

 **HPMIT**



LINE


Suitable for material groups
P, M, K, N (Endmill) / P, K, N, O (Drill)



SQUARE ENDMILLS

	EDP No.	Design	Z	Diameter Range	Page	Stock
	C76	DP/DH	4	1.0 - 25.0	7	●/○

DRILLS

	EDP No.	Design	Z	Diameter Range	Page	Stock
	W16	DIN 6537K - 3 x Ø	2	1.0 - 16.0	10	●/○
	W17	DIN 6537L - 5 x Ø	2	1.0 - 16.0	12	●/○

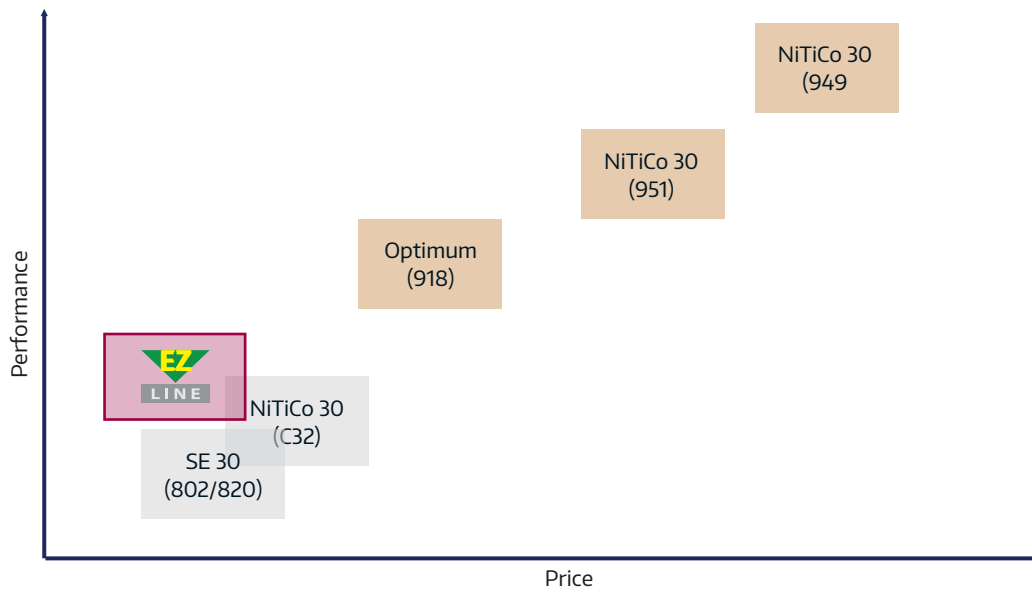
Legend : ● Ex stock ○ Upon Request

INTRODUCTION

The EZ Line Endmill is the latest in HPMT's all-new economy series, designed for general machining. With a core focus on aggressive value for money proposition, our R&D team has equipped the EZ Line with tried-and-tested features like our Differential Pitch (DP) and Differential Helix (DH) for anti-vibration and our improved coating formula, for soft to medium hardened materials in both wet and dry machining conditions.

We hope for end-users to find the EZ Line experience to be accessible and cost-effective; quick and easy.

Positioning of key products for soft to medium hardened materials up to HRC 35.



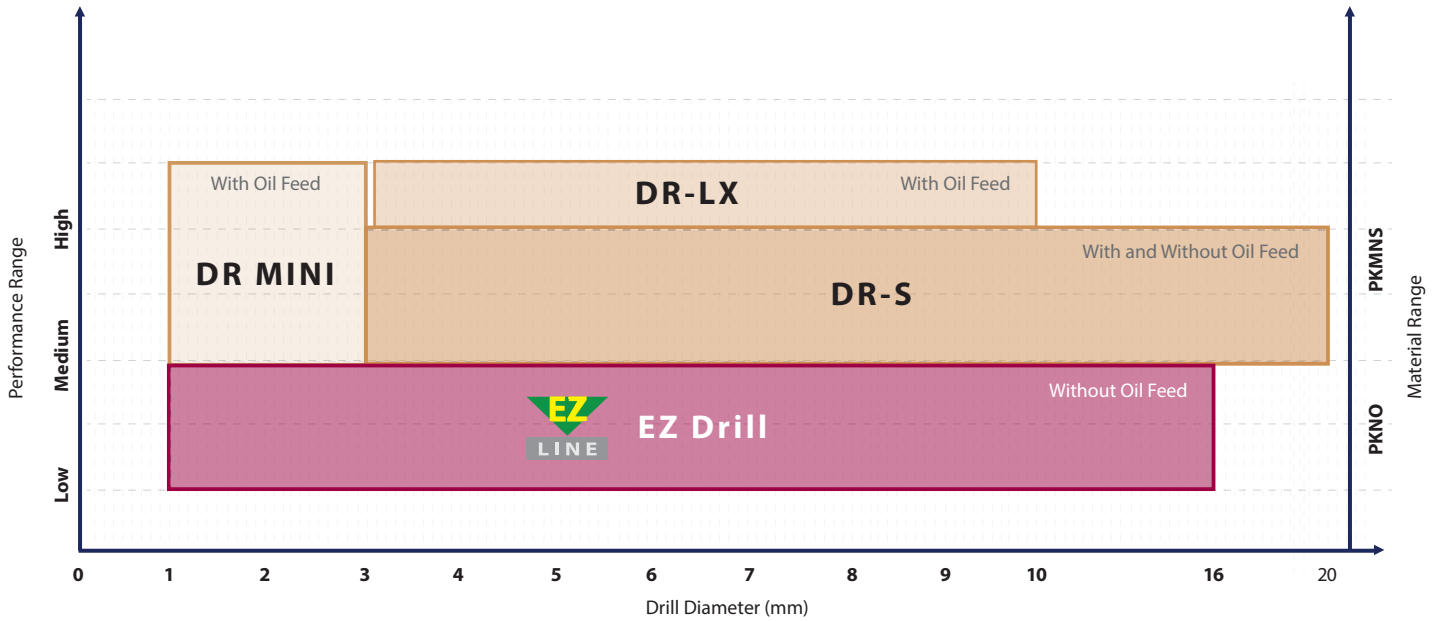
Obsoleted Listing

Type	EZ Endmills	Type	SE 30 / NiTico 30
DP/DH	C76	HA	802
		HA	820
		HA	C32

INTRODUCTION

The EZ Line Drill is the latest in HPMT's all-new economy series, designed for general machining. With a core focus on aggressive value for money proposition, our R&D team has equipped the EZ Line with tried-and-tested features like our edge protection technology for reduced chipping and our special edge treatment for increased tool life.

We hope for end-users to find the EZ Line experience to be accessible and cost-effective; quick and easy.



Obsoleted Listing

Type	EZ Drills	Type	DR 30 / DR 45
3 X D	W16	3 X D	644
		3 X D	958
		3 X D	965
OF 3 X D	-	OF 3 X D	B48
5 X D	W17	5 X D	729
		5 X D	960
		5 X D	B47
OF 5 X D	-	OF 5 X D	967

SQUARE ENDMILLS

01

Gash Land Design

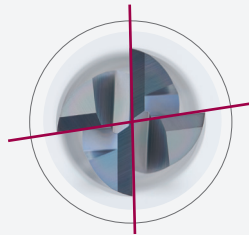
- Reinforce edge protection of the cutting tool corner
- Higher mechanical strength to withstand higher cutting force
- Greater process reliability and longer tool life



02

Differential Pitch (DP) Design

- Provides excellent surface finishing while eliminating chatter
- For chatter free machining and excellent surface finish



03

Differential Helix (DH) Design

- Minimized vibrations and harmonics oscillations during machining
- Excellent in surface finish, chatter free and wall straightness
- Increases tool life and productivity performance



04

Suitable for material groups :



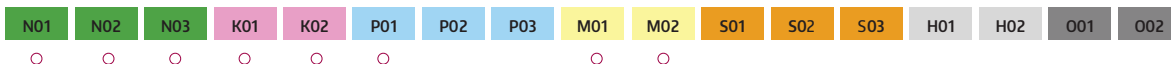


Order Number	Dimension (mm)					C76
	D	l1	l2	L	d2(h6)	G6110
C76 0100 040 03	1	3		40	3	•
C76 0150 040 03	1.5	4.5		40	3	•
C76 0200 040 03	2	6.5		40	3	•
C76 0250 040 03	2.5	6.5		40	3	•
C76 0300	3	9		40	3	•
C76 0400	4	12		50	4	•
C76 0500	5	15		50	5	•
C76 0600 060	6	16		60	6	•
C76 0800	8	20		64	8	•
C76 1000	10	22		75	10	•
C76 1200	12	25		75	12	•
C76 1400	14	32		90	14	•
C76 1600	16	32		90	16	•
C76 1800	18	38		100	18	•
C76 2000	20	38		100	20	•
C76 2500	25	40		100	25	○

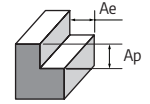
• Ex Stock	ab Lager	De Stock	Da Magazzino	有库存
○ Upon Request	auf Anfrage	à la demande	Su ordinazione	无库存

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

Cutting Parameter

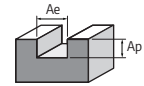


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DP/DH Endmills, 4 Flutes - C76

Side Milling	P01		P02		M01		K01		N01		N02		N03				
Working Material	Carbon Steel		Alloy steel		Stainless Steel		Grey Cast Iron		Wrought Aluminium		Cast Aluminium		Copper Alloy				
Properties	-		520 < Rm < 1200		High Machinability		-		Si < 9%		Si ≥ 9%		-				
Cutting Depth, Ap (mm)	1.00 × D		1.00 × D		1.00 × D		1.00 × D		1.00 × D		1.00 × D		1.00 × D				
Cutting Width, Ae (mm)	0.25 × D		0.20 × D		0.18 × D		0.25 × D		0.30 × D		0.30 × D		0.30 × D				
D (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)			
1	165	0.003	130	0.003	110	0.003	140	0.004	275	0.005	240	0.004	200	0.003			
2		0.007		0.007				0.007						0.008	0.010	0.009	0.007
3		0.012		0.011				0.012						0.013	0.016	0.014	0.012
4		0.016		0.015				0.016						0.017	0.021	0.019	0.017
5		0.021		0.020				0.021						0.023	0.027	0.025	0.022
6		0.027		0.025				0.026						0.028	0.033	0.031	0.028
8		0.039		0.036				0.038						0.040	0.046	0.044	0.042
10		0.053		0.047				0.051						0.053	0.060	0.058	0.057
12		0.069		0.060				0.065						0.066	0.075	0.074	0.074
14		0.078		0.068				0.073						0.076	0.086	0.084	0.083
16		0.085		0.076				0.080						0.085	0.096	0.093	0.091
18		0.090		0.083				0.086						0.092	0.106	0.101	0.097
20		0.095		0.088				0.093						0.099	0.115	0.108	0.103
22		0.099		0.093				0.097						0.105	0.123	0.114	0.108
25		0.103		0.099				0.104						0.113	0.134	0.122	0.110



DP/DH Endmills, 4 Flutes - C76

Slotting	P01		P02		M01		K01		N01		N02		N03				
Working Material	Carbon Steel		Alloy steel		Stainless Steel		Grey Cast Iron		Wrought Aluminium		Cast Aluminium		Copper Alloy				
Properties	-		520 < Rm < 1200		High Machinability		-		Si < 9%		Si ≥ 9%		-				
Cutting Depth, Ap (mm)	1.00 × D		1.00 × D		0.80 × D		1.00 × D		1.00 × D		1.00 × D		1.00 × D				
Cutting Width, Ae (mm)	1.00 × D		1.00 × D		1.00 × D		1.00 × D		1.00 × D		1.00 × D		1.00 × D				
D (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)	Vc (m/min)	Fz (mm)			
1	135	0.002	120	0.002	100	0.001	110	0.002	220	0.005	200	0.004	165	0.003			
2		0.006		0.004				0.003						0.006	0.008	0.008	0.008
3		0.011		0.006				0.006						0.011	0.013	0.013	0.013
4		0.015		0.009				0.009						0.015	0.018	0.018	0.017
5		0.020		0.013				0.012						0.021	0.023	0.023	0.023
6		0.026		0.017				0.016						0.027	0.029	0.028	0.028
8		0.038		0.027				0.026						0.041	0.042	0.040	0.041
10		0.053		0.038				0.037						0.056	0.056	0.053	0.055
12		0.069		0.051				0.048						0.075	0.072	0.066	0.070
14		0.077		0.055				0.053						0.084	0.081	0.076	0.079
16		0.084		0.059				0.057						0.091	0.090	0.084	0.087
18		0.090		0.061				0.060						0.095	0.097	0.092	0.093
20		0.093		0.063				0.062						0.099	0.104	0.099	0.098
22		0.096		0.064				0.062						0.101	0.109	0.106	0.103
25		0.097		0.063				0.062						0.102	0.116	0.113	0.108



01

Chisel design

- Firmly engage the surface for self centering capability
- Reduces thrust load improving bite performance especially for thick K-value

02

C flute shape

- Improved chip evacuation rate to avoid chip jamming
- Chip ejection is improved during machining by chip pocket design
- Prevent breakage with high stiff-ness design
- Improved cooling and increases flow rate and flow velocity of corners and thinning

03

Effective clearance and gashing

- Lower cutting forces
- Improve chip formation and control

04

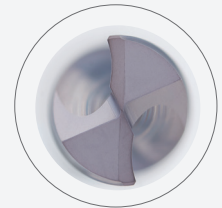
Corner Edge Chamfer

- Reduce burr formation during through hole machining
- Adds protection during the drilling process

05

Corner chamfer on point design

- Reduce burr formation during through hole machining



06

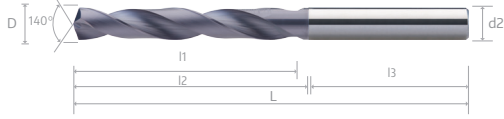
Suitable for material groups :



W16 EZ TWIST DRILLS - DIN 6537K - 3 x Ø , 2 FLUTES



W16



Order Number	Dimension (mm)							W16	T8090	Order Number	Dimension (mm)							W16	T8090
	D	l1	l2	l3	L	d2(h6)	D				l1	l2	l3	L	d2(h6)				
W16 0100	1	7		33	45	3	•	W16 0620	6.2	34		36	79	8	•				
W16 0110	1.1			33	45	3	•	W16 0630	6.3			36	79	8	•				
W16 0120	1.2			33	45	3	•	W16 0640	6.4			36	79	8	○				
W16 0130	1.3			33	45	3	•	W16 0650	6.5			36	79	8	•				
W16 0140	1.4			33	45	3	•	W16 0660	6.6			36	79	8	•				
W16 0150	1.5			35	50	3	•	W16 0670	6.7			36	79	8	•				
W16 0160	1.6			35	50	3	•	W16 0680	6.8			36	79	8	•				
W16 0170	1.7	14		35	50	3	•	W16 0690	6.9		36	79	8	•					
W16 0180	1.8			35	50	3	•	W16 0700	7		36	79	8	•					
W16 0190	1.9			35	50	3	•	W16 0710	7.1		36	79	8	○					
W16 0200	2			36	55	4	•	W16 0720	7.2		36	79	8	○					
W16 0210	2.1			36	55	4	•	W16 0730	7.3		36	79	8	○					
W16 0220	2.2			36	55	4	•	W16 0740	7.4		36	79	8	○					
W16 0230	2.3			36	55	4	•	W16 0750	7.5	41		36	79	8	•				
W16 0240	2.4		36	55	4	•	W16 0760	7.6			36	79	8	•					
W16 0250	2.5		36	55	4	•	W16 0770	7.7			36	79	8	○					
W16 0260	2.6		36	55	4	•	W16 0780	7.8			36	79	8	•					
W16 0270	2.7		36	55	4	•	W16 0790	7.9			36	79	8	•					
W16 0280	2.8	20		36	55	4	•	W16 0800	8			36	79	8	•				
W16 0290	2.9			36	55	4	•	W16 0810	8.1			40	89	10	•				
W16 0300	3			36	62	6	•	W16 0820	8.2		40	89	10	•					
W16 0310	3.1			36	62	6	•	W16 0830	8.3		40	89	10	•					
W16 0320	3.2			36	62	6	•	W16 0840	8.4		40	89	10	○					
W16 0330	3.3			36	62	6	•	W16 0850	8.5		40	89	10	•					
W16 0340	3.4			36	62	6	•	W16 0860	8.6		40	89	10	○					
W16 0350	3.5		36	62	6	•	W16 0870	8.7		40	89	10	○						
W16 0360	3.6		36	62	6	•	W16 0880	8.8		40	89	10	○						
W16 0370	3.7		36	62	6	•	W16 0890	8.9		40	89	10	○						
W16 0380	3.8		36	66	6	•	W16 0900	9	47		40	89	10	•					
W16 0390	3.9		36	66	6	•	W16 0910	9.1			40	89	10	○					
W16 0400	4		36	66	6	•	W16 0920	9.2			40	89	10	○					
W16 0410	4.1		36	66	6	•	W16 0930	9.3			40	89	10	○					
W16 0420	4.2	24		36	66	6	•	W16 0940		9.4		40	89	10	○				
W16 0430	4.3			36	66	6	•	W16 0950		9.5		40	89	10	○				
W16 0440	4.4			36	66	6	•	W16 0960		9.6		40	89	10	○				
W16 0450	4.5			36	66	6	•	W16 0970	9.7		40	89	10	○					
W16 0460	4.6			36	66	6	•	W16 0980	9.8		40	89	10	•					
W16 0470	4.7			36	66	6	•	W16 0990	9.9		40	89	10	○					
W16 0480	4.8			36	66	6	•	W16 1000	10		40	89	10	•					
W16 0490	4.9		36	66	6	•	W16 1010	10.1		45	102	12	○						
W16 0500	5		36	66	6	•	W16 1020	10.2		45	102	12	•						
W16 0510	5.1		36	66	6	•	W16 1030	10.3		45	102	12	○						
W16 0520	5.2	28		36	66	6	•	W16 1040	10.4		45	102	12	○					
W16 0530	5.3			36	66	6	•	W16 1050	10.5		45	102	12	•					
W16 0540	5.4			36	66	6	•	W16 1060	10.6		45	102	12	○					
W16 0550	5.5			36	66	6	•	W16 1070	10.7		45	102	12	○					
W16 0560	5.6			36	66	6	•	W16 1080	10.8		45	102	12	○					
W16 0570	5.7			36	66	6	•	W16 1090	10.9		45	102	12	○					
W16 0580	5.8			36	66	6	•	W16 1100	11		45	102	12	•					
W16 0590	5.9		36	66	6	•	W16 1110	11.1		45	102	12	○						
W16 0600	6		36	66	6	•	W16 1120	11.2		45	102	12	○						
W16 0610	6.1	34		36	79	8	•	W16 1130	11.3		45	102	12	○					

cont'd ►

• Ex Stock	ab Lager	De Stock	Da Magazzino	有存库
○ Upon Request	auf Anfrage	à la demande	Su ordinazione	无存库

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

Cutting Parameter

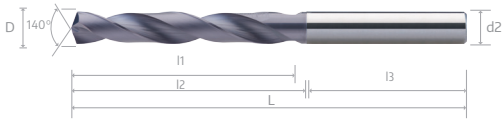
N01
 N02
 N03
 K01
 K02
 P01
 P02
 P03
 M01
 M02
 S01
 S02
 S03
 H01
 H02
 O01
 O02

14

W16 EZ TWIST DRILLS - DIN 6537K - 3 x Ø , 2 FLUTES



W16



Order Number	Dimension (mm)						W16	
	D	I1	I2	I3	L	d2(h6)	T8090	
W16 1140	11.4	55		45	102	12	○	
W16 1150	11.5			45	102	12	○	
W16 1160	11.6			45	102	12	○	
W16 1170	11.7			45	102	12	○	
W16 1180	11.8			45	102	12	○	
W16 1190	11.9		45	102	12	○		
W16 1200	12		45	102	12	●		
W16 1220	12.2	60		45	107	14	○	
W16 1250	12.5			45	107	14	●	
W16 1270	12.7			45	107	14	○	
W16 1280	12.8			45	107	14	○	
W16 1300	13			45	107	14	○	
W16 1350	13.5	65		45	107	14	○	
W16 1370	13.7			45	107	14	○	
W16 1380	13.8			45	107	14	○	
W16 1400	14			45	107	14	○	
W16 1420	14.2			48	115	16	○	
W16 1450	14.5	65		48	115	16	○	
W16 1480	14.8			48	115	16	○	
W16 1500	15			48	115	16	○	
W16 1550	15.5			48	115	16	○	
W16 1580	15.8			48	115	16	○	
W16 1600	16		48	115	16	○		

Order Number	Dimension (mm)						W16	
	D	I1	I2	I3	L	d2(h6)	T8090	

● Ex Stock	ab Lager	De Stock	Da Magazzino	有存库
○ Upon Request	auf Anfrage	à la demande	Su ordinazione	无存库

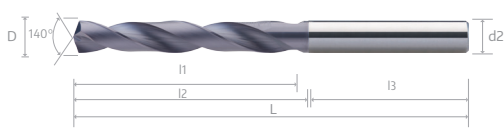
Material Group | Material-Gruppe | Groupe Matière | Gruppo Materiali | 材质主类

Cutting Parameter

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

14

W17



Order Number	Dimension (mm)							W17	T8090	Order Number	Dimension (mm)							W17	T8090
	D	l1	l2	l3	L	d2(h6)	D				l1	l2	l3	L	d2(h6)				
W17 0100	1	8		33	55	3	•	W17 0620	6.2			36	91	8	○				
W17 0110	1.1			33	55	3	○	W17 0630	6.3			36	91	8	○				
W17 0120	1.2			33	55	3	•	W17 0640	6.4			36	91	8	○				
W17 0130	1.3			33	55	3	○	W17 0650	6.5			36	91	8	○				
W17 0140	1.4			33	55	3	○	W17 0660	6.6			36	91	8	○				
W17 0150	1.5			35	55	3	•	W17 0670	6.7			36	91	8	○				
W17 0160	1.6			35	55	3	○	W17 0680	6.8			36	91	8	•				
W17 0170	1.7			35	55	3	•	W17 0690	6.9			36	91	8	○				
W17 0180	1.8			35	55	3	•	W17 0700	7			36	91	8	○				
W17 0190	1.9			35	55	3	○	W17 0710	7.1			36	91	8	○				
W17 0200	2			36	57	4	•	W17 0720	7.2			36	91	8	○				
W17 0210	2.1			36	57	4	•	W17 0730	7.3			36	91	8	○				
W17 0220	2.2			36	57	4	○	W17 0740	7.4			36	91	8	○				
W17 0230	2.3			36	57	4	•	W17 0750	7.5			36	91	8	○				
W17 0240	2.4			36	57	4	○	W17 0760	7.6			36	91	8	○				
W17 0250	2.5			36	57	4	•	W17 0770	7.7			36	91	8	○				
W17 0260	2.6			36	57	4	•	W17 0780	7.8			36	91	8	○				
W17 0270	2.7			36	57	4	•	W17 0790	7.9			36	91	8	○				
W17 0280	2.8			36	57	4	○	W17 0800	8			36	91	8	○				
W17 0290	2.9			36	57	4	○	W17 0810	8.1			40	103	10	○				
W17 0300	3			36	66	6	•	W17 0820	8.2			40	103	10	○				
W17 0310	3.1			36	66	6	•	W17 0830	8.3			40	103	10	○				
W17 0320	3.2			36	66	6	•	W17 0840	8.4			40	103	10	○				
W17 0330	3.3			36	66	6	•	W17 0850	8.5			40	103	10	•				
W17 0340	3.4			36	66	6	•	W17 0860	8.6			40	103	10	○				
W17 0350	3.5			36	66	6	○	W17 0870	8.7			40	103	10	○				
W17 0360	3.6			36	66	6	○	W17 0880	8.8			40	103	10	○				
W17 0370	3.7			36	66	6	○	W17 0890	8.9			40	103	10	○				
W17 0380	3.8			36	74	6	○	W17 0900	9			40	103	10	○				
W17 0390	3.9			36	74	6	○	W17 0910	9.1			40	103	10	○				
W17 0400	4			36	74	6	•	W17 0920	9.2			40	103	10	○				
W17 0410	4.1			36	74	6	○	W17 0930	9.3			40	103	10	○				
W17 0420	4.2			36	74	6	•	W17 0940	9.4			40	103	10	○				
W17 0430	4.3			36	74	6	○	W17 0950	9.5			40	103	10	○				
W17 0440	4.4			36	74	6	○	W17 0960	9.6			40	103	10	○				
W17 0450	4.5			36	74	6	•	W17 0970	9.7			40	103	10	○				
W17 0460	4.6			36	74	6	○	W17 0980	9.8			40	103	10	○				
W17 0470	4.7			36	74	6	○	W17 0990	9.9			40	103	10	○				
W17 0480	4.8			36	82	6	•	W17 1000	10			40	103	10	○				
W17 0490	4.9			36	82	6	○	W17 1010	10.1			45	118	12	○				
W17 0500	5			36	82	6	•	W17 1020	10.2			45	118	12	○				
W17 0510	5.1			36	82	6	•	W17 1030	10.3			45	118	12	○				
W17 0520	5.2			36	82	6	•	W17 1040	10.4			45	118	12	○				
W17 0530	5.3			36	82	6	○	W17 1050	10.5			45	118	12	○				
W17 0540	5.4			36	82	6	○	W17 1060	10.6			45	118	12	○				
W17 0550	5.5			36	82	6	○	W17 1070	10.7			45	118	12	○				
W17 0560	5.6			36	82	6	○	W17 1080	10.8			45	118	12	○				
W17 0570	5.7			36	82	6	○	W17 1090	10.9			45	118	12	○				
W17 0580	5.8			36	82	6	•	W17 1100	11			45	118	12	○				
W17 0590	5.9			36	82	6	○	W17 1110	11.1			45	118	12	○				
W17 0600	6			36	82	6	•	W17 1120	11.2			45	118	12	○				
W17 0610	6.1	53		36	91	8	○	W17 1130	11.3			45	118	12	○				

cont'd ▶

● Ex Stock	ab Lager	De Stock	Da Magazzino	有存库
○ Upon Request	auf Anfrage	à la demande	Su ordinazione	无存库

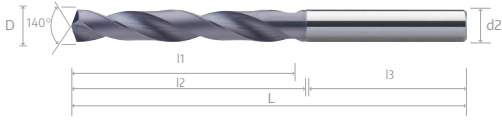
Material Group | Material-Gruppe | Groupe Matière | Gruppo Materiali | 材质主类

Cutting Parameter

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

14

W17



Order Number	Dimension (mm)						W17	
	D	l1	l2	l3	L	d2(h6)	T8090	
W17 1140	11.4	71	71	45	118	12	o	
W17 1150	11.5		71	45	118	12	o	
W17 1160	11.6		71	45	118	12	o	
W17 1170	11.7		71	45	118	12	o	
W17 1180	11.8		71	45	118	12	o	
W17 1190	11.9		71	45	118	12	o	
W17 1200	12		71	45	118	12	o	
W17 1220	12.2		77	77	45	124	14	o
W17 1250	12.5			77	45	124	14	o
W17 1270	12.7			77	45	124	14	o
W17 1280	12.8	77		45	124	14	o	
W17 1300	13	77		45	124	14	o	
W17 1330	13.3	77		45	124	14	o	
W17 1350	13.5	77		45	124	14	o	
W17 1370	13.7	77		45	124	14	o	
W17 1380	13.8	77		45	124	14	o	
W17 1400	14	77		45	124	14	o	
W17 1420	14.2	83	83	48	133	16	o	
W17 1450	14.5		83	48	133	16	o	
W17 1480	14.8		83	48	133	16	o	
W17 1500	15		83	48	133	16	o	
W17 1510	15.1		83	48	133	16	o	
W17 1530	15.3		83	48	133	16	o	
W17 1550	15.5		83	48	133	16	o	
W17 1580	15.8		83	48	133	16	o	
W17 1600	16		83	48	133	16	o	

Order Number	Dimension (mm)						W17	
	D	l1	l2	l3	L	d2(h6)	T8090	

● Ex Stock	ab Lager	De Stock	Da Magazzino	有库存
○ Upon Request	auf Anfrage	à la demande	Su ordinazione	无库存

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

Cutting Parameter

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

14

Twist Drills , 2 Flute - W16, W17

Drilling	P01		P02		P03		K01		K02		N01		N02		N03	
Working Material	Carbon Steel		Alloy Steel		Prehardened Steel		Grey Cast iron		Ductile Cast Iron		Wrought Aluminium		Cast Aluminium		Copper Alloy	
Properties	-		520 < Rm < 1200		35 ≤ HRC < 45		-		-		-		520 < Rm < 1200		35 ≤ HRC < 45	
D (mm)	Vc (m/min)	fn (mm/rev)	Vc (m/min)	fn (mm/rev)	Vc (m/min)	fn (mm/rev)	Vc (m/min)	fn (mm/rev)	Vc (m/min)	fn (mm/rev)	Vc (m/min)	fn (mm/rev)	Vc (m/min)	fn (mm/rev)	Vc (m/min)	fn (mm/rev)
1	80	0.021	65	0.015	35	0.016	75	0.020	60	0.012	150	0.019	130	0.018	100	0.018
2		0.043		0.032		0.032		0.042		0.025		0.040		0.038		0.038
3		0.068		0.051		0.050		0.064		0.039		0.062		0.060		0.060
4		0.094		0.069		0.068		0.088		0.056		0.085		0.083		0.083
5		0.122		0.088		0.083		0.115		0.074		0.110		0.107		0.108
6		0.149		0.109		0.105		0.140		0.094		0.138		0.133		0.131
7		0.178		0.130		0.125		0.166		0.114		0.165		0.158		0.161
8		0.216		0.154		0.150		0.200		0.142		0.195		0.190		0.190
9		0.245		0.178		0.162		0.226		0.159		0.224		0.222		0.219
10		0.281		0.200		0.183		0.263		0.185		0.260		0.250		0.253
11		0.313		0.226		0.200		0.295		0.217		0.293		0.284		0.290
12		0.355		0.250		0.230		0.330		0.250		0.333		0.320		0.322
13		0.380		0.275		0.244		0.342		0.260		0.349		0.341		0.336
14		0.395		0.287		0.275		0.350		0.271		0.360		0.353		0.357
15		0.435		0.307		0.275		0.381		0.285		0.384		0.371		0.364
16		0.450		0.323		0.300		0.393		0.300		0.400		0.388		0.385



Recommended Cutting Data

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

Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 053515**

Certificate Holder:



HPMT Industries Sdn. Bhd.

No. 5, Jalan Sungai Kayu Ara 32/39, Taman Berjaya,
Seksyen 32, Shah Alam, Selangor Darul Ehsan, Malaysia

Scope:

Manufacturing of Standard and Custom-made Metal Removing
Cutting Tools

Proof has been furnished by means of an audit that the
requirements of ISO 9001:2015 are met.

Validity:

The certificate is valid from 2021-08-15 until 2022-02-14.
First certification 2005

2021-08-16

A handwritten signature in blue ink, appearing to read 'K. J. J.', positioned above a horizontal line.

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln



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