

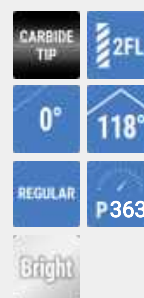
GENERAL PURPOSE

Carbide-Tip Drill For Hardened Steel



Carbide-Tip Drill

- Carbide tipped wear resistance and HSS body for toughness
- High temperature braze, extra thick tip and heavy land construction withstand the heavy feed pressure when drilling steels between 38 to 55 Rc
- Utility repairs are common use for these die drills
- 118° cam relief notch thin point for maximum edge strength



STEEL			STAINLESS		CAST IRON		NON-FERROUS		HRSA		HARDENED STEEL	
P1	P2	P3	M1	M2	K1	K2	N1	N2	S1	S2	H1	H2

● Best ○ Good

Series 150 2FL | Carbide-Tip | 118° | Regular Length | Straight Flute

Diameter(D ₁)		Flute Length(L ₁)	OAL(L)	Shank(D)	EDP
Size	Dec.				
11/64	0.1719	1-1/2	3-1/2	5/32	15001719
3/16	0.1875	1-1/2	3-1/2	11/64	15001875
5mm	0.1969	44mm	95mm	4.5mm	15001969
13/64	0.2031	1-3/4	3-3/4	3/16	15002031
5.5mm	0.2165	1-3/4	3-3/4	0.2165	15002165
7/32	0.2188	1-3/4	3-3/4	13/64	15002188
15/64	0.2344	2	4	7/32	15002344
6mm	0.2362	51mm	102mm	5.5mm	15002362
1/4	0.2500	2	4	15/64	15002500
6.5mm	0.2559	2-1/4	4-1/4	0.2559	15002559
17/64	0.2656	2-1/4	4-1/4	1/4	15002656
7mm	0.2756	57mm	108mm	6.5mm	15002756
9/32	0.2812	2-1/4	4-1/4	17/64	15002812
7.5mm	0.2953	2-1/2	4-1/2	0.2953	15002953
19/64	0.2969	2-1/2	4-1/2	9/32	15002969
5/16	0.3125	2-1/2	4-1/2	19/64	15003125
8mm	0.3150	64mm	114mm	7.5mm	15003150
21/64	0.3281	2-3/4	4-3/4	5/16	15003281
8.5mm	0.3346	2-3/4	4-3/4	0.3346	15003346
11/32	0.3438	2-3/4	4-3/4	21/64	15003438
9mm	0.3543	76mm	127mm	8.5mm	15003543
23/64	0.3594	3	5	11/32	15003594
9.5mm	0.3740	3	5	3/8	15003740
3/8	0.3750	3	5	23/64	15003750
25/64	0.3906	3	5-1/4	3/8	15003906
10mm	0.3937	76mm	133mm	9.5mm	15003937
13/32	0.4062	3	5-1/4	25/64	15004062
10.5mm	0.4134	3	5-1/2	0.4134	15004134
27/64	0.4219	3	5-1/2	13/32	15004219
11mm	0.4331	76mm	140mm	10.5mm	15004331
7/16	0.4375	3	5-1/2	27/64	15004375
11.5mm	0.4528	3-1/4	5-3/4	29/64	15004528
29/64	0.4531	3-1/4	5-3/4	7/16	15004531
15/32	0.4688	3-1/4	5-3/4	29/64	15004688
12mm	0.4724	83mm	146mm	11.5mm	15004724
31/64	0.4844	3-1/2	6	15/32	15004844
12.5mm	0.4921	3-1/2	6	0.4921	15004921
1/2	0.5000	3-1/2	6	1/2	15005000
13mm	0.5118	89mm	152mm	12.5mm	15005118
17/32	0.5312	3-1/2	6	1/2	15005312
13.5mm	0.5315	3-1/2	6	17/32	15005315
14mm	0.5512	89mm	152mm	13mm	15005512
9/16	0.5625	3-1/2	6	17/32	15005625
15mm	0.5906	102mm	178mm	14mm	15005906
19/32	0.5938	4	7	9/16	15005938

*bold numbers are EDPs for ordering

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Diameter(D ₁)		Flute Length(L ₁)	OAL(L)	Shank(D)	EDP
Size	Dec.				
5/8	0.6250	4	7	19/32	15006250
16mm	0.6299	102mm	178mm	15mm	15006299
21/32	0.6562	4-1/2	7-1/2	5/8	15006562
17mm	0.6693	114mm	191mm	16.5mm	15006693
11/16	0.6875	4-1/2	7-1/2	21/32	15006875
18mm	0.7087	121mm	203mm	17.5mm	15007087
23/32	0.7188	4-3/4	8	11/16	15007188
19mm	0.7480	121mm	203mm	18mm	15007480
3/4	0.7500	4-3/4	8	23/32	15007500
2mm	0.7874	121mm	203mm	19.5mm	15007874
13/16	0.8125	4-3/4	8	25/32	15008125
21mm	0.8268	121mm	203mm	20.5mm	15008268
22mm	0.8661	121mm	203mm	21.5mm	15008661
7/8	0.8750	4-3/4	8	27/32	15008750
23mm	0.9055	121mm	203mm	22.5mm	15009055
15/16	0.9375	4-3/4	8	29/32	15009375
24mm	0.9449	121mm	203mm	23.5mm	15009449
25mm	0.9843	121mm	203mm	24.5mm	15009843
#1	1.0000	4-3/4	8	1	15010000

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Popular Custom Holmaking Options

- Material-specific point geometry
- Longer flute lengths
- Internal coolant supply
- Proprietary GWS tool coatings

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