahl	●●		●●				●●			
M Nichtrostender Stahl	●		●							
K Gusseisen	●		●							
N NE-Metalle	●						●		●●	
S Schwer zerspanbare Werkstoffe	●		●							
H Harte Werkstoffe					●●					
O Andere										
Seite im Katalog									340	
QR-Code										
www.walter-tools.com/woc/	MC111		MC112		MC183		protostar		MC166	

C1

Selection | Selection


MD133 Supreme


MD173 Supreme


MD177 Supreme


MC122 Advance


Protostar® Ti

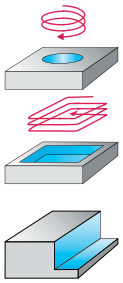

MC128 Advance


MC187 Advance

	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
	6–20	*0,250–0,750*	—	*0,250–1,000*	6–25	*0,187–1,000*	2–25	—	16–25	—	2–25	*0,250–0,750*	3–25	*0,125–0,750*
	5–6	*5–6*		*7*	7	*7*	4–8		4–5		4–8	*6–8*	4–8	*4–8*
	0,3–1	*0,015–0,030*		*0,015–0,120*	0,3–1,25	*0,015–0,120*	—		3–4		0,5–4	*0,015–0,250*	0,5–3	*0,015–0,060*
	PWZ-NORM L PWZ-NORM XL		STANDARD PWZ-NORM L PWZ-NORM XL		DIN 6527 L PWZ-NORM L STANDARD PWZ-NORM S PWZ-NORM XL		PWZ-NORM L PWZ-NORM XL DIN 6527 L		PWZ-NORM XL		DIN 6527 L STANDARD		PWZ-NORM L DIN 6527 L STANDARD	
	DIN 6535 HB		Zylinderschaft		Zylinderschaft		DIN 6535 HA DIN 6535 HB		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA	
	●●		●		●		●●				●●			
	●●		●		●		●				●			
	●						●				●			
	●													
	●		●●		●●		●		●●		●			
													●●	
			348		342									
	MD133		MD173		MD177		MC122		protostar-ti		MC128		MC187	

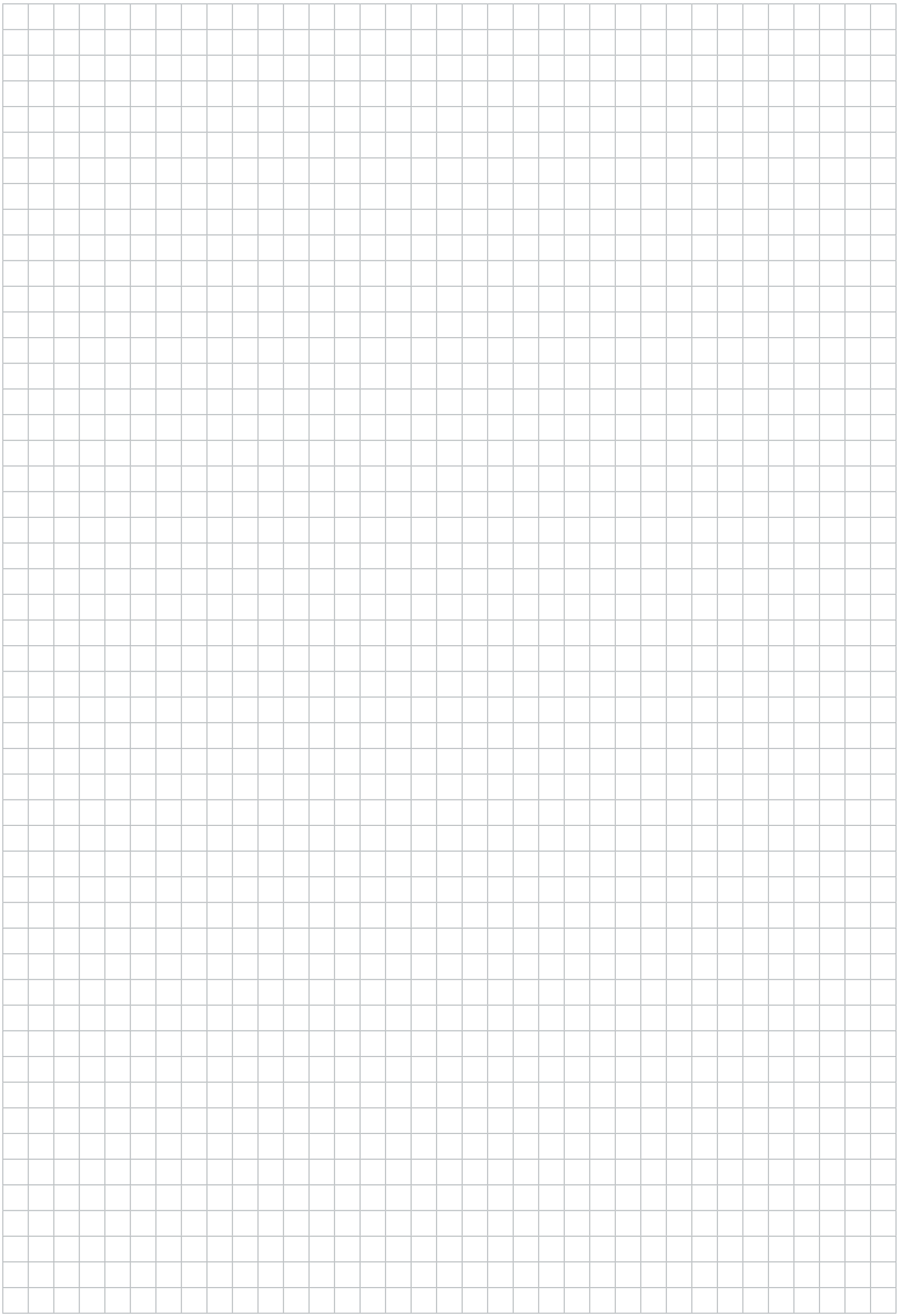
C1

VHM-Fräswerkzeuge

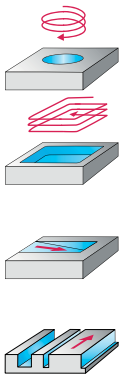


Bezeichnung	MD128 Supreme		MC129 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	6–25	—	6–20	—
Zähnezahl	6–8		6	
Eckenradius	0,5–4		—	
Norm	PWZ-NORM		DIN 6527 L	
Schaft	DIN 6535 HA		DIN 6535 HA	
P Stahl	●●		●●	
M Nichtrostender Stahl	●●		●	
K Gusseisen	●		●	
N NE-Metalle				
S Schwer zerspanbare Werkstoffe	●●		●	
H Harte Werkstoffe				
O Andere				
Seite im Katalog				
QR-Code				
www.walter-tools.com/woc/	MD128		MC129	

C1



VHM-Fräswerkzeuge







Bezeichnung	Protostar®		MB265 Supreme		MC213 Advance		MC216 Advance		MC281 Advance		
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	
Ø-Bereich	2–20	—	16–25	—	0,6–16,5	—	1–20	*0,094*	1–4	—	
Zähnezahl	2		3		2–4		2–3	*2*	2		
Eckenradius	—		2–4		0,06–1,5		—	—	0,2–0,5		
Norm	PWZ-NORM L		PWZ-NORM XL		PWZ-NORM XL PWZ-NORM L		DIN 6527 L STANDARD PWZ-NORM L		PWZ-NORM MINI		
Schaft	DIN 6535 HA		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA		
P Stahl					●●		●●				
M Nichtrostender Stahl					●		●				
K Gusseisen					●		●				
N NE-Metalle	●●		●●								
S Schwer zerspanbare Werkstoffe					●		●				
H Harte Werkstoffe									●●		
O Andere											
Seite im Katalog											
QR-Code											
www.walter-tools.com/woc/	protostar		MB265		MC213		MC216		MC281		

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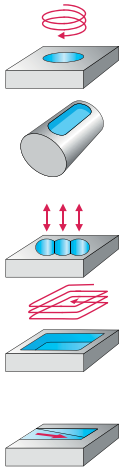

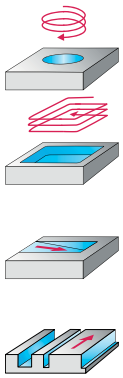

	MC716 Advance		MD266 Supreme		Protostar®		Protostar® Ultra		MC232 Perform		Proto·max™ST		MC251 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
	1,8–20	—	2–25	—	0,5–12	—	0,8–16	—	2–20	*0,125–0,750*	6–25	*0,375–0,750*	3–20	—
	2–3		2–3		1–4		2–4		2–4	*2–4*	5	*5*	4	
	—		0,2–4		0,05–1		0,08–2		0,2–4	*0,015–0,125*	0,5–2	*0,030–0,060*	0,2–6	
	DIN 6527 K		DIN 6527 L P-NORM L P-NORM XL		DIN 6527 L PWZ-NORM L PWZ-NORM XL PWZ-NORM MINI		PWZ-NORM L PWZ-NORM MINI		DIN 6527 L STANDARD		DIN 6527 L STANDARD		DIN 6527 L	
	DIN 6535 HB		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA DIN 6535 HB		DIN 6535 HB		DIN 6535 HA	
	●●								●●		●●			
	●								●		●		●●	
	●								●					
			●●		●●									
	●												●	
							●●							
					●●									

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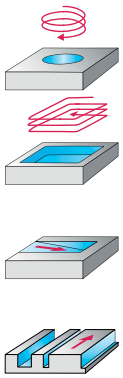
MC716 MD266 protostar protostar-ultra MC232 protomax-st MC251

VHM-Fräswerkzeuge



Bezeichnung	Proto·max™$_{Inox}$		MC230 Advance Xill·tec™		MC319 Advance		MC320 Advance		MC377 Advance		
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	
Ø-Bereich	6–20	*0,250–0,750*	2–25	—	5–25	—	4–25	*0,250–0,750*	2–25	—	
Zähnezahl	4	*4*	4		4		3–8	*4*	3–4		
Eckenradius	0,5–4	—	0,2–4		0,2–0,4		0,2–0,4	*0,008–0,016*	0,2–4		
Norm	DIN 6527 L DIN 6527		DIN 6527 L		DIN 6527 L		DIN 6527 K DIN 6527 L STANDARD		DIN 6527 L		
Schaft	DIN 6535 HA DIN 6535 HB		DIN 6535 HA DIN 6535 HB		DIN 6535 HB		DIN 6535 HB		DIN 6535 HA DIN 6535 HB		
P Stahl			●●		●●		●●		●		
M Nichtrostender Stahl	●●		●		●		●		●		
K Gusseisen			●		●		●				
N NE-Metalle			●								
S Schwer zerspanbare Werkstoffe	●		●		●		●		●●		
H Harte Werkstoffe											
O Andere											
Seite im Katalog											
QR-Code											
www.walter-tools.com/woc/	protomax-inox		MC230		MC319		MC320		MC377		

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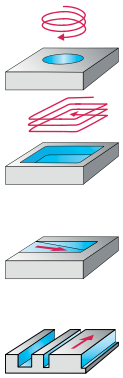

MD377 Supreme

Protostar®

MC267 Advance

MC321 Advance

MC322 Advance

MC324 Advance

Protostar®

	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
	6–25	—	6–25	—	1–20	—	2–12	*0,125–0,500*	6–20	—	1–20	—	2–25	—
	5		3		2–3		3–4	*4*	4–5		3		2–3	
	0,5–6,35		—		0,2–4		—	—	—		1,5–2		0,5	
	DIN 6527 L		PWZ-NORM L DIN 6527 L		DIN 6527 L		STUB PWZ-NORM S DIN 6527 K		DIN 6527 K		DIN 6527 L		PWZ-NORM L DIN 6527 L	
	DIN 6535 HA DIN 6535 HB		DIN 6535 HA DIN 6535 HB		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA DIN 6535 HB		DIN 6535 HA	
							●●		●●		●●			
	●						●		●		●			
							●		●		●			
			●●		●●								●●	
	●●						●		●		●			

MD377 protostar MC267 MC321 MC322 MC324 protostar

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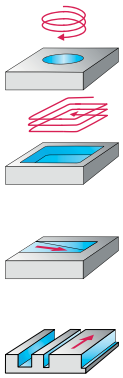
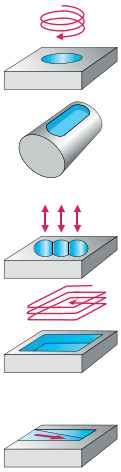
VHM-Fräswerkzeuge





Bezeichnung	Proto·max™$_{ST}$		MC326 Supreme		MC341 Supreme		MC388 Advance		MC726 Supreme	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	2–20	*0,063–0,750*	2–25	*0,125–1,000*	6–20	—	2–12	*0,125–0,500*	2,8–16	—
Zähnezahl	3	*3*	3–5	*3–5*	4		3–4	*3–4*	3–4	
Eckenradius	—	—	0,2–4	*0,015–0,160*	—		0,5–3	*0,015–0,030*	0,08–0,25	
Norm	PWZ-NORM LONG		PWZ-NORM L DIN 6527 L STANDARD LONG STUB		PWZ-NORM		DIN 6527 L PWZ-NORM L		DIN 6527 K	
Schaft	DIN 6535 HA DIN 6535 HB		DIN 6535 HA DIN 6535 HB		DIN 6535 HA		DIN 6535 HA DIN 6535 HB		DIN 6535 HA DIN 6535 HB	
P Stahl	●●		●●		●●		●		●●	
M Nichtrostender Stahl	●		●		●				●	
K Gusseisen			●						●	
N NE-Metalle										
S Schwer zerspanbare Werkstoffe			●						●	
H Harte Werkstoffe							●●			
O Andere										
Seite im Katalog										
QR-Code										
www.walter-tools.com/woc/	protomax-st		MC326		MC341		MC388		MC726	

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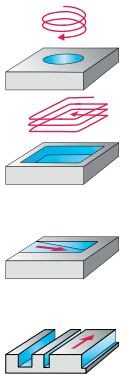
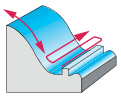


Proto·max™ST

	[mm]	*[inch]*
	3–20	*0,250–0,750*
	4	*4*
	0,2–4	—
	PWZ-NORM LONG	
	DIN 6535 HA DIN 6535 HB	
	●●	
	●	

protomax-st

VHM-Fräswerkzeuge







Bezeichnung	MC413 Advance		MC416 Advance		MC480 Advance		MC482 Advance		Protostar®	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	1–16	—	1–20	*0,063–0,625*	0,4–5	—	1–16	*0,125–0,500*	0,3–16	—
Zähnezahl	2–4		2–4	*4*	2		2–4	*2*	2	
Eckenradius	0,5–8		0,5–10	*0,031–0,313*	0,2–2,5		0,5–8	*0,062–0,250*	0,15–8	
Norm	PWZ-NORM XL PWZ-NORM L		PWZ-NORM L STANDARD DIN 6527 L		PWZ-NORM MINI		DIN 6527 L DIN 6527 K PWZ-NORM XL		PWZ-NORM L PWZ-NORM MINI	
Schaft	DIN 6535 HA		DIN 6535 HA DIN 6535 HB		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA	
P Stahl	●●		●●						●●	
M Nichtrostender Stahl	●		●							
K Gusseisen	●		●							
N NE-Metalle	●		●						●	
S Schwer zerspanbare Werkstoffe	●		●							
H Harte Werkstoffe					●●		●●			
O Andere									●●	
Seite im Katalog										
QR-Code										
www.walter-tools.com/woc/	MC413		MC416		MC480		MC482		protostar	

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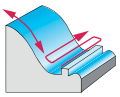

	Protostar® Ultra		Proto·max™Ultra		Protostar®		Protostar® Ultra		Proto·max™Ultra	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
	1–16	—	1–12	—	—	—	—	—	—	—
	2–4		2							
	0,5–8		0,5–6							
	DIN 6527 L PWZ-NORM L		PWZ-NORM L PWZ-NORM MINI							
	DIN 6535 HA		DIN 6535 HA							
	●●		●●				●●		●●	
					●●					
	protostar-ultra		protomax-ultra				protostar-ultra		protomax-ultra	

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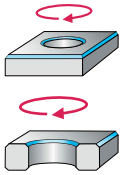
VHM-Fräswerkzeuge







Bezeichnung	MC500 Advance		MC501 Advance		MC502 Advance		MC503 Advance		MC504 Advance	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	6–10	—	6–12	—	10	—	6–20	—	6–12	—
Zähnezahl	4		4–6		4		3–4		4–6	
Eckenradius										
Norm	PWZ-NORM L		PWZ-NORM L		PWZ-NORM L		DIN 6527 L		PWZ-NORM L	
Schaft	DIN 6535 HA DIN 6535 HB		DIN 6535 HA DIN 6535 HB		DIN 6535 HA		DIN 6535 HA		DIN 6535 HA	
P Stahl	●●		●●		●●		●●		●●	
M Nichtrostender Stahl	●		●		●		●		●	
K Gusseisen	●		●		●		●		●	
N NE-Metalle	●		●		●		●		●	
S Schwer zerspanbare Werkstoffe	●		●		●		●		●	
H Harte Werkstoffe										
O Andere										
Seite im Katalog										
QR-Code										
www.walter-tools.com/woc/	MC500		MC501		MC502		MC503		MC504	

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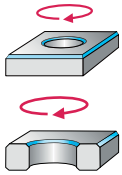


Protostar®

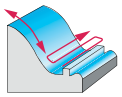
	[mm]	*[inch]*
	—	*0,250–0,500*
		4–6

STANDARD

Zylinderschaft

protostar

VHM-Fräswerkzeuge



Bezeichnung	MD838 Supreme		MD839 Supreme	
	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	6–16	—	6–16	—
Zähnezahl	4–8		4	
Eckenradius	0,5–4		1–4	
Norm	PWZ-NORM		PWZ-NORM	
Schaft	DIN 6535 HA		DIN 6535 HA	
P Stahl	●●		●●	
M Nichtrostender Stahl	●●		●●	
K Gusseisen	●		●	
N NE-Metalle	●		●	
S Schwer zerspanbare Werkstoffe	●●		●●	
H Harte Werkstoffe				
O Andere				
Seite im Katalog				
QR-Code				
www.walter-tools.com/woc/	MD838		MD839	

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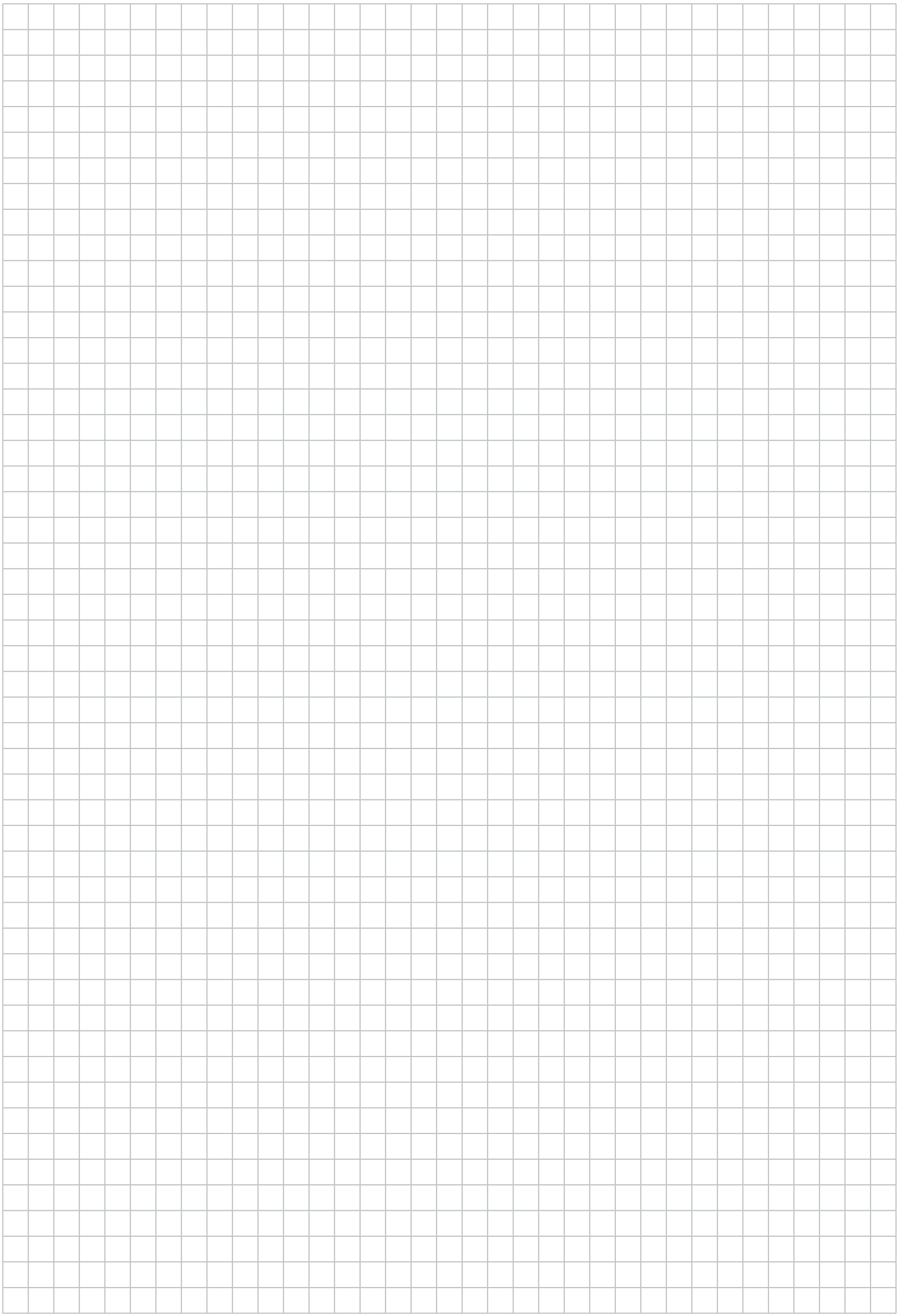
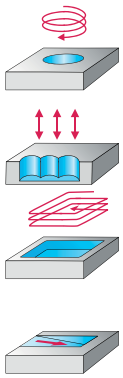
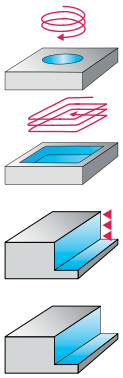


VHM-Fräswerkzeuge mit ConeFit-Schnittstelle



Bezeichnung	MC025 Advance		MD025		Protostar® Flash	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	10–25,4	*0,375–0,750*	10–25	*0,375–1,000*	10–25	—
Zähnezahl	4	*4*	5–6	*5–6*	3–5	
Eckenradius	1,5–3,18	*0,060–0,080*	1,5–3	*0,060–0,125*	1,5–3	
Norm	PWZ-NORM		PWZ-NORM		PWZ-NORM	
Schaft	ConeFit		ConeFit		ConeFit	
P Stahl	●●		●●		●●	
M Nichtrostender Stahl	●		●●		●●	
K Gusseisen	●		●		●	
N NE-Metalle			●			
S Schwer zerspanbare Werkstoffe	●		●●		●	
H Harte Werkstoffe						
O Andere						
Seite im Katalog						
QR-Code						
www.walter-tools.com/woc/	MC025		MD025		protostar-flash	

VHM-Fräswerkzeuge mit ConeFit-Schnittstelle



Bezeichnung	MC128		MD128	
	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	10–25	—	10–25	—
Zähnezahl	6–8		6–8	
Eckenradius	0,5–4		0,5–4	
Norm	PWZ-NORM		PWZ-NORM	
Schaft	ConeFit		ConeFit	
P Stahl	●●		●●	
M Nichtrostender Stahl	●		●●	
K Gusseisen	●		●	
N NE-Metalle				
S Schwer zerspanbare Werkstoffe	●		●●	
H Harte Werkstoffe				
O Andere				
Seite im Katalog				
QR-Code				
www.walter-tools.com/woc/	MC128		MD128	

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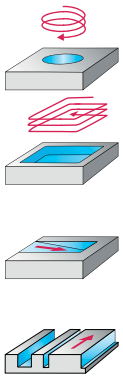
VHM-Fräswerkzeuge mit ConeFit-Schnittstelle



Bezeichnung	Protostar®		MC320		Protostar®		MC326		Proto·max™$_{Inox}$	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	10–16	—	10–25	—	10–25	—	10–25	*0,375–1,000*	10–25	—
Zähnezahl	2		4–8		2–3		4–5	*4–5*	4–5	
Eckenradius	0,2–3		0,35–0,4		—		0,5–4	*0,015–0,125*	0,5–4	
Norm	PWZ-NORM		PWZ-NORM		PWZ-NORM		PWZ-NORM		PWZ-NORM	
Schaft	ConeFit		ConeFit		ConeFit		ConeFit		ConeFit	
P Stahl	●●		●●		●●		●●			
M Nichtrostender Stahl	●		●				●		●●	
K Gusseisen	●		●		●		●			
N NE-Metalle					●●					
S Schwer zerspanbare Werkstoffe			●				●		●	
H Harte Werkstoffe										
O Andere										
Seite im Katalog										
QR-Code										
www.walter-tools.com/woc/	protostar		MC320		protostar		MC326		protomax-inox	

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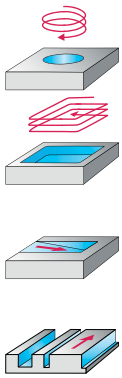
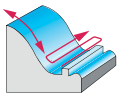


Proto·max™ST

	[mm]	*[inch]*
	10–20	—
	4	
	0,5–4	
	PWZ-NORM	
	ConeFit	
	●●	
	●	

protomax-st

VHM-Fräswerkzeuge mit ConeFit-Schnittstelle



Bezeichnung	Protostar®		Protostar®	
	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	10–16	—	10–25	*0,375–1,000*
Zähnezahl	2		2–4	*4*
Eckenradius	5–8		5–12,5	*0,187–0,500*
Norm	PWZ-NORM		PWZ-NORM	
Schaft	ConeFit		ConeFit	
P Stahl	●●		●●	
M Nichtrostender Stahl	●●		●●	
K Gusseisen	●		●	
N NE-Metalle	●		●	
S Schwer zerspanbare Werkstoffe				
H Harte Werkstoffe				
O Andere				
Seite im Katalog				
QR-Code				
www.walter-tools.com/woc/	protostar		protostar	

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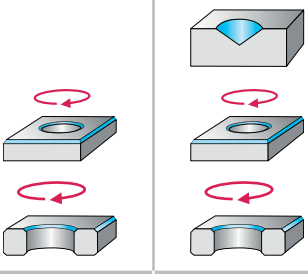
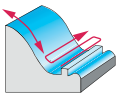
VHM-Fräswerkzeuge mit ConeFit-Schnittstelle



Bezeichnung	Protostar®		Protostar®	
	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	10–20	*0,500–0,625*	10–16	—
Zähnezahl	4–8	*6–8*	2	
Eckenradius				
Norm	PWZ-NORM		PWZ-NORM	
Schaft	ConeFit		ConeFit	
P Stahl	●●		●●	
M Nichtrostender Stahl	●		●	
K Gusseisen	●		●	
N NE-Metalle	●		●	
S Schwer zerspanbare Werkstoffe	●		●	
H Harte Werkstoffe				
O Andere				
Seite im Katalog				
QR-Code				
www.walter-tools.com/woc/	protostar		protostar	

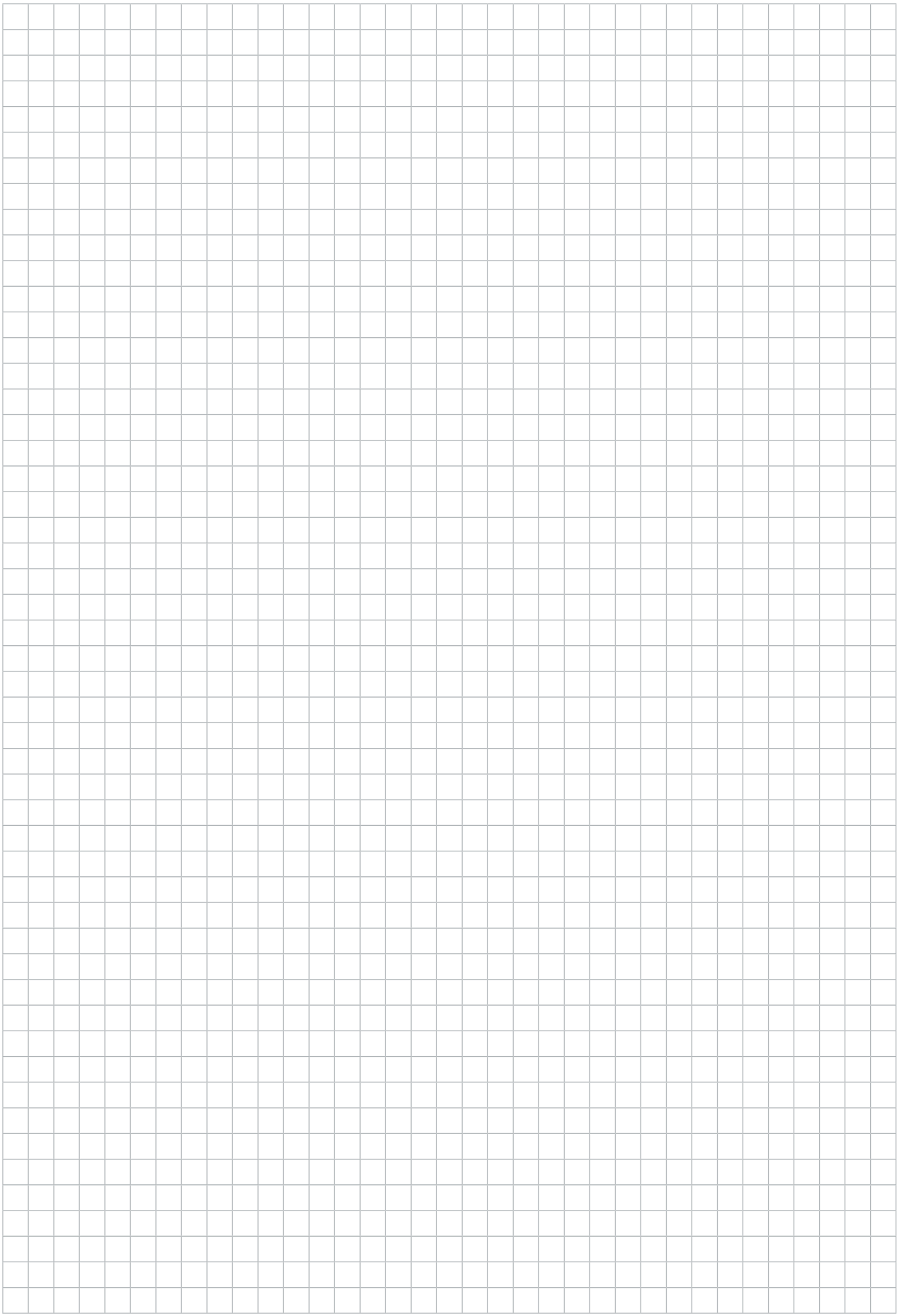
C1

VHM-Fräswerkzeuge mit ConeFit-Schnittstelle

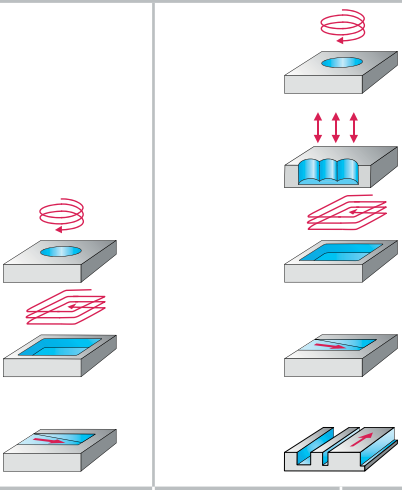


Bezeichnung	MD838	
	[mm]	*[inch]*
Ø-Bereich	16	—
Zähnezahl	8	
Eckenradius	2–4	
Norm	PWZ-NORM	
Schaft	ConeFit	
P Stahl	●●	
M Nichtrostender Stahl	●●	
K Gusseisen	●	
N NE-Metalle	●	
S Schwer zerspanbare Werkstoffe	●●	
H Harte Werkstoffe		
O Andere		
Seite im Katalog		
QR-Code		
www.walter-tools.com/woc/	MD838	

C1



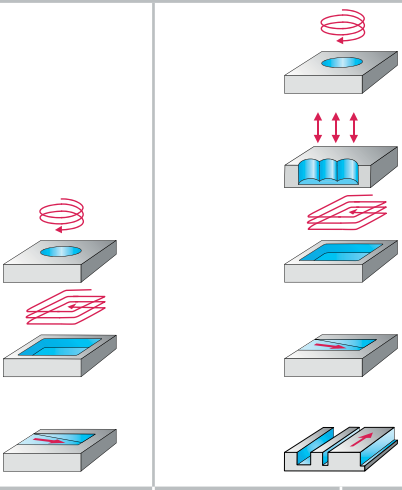
Gelötete Fräswerkzeuge



	##L2!MC075-E-P-R!0	##L2!MC275-E-P-R!0	##L2!MC275-E-P-R!0
			
Bezeichnung	MC075	MC275	MC275
	[mm] *[inch]*	[mm] *[inch]*	[mm] *[inch]*
Ø-Bereich	8–25 —	10–25 —	8–12 —
Zähnezahl	4	4–8	4
Eckenradius	1–3	1–1,5	1
Norm	PWZ-NORM	PWZ-NORM	PWZ-NORM
Schaft	ConeFit DIN 6535 HA	ConeFit DIN 6535 HA	ConeFit DIN 6535 HA
P Stahl			
M Nichtrostender Stahl			
K Gusseisen			
N NE-Metalle			
S Schwer zerspanbare Werkstoffe	●●	●●	●●
H Harte Werkstoffe			
O Andere			
Seite im Katalog	##L1!MC075-E-P-R!0	##L1!MC275-E-P-R!0	##L1!MC275-E-P-R!0
QR-Code			
www.walter-tools.com/woc/	MC075	MC275	MC275

C1

Gelötete Fräswerkzeuge



	##L2!MC075-E-P-R!0		##L2!MC275-E-P-R!0		##L2!MC275-E-P-R!0	
						
Bezeichnung	MC075		MC275		MC275	
	[mm]	*[inch]*	[mm]	*[inch]*	[mm]	*[inch]*
Ø-Bereich	16–25	—	12–25	—	12	—
Zähnezahl	4		6–8		4	
Eckenradius	2–3		1–1,5		1	
Norm	PWZ-NORM		PWZ-NORM		PWZ-NORM	
Schaft	ConeFit		ConeFit		ConeFit	
P Stahl						
M Nichtrostender Stahl						
K Gusseisen						
N NE-Metalle						
S Schwer zerspanbare Werkstoffe	●●		●●		●●	
H Harte Werkstoffe						
O Andere						
Seite im Katalog	##L1!MC075-E-P-R!0		##L1!MC275-E-P-R!0		##L1!MC275-E-P-R!0	
QR-Code						
www.walter-tools.com/woc/	MC075		MC275		MC275	

C1

Bezeichnungsschlüssel – VHM- und PKD-Fräswerkzeuge

Beispiel:

M	C	3	26	–	12.0	A	4	B	200	A	–	W	K	40	TF
1	2	3	4	5	6	7	8	9	10	11		Sorte			

1 Werkzeuggruppe

M	Milling (Fräsen)

2 Generation

P	Werkzeuge mit gelöteter Schneide

3 Werkzeugart

0	Planfräser, High-Feed-Fräser
1	Eckfräser
2	Eck- / Nut- / Igel-Fräser
3	Eck- / Nut- / Igel-Fräser Spiralwinkel ≥ 40°
4	Kugelkopf- / Kopierfräser
5	Profilfräser
7	Bohrnuten- / Bohrzirkularfräser
8	Konische- / Kreissegmentfräser

4 Werkzeugtyp

00	Universal	Spiralwinkel 0°, Fasfräser 60°
01	Universal	Spiralwinkel 0°, Fasfräser 90°
02	Universal	Spiralwinkel 0°, Fasfräser 120°
03	Universal	Spiralwinkel 0°, Viertelkreis-Profilfräser
04	Universal	Spiralwinkel 0°, Vor- / Rückwärtsentgrater
11	Universal	Spiralwinkel 30°, Typ N
12	Universal	Spiralwinkel 30°, Typ HSC
13	Universal	Spiralwinkel 30°, Typ HSC, lange Ausführung
16	Universal	Spiralwinkel 30°, Typ 30
19	Universal	Spiralwinkel 40°, Kordelprofil mit IK
20	Universal	Spiralwinkel 40°, Kordelprofil
21	Universal	Spiralwinkel 45°, kurze Ausführung
22	Universal	Spiralwinkel 45°, Typ N
24	Universal	Spiralwinkel 45°, Typ 45
25	Universal	Spiralwinkel 50°, High Feed
26	Universal	Spiralwinkel 50°, ungleiche Nuttiefe, Ungleichteilung
28	Universal	Spiralwinkel 50°, Typ N, Mehrschneider
29	Universal	Spiralwinkel 60°, Typ N, Mehrschneider
30	Universal	Spiralwinkel 35° / 38° UNI HPC-Geometrie
32	Universal	Spiralwinkel 35°
33	Universal	Spiralwinkel 35° + Spanteiler
38	Universal	Spiralwinkel 30°, Konischer Kreissegmentfräser
39	Universal	Spiralwinkel 30°, Tangentialer Kreissegmentfräser
41	ISO P	Spiralwinkel 50°, HPC, Ungleichteilung
51	ISO M	Spiralwinkel 35° / 38°, ohne IK
60	ISO N	PKD gelötet, durchgängige Schneide
65	ISO N	Spiralwinkel 30°, Al-Geometrie, RAPAX G30 Schrupp-Profil, IK axial
66	ISO N	Spiralwinkel 30°–35°, Al-Geometrie
67	ISO N	Spiralwinkel 45°, Al-Geometrie
77	ISO S	Spiralwinkel 38°–40°, Ti-Geometrie
80	ISO H	Spiralwinkel 30°, HSC, Typ H
81	ISO H	Spiralwinkel 30°, Mini HSC T, Typ H
82	ISO H	Spiralwinkel 30°, Mini HSC R, Typ H
83	ISO H	Spiralwinkel 30°, Multi Flute, Typ H
87	ISO H	Spiralwinkel 50°, Multi Flute, Typ H
88	ISO H	Spiralwinkel 50°, HPC, Typ H
89	ISO H	Spiralwinkel 50°, High Feed, Typ H

5 Trennzeichen

–	Metrisch
.	Inch

6 Schneiddurchmesser

7 Schafttyp

A	Zylinderschaft
B	Bohrung
E	ConeFit
T	ScrewFit
W	Weldonschaft

8 Zähnezahl

9 Baunorm

A	DIN 6527 K
B	DIN 6527 L
C	ANSI-Stub
D	ANSI-Standard
L	P-Norm L
M	P-Norm Mini
P	P-Norm
S	P-Norm S
X	P-Norm XL

10 Eckenradius

11 Variante

A	I3 XS
B	I3 S / $2 \times D_c$*
C	I3 M / $3 \times D_c$*
D	I3 L / $4 \times D_c$*
E	I3 XL / $5 \times D_c$*
F	I3 XXL / $6 \times D_c$*
G	I3 XXXL / $8 \times D_c$*
H	I3 XXXXL / $10 \times D_c$*
J	Lc S / $3 \times D_c$*
K	Lc M / $4 \times D_c$*
L	Lc L / $5 \times D_c$*
V	Konischer Hals $\alpha \leq 3°$
W	Konischer Hals $\alpha \leq 6°$
X	Konischer Hals $\alpha \leq 12°$

* Richtwerte

C1

Sorten-Bezeichnungsschlüssel für Schneidstoffe aus Vollhartmetall

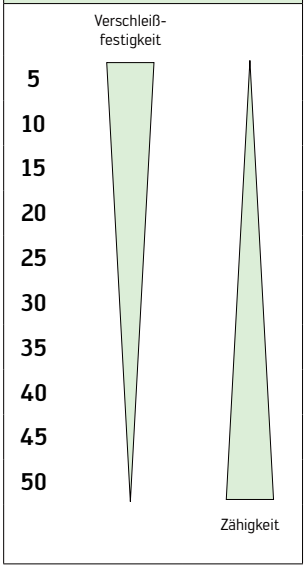
Beispiel:

W	K	40	TF
Walter	1	2	3

1 Substrat

VHM
- B
- J
- K

2 Anwendungsbereich



3 Beschichtung

TF	TiAlN
UU	Unbeschichtet
CA	CrN
RC	TiAlN + AlTi
TZ	AlTiN + ZrN
ED	AlCRN
TG	TiAlSiN
RD	AlTiN + ZrN
RA	TiAlN + TiAl
EA	ACN
EN	nACRoA

Sorten-Bezeichnungsschlüssel für Schneidstoffe aus PKD

Beispiel:

W	D	N	20
Walter	1	2	3

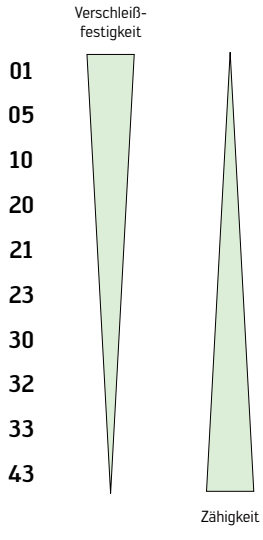
1 Schneidstoff

D	Diamant

2 Hauptanwendung

P	Stahl
M	Nichtrostender Stahl
K	Gusseisen
N	NE-Metalle
S	Schwer zerspanbare Werkstoffe
H	Harte Werkstoffe

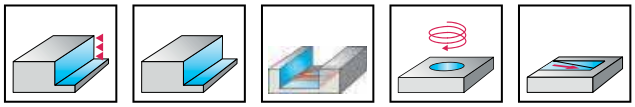
3 Anwendungsbereich

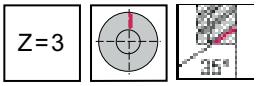


C1

VHM-Eckfräser
MC166 Advance mm

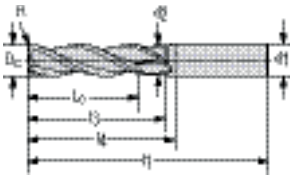
– Lange Reichweite





	P	M	K	N	S	H	O
WJ30UU				●●			

Werkzeug



DIN 6535 HA

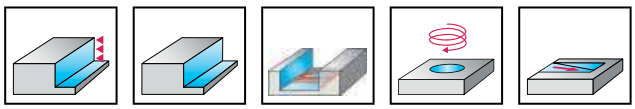
Bezeichnung	D_c mm	R mm	L_c mm	l_3 mm	d_2 mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30UU
★ MC166-12.0A3L100D-	12	1	42	52	11,4	100	55	12	3	☺
★ MC166-12.0A3L200D-	12	2	42	52	11,4	100	55	12	3	☺
★ MC166-12.0A3L300D-	12	3	42	52	11,4	100	55	12	3	☺
★ MC166-12.0A3L400D-	12	4	42	52	11,4	100	55	12	3	☺
★ MC166-15.0A3L300D-	15	3	52	64	14,3	115	67	16	3	☺
★ MC166-15.0A3L400D-	15	4	52	64	14,3	115	67	16	3	☺
★ MC166-16.0A3L100D-	16	1	56	70	15,2	121	73	16	3	☺
★ MC166-16.0A3L200D-	16	2	56	70	15,2	121	73	16	3	☺
★ MC166-16.0A3L300D-	16	3	56	70	15,2	121	73	16	3	☺
★ MC166-16.0A3L400D-	16	4	56	70	15,2	121	73	16	3	☺
★ MC166-16.0A3L500D-	16	5	56	70	15,2	121	73	16	3	☺
★ MC166-20.0A3L100D-	20	1	70	88	19	141	91	20	3	☺
★ MC166-20.0A3L200D-	20	2	70	88	19	141	91	20	3	☺
★ MC166-20.0A3L300D-	20	3	70	88	19	141	91	20	3	☺
★ MC166-20.0A3L400D-	20	4	70	88	19	141	91	20	3	☺
★ MC166-20.0A3L500D-	20	5	70	88	19	141	91	20	3	☺

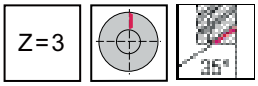
Nutfräsen $a_p \leq 0,5 \times D_c$
Eckfräsen $a_e \leq 0,3 \times D_a$

C1

VHM-Eckfräser

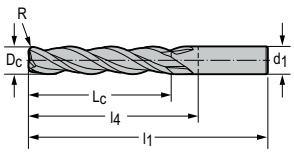
MC166 Advance mm





	P	M	K	N	S	H	O
WJ30UU				●●			

Werkzeug



DIN 6535 HA

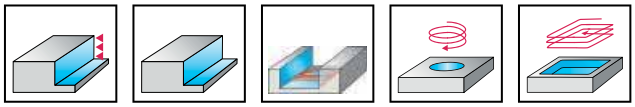
Bezeichnung	D_c mm	R mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30UU
★ MC166-12.0A3X100L-	12	1	60	118	73	12	3	☺
★ MC166-12.0A3X200L-	12	2	60	118	73	12	3	☺
★ MC166-12.0A3X300L-	12	3	60	118	73	12	3	☺
★ MC166-12.0A3X400L-	12	4	60	118	73	12	3	☺
★ MC166-15.0A3X300L-	15	3	75	139	91	16	3	☺
★ MC166-15.0A3X400L-	15	4	75	139	91	16	3	☺
★ MC166-16.0A3X100L-	16	1	80	145	97	16	3	☺
★ MC166-16.0A3X200L-	16	2	80	145	97	16	3	☺
★ MC166-16.0A3X300L-	16	3	80	145	97	16	3	☺
★ MC166-16.0A3X400L-	16	4	80	145	97	16	3	☺
★ MC166-16.0A3X500L-	16	5	80	145	97	16	3	☺
★ MC166-20.0A3X100L-	20	1	100	171	121	20	3	☺
★ MC166-20.0A3X200L-	20	2	100	171	121	20	3	☺
★ MC166-20.0A3X300L-	20	3	100	171	121	20	3	☺
★ MC166-20.0A3X400L-	20	4	100	171	121	20	3	☺
★ MC166-20.0A3X500L-	20	5	100	171	121	20	3	☺

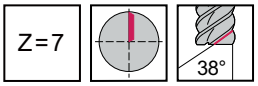
Nutfräsen $a_p \leq 0,3 \times D_c$
Eckfräsen $a_e \leq 0,3 \times D_c$

C1

VHM-Eckfräser

MD177 Supreme mm

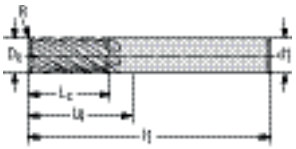




	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Werkzeug

Bezeichnung	D_c mm	R mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30EN
★ MD177-06.0A7B030-	6	0,3	13	57	21	6	7	
★ MD177-08.0A7B040-	8	0,4	19	63	27	8	7	
★ MD177-10.0A7B050-	10	0,5	22	72	32	10	7	
★ MD177-12.0A7B060-	12	0,6	26	83	38	12	7	
★ MD177-16.0A7B080-	16	0,8	32	92	44	16	7	
★ MD177-20.0A7B100-	20	1	38	104	54	20	7	
★ MD177-25.0A7B125-	25	1,25	45	121	65	25	7	



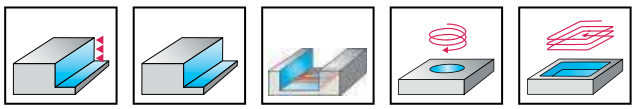
Zylinderschaft

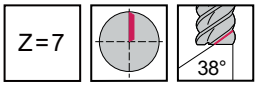
Eckfräsen $a_e \leq 0,05 \times D_c$ für ISO M und ISO S
Eckfräsen $a_e \leq 0,10 \times D_c$ für ISO P

C1

VHM-Eckfräser

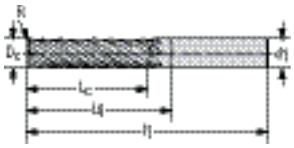
MD177 Supreme mm





	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Werkzeug



Zylinderschaft

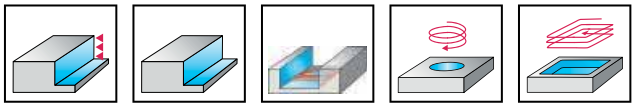
Bezeichnung	D_c mm	R mm	L_c mm	l_1 mm	l_4 mm	d_1 mm	Z	WJ30EN
★ MD177-06.0A7L030K-	6	0,3	25	65	29	6	7	
★ MD177-08.0A7L040K-	8	0,4	34	80	44	8	7	
★ MD177-10.0A7L050K-	10	0,5	42	90	50	10	7	
★ MD177-12.0A7L060K-	12	0,6	50	100	55	12	7	
★ MD177-16.0A7L080K-	16	0,8	66	125	77	16	7	
★ MD177-20.0A7L100K-	20	1	83	145	95	20	7	
★ MD177-25.0A7L125K-	25	1,25	100	163	107	25	7	

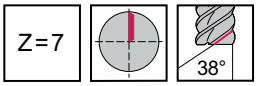
Eckfräsen $a_e \leq 0{,}03 \times D_c$ für ISO M und ISO S
Eckfräsen $a_e \leq 0{,}05 \times D_c$ für ISO P

C1

VHM-Eckfräser

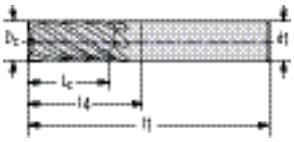
MD177 Supreme inch





	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Werkzeug



Zylinderschaft

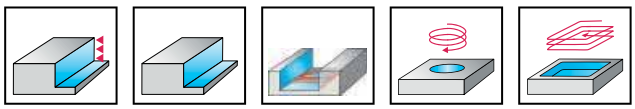
Bezeichnung	D_c inch	L_c inch	l_1 inch	l_4 inch	d_1 inch	Z	WJ30EN
★ MD177.4.76A7LK-	0,187	0,750	2,500	1,083	0,187	7	
★ MD177.6.35A7D-	0,250	0,500	2,500	1,083	0,250	7	
★ MD177.6.35A7DJ-	0,250	0,750	2,500	1,083	0,250	7	
★ MD177.6.35A7XL-	0,250	1,250	3,000	1,583	0,250	7	
★ MD177.9.53A7S-	0,375	0,500	2,000	0,500	0,375	7	
★ MD177.9.53A7D-	0,375	1,000	2,500	1,000	0,375	7	
★ MD177.9.53A7LJ-	0,375	1,250	3,000	1,437	0,375	7	
★ MD177.12.7A7S-	0,500	0,625	2,500	0,717	0,500	7	
★ MD177.12.7A7D-	0,500	1,000	3,000	1,217	0,500	7	
★ MD177.12.7A7DI-	0,500	1,250	3,000	1,250	0,500	7	
★ MD177.12.7A7LK-	0,500	2,125	4,000	2,217	0,500	7	
★ MD177.15.9A7S-	0,625	0,750	3,000	1,094	0,625	7	
★ MD177.15.9A7D-	0,625	1,250	3,500	1,594	0,625	7	
★ MD177.15.9A7DI-	0,625	1,625	3,500	1,625	0,625	7	
★ MD177.15.9A7LJ-	0,625	2,125	4,000	2,125	0,625	7	
★ MD177.19.1A7S-	0,750	1,000	3,000	1,000	0,750	7	
★ MD177.19.1A7D-	0,750	1,625	4,000	1,969	0,750	7	
★ MD177.19.1A7LJ-	0,750	2,250	5,000	2,968	0,750	7	
★ MD177.19.1A7XK-	0,750	3,250	6,000	3,968	0,750	7	
★ MD177.25.4A7DI-	1,000	2,625	5,000	2,717	1,000	7	
★ MD177.25.4A7LJ-	1,000	3,250	6,000	3,717	1,000	7	

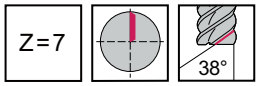
Eckfräsen $a_e \leq 0,05 \times D_c$ für ISO M und ISO S
Eckfräsen $a_e \leq 0,10 \times D_c$ für ISO P

C1

VHM-Eckfräser

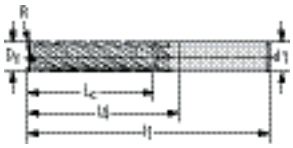
MD177 Supreme inch





	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Werkzeug



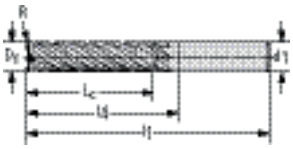
Zylinderschaft

Bezeichnung	D_c inch	R inch	L_c inch	l_1 inch	l_4 inch	d_1 inch	Z	WJ30EN
★ MD177.4.76A7L038K-	0,187	0,015	0,750	2,500	1,083	0,187	7	
★ MD177.6.35A7D038-	0,250	0,015	0,500	2,500	1,083	0,250	7	
★ MD177.6.35A7D076-	0,250	0,030	0,500	2,500	1,083	0,250	7	
★ MD177.6.35A7D076J-	0,250	0,030	0,750	2,500	1,083	0,250	7	
★ MD177.6.35A7X038L-	0,250	0,015	1,250	3,000	1,583	0,250	7	
★ MD177.6.35A7X076L-	0,250	0,030	1,250	3,000	1,583	0,250	7	
★ MD177.9.53A7S038-	0,375	0,015	0,500	2,000	0,500	0,375	7	
★ MD177.9.53A7S076-	0,375	0,030	0,500	2,000	0,500	0,375	7	
★ MD177.9.53A7S152-	0,375	0,060	0,500	2,000	0,500	0,375	7	
★ MD177.9.53A7D038-	0,375	0,015	1,000	2,500	1,000	0,375	7	
★ MD177.9.53A7D076-	0,375	0,030	1,000	2,500	1,000	0,375	7	
★ MD177.9.53A7D152-	0,375	0,060	1,000	2,500	1,000	0,375	7	
★ MD177.9.53A7L038J-	0,375	0,015	1,250	3,000	1,437	0,375	7	
★ MD177.9.53A7L076J-	0,375	0,030	1,250	3,000	1,437	0,375	7	
★ MD177.9.53A7L152J-	0,375	0,060	1,250	3,000	1,437	0,375	7	
★ MD177.12.7A7S038-	0,500	0,015	0,625	2,500	0,717	0,500	7	
★ MD177.12.7A7S076-	0,500	0,030	0,625	2,500	0,717	0,500	7	
★ MD177.12.7A7S152-	0,500	0,060	0,625	2,500	0,717	0,500	7	
★ MD177.12.7A7D038-	0,500	0,015	1,000	3,000	1,217	0,500	7	
★ MD177.12.7A7D076-	0,500	0,030	1,000	3,000	1,217	0,500	7	
★ MD177.12.7A7D152-	0,500	0,060	1,000	3,000	1,217	0,500	7	
★ MD177.12.7A7DI038-	0,500	0,015	1,250	3,000	1,250	0,500	7	
★ MD177.12.7A7D076I-	0,500	0,030	1,250	3,000	1,250	0,500	7	
★ MD177.12.7A7D152I-	0,500	0,060	1,250	3,000	1,250	0,500	7	
★ MD177.12.7A7L038K-	0,500	0,015	2,125	4,000	2,217	0,500	7	
★ MD177.12.7A7L076K-	0,500	0,030	2,125	4,000	2,217	0,500	7	
★ MD177.12.7A7L152K-	0,500	0,060	2,125	4,000	2,217	0,500	7	
★ MD177.15.9A7S038-	0,625	0,030	0,750	3,000	1,094	0,625	7	
★ MD177.15.9A7S076-	0,625	0,060	0,750	3,000	1,094	0,625	7	
★ MD177.15.9A7D038-	0,625	0,030	1,250	3,500	1,594	0,625	7	
★ MD177.15.9A7D076-	0,625	0,060	1,250	3,500	1,594	0,625	7	
★ MD177.15.9A7D038I-	0,625	0,015	1,625	3,500	1,625	0,625	7	
★ MD177.15.9A7D076I-	0,625	0,030	1,625	3,500	1,625	0,625	7	
★ MD177.15.9A7D152I-	0,625	0,060	1,625	3,500	1,625	0,625	7	
★ MD177.15.9A7L038J-	0,625	0,015	2,125	4,000	2,125	0,625	7	

Eckfräsen $a_e \leq 0,05 \times D_c$ für ISO M und ISO S
Eckfräsen $a_e \leq 0,10 \times D_c$ für ISO P

C1

Werkzeug



Zylinderschaft

Bezeichnung	D_c inch	R inch	L_c inch	l_1 inch	l_4 inch	d_1 inch	Z	WJ30EN
★ MD177.15.9A7L076J-	0,625	0,030	2,125	4,000	2,125	0,625	7	
★ MD177.15.9A7L152J-	0,625	0,060	2,125	4,000	2,125	0,625	7	
★ MD177.19.1A7S076-	0,750	0,030	1,000	3,000	1,000	0,750	7	
★ MD177.19.1A7S152-	0,750	0,060	1,000	3,000	1,000	0,750	7	
★ MD177.19.1A7S305-	0,750	0,120	1,000	3,000	1,000	0,750	7	
★ MD177.19.1A7D038-	0,750	0,015	1,625	4,000	1,969	0,750	7	
★ MD177.19.1A7D076-	0,750	0,030	1,625	4,000	1,969	0,750	7	
★ MD177.19.1A7D152-	0,750	0,060	1,625	4,000	1,969	0,750	7	
★ MD177.19.1A7D305-	0,750	0,120	1,625	4,000	1,969	0,750	7	
★ MD177.19.1A7L076J-	0,750	0,030	2,250	5,000	2,968	0,750	7	
★ MD177.19.1A7L152J-	0,750	0,060	2,250	5,000	2,968	0,750	7	
★ MD177.19.1A7L305J-	0,750	0,120	2,250	5,000	2,968	0,750	7	
★ MD177.19.1A7X076K-	0,750	0,030	3,250	6,000	3,968	0,750	7	
★ MD177.19.1A7X152K-	0,750	0,060	3,250	6,000	3,968	0,750	7	
★ MD177.25.4A7D076I-	1,000	0,030	2,625	5,000	2,717	1,000	7	
★ MD177.25.4A7D152I-	1,000	0,060	2,625	5,000	2,717	1,000	7	
★ MD177.25.4A7D305I-	1,000	0,120	2,625	5,000	2,717	1,000	7	
★ MD177.25.4A7L038J-	1,000	0,015	3,250	6,000	3,717	1,000	7	
★ MD177.25.4A7L076J-	1,000	0,030	3,250	6,000	3,717	1,000	7	
★ MD177.25.4A7L152J-	1,000	0,060	3,250	6,000	3,717	1,000	7	
★ MD177.25.4A7L305J-	1,000	0,120	3,250	6,000	3,717	1,000	7	

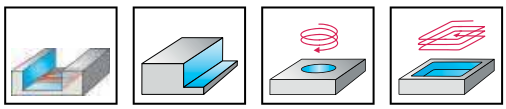
Eckfräsen $a_e \leq 0,05 \times D_c$ für ISO M und ISO S
Eckfräsen $a_e \leq 0,10 \times D_c$ für ISO P

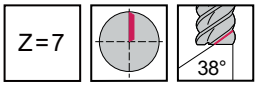
C1

VHM-Eckfräser

MD173 Supreme inch

– Spanteiler

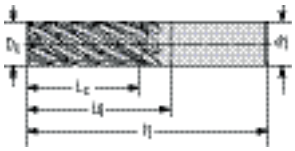




	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Werkzeug

Bezeichnung	D_c inch	L_c inch	l_1 inch	l_4 inch	d_1 inch	Z	WJ30EN
★ MD173.15.9A7DI-	0,625	1,625	3,500	1,625	0,625	7	
★ MD173.15.9A7LJ-	0,625	2,125	4,000	2,125	0,625	7	
★ MD173.19.1A7XK-	0,750	3,250	6,000	3,968	0,750	7	
★ MD173.25.4A7LJ-	1,000	3,250	6,000	3,717	1,000	7	



Zylinderschaft

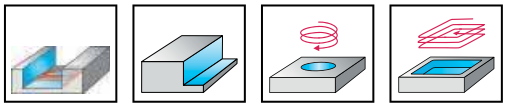
Eckfräsen $a_e \leq 0{,}05 \times D_c$ für ISO M und ISO S
Eckfräsen $a_e \leq 0{,}10 \times D_c$ für ISO P

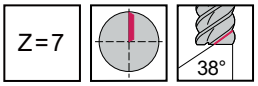
C1

VHM-Eckfräser

MD173 Supreme inch

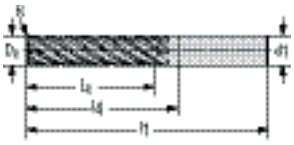
– Spanteiler





	P	M	K	N	S	H	O
WJ30EN	●	●			●●		

Werkzeug

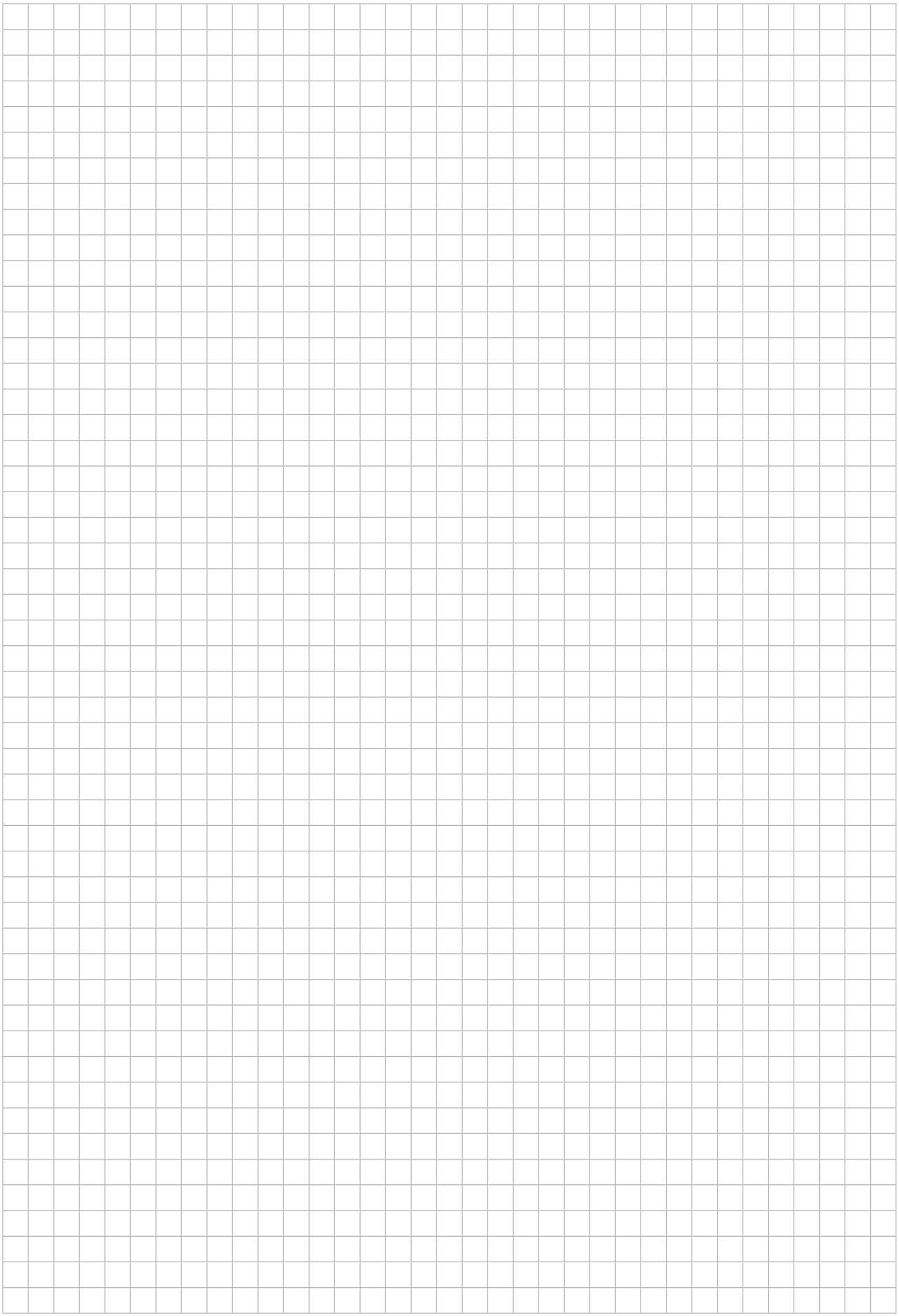


Zylinderschaft

Bezeichnung	D_c inch	R inch	L_c inch	l_1 inch	l_4 inch	d_1 inch	Z	WJ30EN
★ MD173.6.35A7X038L-	0,250	0,015	1,250	3,000	1,583	0,250	7	
★ MD173.9.53A7L038J-	0,375	0,015	1,250	3,000	1,437	0,375	7	
★ MD173.9.53A7L076J-	0,375	0,030	1,250	3,000	1,437	0,375	7	
★ MD173.9.53A7L152J-	0,375	0,060	1,250	3,000	1,437	0,375	7	
★ MD173.12.7A7D038I-	0,500	0,015	1,250	3,000	1,250	0,500	7	
★ MD173.12.7A7D076I-	0,500	0,030	1,250	3,000	1,250	0,500	7	
★ MD173.12.7A7D152I-	0,500	0,060	1,250	3,000	1,250	0,500	7	
★ MD173.12.7A7L076K-	0,500	0,030	2,125	4,000	2,217	0,500	7	
★ MD173.12.7A7L152K-	0,500	0,060	2,125	4,000	2,217	0,500	7	
★ MD173.15.9A7D038I-	0,625	0,015	1,625	3,500	1,625	0,625	7	
★ MD173.15.9A7D076I-	0,625	0,030	1,625	3,500	1,625	0,625	7	
★ MD173.15.9A7L038J-	0,625	0,015	2,125	4,000	2,125	0,625	7	
★ MD173.15.9A7L076J-	0,625	0,030	2,125	4,000	2,125	0,625	7	
★ MD173.15.9A7L152J-	0,625	0,060	2,125	4,000	2,125	0,625	7	
★ MD173.19.1A7D076-	0,750	0,030	1,625	4,000	1,969	0,750	7	
★ MD173.19.1A7D152-	0,750	0,060	1,625	4,000	1,969	0,750	7	
★ MD173.19.1A7D305-	0,750	0,120	1,625	4,000	1,969	0,750	7	
★ MD173.19.1A7L076J-	0,750	0,030	2,250	5,000	2,968	0,750	7	
★ MD173.19.1A7L152J-	0,750	0,060	2,250	5,000	2,968	0,750	7	
★ MD173.19.1A7L305J-	0,750	0,120	2,250	5,000	2,968	0,750	7	
★ MD173.19.1A7X076K-	0,750	0,030	3,250	6,000	3,968	0,750	7	
★ MD173.19.1A7X152K-	0,750	0,060	3,250	6,000	3,968	0,750	7	
★ MD173.19.1A7X305K-	0,750	0,120	3,250	6,000	3,968	0,750	7	
★ MD173.25.4A7D038I-	1,000	0,015	2,625	5,000	2,717	1,000	7	
★ MD173.25.4A7D152I-	1,000	0,060	2,625	5,000	2,717	1,000	7	
★ MD173.25.4A7D305I-	1,000	0,120	2,625	5,000	2,717	1,000	7	

Eckfräsen $a_e \leq 0{,}05 \times D_c$ für ISO M und ISO S
Eckfräsen $a_e \leq 0{,}10 \times D_c$ für ISO P

C1



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