

FEATURES & BENEFITS

EZ Line - Drill

1 Split Point Design

Provide Self Centering capability and reduce thrust

2 C flute shape

- Produce Small chips
- Improve Chip evacuation

3 Effective Clearance and Gash

- Lower cutting forces
- Improve chip formation and control

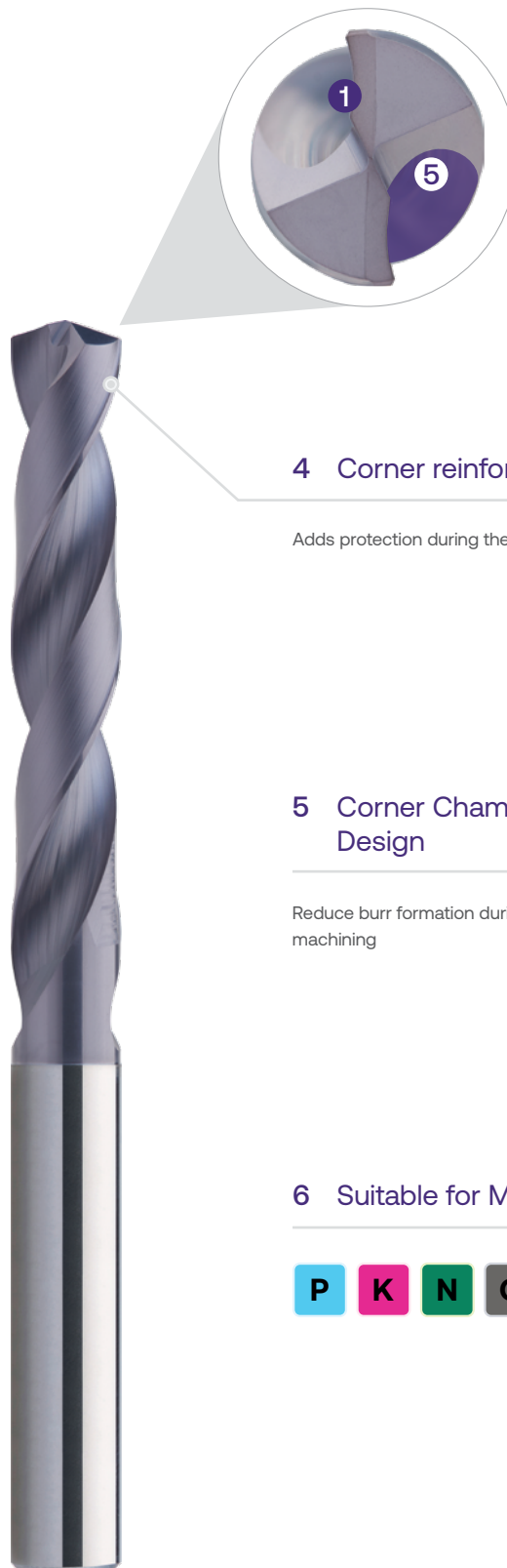
4 Corner reinforcement

Adds protection during the drilling process

5 Corner Chamfer on point Design

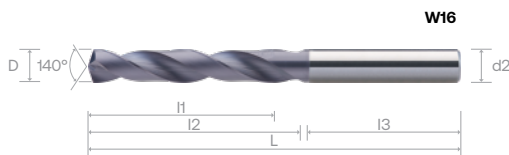
Reduce burr formation during through hole machining

6 Suitable for Material



EZ TWIST DRILLS - DIN 6537K - 3 x Ø

- 🇩🇪 VHM EZ Spiralbohrer nach DIN 6537K, 140° Spitzenwinkel, Schaft nach DIN 6535HA
- 🇮🇹 Punte elicoidali EZ a norma DIN 6537K, 3 x ø, con angolo di punta 140°, codolo DIN 6535HA
- 🇫🇷 Forets hélicoïdaux EZ selon DIN 6537K - 3 x Ø, angle de pointe 140°, queue selon DIN 6535HA
- 🇨🇳 整体硬质合金 EZ 钻头-相等于DIN 6537K- 3 x Ø 2刃-加工深度3xD, 顶角140°



Order Number	Dimension (mm)						T8090		Order Number	Dimension (mm)						T8090	
	D (m7)	I1	I2	I3	L	d2 (h6)				D (m7)	I1	I2	I3	L	d2 (h6)		
W16 0100	1	7		33	45	3	•		W16 0610	6.1	34		36	79	8	•	
W16 0110	1.1			33	45	3	•		W16 0620	6.2			36	79	8	•	
W16 0120	1.2			33	45	3	•		W16 0630	6.3			36	79	8	•	
W16 0130	1.3			33	45	3	•		W16 0640	6.4			36	79	8	•	
W16 0140	1.4	14		33	45	3	•		W16 0650	6.5			36	79	8	•	
W16 0150	1.5			35	50	3	•		W16 0660	6.6			36	79	8	•	
W16 0160	1.6			35	50	3	•		W16 0670	6.7			36	79	8	•	
W16 0170	1.7			35	50	3	•		W16 0680	6.8			36	79	8	•	
W16 0180	1.8	20		35	50	3	•		W16 0690	6.9	41		36	79	8	•	
W16 0190	1.9			35	50	3	•		W16 0700	7			36	79	8	•	
W16 0200	2			36	55	4	•		W16 0710	7.1			36	79	8	•	
W16 0210	2.1			36	55	4	•		W16 0720	7.2			36	79	8	•	
W16 0220	2.2			36	55	4	•		W16 0730	7.3			36	79	8	•	
W16 0230	2.3			36	55	4	•		W16 0740	7.4			36	79	8	•	
W16 0240	2.4			36	55	4	•		W16 0750	7.5			36	79	8	•	
W16 0250	2.5			36	55	4	•		W16 0760	7.6			36	79	8	•	
W16 0260	2.6	24		36	55	4	•		W16 0770	7.7	47		36	79	8	•	
W16 0270	2.7			36	55	4	•		W16 0780	7.8			36	79	8	•	
W16 0280	2.8			36	55	4	•		W16 0790	7.9			36	79	8	•	
W16 0290	2.9			36	55	4	•		W16 0800	8			36	79	8	•	
W16 0300	3			36	62	6	•		W16 0810	8.1			40	89	10	•	
W16 0310	3.1			36	62	6	•		W16 0820	8.2			40	89	10	•	
W16 0320	3.2			36	62	6	•		W16 0830	8.3			40	89	10	•	
W16 0330	3.3			36	62	6	•		W16 0840	8.4			40	89	10	•	
W16 0340	3.4	28		36	62	6	•		W16 0850	8.5	55		40	89	10	•	
W16 0350	3.5			36	62	6	•		W16 0860	8.6			40	89	10	•	
W16 0360	3.6			36	62	6	•		W16 0870	8.7			40	89	10	•	
W16 0370	3.7			36	62	6	•		W16 0880	8.8			40	89	10	•	
W16 0380	3.8			36	66	6	•		W16 0890	8.9			40	89	10	•	
W16 0390	3.9			36	66	6	•		W16 0900	9			40	89	10	•	
W16 0400	4			36	66	6	•		W16 0910	9.1			40	89	10	•	
W16 0410	4.1			36	66	6	•		W16 0920	9.2			40	89	10	•	
W16 0420	4.2	32		36	66	6	•		W16 0930	9.3	63		40	89	10	•	
W16 0430	4.3			36	66	6	•		W16 0940	9.4			40	89	10	•	
W16 0440	4.4			36	66	6	•		W16 0950	9.5			40	89	10	•	
W16 0450	4.5			36	66	6	•		W16 0960	9.6			40	89	10	•	
W16 0460	4.6			36	66	6	•		W16 0970	9.7			40	89	10	•	
W16 0470	4.7			36	66	6	•		W16 0980	9.8			40	89	10	•	
W16 0480	4.8			36	66	6	•		W16 0990	9.9			40	89	10	•	
W16 0490	4.9			36	66	6	•		W16 1000	10			40	89	10	•	
W16 0500	5	36		36	66	6	•		W16 1010	10.1	75		45	102	12	•	
W16 0510	5.1			36	66	6	•		W16 1020	10.2			45	102	12	•	
W16 0520	5.2			36	66	6	•		W16 1030	10.3			45	102	12	•	
W16 0530	5.3			36	66	6	•		W16 1040	10.4			45	102	12	•	
W16 0540	5.4			36	66	6	•		W16 1050	10.5			45	102	12	•	
W16 0550	5.5			36	66	6	•		W16 1060	10.6			45	102	12	•	
W16 0560	5.6			36	66	6	•		W16 1070	10.7			45	102	12	•	
W16 0570	5.7			36	66	6	•		W16 1080	10.8			45	102	12	•	
W16 0580	5.8	40		36	66	6	•		W16 1090	10.9	90		45	102	12	•	
W16 0590	5.9			36	66	6	•		W16 1100	11			45	102	12	•	
W16 0600	6			36	66	6	•		W16 1110	11.1			45	102	12	•	

cont'd ▶

Material Group | Material-Gruppe | Groupe Matière | Gruppo Materiali | 材质主类

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Cutting Parameter

458

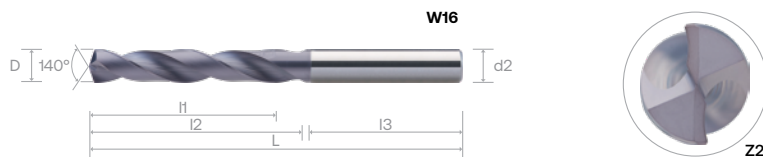
DR 60	DR 45 SB	DR-LX	DR MINI	DR-S	DR VA	DR NITiCo	EZ LINE - DRILL	DR ALU	NC SPOT
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MG

$\lambda = 30^\circ$

3 x Ø

HPT
T8090
TiAlN

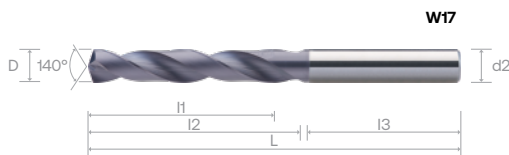
[illegible]

Cutting Parameter

458

EZ TWIST DRILLS - DIN 6537L - 5 x Ø

- 🇩🇪 VHM EZ Spiralbohrer nach DIN 6537L, 140° Spitzenwinkel, Schaft nach DIN 6535HA
- 🇮🇹 Punte elicoidali EZ a norma DIN 6537L, 5 x ø, con angolo di punta 140°, codolo DIN 6535HA
- 🇫🇷 Forets hélicoïdaux EZ selon DIN 6537L - 5 x Ø, angle de pointe 140°, queue selon DIN 6535HA
- 🇨🇳 整体硬质合金 EZ 钻头-相等于DIN 6537L- 5 x Ø 2刀-加工深度3xD, 顶角140°



Order Number	Dimension (mm)						T8090		Order Number	Dimension (mm)						T8090	
	D (m7)	I1	I2	I3	L	d2 (h6)				D (m7)	I1	I2	I3	L	d2 (h6)		
W17 0100	1	8		33	55	3	•		W17 0610	6.1			36	91	8	◦	
W17 0110	1.1			33	55	3	◦		W17 0620	6.2			36	91	8	◦	
W17 0120	1.2	12		33	55	3	•		W17 0630	6.3			36	91	8	◦	
W17 0130	1.3			33	55	3	◦		W17 0640	6.4			36	91	8	◦	
W17 0140	1.4			33	55	3	◦		W17 0650	6.5			36	91	8	◦	
W17 0150	1.5			35	55	3	•		W17 0660	6.6			36	91	8	◦	
W17 0160	1.6			35	55	3	◦		W17 0670	6.7			36	91	8	◦	
W17 0170	1.7	16		35	55	3	•		W17 0680	6.8			36	91	8	•	
W17 0180	1.8			35	55	3	•		W17 0690	6.9			36	91	8	◦	
W17 0190	1.9			35	55	3	◦		W17 0700	7			36	91	8	◦	
W17 0200	2			36	57	4	•		W17 0710	7.1			36	91	8	◦	
W17 0210	2.1			36	57	4	•		W17 0720	7.2			36	91	8	◦	
W17 0220	2.2			36	57	4	◦		W17 0730	7.3			36	91	8	◦	
W17 0230	2.3			36	57	4	•		W17 0740	7.4			36	91	8	◦	
W17 0240	2.4	21		36	57	4	◦		W17 0750	7.5			36	91	8	◦	
W17 0250	2.5			36	57	4	•		W17 0760	7.6			36	91	8	◦	
W17 0260	2.6			36	57	4	•		W17 0770	7.7			36	91	8	◦	
W17 0270	2.7			36	57	4	•		W17 0780	7.8			36	91	8	◦	
W17 0280	2.8			36	57	4	◦		W17 0790	7.9			36	91	8	◦	
W17 0290	2.9			36	57	4	◦		W17 0800	8			36	91	8	◦	
W17 0300	3			36	66	6	•		W17 0810	8.1			40	103	10	◦	
W17 0310	3.1			36	66	6	•		W17 0820	8.2			40	103	10	◦	
W17 0320	3.2			36	66	6	•		W17 0830	8.3			40	103	10	◦	
W17 0330	3.3			36	66	6	•		W17 0840	8.4			40	103	10	◦	
W17 0340	3.4	28		36	66	6	•		W17 0850	8.5			40	103	10	•	
W17 0350	3.5			36	66	6	◦		W17 0860	8.6			40	103	10	◦	
W17 0360	3.6			36	66	6	◦		W17 0870	8.7			40	103	10	◦	
W17 0370	3.7			36	66	6	◦		W17 0880	8.8			40	103	10	◦	
W17 0380	3.8			36	74	6	◦		W17 0890	8.9			40	103	10	◦	
W17 0390	3.9			36	74	6	◦		W17 0900	9			40	103	10	◦	
W17 0400	4			36	74	6	•		W17 0910	9.1			40	103	10	◦	
W17 0410	4.1			36	74	6	◦		W17 0920	9.2			40	103	10	◦	
W17 0420	4.2	36		36	74	6	•		W17 0930	9.3			40	103	10	◦	
W17 0430	4.3			36	74	6	◦		W17 0940	9.4			40	103	10	◦	
W17 0440	4.4			36	74	6	◦		W17 0950	9.5			40	103	10	◦	
W17 0450	4.5			36	74	6	•		W17 0960	9.6			40	103	10	◦	
W17 0460	4.6			36	74	6	◦		W17 0970	9.7			40	103	10	◦	
W17 0470	4.7			36	74	6	◦		W17 0980	9.8			40	103	10	◦	
W17 0480	4.8			36	82	6	•		W17 0990	9.9			40	103	10	◦	
W17 0490	4.9			36	82	6	◦		W17 1000	10			40	103	10	◦	
W17 0500	5			36	82	6	•		W17 1010	10.1			45	118	12	◦	
W17 0510	5.1			36	82	6	•		W17 1020	10.2			45	118	12	◦	
W17 0520	5.2			36	82	6	•		W17 1030	10.3			45	118	12	◦	
W17 0530	5.3	44		36	82	6	◦		W17 1040	10.4			45	118	12	◦	
W17 0540	5.4			36	82	6	◦		W17 1050	10.5			45	118	12	◦	
W17 0550	5.5			36	82	6	◦		W17 1060	10.6			45	118	12	◦	
W17 0560	5.6			36	82	6	◦		W17 1070	10.7			45	118	12	◦	
W17 0570	5.7			36	82	6	◦		W17 1080	10.8			45	118	12	◦	
W17 0580	5.8			36	82	6	•		W17 1090	10.9			45	118	12	◦	
W17 0590	5.9			36	82	6	◦		W17 1100	11			45	118	12	◦	
W17 0600	6			36	82	6	•		W17 1110	11.1			45	118	12	◦	

cont'd ▶

Material Group | Material-Gruppe | Groupe Matière | Gruppo Materiali | 材质主类

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02
●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Cutting Parameter

458

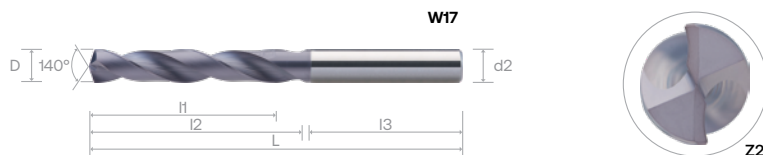
DR 60	DR 45 SB	DR-LX	DR MINI	DR-S	DR VA	DR NITiCo	EZ LINE - DRILL	DR ALU	NC SPOT
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MG

$\lambda = 30^\circ$

5 x Ø

HPT
T8090
TiAlN

[illegible]

Cutting Parameter

458

Recommended Cutting Data



Note: These recommended cutting data indicators are just for reference. They should be adjusted according to the different cutting condition



EZ Twist Drill - Point Angle 140°, 3 × D, 5 × D - W16, W17

Drilling	N						K				P					
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Ductile Cast Iron		Carbon Steel		Alloy Steel		Prehardened Steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-		-		520 < Rm < 1200		35 ≤ HRC < 45	
D	Vc	fn	Vc	fn	Vc	fn	Vc	fn	Vc	fn	Vc	fn	Vc	fn	Vc	fn
1	150	0.019	130	0.018	100	0.018	75	0.020	60	0.012	80	0.021	65	0.015	35	0.016
2		0.040		0.038		0.038		0.042		0.025		0.043		0.032		0.032
3		0.062		0.060		0.060		0.064		0.039		0.068		0.051		0.050
4		0.085		0.083		0.083		0.088		0.056		0.094		0.069		0.068
5		0.110		0.107		0.108		0.115		0.074		0.122		0.088		0.083
6		0.138		0.133		0.131		0.140		0.094		0.149		0.109		0.105
7		0.165		0.158		0.161		0.166		0.114		0.178		0.130		0.125
8		0.195		0.190		0.190		0.200		0.142		0.216		0.154		0.150
9		0.224		0.222		0.219		0.226		0.159		0.245		0.178		0.162
10		0.260		0.250		0.253		0.263		0.185		0.281		0.200		0.183
11		0.293		0.284		0.290		0.295		0.217		0.313		0.226		0.200
12		0.333		0.320		0.322		0.330		0.250		0.355		0.250		0.230
13		0.349		0.341		0.336		0.342		0.260		0.380		0.275		0.244
14		0.360		0.353		0.357		0.350		0.271		0.395		0.287		0.275
15		0.384		0.371		0.364		0.381		0.285		0.435		0.307		0.275
16		0.400		0.388		0.385		0.393		0.300		0.450		0.323		0.300

NC SPOT
DR ALU
EZ LINE - DRILL
DR NiTiCo
DR VA
DR-S
DR MINI
DR-LX
DR 45 SB
DR 60