



R520

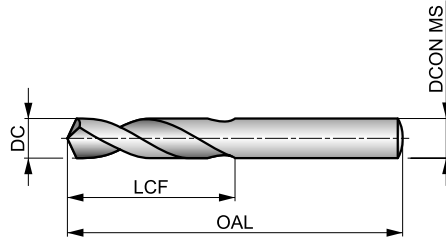


CDX Solid Carbide Stub Drill, TiN Coated

High performance Stub Drill, able to produce high quality and accurate holes at high speeds and feeds (H8 hole tolerance). The 130° point angle helps with self-centering and reduces cutting forces. TiN coating improves performance and extends the tool life. Suitable for all CNC machines and many materials.



CDX



HM	DIN 6539	2.5×D
130°	TiN	
λ 20-35°	R	DC h7

Workpiece material group suitability, starting values for cutting speed (m/min) and feed Alpha Code. Tables with feed per revolution can be found starting from page 65.

P1.1 ■ 119 X	P1.2 ■ 134 X	P1.3 ■ 138 X	P2.1 ■ 102 X	P2.2 ■ 90 X	P2.3 ■ 80 X	P3.1 ■ 81 X	P3.2 ■ 65 X	P3.3 ■ 55 X	P4.1 ■ 48 X	P4.2 ■ 41 X	P4.3 ■ 34 W	M1.1 ■ 69 W	M1.2 ■ 58 W
M2.1 ■ 61 W	M2.2 ■ 50 W	K1.1 ■ 90 Y	K1.2 ■ 67 Y	K1.3 ■ 50 Y	K2.1 ■ 80 X	K2.2 ■ 65 X	K2.3 ■ 52 X	K3.1 ■ 71 X	K3.2 ■ 54 X	K3.3 ■ 44 X	K4.1 ■ 66 X	K4.2 ■ 49 X	K4.3 ■ 36 X
K4.4 ■ 31 X	K4.5 ■ 26 X	K5.1 ■ 74 X	K5.2 ■ 56 X	K5.3 ■ 43 X	N1.1 ■ 225 Z	N1.2 ■ 169 Z	N1.3 ■ 113 Z	N2.1 ■ 231 Y	N2.2 ■ 208 Y	N2.3 ■ 150 Y	N4.1 ■ 75 Z	N4.2 ■ 115 V	S1.1 ■ 60 W
S1.2 ■ 45 V	S1.3 ■ 35 U	H1.1 ■ 65 U	H2.1 ■ 38 U	H2.2 ■ 36 T	H3.1 ■ 43 U	H3.2 ■ 35 U							

DCON MS tolerance h7.

Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]	[mm]	[mm]	[mm]
R5203.0	–	3.00	0.1181	16.0	46.0	3.00
R5203.1	–	3.10	0.1220	18.0	49.0	3.10
R5201/8	1/8	3.18	0.1252	18.0	49.0	3.18
R5203.2	–	3.20	0.1260	18.0	49.0	3.20
R5203.3	–	3.30	0.1299	18.0	49.0	3.30
R5203.4	–	3.40	0.1339	20.0	52.0	3.40
R5203.5	–	3.50	0.1378	20.0	52.0	3.50
R5203.6	–	3.60	0.1417	20.0	52.0	3.60
R5203.7	–	3.70	0.1457	20.0	52.0	3.70
R5203.8	–	3.80	0.1496	22.0	55.0	3.80
R5203.9	–	3.90	0.1535	22.0	55.0	3.90
R5204.0	–	4.00	0.1575	22.0	55.0	4.00
R5204.1	–	4.10	0.1614	22.0	55.0	4.10
R5204.2	–	4.20	0.1654	22.0	55.0	4.20
R5204.3	–	4.30	0.1693	24.0	58.0	4.30
R5204.4	–	4.40	0.1732	24.0	58.0	4.40
R5204.5	–	4.50	0.1772	24.0	58.0	4.50
R5204.6	–	4.60	0.1811	24.0	58.0	4.60
R5204.7	–	4.70	0.1850	24.0	58.0	4.70
R5204.8	–	4.80	0.1890	26.0	62.0	4.80
R5204.9	–	4.90	0.1929	26.0	62.0	4.90
R5205.0	–	5.00	0.1969	26.0	62.0	5.00
R5205.1	–	5.10	0.2008	26.0	62.0	5.10
R5205.2	–	5.20	0.2047	26.0	62.0	5.20
R5205.3	–	5.30	0.2087	26.0	62.0	5.30

Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]	[mm]	[mm]	[mm]
R5205.4	–	5.40	0.2126	28.0	66.0	5.40
R5205.5	–	5.50	0.2165	28.0	66.0	5.50
R5205.6	–	5.60	0.2205	28.0	66.0	5.60
R5205.7	–	5.70	0.2244	28.0	66.0	5.70
R5205.8	–	5.80	0.2283	28.0	66.0	5.80
R5205.9	–	5.90	0.2323	28.0	66.0	5.90
R5206.0	–	6.00	0.2362	28.0	66.0	6.00
R5206.1	–	6.10	0.2402	31.0	70.0	6.10
R5206.2	–	6.20	0.2441	31.0	70.0	6.20
R5206.3	–	6.30	0.2480	31.0	70.0	6.30
R5201/4	1/4	6.35	0.2500	31.0	70.0	6.35
R5206.4	–	6.40	0.2520	31.0	70.0	6.40
R5206.5	–	6.50	0.2559	31.0	70.0	6.50
R5206.6	–	6.60	0.2598	31.0	70.0	6.60
R5206.7	–	6.70	0.2638	31.0	70.0	6.70
R5206.8	–	6.80	0.2677	34.0	74.0	6.80
R5206.9	–	6.90	0.2717	34.0	74.0	6.90
R5207.0	–	7.00	0.2756	34.0	74.0	7.00
R5207.1	–	7.10	0.2795	34.0	74.0	7.10
R5207.2	–	7.20	0.2835	34.0	74.0	7.20
R5207.3	–	7.30	0.2874	34.0	74.0	7.30
R5207.4	–	7.40	0.2913	34.0	74.0	7.40
R5207.5	–	7.50	0.2953	34.0	74.0	7.50
R5207.6	–	7.60	0.2992	37.0	79.0	7.60
R5207.7	–	7.70	0.3031	37.0	79.0	7.70



Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]	[mm]	[mm]	[mm]
R5207.8	–	7.80	0.3071	37.0	79.0	7.80
R5207.9	–	7.90	0.3110	37.0	79.0	7.90
R5205/16	5/16	7.94	0.3126	37.0	79.0	7.94
R5208.0	–	8.00	0.3150	37.0	79.0	8.00
R5208.1	–	8.10	0.3189	37.0	79.0	8.10
R5208.2	–	8.20	0.3228	37.0	79.0	8.20
R5208.3	–	8.30	0.3268	37.0	79.0	8.30
R5208.4	–	8.40	0.3307	37.0	79.0	8.40
R5208.5	–	8.50	0.3346	37.0	79.0	8.50
R5208.6	–	8.60	0.3386	40.0	84.0	8.60
R5208.7	–	8.70	0.3425	40.0	84.0	8.70
R5208.8	–	8.80	0.3465	40.0	84.0	8.80
R5208.9	–	8.90	0.3504	40.0	84.0	8.90
R5209.0	–	9.00	0.3543	40.0	84.0	9.00
R5209.1	–	9.10	0.3583	40.0	84.0	9.10
R5209.2	–	9.20	0.3622	40.0	84.0	9.20
R5209.3	–	9.30	0.3661	40.0	84.0	9.30
R5209.4	–	9.40	0.3701	40.0	84.0	9.40
R5209.5	–	9.50	0.3740	40.0	84.0	9.50
R5203/8	3/8	9.52	0.3748	43.0	89.0	9.52
R5209.6	–	9.60	0.3780	43.0	89.0	9.60
R5209.7	–	9.70	0.3819	43.0	89.0	9.70
R5209.8	–	9.80	0.3858	43.0	89.0	9.80
R5209.9	–	9.90	0.3898	43.0	89.0	9.90

Product	DC	DC	DC	LCF	OAL	DCON MS
	[inch]	[mm]	[inch]	[mm]	[mm]	[mm]
R52010.0	–	10.00	0.3937	43.0	89.0	10.00
R52010.1	–	10.10	0.3976	43.0	89.0	10.10
R52010.2	–	10.20	0.4016	43.0	89.0	10.20
R52010.3	–	10.30	0.4055	43.0	89.0	10.30
R52010.4	–	10.40	0.4094	43.0	89.0	10.40
R52010.5	–	10.50	0.4134	43.0	89.0	10.50
R52011.0	–	11.00	0.4331	47.0	95.0	11.00
R5207/16	7/16	11.11	0.4374	47.0	95.0	11.11
R52011.2	–	11.20	0.4409	47.0	95.0	11.20
R52011.5	–	11.50	0.4528	47.0	95.0	11.50
R52012.0	–	12.00	0.4724	51.0	102.0	12.00
R52012.5	–	12.50	0.4921	51.0	102.0	12.50
R5201/2	1/2	12.70	0.5000	51.0	102.0	12.70
R52013.0	–	13.00	0.5118	51.0	102.0	13.00
R52013.5	–	13.50	0.5315	54.0	107.0	13.50
R52014.0	–	14.00	0.5512	54.0	107.0	14.00
R52014.2	–	14.20	0.5591	56.0	111.0	14.20
R52014.25	–	14.25	0.5610	56.0	111.0	14.25
R52014.5	–	14.50	0.5709	56.0	111.0	14.50
R52015.0	–	15.00	0.5906	56.0	111.0	15.00
R52015.1	–	15.10	0.5945	58.0	115.0	15.10
R5205/8	5/8	15.88	0.6252	58.0	115.0	15.88
R52016.0	–	16.00	0.6299	58.0	115.0	16.00
R52016.5	–	16.50	0.6496	60.0	119.0	16.50