



Series

301



Tool material

HSS-E-PM

Coating



Shank form

Cyl.

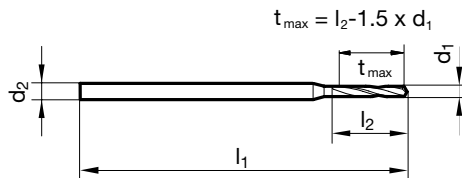
Material		Suitability
P	Steel	●
M	Stainless steel	●
K	Cast iron	●
N	Aluminum	●
S	Ni / Ti alloys	○
H	Hardened steel	

●=Optimal ○=Secondary

• facet point grind • with re-inforced shank
• < Ø 0.15 mm Co-alloyed high speed steel

structural and case hardened steels • free-cutting steels, heat-treatable steels • alloyed steels up to 1200 N/mm² • stainless steels • cast materials

Operating parameters pg. 41



Diameter (d1)				d2 h6	l1	t _{max}	l2	Code no.	EDP Number
dec. inch	fract. in.	wire/ltr	mm	mm	mm	mm	mm		
0.0020			0.050	1.00	25.00	0.33	0.40	0.050	9003010000500
0.0024			0.060	1.00	25.00	0.31	0.40	0.060	9003010000600
0.0028			0.070	1.00	25.00	0.40	0.50	0.070	9003010000700
0.0030			0.075	1.00	25.00	0.39	0.50	0.075	9003010000750
0.0031			0.080	1.00	25.00	0.38	0.50	0.080	9003010000800
0.0035			0.090	1.00	25.00	0.37	0.50	0.090	9003010000900
0.0039			0.100	1.00	25.00	0.35	0.50	0.100	9003010001000
0.0041			0.105	1.00	25.00	0.34	0.50	0.105	9003010001050
0.0043			0.110	1.00	25.00	0.34	0.50	0.110	9003010001100
0.0045			0.115	1.00	25.00	0.33	0.50	0.115	9003010001150
0.0047			0.120	1.00	25.00	0.32	0.50	0.120	9003010001200
0.0049			0.125	1.00	25.00	0.61	0.80	0.125	9003010001250
0.0050			0.128	1.00	25.00	0.61	0.80	0.128	9003010001280
0.0051			0.130	1.00	25.00	0.61	0.80	0.130	9003010001300
0.0055			0.140	1.00	25.00	0.59	0.80	0.140	9003010001400
0.0056			0.143	1.00	25.00	0.59	0.80	0.143	9003010001430
0.0057			0.145	1.00	25.00	0.58	0.80	0.145	9003010001450
0.0058			0.147	1.00	25.00	0.58	0.80	0.147	9003010001470
0.0059		#97	0.150	1.00	25.00	0.58	0.80	0.150	9003010001500
0.0061			0.155	1.00	25.00	0.87	1.10	0.155	9003010001550
0.0063		#96	0.160	1.00	25.00	0.86	1.10	0.160	9003010001600
0.0067		#95	0.170	1.00	25.00	0.85	1.10	0.170	9003010001700
0.0069			0.175	1.00	25.00	0.84	1.10	0.175	9003010001750
0.0071		#94	0.180	1.00	25.00	0.83	1.10	0.180	9003010001800
0.0075		#93	0.190	1.00	25.00	0.82	1.10	0.190	9003010001900
0.0077			0.195	1.00	25.00	1.21	1.50	0.195	9003010001950
0.0079		#92	0.200	1.00	25.00	1.20	1.50	0.200	9003010002000
0.0081			0.205	1.00	25.00	1.19	1.50	0.205	9003010002050
0.0083		#91	0.210	1.00	25.00	1.19	1.50	0.210	9003010002100
0.0087		#90	0.220	1.00	25.00	1.17	1.50	0.220	9003010002200
0.0089			0.225	1.00	25.00	1.16	1.50	0.225	9003010002250
0.0091		#89	0.230	1.00	25.00	1.16	1.50	0.230	9003010002300
0.0093			0.235	1.00	25.00	1.15	1.50	0.235	9003010002350
0.0094		#88	0.240	1.00	25.00	1.14	1.50	0.240	9003010002400
0.0096			0.245	1.00	25.00	1.53	1.90	0.245	9003010002450



Diameter (d1)				d2 h6	l1	t _{max}	l2	Code no.	EDP Number
dec. inch	fract. in.	wire/ltr	mm	mm	mm	mm	mm		
0.0098		#87	0.250	1.00	25.00	1.53	1.90	0.250	9003010002500
0.0100			0.255	1.00	25.00	1.52	1.90	0.255	9003010002550
0.0102			0.260	1.00	25.00	1.51	1.90	0.260	9003010002600
0.0104			0.265	1.00	25.00	1.50	1.90	0.265	9003010002650
0.0106		#86	0.270	1.00	25.00	1.50	1.90	0.270	9003010002700
0.0108			0.275	1.00	25.00	1.49	1.90	0.275	9003010002750
0.0110		#85	0.280	1.00	25.00	1.48	1.90	0.280	9003010002800
0.0114		#84	0.290	1.00	25.00	1.47	1.90	0.290	9003010002900
0.0116			0.295	1.00	25.00	1.46	1.90	0.295	9003010002950
0.0118			0.300	1.00	25.00	1.45	1.90	0.300	9003010003000
0.0120			0.305	1.00	25.00	1.94	2.40	0.305	9003010003050
0.0122		#83	0.310	1.00	25.00	1.94	2.40	0.310	9003010003100
0.0124			0.315	1.00	25.00	1.93	2.40	0.315	9003010003150
0.0126		#82	0.320	1.00	25.00	1.92	2.40	0.320	9003010003200
0.0128			0.325	1.00	25.00	1.91	2.40	0.325	9003010003250
0.0130		#81	0.330	1.00	25.00	1.91	2.40	0.330	9003010003300
0.0134		#80	0.340	1.00	25.00	1.89	2.40	0.340	9003010003400
0.0136			0.345	1.00	25.00	1.88	2.40	0.345	9003010003450
0.0138			0.350	1.00	25.00	1.88	2.40	0.350	9003010003500
0.0140			0.355	1.00	25.00	1.87	2.40	0.355	9003010003550
0.0142			0.360	1.00	25.00	1.86	2.40	0.360	9003010003600
0.0144			0.365	1.00	25.00	1.85	2.40	0.365	9003010003650
0.0146		#79	0.370	1.00	25.00	1.85	2.40	0.370	9003010003700
0.0148			0.375	1.00	25.00	1.84	2.40	0.375	9003010003750
0.0150			0.380	1.00	25.00	1.83	2.40	0.380	9003010003800
0.0152			0.385	1.00	25.00	2.42	3.00	0.385	9003010003850
0.0154			0.390	1.00	25.00	2.42	3.00	0.390	9003010003900
0.0157	1/64		0.400	1.00	25.00	2.40	3.00	0.400	9003010004000
0.0159			0.405	1.00	25.00	2.39	3.00	0.405	9003010004050
0.0161		#78	0.410	1.00	25.00	2.39	3.00	0.410	9003010004100
0.0163			0.415	1.00	25.00	2.38	3.00	0.415	9003010004150
0.0165			0.420	1.00	25.00	2.37	3.00	0.420	9003010004200
0.0167			0.425	1.00	25.00	2.36	3.00	0.425	9003010004250
0.0169			0.430	1.00	25.00	2.36	3.00	0.430	9003010004300
0.0170			0.432	1.00	25.00	2.35	3.00	0.432	9003010004320
0.0173			0.440	1.00	25.00	2.34	3.00	0.440	9003010004400
0.0175			0.445	1.00	25.00	2.33	3.00	0.445	9003010004450
0.0177			0.450	1.00	25.00	2.33	3.00	0.450	9003010004500
0.0181		#77	0.460	1.00	25.00	2.31	3.00	0.460	9003010004600
0.0185			0.470	1.00	25.00	2.30	3.00	0.470	9003010004700
0.0187			0.475	1.00	25.00	2.29	3.00	0.475	9003010004750
0.0189			0.480	1.00	25.00	2.28	3.00	0.480	9003010004800
0.0191			0.485	1.00	25.00	2.67	3.40	0.485	9003010004850
0.0193			0.490	1.00	25.00	2.67	3.40	0.490	9003010004900
0.0195			0.495	1.00	25.00	2.66	3.40	0.495	9003010004950
0.0197			0.500	1.00	25.00	2.65	3.40	0.500	9003010005000
0.0199			0.505	1.00	25.00	2.64	3.40	0.505	9003010005050
0.0201		#76	0.510	1.00	25.00	2.64	3.40	0.510	9003010005100
0.0203			0.515	1.00	25.00	2.63	3.40	0.515	9003010005150
0.0205			0.520	1.00	25.00	2.62	3.40	0.520	9003010005200
0.0207			0.525	1.00	25.00	2.61	3.40	0.525	9003010005250
0.0209		#75	0.530	1.00	25.00	2.61	3.40	0.530	9003010005300
0.0211			0.535	1.00	25.00	3.10	3.90	0.535	9003010005350
0.0213			0.540	1.00	25.00	3.09	3.90	0.540	9003010005400
0.0215			0.545	1.00	25.00	3.08	3.90	0.545	9003010005450
0.0217			0.550	1.00	25.00	3.08	3.90	0.550	9003010005500



Diameter (d1)				d2 h6	l1	t _{max}	l2	Code no.	EDP Number
dec. inch	fract. in.	wire/ltr	mm	mm	mm	mm	mm		
0.0220			0.560	1.00	25.00	3.06	3.90	0.560	9003010005600
0.0224		#74	0.570	1.00	25.00	3.05	3.90	0.570	9003010005700
0.0228			0.580	1.00	25.00	3.03	3.90	0.580	9003010005800
0.0230			0.585	1.00	25.00	3.02	3.90	0.585	9003010005850
0.0232			0.590	1.00	25.00	3.02	3.90	0.590	9003010005900
0.0234			0.595	1.00	25.00	3.01	3.90	0.595	9003010005950
0.0236			0.600	1.00	25.00	3.00	3.90	0.600	9003010006000
0.0238			0.605	1.00	25.00	3.29	4.20	0.605	9003010006050
0.0240		#73	0.610	1.00	25.00	3.29	4.20	0.610	9003010006100
0.0242			0.615	1.00	25.00	3.28	4.20	0.615	9003010006150
0.0244			0.620	1.00	25.00	3.27	4.20	0.620	9003010006200
0.0246			0.625	1.00	25.00	3.26	4.20	0.625	9003010006250
0.0248			0.630	1.00	25.00	3.26	4.20	0.630	9003010006300
0.0249			0.632	1.00	25.00	3.25	4.20	0.632	9003010006320
0.0252		#72	0.640	1.00	25.00	3.24	4.20	0.640	9003010006400
0.0256			0.650	1.00	25.00	3.23	4.20	0.650	9003010006500
0.0258			0.655	1.00	25.00	3.22	4.20	0.655	9003010006550
0.0260		#71	0.660	1.00	25.00	3.21	4.20	0.660	9003010006600
0.0262			0.665	1.00	25.00	3.20	4.20	0.665	9003010006650
0.0264			0.670	1.00	25.00	3.20	4.20	0.670	9003010006700
0.0266			0.675	1.00	25.00	3.79	4.80	0.675	9003010006750
0.0268			0.680	1.00	25.00	3.78	4.80	0.680	9003010006800
0.0272			0.690	1.00	25.00	3.77	4.80	0.690	9003010006900
0.0276			0.700	1.00	25.00	3.75	4.80	0.700	9003010007000
0.0278			0.705	1.00	25.00	3.74	4.80	0.705	9003010007050
0.0280		#70	0.710	1.00	25.00	3.74	4.80	0.710	9003010007100
0.0283			0.720	1.00	25.00	3.72	4.80	0.720	9003010007200
0.0285			0.725	1.00	25.00	3.71	4.80	0.725	9003010007250
0.0287			0.730	1.00	25.00	3.71	4.80	0.730	9003010007300
0.0291		#69	0.740	1.00	25.00	3.69	4.80	0.740	9003010007400
0.0295			0.750	1.00	25.00	3.68	4.80	0.750	9003010007500
0.0299			0.760	1.00	25.00	4.16	5.30	0.760	9003010007600
0.0303			0.770	1.00	25.00	4.15	5.30	0.770	9003010007700
0.0307			0.780	1.00	25.00	4.13	5.30	0.780	9003010007800
0.0311	1/32	#68	0.790	1.00	25.00	4.12	5.30	0.790	9003010007900
0.0313			0.795	1.50	25.00	4.11	5.30	0.795	9003010007950
0.0315			0.800	1.50	25.00	4.10	5.30	0.800	9003010008000
0.0319		#67	0.810	1.50	25.00	4.09	5.30	0.810	9003010008100
0.0323			0.820	1.50	25.00	4.07	5.30	0.820	9003010008200
0.0327			0.830	1.50	25.00	4.06	5.30	0.830	9003010008300
0.0331		#66	0.840	1.50	25.00	4.04	5.30	0.840	9003010008400
0.0335			0.850	1.50	25.00	4.03	5.30	0.850	9003010008500
0.0339			0.860	1.50	25.00	4.71	6.00	0.860	9003010008600
0.0343			0.870	1.50	25.00	4.70	6.00	0.870	9003010008700
0.0346			0.880	1.50	25.00	4.68	6.00	0.880	9003010008800
0.0350		#65	0.890	1.50	25.00	4.67	6.00	0.890	9003010008900
0.0354			0.900	1.50	25.00	4.65	6.00	0.900	9003010009000
0.0358		#64	0.910	1.50	25.00	4.64	6.00	0.910	9003010009100
0.0362			0.920	1.50	25.00	4.62	6.00	0.920	9003010009200
0.0364			0.925	1.50	25.00	4.61	6.00	0.925	9003010009250
0.0366			0.930	1.50	25.00	4.61	6.00	0.930	9003010009300
0.0370		#63	0.940	1.50	25.00	4.59	6.00	0.940	9003010009400
0.0374			0.950	1.50	25.00	4.58	6.00	0.950	9003010009500
0.0378			0.960	1.50	25.00	5.36	6.80	0.960	9003010009600
0.0382		#62	0.970	1.50	25.00	5.35	6.80	0.970	9003010009700
0.0386			0.980	1.50	25.00	5.33	6.80	0.980	9003010009800



Diameter (d1)				d2 h6	l1	t _{max}	l2	Code no.	EDP Number
dec. inch	fract. in.	wire/ltr	mm	mm	mm	mm	mm		
0.0390		#61	0.990	1.50	25.00	5.32	6.80	0.990	900301009900
0.0394			1.000	1.50	25.00	5.30	6.80	1.000	9003010010000
0.0398			1.010	1.50	25.00	5.29	6.80	1.010	9003010010100
0.0402		#60	1.020	1.50	25.00	5.27	6.80	1.020	9003010010200
0.0406			1.030	1.50	25.00	5.26	6.80	1.030	9003010010300
0.0409		#59	1.040	1.50	25.00	5.24	6.80	1.040	9003010010400
0.0413			1.050	1.50	25.00	5.23	6.80	1.050	9003010010500
0.0415			1.055	1.50	25.00	5.22	6.80	1.055	9003010010550
0.0417			1.060	1.50	25.00	5.21	6.80	1.060	9003010010600
0.0421		#58	1.070	1.50	25.00	6.00	7.60	1.070	9003010010700
0.0425			1.080	1.50	25.00	5.98	7.60	1.080	9003010010800
0.0429		#57	1.090	1.50	25.00	5.97	7.60	1.090	9003010010900
0.0433			1.100	1.50	25.00	5.95	7.60	1.100	9003010011000
0.0437			1.110	1.50	25.00	5.94	7.60	1.110	9003010011100
0.0441			1.120	1.50	25.00	5.92	7.60	1.120	9003010011200
0.0445			1.130	1.50	25.00	5.91	7.60	1.130	9003010011300
0.0449			1.140	1.50	25.00	5.89	7.60	1.140	9003010011400
0.0453			1.150	1.50	25.00	5.88	7.60	1.150	9003010011500
0.0457			1.160	1.50	25.00	5.86	7.60	1.160	9003010011600
0.0461			1.170	1.50	25.00	5.85	7.60	1.170	9003010011700
0.0465		#56	1.180	1.50	25.00	5.83	7.60	1.180	9003010011800
0.0469	3/64		1.190	1.50	25.00	6.72	8.50	1.190	9003010011900
0.0472			1.200	1.50	25.00	6.70	8.50	1.200	9003010012000
0.0476			1.210	1.50	25.00	6.69	8.50	1.210	9003010012100
0.0480			1.220	1.50	25.00	6.67	8.50	1.220	9003010012200
0.0484			1.230	1.50	25.00	6.66	8.50	1.230	9003010012300
0.0488			1.240	1.50	25.00	6.64	8.50	1.240	9003010012400
0.0492			1.250	1.50	25.00	6.63	8.50	1.250	9003010012500
0.0496			1.260	1.50	25.00	6.61	8.50	1.260	9003010012600
0.0498			1.265	1.50	25.00	6.60	8.50	1.265	9003010012650
0.0500			1.270	1.50	25.00	6.60	8.50	1.270	9003010012700
0.0504			1.280	1.50	25.00	6.58	8.50	1.280	9003010012800
0.0508			1.290	1.50	25.00	6.57	8.50	1.290	9003010012900
0.0512			1.300	1.50	25.00	6.55	8.50	1.300	9003010013000
0.0516			1.310	1.50	25.00	6.54	8.50	1.310	9003010013100
0.0520		#55	1.320	1.50	25.00	6.52	8.50	1.320	9003010013200
0.0524			1.330	1.50	25.00	7.51	9.50	1.330	9003010013300
0.0528			1.340	1.50	25.00	7.49	9.50	1.340	9003010013400
0.0531			1.350	1.50	25.00	7.48	9.50	1.350	9003010013500
0.0539			1.370	1.50	25.00	7.45	9.50	1.370	9003010013700
0.0543			1.380	1.50	25.00	7.43	9.50	1.380	9003010013800
0.0547			1.390	1.50	25.00	7.42	9.50	1.390	9003010013900
0.0551		#54	1.400	1.50	25.00	7.40	9.50	1.400	9003010014000
0.0555			1.410	1.50	25.00	7.39	9.50	1.410	9003010014100
0.0559			1.420	1.50	25.00	7.37	9.50	1.420	9003010014200
0.0563			1.430	1.50	25.00	7.36	9.50	1.430	9003010014300
0.0567			1.440	1.50	25.00	7.34	9.50	1.440	9003010014400
0.0571			1.450	1.50	25.00	7.33	9.50	1.450	9003010014500
0.0575			1.460	2.00	30.00	7.31	9.50	1.460	9003010014600
0.0579			1.470	2.00	30.00	7.30	9.50	1.470	9003010014700
0.0591			1.500	2.00	30.00	7.25	9.50	1.500	9003010015000
0.0602			1.530	2.00	30.00	8.31	10.60	1.530	9003010015300
0.0610			1.550	2.00	30.00	8.28	10.60	1.550	9003010015500
0.0626	1/16		1.590	2.00	30.00	8.22	10.60	1.590	9003010015900
0.0630			1.600	2.00	30.00	8.20	10.60	1.600	9003010016000
0.0634		#52	1.610	2.00	30.00	8.19	10.60	1.610	9003010016100



Diameter (d1)				d2 h6	l1	t _{max}	l2	Code no.	EDP Number
dec. inch	fract. in.	wire/ltr	mm	mm	mm	mm	mm		
0.0650			1.650	2.00	30.00	8.13	10.60	1.650	9003010016500
0.0669		#51	1.700	2.00	30.00	8.05	10.60	1.700	9003010017000
0.0673			1.710	2.00	30.00	9.24	11.80	1.710	9003010017100
0.0681			1.730	2.00	30.00	9.21	11.80	1.730	9003010017300
0.0687			1.745	2.00	30.00	9.18	11.80	1.745	9003010017450
0.0689			1.750	2.00	30.00	9.18	11.80	1.750	9003010017500
0.0699			1.775	2.00	30.00	9.14	11.80	1.775	9003010017750
0.0709			1.800	2.00	30.00	9.10	11.80	1.800	9003010018000
0.0720			1.830	2.00	30.00	9.06	11.80	1.830	9003010018300
0.0724			1.840	2.00	30.00	9.04	11.80	1.840	9003010018400
0.0728		#49	1.850	2.00	30.00	9.03	11.80	1.850	9003010018500
0.0748			1.900	2.00	30.00	8.95	11.80	1.900	9003010019000
0.0756			1.920	2.00	30.00	10.32	13.20	1.920	9003010019200

MTMH3-Z 2.5xD

HELICAL DRILL/THREAD MILLING INTO SOLID MATERIAL UP TO 66 HRC

The new helical drill/thread milling cutter for high-strength and hardened steels up to 66 HRC combines core hole and thread production in one tool.

The MTMH3-Z guarantees process reliability and true to gauge threads.

