

10xD



Steam Oxide
>2.36 mm dia.



External Coolant



Straight Shank

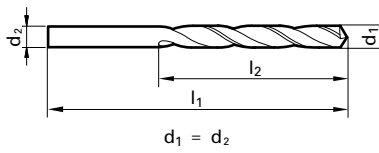
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information pg 433

Series 317

General Purpose

Cobalt, general purpose (Type N), taper length, 118° point, Form A web thinned
>2.36mm dia., standard straight shank, RH helix

Cut / Shank Dia. = h8 tolerance range



Application Materials:



Universal Steels



Hardened Materials

Twist Drills

Dec. inch	Diameter (d1)		I1 mm	I2 mm	EDP #
	Fract. inch	Wire / letter			
0.0197			32.00	12.00	9003170005000
0.0256			38.00	18.00	9003170006500
0.0276			42.00	21.00	9003170007000
0.0295			42.00	21.00	9003170007500
0.0315			46.00	25.00	9003170008000
0.0335			46.00	25.00	9003170008500
0.0354			51.00	29.00	9003170009000
0.0374			51.00	29.00	9003170009500
0.0394			56.00	33.00	9003170010000
0.0402		60	56.00	33.00	9003170010200
0.0433			60.00	37.00	9003170011000
0.0469	3/64		65.00	41.00	9003170011900
0.0472			65.00	41.00	9003170012000
0.0492			65.00	41.00	9003170012500
0.0512			65.00	41.00	9003170013000
0.0551		54	70.00	45.00	9003170014000
0.0591			70.00	45.00	9003170015000
0.0594		53	76.00	50.00	9003170015100
0.0610			76.00	50.00	9003170015500
0.0626	1/16		76.00	50.00	9003170015900
0.0630			76.00	50.00	9003170016000
0.0650			76.00	50.00	9003170016500
0.0669		51	76.00	50.00	9003170017000
0.0701		50	80.00	53.00	9003170017800
0.0709			80.00	53.00	9003170018000
0.0748			80.00	53.00	9003170019000
0.0768			85.00	56.00	9003170019500
0.0780	5/64		85.00	56.00	9003170019800
0.0787			85.00	56.00	9003170020000
0.0807			85.00	56.00	9003170020500
0.0827			85.00	56.00	9003170021000
0.0866			90.00	59.00	9003170022000
0.0906			90.00	59.00	9003170023000
0.0937	3/32		95.00	62.00	9003170023800
0.0945			95.00	62.00	9003170024000
0.0965			95.00	62.00	9003170024500
0.0984			95.00	62.00	9003170025000
0.1024			95.00	62.00	9003170026000
0.1063			100.00	66.00	9003170027000
0.1094	7/64		100.00	66.00	9003170027800
0.1102			100.00	66.00	9003170028000
0.1142			100.00	66.00	9003170029000
0.1181			100.00	66.00	9003170030000
0.1201		31	106.00	69.00	9003170030500
0.1220			106.00	69.00	9003170031000
0.1248	1/8		106.00	69.00	9003170031700
0.1260			106.00	69.00	9003170032000
0.1280			106.00	69.00	9003170032500
0.1299			106.00	69.00	9003170033000
0.1339			112.00	73.00	9003170034000
0.1358		29	112.00	73.00	9003170034500
0.1378			112.00	73.00	9003170035000
0.1417			112.00	73.00	9003170036000
0.1457			112.00	73.00	9003170037000

Dec. inch	Diameter (d1)		I1 mm	I2 mm	EDP #	
	Fract. inch	Wire / letter				
0.1496		25	3.800	119.00	78.00	9003170038000
0.1535			3.900	119.00	78.00	9003170039000
0.1563	5/32		3.970	119.00	78.00	9003170039700
0.1575			4.000	119.00	78.00	9003170040000
0.1614			4.100	119.00	78.00	9003170041000
0.1654			4.200	119.00	78.00	9003170042000
0.1693		18	4.300	126.00	82.00	9003170043000
0.1720	11/64		4.370	126.00	82.00	9003170043700
0.1732			4.400	126.00	82.00	9003170044000
0.1772		16	4.500	126.00	82.00	9003170045000
0.1811			4.600	126.00	82.00	9003170046000
0.1850		13	4.700	126.00	82.00	9003170047000
0.1874	3/16		4.760	132.00	87.00	9003170047600
0.1890		12	4.800	132.00	87.00	9003170048000
0.1909		11	4.850	132.00	87.00	9003170048500
0.1929			4.900	132.00	87.00	9003170049000
0.1969			5.000	132.00	87.00	9003170050000
0.2008			5.100	132.00	87.00	9003170051000
0.2031	13/64		5.160	132.00	87.00	9003170051600
0.2047			5.200	132.00	87.00	9003170052000
0.2087			5.300	132.00	87.00	9003170053000
0.2126			5.400	139.00	91.00	9003170054000
0.2165			5.500	139.00	91.00	9003170055000
0.2189	7/32		5.560	139.00	91.00	9003170055600
0.2205			5.600	139.00	91.00	9003170056000
0.2244			5.700	139.00	91.00	9003170057000
0.2283			5.800	139.00	91.00	9003170058000
0.2323			5.900	139.00	91.00	9003170059000
0.2343	15/64		5.950	139.00	91.00	9003170059500
0.2362			6.000	139.00	91.00	9003170060000
0.2402			6.100	148.00	97.00	9003170061000
0.2441			6.200	148.00	97.00	9003170062000
0.2480			6.300	148.00	97.00	9003170063000
0.2500	1/4	E	6.350	148.00	97.00	9003170063500
0.2520			6.400	148.00	97.00	9003170064000
0.2559			6.500	148.00	97.00	9003170065000
0.2598			6.600	148.00	97.00	9003170066000
0.2610		G	6.630	148.00	97.00	9003170066300
0.2638			6.700	148.00	97.00	9003170067000
0.2657	17/64	H	6.750	156.00	102.00	9003170067500
0.2677			6.800	156.00	102.00	9003170068000
0.2717		I	6.900	156.00	102.00	9003170069000
0.2756			7.000	156.00	102.00	9003170070000
0.2811	9/32	K	7.140	156.00	102.00	9003170071400
0.2835			7.200	156.00	102.00	9003170072000
0.2874			7.300	156.00	102.00	9003170073000
0.2913			7.400	156.00	102.00	9003170074000
0.2953			7.500	156.00	102.00	9003170075000
0.2969	19/64		7.540	165.00	109.00	9003170075400
0.2992			7.600	165.00	109.00	9003170076000
0.3031			7.700	165.00	109.00	9003170077000
0.3071			7.800	165.00	109.00	9003170078000
0.3110			7.900	165.00	109.00	9003170079000
0.3126	5/16		7.940	165.00	109.00	9003170079400

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

Series 317

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Dec. inch	Diameter (d1)		I1 mm	I2 mm	EDP #	
	Fract. inch	Wire / letter				
0.3150			8.000	165.00	109.00	9003170080000
0.3189			8.100	165.00	109.00	9003170081000
0.3228		P	8.200	165.00	109.00	9003170082000
0.3280	21/64		8.330	165.00	109.00	9003170083300
0.3307			8.400	165.00	109.00	9003170084000
0.3346			8.500	165.00	109.00	9003170085000
0.3386			8.600	175.00	115.00	9003170086000
0.3425			8.700	175.00	115.00	9003170087000
0.3437	11/32		8.730	175.00	115.00	9003170087300
0.3465			8.800	175.00	115.00	9003170088000
0.3543			9.000	175.00	115.00	9003170090000
0.3583			9.100	175.00	115.00	9003170091000
0.3594	23/64		9.130	175.00	115.00	9003170091300
0.3622			9.200	175.00	115.00	9003170092000
0.3661			9.300	175.00	115.00	9003170093000
0.3701			9.400	175.00	115.00	9003170094000
0.3740			9.500	175.00	115.00	9003170095000
0.3748	3/8		9.520	184.00	121.00	9003170095200
0.3780			9.600	184.00	121.00	9003170096000
0.3819			9.700	184.00	121.00	9003170097000
0.3858		W	9.800	184.00	121.00	9003170098000
0.3898			9.900	184.00	121.00	9003170099000
0.3906	25/64		9.920	184.00	121.00	9003170099200
0.3937			10.000	184.00	121.00	9003170100000
0.3976			10.100	184.00	121.00	9003170101000
0.4016			10.200	184.00	121.00	9003170102000
0.4063	13/32		10.320	184.00	121.00	9003170103200
0.4134			10.500	184.00	121.00	9003170105000

Dec. inch	Diameter (d1)		I1 mm	I2 mm	EDP #	
	Fract. inch	Wire / letter				
0.4220	27/64		10.720	195.00	128.00	9003170107200
0.4331			11.000	195.00	128.00	9003170110000
0.4374	7/16		11.110	195.00	128.00	9003170111100
0.4409			11.200	195.00	128.00	9003170112000
0.4528			11.500	195.00	128.00	9003170115000
0.4531	29/64		11.510	195.00	128.00	9003170115100
0.4646			11.800	195.00	128.00	9003170118000
0.4689	15/32		11.910	205.00	134.00	9003170119100
0.4724			12.000	205.00	134.00	9003170120000
0.4843	31/64		12.300	205.00	134.00	9003170123000
0.4921			12.500	205.00	134.00	9003170125000
0.5000	1/2		12.700	205.00	134.00	9003170127000
0.5118			13.000	205.00	134.00	9003170130000
0.5157	33/64		13.100	205.00	134.00	9003170131000
0.5311	17/32		13.490	214.00	140.00	9003170134900
0.5315			13.500	214.00	140.00	9003170135000
0.5512			14.000	214.00	140.00	9003170140000
0.5626	9/16		14.290	220.00	144.00	9003170142900
0.5906			15.000	220.00	144.00	9003170150000
0.6094	39/64		15.480	227.00	149.00	9003170154800
0.6248	5/8		15.870	227.00	149.00	9003170158700
0.6299			16.000	227.00	149.00	9003170160000

Alternative Drill Series:

- #217 HSS, GP, 10xD, 118 pt, Bright/Steam Oxide > 2.36
- #667 HSS, GP, 10xD, 118 pt, TiN