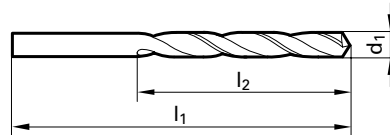


Tool material **Solid Carbide**
Surface

- P** Steel ○ web thinning ≥ Ø 2.060
• facet point grinding
• main cutting edge form straight
 - M** Stainless steel ○
 - K** Cast iron ○
 - N** Aluminum ● structural and case hardened steels • free-cutting steels,
heat-treatable steels • grey cast iron • bronze, brass • aluminium
and Al-alloys • magnesium and magnesium alloys • plastics and
fiber reinforced plastics
 - S** Titanium alloys ○
 - H** Hardened steel
- =Optimal
○=Limited



Speeds and feeds information on pg. 543

Shank diameter = cut diameter

Diameter (d ₁)		l ₁ mm	t _{max} mm	l ₂ mm	EDP #
inch	wire/ltr mm				
0.0394	1.00	34.00	10.50	12.00	9007320010000
0.0402	#60 1.02	34.00	10.47	12.00	9007320010200
0.0409	#59 1.04	34.00	10.44	12.00	9007320010400
0.0421	#58 1.07	36.00	12.40	14.00	9007320010700
0.0429	#57 1.09	36.00	12.37	14.00	9007320010900
0.0433	1.10	36.00	12.35	14.00	9007320011000
0.0465	#56 1.18	36.00	12.23	14.00	9007320011800
0.0469	3/64 1.19	38.00	14.22	16.00	9007320011900
0.0472	1.20	38.00	14.20	16.00	9007320012000
0.0512	1.30	38.00	14.05	16.00	9007320013000
0.0520	#55 1.32	38.00	14.02	16.00	9007320013200
0.0551	#54 1.40	40.00	15.90	18.00	9007320014000
0.0591	1.50	40.00	15.75	18.00	9007320015000
0.0594	#53 1.51	43.00	17.74	20.00	9007320015100
0.0626	1/16 1.59	43.00	17.62	20.00	9007320015900
0.0630	1.60	43.00	17.60	20.00	9007320016000
0.0634	#52 1.61	43.00	17.59	20.00	9007320016100
0.0669	#51 1.70	43.00	17.45	20.00	9007320017000
0.0701	#50 1.78	46.00	19.33	22.00	9007320017800
0.0709	1.80	46.00	19.30	22.00	9007320018000
0.0728	#49 1.85	46.00	19.23	22.00	9007320018500
0.0748	1.90	46.00	19.15	22.00	9007320019000
0.0760	#48 1.93	49.00	21.11	24.00	9007320019300
0.0780	5/64 1.98	49.00	21.03	24.00	9007320019800
0.0783	#47 1.99	49.00	21.02	24.00	9007320019900
0.0787	2.00	49.00	21.00	24.00	9007320020000
0.0811	#46 2.06	49.00	20.91	24.00	9007320020600
0.0819	#45 2.08	49.00	20.88	24.00	9007320020800
0.0827	2.10	49.00	20.85	24.00	9007320021000
0.0858	#44 2.18	53.00	23.73	27.00	9007320021800
0.0866	2.20	53.00	23.70	27.00	9007320022000
0.0890	#43 2.26	53.00	23.61	27.00	9007320022600
0.0906	2.30	53.00	23.55	27.00	9007320023000
0.0933	#42 2.37	57.00	26.45	30.00	9007320023700
0.0937	3/32 2.38	57.00	26.43	30.00	9007320023800
0.0945	2.40	57.00	26.40	30.00	9007320024000
0.0961	#41 2.44	57.00	26.34	30.00	9007320024400
0.0980	#40 2.49	57.00	26.27	30.00	9007320024900
0.0984	2.50	57.00	26.25	30.00	9007320025000
0.0996	#39 2.53	57.00	26.21	30.00	9007320025300
0.1016	#38 2.58	57.00	26.13	30.00	9007320025800
0.1024	2.60	57.00	26.10	30.00	9007320026000

Diameter (d ₁)			l ₁ mm	t _{max} mm	l ₂ mm	EDP #
inch	wire/ltr mm	mm				
0.1039	#37 2.64	57.00	26.04	30.00	9007320026400	
0.1063	2.70	61.00	28.95	33.00	9007320027000	
0.1067	#36 2.71	61.00	28.94	33.00	9007320027100	
0.1094	7/64 2.78	61.00	28.83	33.00	9007320027800	
0.1098	#35 2.79	61.00	28.82	33.00	9007320027900	
0.1102	2.80	61.00	28.80	33.00	9007320028000	
0.1110	#34 2.82	61.00	28.77	33.00	9007320028200	
0.1130	#33 2.87	61.00	28.70	33.00	9007320028700	
0.1142	2.90	61.00	28.65	33.00	9007320029000	
0.1161	#32 2.95	61.00	28.58	33.00	9007320029500	
0.1181	3.00	61.00	28.50	33.00	9007320030000	
0.1201	#31 3.05	65.00	31.43	36.00	9007320030500	
0.1220	3.10	65.00	31.35	36.00	9007320031000	
0.1248	1/8 3.17	65.00	31.25	36.00	9007320031700	
0.1260	3.20	65.00	31.20	36.00	9007320032000	
0.1283	#30 3.26	65.00	31.11	36.00	9007320032600	
0.1299	3.30	65.00	31.05	36.00	9007320033000	
0.1339	3.40	70.00	33.90	39.00	9007320034000	
0.1358	#29 3.45	70.00	33.83	39.00	9007320034500	
0.1378	3.50	70.00	33.75	39.00	9007320035000	
0.1406	9/64 #28 3.57	70.00	33.65	39.00	9007320035700	
0.1417	3.60	70.00	33.60	39.00	9007320036000	
0.1441	#27 3.66	70.00	33.51	39.00	9007320036600	
0.1457	3.70	70.00	33.45	39.00	9007320037000	
0.1469	#26 3.73	70.00	33.41	39.00	9007320037300	
0.1496	#25 3.80	75.00	37.30	43.00	9007320038000	
0.1520	#24 3.86	75.00	37.21	43.00	9007320038600	
0.1535	3.90	75.00	37.15	43.00	9007320039000	
0.1539	#23 3.91	75.00	37.14	43.00	9007320039100	
0.1563	5/32 3.97	75.00	37.05	43.00	9007320039700	
0.1571	#22 3.99	75.00	37.02	43.00	9007320039900	
0.1575	4.00	75.00	37.00	43.00	9007320040000	
0.1591	#21 4.04	75.00	36.94	43.00	9007320040400	
0.1610	#20 4.09	75.00	36.87	43.00	9007320040900	
0.1614	4.10	75.00	36.85	43.00	9007320041000	
0.1654	4.20	75.00	36.70	43.00	9007320042000	
0.1661	#19 4.22	75.00	36.67	43.00	9007320042200	
0.1693	#18 4.30	80.00	40.55	47.00	9007320043000	
0.1720	11/64 4.37	80.00	40.45	47.00	9007320043700	
0.1728	#17 4.39	80.00	40.42	47.00	9007320043900	
0.1732	4.40	80.00	40.40	47.00	9007320044000	
0.1772	#16 4.50	80.00	40.25	47.00	9007320045000	

5xD Drills

Diameter (d ₁)			l ₁ mm	t _{max} mm	l ₂ mm	EDP #
inch	wire/ltr	mm				
0.1799	#15	4.57	80.00	40.15	47.00	9007320045700
0.1811		4.60	80.00	40.10	47.00	9007320046000
0.1819	#14	4.62	80.00	40.07	47.00	9007320046200
0.1850	#13	4.70	80.00	39.95	47.00	9007320047000
0.1874	3/16	4.76	86.00	44.86	52.00	9007320047600
0.1890	#12	4.80	86.00	44.80	52.00	9007320048000
0.1909	#11	4.85	86.00	44.73	52.00	9007320048500
0.1929		4.90	86.00	44.65	52.00	9007320049000
0.1937	#10	4.92	86.00	44.62	52.00	9007320049200
0.1961	#9	4.98	86.00	44.53	52.00	9007320049800
0.1969		5.00	86.00	44.50	52.00	9007320050000
0.1992	#8	5.06	86.00	44.41	52.00	9007320050600
0.2008		5.10	86.00	44.35	52.00	9007320051000
0.2012	#7	5.11	86.00	44.34	52.00	9007320051100
0.2031	13/64	5.16	86.00	44.26	52.00	9007320051600
0.2039	#6	5.18	86.00	44.23	52.00	9007320051800
0.2047		5.20	86.00	44.20	52.00	9007320052000
0.2055	#5	5.22	86.00	44.17	52.00	9007320052200
0.2087		5.30	86.00	44.05	52.00	9007320053000
0.2091	#4	5.31	93.00	49.04	57.00	9007320053100
0.2126		5.40	93.00	48.90	57.00	9007320054000
0.2130	#3	5.41	93.00	48.89	57.00	9007320054100
0.2165		5.50	93.00	48.75	57.00	9007320055000
0.2189	7/32	5.56	93.00	48.66	57.00	9007320055600
0.2205		5.60	93.00	48.60	57.00	9007320056000
0.2209	#2	5.61	93.00	48.59	57.00	9007320056100
0.2244		5.70	93.00	48.45	57.00	9007320057000
0.2280	#1	5.79	93.00	48.32	57.00	9007320057900
0.2283		5.80	93.00	48.30	57.00	9007320058000
0.2323		5.90	93.00	48.15	57.00	9007320059000
0.2339	A	5.94	93.00	48.09	57.00	9007320059400
0.2343	15/64	5.95	93.00	48.08	57.00	9007320059500
0.2362		6.00	93.00	48.00	57.00	9007320060000
0.2378	B	6.04	101.00	53.94	63.00	9007320060400
0.2402		6.10	101.00	53.85	63.00	9007320061000
0.2421	C	6.15	101.00	53.78	63.00	9007320061500
0.2441		6.20	101.00	53.70	63.00	9007320062000
0.2461	D	6.25	101.00	53.63	63.00	9007320062500
0.2480		6.30	101.00	53.55	63.00	9007320063000
0.2500	1/4	6.35	101.00	53.48	63.00	9007320063500
0.2520		6.40	101.00	53.40	63.00	9007320064000
0.2559		6.50	101.00	53.25	63.00	9007320065000
0.2571	F	6.53	101.00	53.21	63.00	9007320065300
0.2598		6.60	101.00	53.10	63.00	9007320066000
0.2610	G	6.63	101.00	53.06	63.00	9007320066300
0.2638		6.70	101.00	52.95	63.00	9007320067000
0.2657	17/64	6.75	109.00	58.88	69.00	9007320067500
0.2677		6.80	109.00	58.80	69.00	9007320068000
0.2717	I	6.90	109.00	58.65	69.00	9007320069000
0.2756		7.00	109.00	58.50	69.00	9007320070000
0.2768	J	7.03	109.00	58.46	69.00	9007320070300
0.2795		7.10	109.00	58.35	69.00	9007320071000
0.2811	9/32	7.14	109.00	58.29	69.00	9007320071400
0.2835		7.20	109.00	58.20	69.00	9007320072000
0.2874		7.30	109.00	58.05	69.00	9007320073000
0.2902	L	7.37	109.00	57.95	69.00	9007320073700
0.2913		7.40	109.00	57.90	69.00	9007320074000
0.2949	M	7.49	109.00	57.77	69.00	9007320074900

Diameter (d ₁)			l ₁ mm	t _{max} mm	l ₂ mm	EDP #
inch	wire/ltr	mm				
0.2953		7.50	109.00	57.75	69.00	9007320075000
0.2969	19/64	7.54	117.00	63.69	75.00	9007320075400
0.2992		7.60	117.00	63.60	75.00	9007320076000
0.3020	N	7.67	117.00	63.50	75.00	9007320076700
0.3031		7.70	117.00	63.45	75.00	9007320077000
0.3071		7.80	117.00	63.30	75.00	9007320078000
0.3110		7.90	117.00	63.15	75.00	9007320079000
0.3126	5/16	7.94	117.00	63.09	75.00	9007320079400
0.3150		8.00	117.00	63.00	75.00	9007320080000
0.3161	O	8.03	117.00	62.96	75.00	9007320080300
0.3189		8.10	117.00	62.85	75.00	9007320081000
0.3228	P	8.20	117.00	62.70	75.00	9007320082000
0.3268		8.30	117.00	62.55	75.00	9007320083000
0.3280	21/64	8.33	117.00	62.51	75.00	9007320083300
0.3307		8.40	117.00	62.40	75.00	9007320084000
0.3319	Q	8.43	117.00	62.36	75.00	9007320084300
0.3346		8.50	117.00	62.25	75.00	9007320085000
0.3386		8.60	125.00	68.10	81.00	9007320086000
0.3390	R	8.61	125.00	68.09	81.00	9007320086100
0.3425		8.70	125.00	67.95	81.00	9007320087000
0.3437	11/32	8.73	125.00	67.91	81.00	9007320087300
0.3465		8.80	125.00	67.80	81.00	9007320088000
0.3480	S	8.84	125.00	67.74	81.00	9007320088400
0.3504		8.90	125.00	67.65	81.00	9007320089000
0.3543		9.00	125.00	67.50	81.00	9007320090000
0.3579	T	9.09	125.00	67.37	81.00	9007320090900
0.3583		9.10	125.00	67.35	81.00	9007320091000
0.3594	23/64	9.13	125.00	67.31	81.00	9007320091300
0.3622		9.20	125.00	67.20	81.00	9007320092000
0.3661		9.30	125.00	67.05	81.00	9007320093000
0.3677	U	9.34	125.00	66.99	81.00	9007320093400
0.3701		9.40	125.00	66.90	81.00	9007320094000
0.3740		9.50	125.00	66.75	81.00	9007320095000
0.3748	3/8	9.52	133.00	72.72	87.00	9007320095200
0.3772	V	9.58	133.00	72.63	87.00	9007320095800
0.3780		9.60	133.00	72.60	87.00	9007320096000
0.3819		9.70	133.00	72.45	87.00	9007320097000
0.3858	W	9.80	133.00	72.30	87.00	9007320098000
0.3898		9.90	133.00	72.15	87.00	9007320099000
0.3906	25/64	9.92	133.00	72.12	87.00	9007320099200
0.3937		10.00	133.00	72.00	87.00	9007320100000
0.3969	X	10.08	133.00	71.88	87.00	9007320100800
0.4016		10.20	133.00	71.70	87.00	9007320102000
0.4039	Y	10.26	133.00	71.61	87.00	9007320102600
0.4055		10.30	133.00	71.55	87.00	9007320103000
0.4063	13/32	10.32	133.00	71.52	87.00	9007320103200
0.4130	Z	10.49	133.00	71.27	87.00	9007320104900
0.4134		10.50	133.00	71.25	87.00	9007320105000
0.4220	27/64	10.72	142.00	77.92	94.00	9007320107200
0.4331		11.00	142.00	77.50	94.00	9007320110000
0.4374	7/16	11.11	142.00	77.34	94.00	9007320111100
0.4528		11.50	142.00	76.75	94.00	9007320115000
0.4531	29/64	11.51	142.00	76.74	94.00	9007320115100
0.4689	15/32	11.91	151.00	83.14	101.00	9007320119100
0.4724		12.00	151.00	83.00	101.00	9007320120000
0.4843	31/64	12.30	151.00	82.55	101.00	9007320123000
0.5000	1/2	12.70	151.00	81.95	101.00	9007320127000

5xD Drills