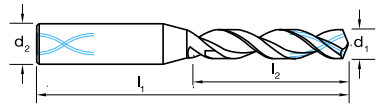


# Drills Carbide - Stub, 3 x d<sub>1</sub>



- Rigid twist drill
- Strong core
- Special point geometry with slight edge hone
- Cutting chisel edges maintain high self-centering accuracy
- Point geometry & special flute profile produce short chips
- For use in CNC machines



Catalogue Code				D323	D329
Discount Group				A0204	A0204
Material				VHM	VHM
Surface Finish				AICrN	AICrN
Colour Ring & Application				Up to 1400N/mm <sup>2</sup>	Up to 1400N/mm <sup>2</sup>
Geometry				R30°	R30° - IK
Point Type				140° Form C140°	Form C
Shank Form				HA (h6)	HA (h6)
d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	Item #	Item #
3.0	62	20	6	D323 0300	D329 0300
3.1	62	20	6	D323 0310	D329 0310
3.2	62	20	6	D323 0320	D329 0320
3.3	62	20	6	D323 0330	D329 0330
3.4	62	20	6	D323 0340	D329 0340
3.5	62	20	6	D323 0350	D329 0350
3.6	62	20	6	D323 0360	D329 0360
3.7	62	20	6	D323 0370	D329 0370
3.8	66	24	6	D323 0380	D329 0380
3.9	66	24	6	D323 0390	D329 0390
4.0	66	24	6	D323 0400	D329 0400
4.1	66	24	6	D323 0410	D329 0410
4.2	66	24	6	D323 0420	D329 0420
4.3	66	24	6	D323 0430	D329 0430
4.4	66	24	6	D323 0440	D329 0440
4.5	66	24	6	D323 0450	D329 0450
4.6	66	24	6	D323 0460	D329 0460
4.7	66	24	6	D323 0470	D329 0470
4.8	66	28	6	D323 0480	D329 0480
4.9	66	28	6	D323 0490	D329 0490
5.0	66	28	6	D323 0500	D329 0500
5.1	66	28	6	D323 0510	D329 0510
5.2	66	28	6	D323 0520	D329 0520
5.3	66	28	6	D323 0530	D329 0530
5.4	66	28	6	D323 0540	D329 0540
5.5	66	28	6	D323 0550	D329 0550
5.6	66	28	6	D323 0560	D329 0560
5.7	66	28	6	D323 0570	D329 0570
5.8	66	28	6	D323 0580	D329 0580
5.9	66	28	6	D323 0590	D329 0590
6.0	66	28	6	D323 0600	D329 0600
6.3	79	34	8	D323 0630	D329 0630
6.5	79	34	8	D323 0650	D329 0650
6.7	79	34	8	D323 0670	D329 0670
6.8	79	34	8	D323 0680	D329 0680
7.0	79	34	8	D323 0700	D329 0700
7.1	79	41	8	D323 0710	D329 0710
7.4	79	41	8	D323 0740	D329 0740
7.5	79	41	8	D323 0750	D329 0750
7.8	79	41	8	D323 0780	D329 0780
7.9	79	41	8	D323 0790	D329 0790
8.0	79	41	8	D323 0800	D329 0800
8.3	89	47	10	D323 0830	D329 0830
8.5	89	47	10	D323 0850	D329 0850

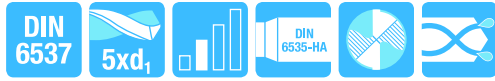
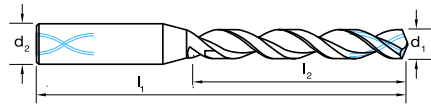


Catalogue Code				D323	D329
Discount Group				A0204	A0204
Material				VHM	VHM
Surface Finish				AICrN	AICrN
Colour Ring & Application				Up to 1400N/mm <sup>2</sup>	Up to 1400N/mm <sup>2</sup>
Geometry				R30°	R30° - IK
Point Type				140° Form C140°	Form C
Shank Form				HA (h6)	HA (h6)
d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	Item #	Item #
8.7	89	47	10	D323 0870	D329 0870
8.8	89	47	10	D323 0880	D329 0880
9.0	89	47	10	D323 0900	D329 0900
9.1	89	47	10	D323 0910	D329 0910
9.2	89	47	10	D323 0920	D329 0920
9.3	89	47	10	D323 0930	D329 0930
9.5	89	47	10	D323 0950	D329 0950
9.8	89	47	10	D323 0980	D329 0980
9.9	89	47	10	D323 0990	D329 0990
10.0	89	47	10	D323 1000	D329 1000
10.2	102	55	12	D323 1020	D329 1020
10.3	102	55	12	D323 1030	D329 1030
10.5	102	55	12	D323 1050	D329 1050
10.7	102	55	12	D323 1070	D329 1070
11.0	102	55	12	D323 1100	D329 1100
11.1	102	55	12	D323 1110	D329 1110
11.2	102	55	12	D323 1120	D329 1120
11.5	102	55	12	D323 1150	D329 1150
11.7	102	55	12	D323 1170	D329 1170
11.9	102	55	12	D323 1190	D329 1190
12.0	102	55	12	D323 1200	D329 1200
12.5	107	60	14	D323 1250	D329 1250
12.8	107	60	14	D323 1280	D329 1280
13.0	107	60	14	D323 1300	D329 1300
13.5	107	60	14	D323 1350	D329 1350
13.8	107	60	14	D323 1380	D329 1380
14.0	107	60	14	D323 1400	D329 1400
14.5	107	65	16	D323 1450	D329 1450
14.8	115	65	16	D323 1480	D329 1480
15.0	115	65	16	D323 1500	D329 1500
15.5	115	65	16	D323 1550	D329 1550
15.8	115	65	16	D323 1580	D329 1580
16.0	115	65	16	D323 1600	D329 1600
16.5	123	73	18	D323 1650	D329 1650
17.0	123	73	18	D323 1700	D329 1700
17.5	123	73	18	D323 1750	D329 1750
18.0	123	73	18	D323 1800	D329 1800
18.5	131	79	20	D323 1850	D329 1850
19.0	131	79	20	D323 1900	D329 1900
19.5	131	79	20	D323 1950	D329 1950
20.0	131	79	20	D323 2000	D329 2000

# Drills Carbide - Jobber, 5 x d<sub>1</sub>



- Standard length twist drill
- Strong core & parabolic flute style
- High self-centering accuracy
- Ideal for high volume drilling depths to 5 x d<sub>1</sub>
- Optimal chip transportation, due to flute design
- For use in CNC machines



Catalogue Code				D326	D332
Discount Group				A0204	A0204
Material				VHM	VHM
Surface Finish				AICrN	AICrN
Colour Ring & Application				Up to 1400N/mm <sup>2</sup>	Up to 1400N/mm <sup>2</sup>
Geometry				R30°	R30° - IK
Point Type				140° Form C140°	Form C
Shank Form				HA (h6)	HA (h6)
d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	Item #	Item #
3.0	66	28	6	D326 0300	D332 0300
3.1	66	28	6	D326 0310	D332 0310
3.2	66	28	6	D326 0320	D332 0320
3.3	66	28	6	D326 0330	D332 0330
3.4	66	28	6	D326 0340	D332 0340
3.5	66	28	6	D326 0350	D332 0350
3.6	66	28	6	D326 0360	D332 0360
3.7	66	28	6	D326 0370	D332 0370
3.8	74	36	6	D326 0380	D332 0380
3.9	74	36	6	D326 0390	D332 0390
4.0	74	36	6	D326 0400	D332 0400
4.1	74	36	6	D326 0410	D332 0410
4.2	74	36	6	D326 0420	D332 0420
4.3	74	36	6	D326 0430	D332 0430
4.4	74	36	6	D326 0440	D332 0440
4.5	74	36	6	D326 0450	D332 0450
4.6	74	36	6	D326 0460	D332 0460
4.7	74	36	6	D326 0470	D332 0470
4.8	82	44	6	D326 0480	D332 0480
4.9	82	44	6	D326 0490	D332 0490
5.0	82	44	6	D326 0500	D332 0500
5.1	82	44	6	D326 0510	D332 0510
5.2	82	44	6	D326 0520	D332 0520
5.3	82	44	6	D326 0530	D332 0530
5.4	82	44	6	D326 0540	D332 0540
5.5	82	44	6	D326 0550	D332 0550
5.6	82	44	6	D326 0560	D332 0560
5.7	82	44	6	D326 0570	D332 0570
5.8	82	44	6	D326 0580	D332 0580
5.9	82	44	6	D326 0590	D332 0590
6.0	82	44	6	D326 0600	D332 0600
6.3	91	53	8	D326 0630	D332 0630
6.5	91	53	8	D326 0650	D332 0650
6.7	91	53	8	D326 0670	D332 0670
6.8	91	53	8	D326 0680	D332 0680
7.0	91	53	8	D326 0700	D332 0700
7.1	91	53	8	D326 0710	D332 0710
7.4	91	53	8	D326 0740	D332 0740
7.5	91	53	8	D326 0750	D332 0750
7.8	91	53	8	D326 0780	D332 0780
7.9	91	53	8	D326 0790	D332 0790
8.0	91	53	8	D326 0800	D332 0800
8.3	103	61	10	D326 0830	D332 0830
8.5	103	61	10	D326 0850	D332 0850



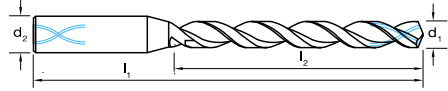
Catalogue Code				D326	D332
Discount Group				A0204	A0204
Material				VHM	VHM
Surface Finish				AICrN	AICrN
Colour Ring & Application				Up to 1400N/mm <sup>2</sup>	Up to 1400N/mm <sup>2</sup>
Geometry				R30°	R30° - IK
Point Type				140° Form C140°	Form C
Shank Form				HA (h6)	HA (h6)
d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	Item #	Item #
8.7	103	61	10	D326 0870	D332 0870
8.8	103	61	10	D326 0880	D332 0880
9.0	103	61	10	D326 0900	D332 0900
9.1	103	61	10	D326 0910	D332 0910
9.2	103	61	10	D326 0920	D332 0920
9.3	103	61	10	D326 0930	D332 0930
9.5	103	61	10	D326 0950	D332 0950
9.8	103	61	10	D326 0980	D332 0980
9.9	103	61	10	D326 0990	D332 0990
10.0	103	61	10	D326 1000	D332 1000
10.2	118	71	12	D326 1020	D332 1020
10.3	118	71	12	D326 1030	D332 1030
10.5	118	71	12	D326 1050	D332 1050
10.7	118	71	12	D326 1070	D332 1070
11.0	118	71	12	D326 1100	D332 1100
11.1	118	71	12	D326 1110	D332 1110
11.2	118	71	12	D326 1120	D332 1120
11.5	118	71	12	D326 1150	D332 1150
11.7	118	71	12	D326 1170	D332 1170
11.9	118	71	12	D326 1190	D332 1190
12.0	118	71	12	D326 1200	D332 1200
12.5	124	77	14	D326 1250	D332 1250
12.8	124	77	14	D326 1280	D332 1280
13.0	124	77	14	D326 1300	D332 1300
13.5	124	77	14	D326 1350	D332 1350
13.8	124	77	14	D326 1380	D332 1380
14.0	124	77	14	D326 1400	D332 1400
14.5	133	83	16	D326 1450	D332 1450
14.8	133	83	16	D326 1480	D332 1480
15.0	133	83	16	D326 1500	D332 1500
15.5	133	83	16	D326 1550	D332 1550
15.8	133	83	16	D326 1580	D332 1580
16.0	133	83	16	D326 1600	D332 1600
16.5	143	93	18	D326 1650	D332 1650
17.0	143	93	18	D326 1700	D332 1700
17.5	143	93	18	D326 1750	D332 1750
18.0	143	93	18	D326 1800	D332 1800
18.5	153	101	20	D326 1850	D332 1850
19.0	153	101	20	D326 1900	D332 1900
19.5	153	101	20	D326 1950	D332 1950
20.0	153	101	20	D326 2000	D332 2000

\* HB & HE Shank styles available

# Drills Carbide - Long, 8 x d<sub>1</sub>



- Long series twist drill with internal coolant ducts, strong core & parabolic flute style
- High self-centering accuracy
- Ideal for high volume drilling depths to 8 x d<sub>1</sub> without pecking
- pilot drilled hole recommended
- For use in CNC machines



Catalogue Code	<b>D335</b>
Discount Group	A0204
Material	<b>VHM</b>
Surface Finish	<b>AICrN</b>
Colour Ring & Application	<b>Up to 1400N/mm<sup>2</sup></b>
Geometry	R30° - IK
Point Type	140° Form C
Shank Form	HA (h6)

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	Item #
5.0	95	50	6	D335 0500
5.1	95	50	6	D335 0510
5.2	95	50	6	D335 0520
5.3	95	50	6	D335 0530
5.4	95	50	6	D335 0540
5.5	95	50	6	D335 0550
5.6	95	50	6	D335 0560
5.7	95	50	6	D335 0570
5.8	95	50	6	D335 0580
5.9	95	50	6	D335 0590
6.0	95	50	6	D335 0600
6.1	114	66	8	D335 0610
6.2	114	66	8	D335 0620
6.3	114	66	8	D335 0630
6.4	114	66	8	D335 0640
6.5	114	66	8	D335 0650
6.6	114	66	8	D335 0660
6.7	114	66	8	D335 0670
6.8	114	66	8	D335 0680
6.9	114	76	8	D335 0690
7.0	114	76	8	D335 0700
7.1	114	76	8	D335 0710
7.2	114	76	8	D335 0720
7.3	114	76	8	D335 0730
7.4	114	76	8	D335 0740
7.5	114	76	8	D335 0750
7.6	114	76	8	D335 0760
7.7	114	76	8	D335 0770
7.8	114	76	8	D335 0780
7.9	114	76	8	D335 0790
8.0	114	76	8	D335 0800
8.1	142	87	10	D335 0810
8.2	142	87	10	D335 0820
8.3	142	87	10	D335 0830
8.4	142	87	10	D335 0840
8.5	142	87	10	D335 0850
8.6	142	87	10	D335 0860
8.7	142	87	10	D335 0870
8.8	142	87	10	D335 0880
8.9	142	87	10	D335 0890
9.0	142	87	10	D335 0900
9.1	142	95	10	D335 0910
9.2	142	95	10	D335 0920
9.3	142	95	10	D335 0930



Catalogue Code	<b>D335</b>
Discount Group	A0204
Material	<b>VHM</b>
Surface Finish	<b>AICrN</b>
Colour Ring & Application	<b>Up to 1400N/mm<sup>2</sup></b>
Geometry	R30° - IK
Point Type	140° Form C
Shank Form	HA (h6)

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	Item #
9.4	142	95	10	D335 0940
9.5	142	95	10	D335 0950
9.6	142	95	10	D335 0960
9.7	142	95	10	D335 0970
9.8	142	95	10	D335 0980
9.9	142	95	10	D335 0990
10.0	142	95	10	D335 1000
10.1	162	106	12	D335 1010
10.2	162	106	12	D335 1020
10.3	162	106	12	D335 1030
10.4	162	106	12	D335 1040
10.5	162	106	12	D335 1050
10.6	162	106	12	D335 1060
10.7	162	106	12	D335 1070
10.8	162	106	12	D335 1080
10.9	162	106	12	D335 1090
11.0	162	106	12	D335 1100
11.1	162	114	12	D335 1110
11.2	162	114	12	D335 1120
11.3	162	114	12	D335 1130
11.4	162	114	12	D335 1140
11.5	162	114	12	D335 1150
11.6	162	114	12	D335 1160
11.7	162	114	12	D335 1170
11.8	162	114	12	D335 1180
11.9	162	114	12	D335 1190
12.0	162	114	12	D335 1200