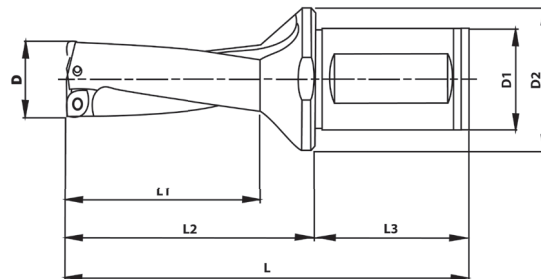


Pro SP/NP Drill (3XD)



- Strong shank and excellent design optimizes the performance of hole-making
- Special abrasive wear resistant surface treatment protects the shank from machined chips, increasing tool life
- Strengthened drill body provides better performance even in difficult cutting conditions
- Specially designed flute guarantees excellent chip evacuation and long durability



(inch)

Designation	Code No.	Price \$	D	D1	D2	L	L1	L2	L3	Insert	Screw	Wrench		
PRO-SP	0500 - 1/2	147894	580.90	0.500	0.75	-	4.14	1.50	1.97	2.17	SPMT 050203-MD	FTNA 0204	TW06P	
	0531 - 17/32	147895	528.55	0.531	0.75	-	4.23	1.59	1.97	2.26		148207	147222	
	0562 - 9/16	147896	528.55	0.562	0.75	-	4.36	1.69	1.97	2.39		\$ 10.45	\$ 11.19	
	0625 - 5/8	147897	580.90	0.625	1.00	-	4.59	1.88	1.97	2.62	SPMT 060204-MD	FTKA 02206S	TW07S	
	0687 - 11/16	147898	528.55	0.687	1.00	1.40	5.01	2.07	2.20	2.81		148208		148209
	0750 - 3/4	147899	580.90	0.750	1.00	1.40	5.24	2.25	2.20	3.04		\$ 10.42	\$ 31.83	
	0812 - 13/16	147900	608.30	0.812	1.00	1.40	5.50	2.44	2.20	3.30	SPMT 070204-MD	FTKA 02565		
	0875 - 7/8	147901	668.51	0.875	1.00	1.40	5.69	2.63	2.20	3.49		146930		
PRO-NP	0937 - 15/16	147902	608.29	0.937	1.25	1.80	6.12	2.81	2.36	3.76	NPMT 222408-00	\$ 10.72		
	1000 - 1"	147903	723.80	1.000	1.25	1.80	6.34	3.00	2.36	3.98	NPMT 252808-00	FTKA 0307		
	1031 - 1-1/32	147904	658.62	1.031	1.25	1.80	6.44	3.09	2.36	4.08		148210		
	1062 - 1-1/16	147905	658.62	1.062	1.25	1.80	6.53	3.19	2.36	4.17		\$ 11.76		
	1125 - 1-1/8	147906	723.80	1.125	1.25	1.80	6.80	3.38	2.36	4.44	NPMT 293208-00			
	1187 - 1-3/16	147907	658.62	1.187	1.25	1.80	7.06	3.56	2.36	4.70				
	1250 - 1-1/4	147908	743.36	1.250	1.25	1.80	7.25	3.75	2.36	4.89				
	1312 - 1-5/16	147909	743.36	1.312	1.50	2.00	7.92	3.94	2.76	5.16	NPMT 334008-00	FTKA 03508	TW15S	
	1375 - 1-3/8	147910	816.94	1.375	1.50	2.00	8.17	4.16	2.76	5.41		148212		146801
	1500 - 1-1/2	147912	783.73	1.500	1.50	2.00	8.60	4.50	2.76	5.84		\$ 10.71		\$ 34.98
	1562 - 1-9/16	147913	783.73	1.562	1.50	2.00	8.78	4.69	2.76	6.02	NPMT 415008			
	1625 - 1-5/8	147914	842.09	1.625	1.50	2.00	9.09	4.88	2.76	6.33		FTKA 0410		146801
	1687 - 1-11/16	147915	842.09	1.687	1.50	2.00	9.32	5.06	2.76	6.56		146969		\$ 9.48
	1750 - 1-3/4	147916	842.09	1.750	1.50	2.00	9.51	5.25	2.76	6.75				
	1812 - 1-13/16	147917	890.98	1.812	1.50	2.00	9.73	5.44	2.76	6.97				
1875 - 1-7/8	147918	890.98	1.875	1.50	2.00	9.96	5.63	2.76	7.20					
1937 - 1-15/16	147919	890.98	1.937	1.50	2.00	10.22	5.81	2.76	7.46					
2000 - 2"	147920	890.98	2.000	1.50	2.60	10.41	6.00	2.76	7.65					

➤ P. E95-96

Recommended Cutting Condition

Workpiece	Cutting Condition	
	V(sfm)	f(ipr)
P	250~720	0.004~0.010
M Stainless Steel	120~500	0.004~0.008
K	250~750	0.004~0.016