





3xD

Series 8510

Application Materials:

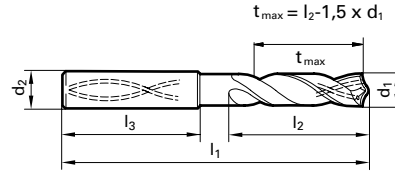
-  Universal Steels
-  Stainless Steels
-  Hardened Materials
-  Ti & Ni Alloys

Twist Drills

RT 100 VA High Penetration

Carbide, RT 100 VA, 3xD, self-centering
140° VA point, reinforced straight shank, RH helix

Cut Dia. = m7 tolerance range, Shank Dia. = h6

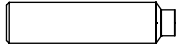


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nano-A™ coated



Coolant Through



Reinforced Straight Shank

Speeds & Feeds
information pg 501

Diameter (d1)			d2 mm	l1 mm	l2 mm	EDP #	
Dec. inch	Fract. inch	Wire / letter					
0.1181			3.000	6.000	62.00	20.00	9085100030000
0.1220			3.100	6.000	62.00	20.00	9085100031000
0.1248	1/8		3.170	6.000	62.00	20.00	9085100031700
0.1260			3.200	6.000	62.00	20.00	9085100032000
0.1280			3.250	6.000	62.00	20.00	9085100032500
0.1299			3.300	6.000	62.00	20.00	9085100033000
0.1339			3.400	6.000	62.00	20.00	9085100034000
0.1378			3.500	6.000	62.00	20.00	9085100035000
0.1406	9/64	28	3.570	6.000	62.00	20.00	9085100035700
0.1417			3.600	6.000	62.00	20.00	9085100036000
0.1457			3.700	6.000	62.00	20.00	9085100037000
0.1496		25	3.800	6.000	66.00	24.00	9085100038000
0.1535			3.900	6.000	66.00	24.00	9085100039000
0.1563	5/32		3.970	6.000	66.00	24.00	9085100039700
0.1575			4.000	6.000	66.00	24.00	9085100040000
0.1614			4.100	6.000	66.00	24.00	9085100041000
0.1654			4.200	6.000	66.00	24.00	9085100042000
0.1693			4.300	6.000	66.00	24.00	9085100043000
0.1720	11/64		4.370	6.000	66.00	24.00	9085100043700
0.1732			4.400	6.000	66.00	24.00	9085100044000
0.1772		16	4.500	6.000	66.00	24.00	9085100045000
0.1811			4.600	6.000	66.00	24.00	9085100046000
0.1831			4.650	6.000	66.00	24.00	9085100046500
0.1850			4.700	6.000	66.00	24.00	9085100047000
0.1874	3/16		4.760	6.000	66.00	28.00	9085100047600
0.1890		12	4.800	6.000	66.00	28.00	9085100048000
0.1929			4.900	6.000	66.00	28.00	9085100049000
0.1969			5.000	6.000	66.00	28.00	9085100050000
0.2008			5.100	6.000	66.00	28.00	9085100051000
0.2031	13/64		5.160	6.000	66.00	28.00	9085100051600
0.2047			5.200	6.000	66.00	28.00	9085100052000
0.2087			5.300	6.000	66.00	28.00	9085100053000
0.2126			5.400	6.000	66.00	28.00	9085100054000
0.2165			5.500	6.000	66.00	28.00	9085100055000
0.2185			5.550	6.000	66.00	28.00	9085100055500
0.2189	7/32		5.560	6.000	66.00	28.00	9085100055600
0.2205			5.600	6.000	66.00	28.00	9085100056000
0.2244			5.700	6.000	66.00	28.00	9085100057000
0.2283			5.800	6.000	66.00	28.00	9085100058000
0.2323			5.900	6.000	66.00	28.00	9085100059000
0.2343	15/64		5.950	6.000	66.00	28.00	9085100059500
0.2362			6.000	6.000	66.00	28.00	9085100060000
0.2402			6.100	8.000	79.00	34.00	9085100061000
0.2441			6.200	8.000	79.00	34.00	9085100062000
0.2480			6.300	8.000	79.00	34.00	9085100063000
0.2500	1/4	E	6.350	8.000	79.00	34.00	9085100063500
0.2520			6.400	8.000	79.00	34.00	9085100064000
0.2559			6.500	8.000	79.00	34.00	9085100065000
0.2598			6.600	8.000	79.00	34.00	9085100066000
0.2638			6.700	8.000	79.00	34.00	9085100067000
0.2657	17/64	H	6.750	8.000	79.00	34.00	9085100067500
0.2677			6.800	8.000	79.00	34.00	9085100068000
0.2717		I	6.900	8.000	79.00	34.00	9085100069000
0.2756			7.000	8.000	79.00	34.00	9085100070000

Diameter (d1)			d2 mm	l1 mm	l2 mm	EDP #	
Dec. inch	Fract. inch	Wire / letter					
0.2795			7.100	8.000	79.00	41.00	9085100071000
0.2811	9/32	K	7.140	8.000	79.00	41.00	9085100071400
0.2835			7.200	8.000	79.00	41.00	9085100072000
0.2874			7.300	8.000	79.00	41.00	9085100073000
0.2913			7.400	8.000	79.00	41.00	9085100074000
0.2953			7.500	8.000	79.00	41.00	9085100075000
0.2969	19/64		7.540	8.000	79.00	41.00	9085100075400
0.2992			7.600	8.000	79.00	41.00	9085100076000
0.3031			7.700	8.000	79.00	41.00	9085100077000
0.3071			7.800	8.000	79.00	41.00	9085100078000
0.3110			7.900	8.000	79.00	41.00	9085100079000
0.3126	5/16		7.940	8.000	79.00	41.00	9085100079400
0.3150			8.000	8.000	79.00	41.00	9085100080000
0.3189			8.100	10.000	89.00	47.00	9085100081000
0.3228		P	8.200	10.000	89.00	47.00	9085100082000
0.3268			8.300	10.000	89.00	47.00	9085100083000
0.3280	21/64		8.330	10.000	89.00	47.00	9085100083300
0.3307			8.400	10.000	89.00	47.00	9085100084000
0.3346			8.500	10.000	89.00	47.00	9085100085000
0.3386			8.600	10.000	89.00	47.00	9085100086000
0.3425			8.700	10.000	89.00	47.00	9085100087000
0.3437	11/32		8.730	10.000	89.00	47.00	9085100087300
0.3465			8.800	10.000	89.00	47.00	9085100088000
0.3504			8.900	10.000	89.00	47.00	9085100089000
0.3543			9.000	10.000	89.00	47.00	9085100090000
0.3583			9.100	10.000	89.00	47.00	9085100091000
0.3594	23/64		9.130	10.000	89.00	47.00	9085100091300
0.3622			9.200	10.000	89.00	47.00	9085100092000
0.3642			9.250	10.000	89.00	47.00	9085100092500
0.3661			9.300	10.000	89.00	47.00	9085100093000
0.3701			9.400	10.000	89.00	47.00	9085100094000
0.3740			9.500	10.000	89.00	47.00	9085100095000
0.3748	3/8		9.520	10.000	89.00	47.00	9085100095200
0.3780			9.600	10.000	89.00	47.00	9085100096000
0.3819			9.700	10.000	89.00	47.00	9085100097000
0.3858		W	9.800	10.000	89.00	47.00	9085100098000
0.3898			9.900	10.000	89.00	47.00	9085100099000
0.3906	25/64		9.920	10.000	89.00	47.00	9085100099200
0.3937			10.000	10.000	89.00	47.00	9085100100000
0.3976			10.100	12.000	102.00	55.00	9085100101000
0.4016			10.200	12.000	102.00	55.00	9085100102000
0.4055			10.300	12.000	102.00	55.00	9085100103000
0.4063	13/32		10.320	12.000	102.00	55.00	9085100103200
0.4094			10.400	12.000	102.00	55.00	9085100104000
0.4134			10.500	12.000	102.00	55.00	9085100105000
0.4173			10.600	12.000	102.00	55.00	9085100106000
0.4213			10.700	12.000	102.00	55.00	9085100107000
0.4252			10.800	12.000	102.00	55.00	9085100108000
0.4291			10.900	12.000	102.00	55.00	9085100109000
0.4331			11.000	12.000	102.00	55.00	9085100110000
0.4370			11.100	12.000	102.00	55.00	9085100111000
0.4374	7/16		11.110	12.000	102.00	55.00	9085100111100
0.4409			11.200	12.000	102.00	55.00	9085100112000
0.4449			11.300	12.000	102.00	55.00	9085100113000

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

Series 8510

Speeds & Feeds information pg 501

Diameter (d1)		d2 mm	l1 mm	l2 mm	EDP #	
Dec. inch	Fract. inch					Wire / letter
0.4488		11.400	12.000	102.00	55.00	9085100114000
0.4528		11.500	12.000	102.00	55.00	9085100115000
0.4567		11.600	12.000	102.00	55.00	9085100116000
0.4606		11.700	12.000	102.00	55.00	9085100117000
0.4646		11.800	12.000	102.00	55.00	9085100118000
0.4685		11.900	12.000	102.00	55.00	9085100119000
0.4689	15/32	11.910	12.000	102.00	55.00	9085100119100
0.4724		12.000	12.000	102.00	55.00	9085100120000
0.4803		12.200	14.000	107.00	60.00	9085100122000
0.4921		12.500	14.000	107.00	60.00	9085100125000
0.5000	1/2	12.700	14.000	107.00	60.00	9085100127000
0.5039		12.800	14.000	107.00	60.00	9085100128000
0.5118		13.000	14.000	107.00	60.00	9085100130000
0.5236		13.300	14.000	107.00	60.00	9085100133000
0.5315		13.500	14.000	107.00	60.00	9085100135000
0.5394		13.700	14.000	107.00	60.00	9085100137000
0.5512		14.000	14.000	107.00	60.00	9085100140000
0.5591		14.200	16.000	115.00	65.00	9085100142000
0.5626	9/16	14.290	16.000	115.00	65.00	9085100142900
0.5630		14.300	16.000	115.00	65.00	9085100143000
0.5709		14.500	16.000	115.00	65.00	9085100145000
0.5787		14.700	16.000	115.00	65.00	9085100147000
0.5906		15.000	16.000	115.00	65.00	9085100150000
0.5984		15.200	16.000	115.00	65.00	9085100152000

Diameter (d1)		d2 mm	l1 mm	l2 mm	EDP #	
Dec. inch	Fract. inch					Wire / letter
0.6024		15.300	16.000	115.00	65.00	9085100153000
0.6102		15.500	16.000	115.00	65.00	9085100155000
0.6181		15.700	16.000	115.00	65.00	9085100157000
0.6299		16.000	16.000	115.00	65.00	9085100160000
0.6417		16.300	16.000	115.00	65.00	9085100163000
0.6496		16.500	18.000	123.00	73.00	9085100165000
0.6654		16.900	18.000	123.00	73.00	9085100169000
0.6693		17.000	18.000	131.00	79.00	9085100170000
0.6811		17.300	18.000	131.00	79.00	9085100173000
0.6890		17.500	18.000	131.00	79.00	9085100175000
0.7087		18.000	18.000	131.00	79.00	9085100180000
0.7283		18.500	20.000	131.00	79.00	9085100185000
0.7441		18.900	20.000	131.00	79.00	9085100189000
0.7480		19.000	20.000	131.00	79.00	9085100190000
0.7500		19.050	20.000	131.00	79.00	9085100190500
0.7598		19.300	20.000	131.00	79.00	9085100193000
0.7677		19.500	20.000	131.00	79.00	9085100195000
0.7874		20.000	20.000	131.00	79.00	9085100200000

Alternative Drill Series:

- #5510 Carbide, RT100, 3xD, 140 U pt, FIREX®
- #2477 Carbide, RT100U, 3xD, 140 U pt, nano-FIREX®