

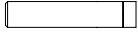
5xD



TiN Coated



External Coolant



Straight Shank

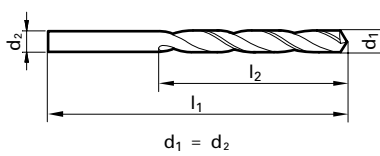
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Series 657

Type Ti

Cobalt, Type Ti, jobber length, self-centering 130° split point, web thinned >1.0mm dia., standard straight shank, RH helix

Cut / Shank Dia. = h8 tolerance range



Application Materials:

- Universal Steels
- Stainless Steels
- Hardened Materials
- Ti & Ni Alloys

Twist Drills

Dec. inch	Diameter (d1)			l1 mm	l2 mm	EDP #
	Fract. inch	Wire / letter	mm			
0.0197			0.500	22.00	6.00	9006570005000
0.0209		75	0.530	22.00	6.00	9006570005300
0.0236			0.600	24.00	7.00	9006570006000
0.0256			0.650	26.00	8.00	9006570006500
0.0276			0.700	28.00	9.00	9006570007000
0.0295			0.750	28.00	9.00	9006570007500
0.0315			0.800	30.00	10.00	9006570008000
0.0335			0.850	30.00	10.00	9006570008500
0.0346			0.880	32.00	11.00	9006570008800
0.0354			0.900	32.00	11.00	9006570009000
0.0362			0.920	32.00	11.00	9006570009200
0.0370		63	0.940	32.00	11.00	9006570009400
0.0374			0.950	32.00	11.00	9006570009500
0.0394			1.000	34.00	12.00	9006570010000
0.0409		59	1.040	34.00	12.00	9006570010400
0.0413			1.050	34.00	12.00	9006570010500
0.0433			1.100	36.00	14.00	9006570011000
0.0453			1.150	36.00	14.00	9006570011500
0.0465		56	1.180	36.00	14.00	9006570011800
0.0469	3/64		1.190	38.00	16.00	9006570011900
0.0472			1.200	38.00	16.00	9006570012000
0.0476			1.210	38.00	16.00	9006570012100
0.0492			1.250	38.00	16.00	9006570012500
0.0512			1.300	38.00	16.00	9006570013000
0.0520		55	1.320	38.00	16.00	9006570013200
0.0531			1.350	40.00	18.00	9006570013500
0.0547			1.390	40.00	18.00	9006570013900
0.0551		54	1.400	40.00	18.00	9006570014000
0.0571			1.450	40.00	18.00	9006570014500
0.0591			1.500	40.00	18.00	9006570015000
0.0594		53	1.510	43.00	20.00	9006570015100
0.0610			1.550	43.00	20.00	9006570015500
0.0626	1/16		1.590	43.00	20.00	9006570015900
0.0630			1.600	43.00	20.00	9006570016000
0.0634		52	1.610	43.00	20.00	9006570016100
0.0650			1.650	43.00	20.00	9006570016500
0.0669		51	1.700	43.00	20.00	9006570017000
0.0689			1.750	46.00	22.00	9006570017500
0.0701		50	1.780	46.00	22.00	9006570017800
0.0709			1.800	46.00	22.00	9006570018000
0.0728		49	1.850	46.00	22.00	9006570018500
0.0748			1.900	46.00	22.00	9006570019000
0.0768			1.950	49.00	24.00	9006570019500
0.0780	5/64		1.980	49.00	24.00	9006570019800
0.0787			2.000	49.00	24.00	9006570020000
0.0807			2.050	49.00	24.00	9006570020500
0.0827			2.100	49.00	24.00	9006570021000
0.0846			2.150	53.00	27.00	9006570021500
0.0866			2.200	53.00	27.00	9006570022000
0.0890		43	2.260	53.00	27.00	9006570022600
0.0906			2.300	53.00	27.00	9006570023000
0.0925			2.350	53.00	27.00	9006570023500
0.0937	3/32		2.380	57.00	30.00	9006570023800
0.0945			2.400	57.00	30.00	9006570024000
0.0961		41	2.440	57.00	30.00	9006570024400

Dec. inch	Diameter (d1)			l1 mm	l2 mm	EDP #
	Fract. inch	Wire / letter	mm			
0.0984			2.500	57.00	30.00	9006570025000
0.0996		39	2.530	57.00	30.00	9006570025300
0.1004			2.550	57.00	30.00	9006570025500
0.1024			2.600	57.00	30.00	9006570026000
0.1063			2.700	61.00	33.00	9006570027000
0.1094	7/64		2.780	61.00	33.00	9006570027800
0.1102			2.800	61.00	33.00	9006570028000
0.1110		34	2.820	61.00	33.00	9006570028200
0.1142			2.900	61.00	33.00	9006570029000
0.1161		32	2.950	61.00	33.00	9006570029500
0.1181			3.000	61.00	33.00	9006570030000
0.1201		31	3.050	65.00	36.00	9006570030500
0.1220			3.100	65.00	36.00	9006570031000
0.1248	1/8		3.170	65.00	36.00	9006570031700
0.1260			3.200	65.00	36.00	9006570032000
0.1283		30	3.260	65.00	36.00	9006570032600
0.1299			3.300	65.00	36.00	9006570033000
0.1339			3.400	70.00	39.00	9006570034000
0.1378			3.500	70.00	39.00	9006570035000
0.1406	9/64	28	3.570	70.00	39.00	9006570035700
0.1417			3.600	70.00	39.00	9006570036000
0.1457			3.700	70.00	39.00	9006570037000
0.1496		25	3.800	75.00	43.00	9006570038000
0.1535			3.900	75.00	43.00	9006570039000
0.1563	5/32		3.970	75.00	43.00	9006570039700
0.1575			4.000	75.00	43.00	9006570040000
0.1614			4.100	75.00	43.00	9006570041000
0.1654			4.200	75.00	43.00	9006570042000
0.1673			4.250	75.00	43.00	9006570042500
0.1693		18	4.300	80.00	47.00	9006570043000
0.1713			4.350	80.00	47.00	9006570043500
0.1720	11/64		4.370	80.00	47.00	9006570043700
0.1732			4.400	80.00	47.00	9006570044000
0.1772		16	4.500	80.00	47.00	9006570045000
0.1811			4.600	80.00	47.00	9006570046000
0.1850		13	4.700	80.00	47.00	9006570047000
0.1874	3/16		4.760	86.00	52.00	9006570047600
0.1890		12	4.800	86.00	52.00	9006570048000
0.1929			4.900	86.00	52.00	9006570049000
0.1969			5.000	86.00	52.00	9006570050000
0.2008			5.100	86.00	52.00	9006570051000
0.2012		7	5.110	86.00	52.00	9006570051100
0.2031	13/64		5.160	86.00	52.00	9006570051600
0.2047			5.200	86.00	52.00	9006570052000
0.2087			5.300	86.00	52.00	9006570053000
0.2126			5.400	93.00	57.00	9006570054000
0.2165			5.500	93.00	57.00	9006570055000
0.2189	7/32		5.560	93.00	57.00	9006570055600
0.2205			5.600	93.00	57.00	9006570056000
0.2209		2	5.610	93.00	57.00	9006570056100
0.2244			5.700	93.00	57.00	9006570057000
0.2283			5.800	93.00	57.00	9006570058000
0.2323			5.900	93.00	57.00	9006570059000
0.2343	15/64		5.950	93.00	57.00	9006570059500
0.2362			6.000	93.00	57.00	9006570060000

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

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Dec. inch	Diameter (d1)		I1 mm	I2 mm	EDP #	
	Fract. inch	Wire / letter				
0.2402			6.100	101.00	63.00	9006570061000
0.2441			6.200	101.00	63.00	9006570062000
0.2480			6.300	101.00	63.00	9006570063000
0.2500	1/4	E	6.350	101.00	63.00	9006570063500
0.2520			6.400	101.00	63.00	9006570064000
0.2559			6.500	101.00	63.00	9006570065000
0.2598			6.600	101.00	63.00	9006570066000
0.2638			6.700	101.00	63.00	9006570067000
0.2657	17/64	H	6.750	109.00	69.00	9006570067500
0.2677			6.800	109.00	69.00	9006570068000
0.2717		I	6.900	109.00	69.00	9006570069000
0.2756			7.000	109.00	69.00	9006570070000
0.2795			7.100	109.00	69.00	9006570071000
0.2811	9/32	K	7.140	109.00	69.00	9006570071400
0.2835			7.200	109.00	69.00	9006570072000
0.2874			7.300	109.00	69.00	9006570073000
0.2913			7.400	109.00	69.00	9006570074000
0.2953			7.500	109.00	69.00	9006570075000
0.2969	19/64		7.540	117.00	75.00	9006570075400
0.2992			7.600	117.00	75.00	9006570076000
0.3031			7.700	117.00	75.00	9006570077000
0.3071			7.800	117.00	75.00	9006570078000
0.3110			7.900	117.00	75.00	9006570079000
0.3126	5/16		7.940	117.00	75.00	9006570079400
0.3150			8.000	117.00	75.00	9006570080000
0.3189			8.100	117.00	75.00	9006570081000
0.3228		P	8.200	117.00	75.00	9006570082000
0.3268			8.300	117.00	75.00	9006570083000
0.3307			8.400	117.00	75.00	9006570084000
0.3346			8.500	117.00	75.00	9006570085000
0.3366			8.550	125.00	81.00	9006570085500
0.3386			8.600	125.00	81.00	9006570086000
0.3425			8.700	125.00	81.00	9006570087000
0.3437	11/32		8.730	125.00	81.00	9006570087300

Dec. inch	Diameter (d1)		I1 mm	I2 mm	EDP #	
	Fract. inch	Wire / letter				
0.3465			8.800	125.00	81.00	9006570088000
0.3504			8.900	125.00	81.00	9006570089000
0.3543			9.000	125.00	81.00	9006570090000
0.3583			9.100	125.00	81.00	9006570091000
0.3594	23/64		9.130	125.00	81.00	9006570091300
0.3622			9.200	125.00	81.00	9006570092000
0.3701			9.400	125.00	81.00	9006570094000
0.3740			9.500	125.00	81.00	9006570095000
0.3748	3/8		9.520	133.00	87.00	9006570095200
0.3780			9.600	133.00	87.00	9006570096000
0.3819			9.700	133.00	87.00	9006570097000
0.3858		W	9.800	133.00	87.00	9006570098000
0.3906	25/64		9.920	133.00	87.00	9006570099200
0.3937			10.000	133.00	87.00	9006570100000
0.4016			10.200	133.00	87.00	9006570102000
0.4063	13/32		10.320	133.00	87.00	9006570103200
0.4134			10.500	133.00	87.00	9006570105000
0.4252			10.800	142.00	94.00	9006570108000
0.4331			11.000	142.00	94.00	9006570110000
0.4374	7/16		11.110	142.00	94.00	9006570111100
0.4409			11.200	142.00	94.00	9006570112000
0.4528			11.500	142.00	94.00	9006570115000
0.4724			12.000	151.00	101.00	9006570120000
0.4921			12.500	151.00	101.00	9006570125000
0.5000	1/2		12.700	151.00	101.00	9006570127000
0.5118			13.000	151.00	101.00	9006570130000

Alternative Drill Series:

- #605 Cobalt, Ti, 5xD, 130 pt., Bright
- #2458, Cobalt, Ti, 5xD, 130 pt., FIREX®
- #530 PM cobalt, GT500, 5xD, 130 pt., FIREX®