

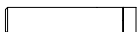
10xD

S

TiN Coated



External Coolant



Straight Shank

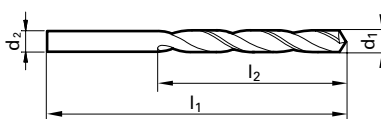
Speeds & Feeds
information pg 452

Series 669




Type Ti

Cobalt, Type Ti, taper length, self-centering 130° split point,
web thinned all dia., standard straight shank, RH helix

Cut / Shank Dia. = h8 tolerance range

 $d_1 = d_2$

Application Materials:

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

Dec. inch	Diameter (d1)		l1 mm	l2 mm	EDP #
	Fract. inch	Wire / letter			
0.0394			56.00	33.00	9006690010000
0.0551		54	70.00	45.00	9006690014000
0.0591			70.00	45.00	9006690015000
0.0626	1/16		76.00	50.00	9006690015900
0.0630			76.00	50.00	9006690016000
0.0650			76.00	50.00	9006690016500
0.0669		51	76.00	50.00	9006690017000
0.0709			80.00	53.00	9006690018000
0.0748			80.00	53.00	9006690019000
0.0780	5/64		85.00	56.00	9006690019800
0.0787			85.00	56.00	9006690020000
0.0827			85.00	56.00	9006690021000
0.0866			90.00	59.00	9006690022000
0.0906			90.00	59.00	9006690023000
0.0937	3/32		95.00	62.00	9006690023800
0.0945			95.00	62.00	9006690024000
0.0984			95.00	62.00	9006690025000
0.1024			95.00	62.00	9006690026000
0.1063			100.00	66.00	9006690027000
0.1094	7/64		100.00	66.00	9006690027800
0.1102			100.00	66.00	9006690028000
0.1142			100.00	66.00	9006690029000
0.1181			100.00	66.00	9006690030000
0.1220			106.00	69.00	9006690031000
0.1248	1/8		106.00	69.00	9006690031700
0.1260			106.00	69.00	9006690032000
0.1280			106.00	69.00	9006690032500
0.1299			106.00	69.00	9006690033000
0.1339			112.00	73.00	9006690034000
0.1378			112.00	73.00	9006690035000
0.1406	9/64	28	112.00	73.00	9006690035700
0.1417			112.00	73.00	9006690036000
0.1457			112.00	73.00	9006690037000
0.1496		25	119.00	78.00	9006690038000
0.1535			119.00	78.00	9006690039000
0.1563	5/32		119.00	78.00	9006690039700
0.1575			119.00	78.00	9006690040000
0.1614			119.00	78.00	9006690041000
0.1654			119.00	78.00	9006690042000
0.1693		18	126.00	82.00	9006690043000
0.1732			126.00	82.00	9006690044000
0.1772		16	126.00	82.00	9006690045000
0.1850		13	126.00	82.00	9006690047000
0.1874	3/16		132.00	87.00	9006690047600
0.1890			132.00	87.00	9006690048000
0.1929		12	132.00	87.00	9006690049000
0.1969			132.00	87.00	9006690050000
0.2008			132.00	87.00	9006690051000
0.2031	13/64		132.00	87.00	9006690051600
0.2047			132.00	87.00	9006690052000

Dec. inch	Diameter (d1)		l1 mm	l2 mm	EDP #
	Fract. inch	Wire / letter			
0.2087			132.00	87.00	9006690053000
0.2165			139.00	91.00	9006690055000
0.2189	7/32		139.00	91.00	9006690055600
0.2205			139.00	91.00	9006690056000
0.2244			139.00	91.00	9006690057000
0.2283			139.00	91.00	9006690058000
0.2323			139.00	91.00	9006690059000
0.2362			139.00	91.00	9006690060000
0.2402			148.00	97.00	9006690061000
0.2441			148.00	97.00	9006690062000
0.2480			148.00	97.00	9006690063000
0.2500	1/4	E	148.00	97.00	9006690063500
0.2520			148.00	97.00	9006690064000
0.2559			148.00	97.00	9006690065000
0.2598			148.00	97.00	9006690066000
0.2638			148.00	97.00	9006690067000
0.2657	17/64	H	156.00	102.00	9006690067500
0.2677			156.00	102.00	9006690068000
0.2717		I	156.00	102.00	9006690069000
0.2756			156.00	102.00	9006690070000
0.2795			156.00	102.00	9006690071000
0.2811	9/32	K	156.00	102.00	9006690071400
0.2874			156.00	102.00	9006690073000
0.2913			156.00	102.00	9006690074000
0.2953			156.00	102.00	9006690075000
0.2969	19/64		165.00	109.00	9006690075400
0.2992			165.00	109.00	9006690076000
0.3031			165.00	109.00	9006690077000
0.3071			165.00	109.00	9006690078000
0.3110			165.00	109.00	9006690079000
0.3126	5/16		165.00	109.00	9006690079400
0.3150			165.00	109.00	9006690080000
0.3228		P	165.00	109.00	9006690082000
0.3307			165.00	109.00	9006690084000
0.3346			165.00	109.00	9006690085000
0.3437	11/32		175.00	115.00	9006690087300
0.3543			175.00	115.00	9006690090000
0.3740			175.00	115.00	9006690095000
0.3748	3/8		184.00	121.00	9006690095200
0.3937			184.00	121.00	9006690100000

Alternative Drill Series:

- #617 Cobalt, Ti, 10xD, 130 pt, Bright
- #336 Cobalt, GT100, 10xD, 130 pt, Bright/Nitrided lands > 2.36
- #535 HSS, GT100, 10xD, 130 pt, Bright/Nitrided lands > 2.36
- #668 HSS, GT100, 10xD, 130 pt, TiN