

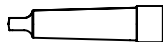
5xD



Steam Oxide



External Coolant



Morse Taper Shank

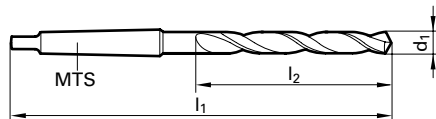
Speeds & Feeds
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Series 345

General Purpose

Cobalt, general purpose (Type N), 118° point, Form A
web thinned all dia., Morse Taper shank, RH helix

Cut / Shank Dia. = h8 tolerance range



Application Materials:



Universal Steels



Hardened Materials

Diameter (d1)			Shank size	l1 mm	l2 mm	EDP #
Dec. inch	Fract. inch	Wire / letter				
0.1181			MTS 1	114.00	33.00	900345003000
0.1575			MTS 1	124.00	43.00	900345004000
0.1969			MTS 1	133.00	52.00	900345005000
0.2042			MTS 1	133.00	52.00	900345005200
0.2165			MTS 1	135.00	57.00	900345005500
0.2362			MTS 1	138.00	52.00	900345006000
0.2441			MTS 1	144.00	63.00	900345006200
0.2500	1/4		MTS 1	144.00	63.00	900345006350
0.2559			MTS 1	144.00	63.00	900345006500
0.2657	17/64	H	MTS 1	150.00	69.00	900345006750
0.2756			MTS 1	150.00	69.00	900345007000
0.3126	5/16		MTS 1	156.00	75.00	900345007940
0.3425			MTS 1	162.00	81.00	900345008700
0.3701			MTS 1	162.00	81.00	900345009400
0.3748	3/8		MTS 1	168.00	87.00	900345009520
0.3906	25/64		MTS 1	168.00	87.00	900345009920
0.3937			MTS 1	168.00	87.00	900345010000
0.3976			MTS 1	168.00	87.00	900345010100
0.4016			MTS 1	168.00	87.00	900345010200
0.4035			MTS 1	168.00	87.00	900345010250
0.4055			MTS 1	168.00	87.00	900345010300
0.4063	13/32		MTS 1	168.00	87.00	900345010320
0.4134			MTS 1	168.00	87.00	900345010500
0.4220	27/64		MTS 1	175.00	94.00	900345010720
0.4232			MTS 1	175.00	94.00	900345010750
0.4252			MTS 1	175.00	94.00	900345010800
0.4331			MTS 1	175.00	94.00	900345011000
0.4374	7/16		MTS 1	175.00	94.00	900345011110
0.4409			MTS 1	175.00	94.00	900345011200
0.4429			MTS 1	175.00	94.00	900345011250
0.4528			MTS 1	175.00	94.00	900345011500
0.4606			MTS 1	175.00	94.00	900345011700
0.4626			MTS 1	175.00	94.00	900345011750
0.4646			MTS 1	175.00	94.00	900345011800
0.4689	15/32		MTS 1	182.00	101.00	900345011910
0.4724			MTS 1	182.00	101.00	900345012000
0.4764			MTS 1	182.00	101.00	900345012100
0.4803			MTS 1	182.00	101.00	900345012200
0.4823			MTS 1	182.00	101.00	900345012250
0.4843	31/64		MTS 1	182.00	101.00	900345012300
0.4921			MTS 1	182.00	101.00	900345012500
0.5000	1/2		MTS 1	182.00	101.00	900345012700
0.5020			MTS 1	182.00	101.00	900345012750
0.5039			MTS 1	182.00	101.00	900345012800
0.5118			MTS 1	182.00	101.00	900345013000
0.5157	33/64		MTS 1	182.00	101.00	900345013100
0.5197			MTS 1	182.00	101.00	900345013200
0.5217			MTS 1	189.00	108.00	900345013250
0.5311	17/32		MTS 1	189.00	108.00	900345013490
0.5315			MTS 1	189.00	108.00	900345013500
0.5354			MTS 1	189.00	108.00	900345013600

Diameter (d1)			Shank size	l1 mm	l2 mm	EDP #
Dec. inch	Fract. inch	Wire / letter				
0.5394			MTS 1	189.00	108.00	900345013700
0.5413			MTS 1	189.00	108.00	900345013750
0.5433			MTS 1	189.00	108.00	900345013800
0.5469	35/64		MTS 1	189.00	108.00	900345013890
0.5512			MTS 1	189.00	108.00	900345014000
0.5551			MTS 2	212.00	114.00	900345014100
0.5591			MTS 2	212.00	114.00	900345014200
0.5610			MTS 2	212.00	114.00	900345014250
0.5626	9/16		MTS 2	212.00	114.00	900345014290
0.5709			MTS 2	212.00	114.00	900345014500
0.5780	37/64		MTS 2	212.00	114.00	900345014680
0.5807			MTS 2	212.00	114.00	900345014750
0.5906			MTS 2	212.00	114.00	900345015000
0.5937	19/32		MTS 2	218.00	120.00	900345015080
0.5984			MTS 2	218.00	120.00	900345015200
0.6004			MTS 2	218.00	120.00	900345015250
0.6102			MTS 2	218.00	120.00	900345015500
0.6201			MTS 2	218.00	120.00	900345015750
0.6248	5/8		MTS 2	218.00	120.00	900345015870
0.6260			MTS 2	218.00	120.00	900345015900
0.6299			MTS 2	218.00	120.00	900345016000
0.6398			MTS 2	223.00	125.00	900345016250
0.6406	41/64		MTS 2	223.00	125.00	900345016270
0.6457			MTS 2	223.00	125.00	900345016400
0.6496			MTS 2	223.00	125.00	900345016500
0.6563	21/32		MTS 2	223.00	125.00	900345016670
0.6594			MTS 2	223.00	125.00	900345016750
0.6693			MTS 2	223.00	125.00	900345017000
0.6720	43/64		MTS 2	228.00	130.00	900345017070
0.6791			MTS 2	228.00	130.00	900345017250
0.6874	11/16		MTS 2	228.00	130.00	900345017460
0.6890			MTS 2	228.00	130.00	900345017500
0.6988			MTS 2	228.00	130.00	900345017750
0.7031	45/64		MTS 2	228.00	130.00	900345017860
0.7087			MTS 2	228.00	130.00	900345018000
0.7185			MTS 2	233.00	135.00	900345018250
0.7189	23/32		MTS 2	233.00	135.00	900345018260
0.7283			MTS 2	233.00	135.00	900345018500
0.7343	47/64		MTS 2	233.00	135.00	900345018650
0.7382			MTS 2	233.00	135.00	900345018750
0.7480			MTS 2	233.00	135.00	900345019000
0.7500	3/4		MTS 2	238.00	140.00	900345019050
0.7579			MTS 2	238.00	140.00	900345019250
0.7657	49/64		MTS 2	238.00	140.00	900345019450
0.7677			MTS 2	238.00	140.00	900345019500
0.7776			MTS 2	238.00	140.00	900345019750
0.7811	25/32		MTS 2	238.00	140.00	900345019840
0.7874			MTS 2	238.00	140.00	900345020000
0.7972			MTS 2	243.00	145.00	900345020250
0.8071			MTS 2	243.00	145.00	900345020500
0.8126	13/16		MTS 2	243.00	145.00	900345020640

Series 345

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Twist Drills

Diameter (d1)			Shank size	l1	l2	EDP #
Dec. inch	Fract. inch	Wire / letter				
0.8169			MTS 2	243.00	145.00	9003450207500
0.8268			MTS 2	243.00	145.00	9003450210000
0.8366			MTS 2	248.00	150.00	9003450212500
0.8465			MTS 2	248.00	150.00	9003450215000
0.8563			MTS 2	248.00	150.00	9003450217500
0.8661			MTS 2	248.00	150.00	9003450220000
0.8748	7/8		MTS 2	248.00	150.00	9003450222200
0.8760			MTS 2	248.00	150.00	9003450222500
0.8858			MTS 2	253.00	155.00	9003450225000
0.9055			MTS 2	253.00	155.00	9003450230000
0.9063	29/32		MTS 2	253.00	155.00	9003450230200
0.9252			MTS 3	276.00	155.00	9003450235000
0.9370			MTS 3	281.00	160.00	9003450238000

Diameter (d1)			Shank size	l1	l2	EDP #
Dec. inch	Fract. inch	Wire / letter				
0.9374	15/16		MTS 3	281.00	160.00	9003450238100
0.9449			MTS 3	281.00	160.00	9003450240000
0.9547			MTS 3	281.00	160.00	9003450242500
0.9646			MTS 3	281.00	160.00	9003450245000
0.9843	63/64		MTS 3	281.00	160.00	9003450250000
0.9941			MTS 3	286.00	165.00	9003450252500
1.0000	1		MTS 3	286.00	165.00	9003450254000

Alternative Drill Series:
#245 HSS, GP, 5xD, 118 pt, Oxide
#654 HSS, GP, 5xD, 118 pt, TiN

10xD



Bright Finish



Coolant Through



Straight Shank

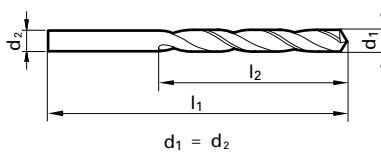
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Series 390

GT100 Coolant Fed Parabolic

HSS, GT 100 deep hole, taper length, 130° point, Form A web thinned all dia., standard straight shank, RH helix

Cut / Shank Dia. = h8 tolerance range



Application Materials:

- General Steels
- Universal Steels
- Cast Iron
- Aluminum & Alloys

Diameter (d1)			l1	l2	EDP #
Dec. inch	Fract. inch	Wire / letter			
0.1181			100.00	66.00	9003900030000
0.1299			106.00	69.00	9003900033000
0.1378			112.00	73.00	9003900035000
0.1575			119.00	78.00	9003900040000
0.1654			119.00	78.00	9003900042000
0.1772	16		126.00	82.00	9003900045000
0.1969			132.00	87.00	9003900050000
0.2165			139.00	91.00	9003900055000
0.2362			139.00	91.00	9003900060000
0.2559			148.00	97.00	9003900065000
0.2677			156.00	102.00	9003900068000
0.2756			156.00	102.00	9003900070000
0.2953			156.00	102.00	9003900075000
0.3150			165.00	109.00	9003900080000
0.3346			165.00	109.00	9003900085000

Diameter (d1)			l1	l2	EDP #
Dec. inch	Fract. inch	Wire / letter			
0.3543			175.00	115.00	9003900090000
0.3740			175.00	115.00	9003900095000
0.3937			184.00	121.00	9003900100000
0.4016			184.00	121.00	9003900102000
0.4134			184.00	121.00	9003900105000
0.4331			195.00	128.00	9003900110000
0.4528			195.00	128.00	9003900115000
0.4724			205.00	134.00	9003900120000
0.5118			205.00	134.00	9003900130000

Alternative Drill Series:
#1131 Cobalt, GT80IC, 5xD, 130 pt, Bright
#5525, Carbide, RT100U, 12xD, FIREX®

*Items listed in red are non-stocked items, and may take 2 - 6 weeks to receive