

X5070 Blue Nanograin



X5070 BLUE NANOGRAIN CARBIDE

THE ULTIMATE TOOL for ultra performance machining of hardened steels and heat resistant super alloys

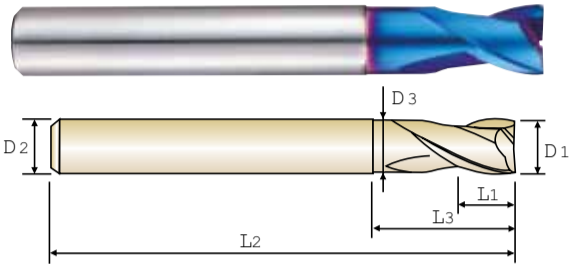
- For ultra high speed machining of high hardened materials.
- Suitable for dry cutting and high speed cutting.
- Nanograin carbide substrate provides ultimate tool life and wear resistance.
- Excellent workpiece finish.

Applications

Carbon Steels	Alloy Steels	Pre Hard. Steels	Hardened Steels		High Hard. Steels	Copper	Graphite	Cast Iron	Aluminium	Stainless Steel	Exotics (Titanium Inconel etc)	Plastic	Composites
~HB225	HB225-325	HRC30-40	HRC40-45	HRC45-55	HRC55-70								

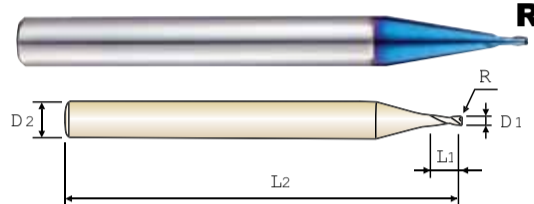
● Excellent ○ Good

2 FLUTE STANDARD LENGTH X-5070 BLUE NANOGRAIN CARBIDE SLOT DRILLS



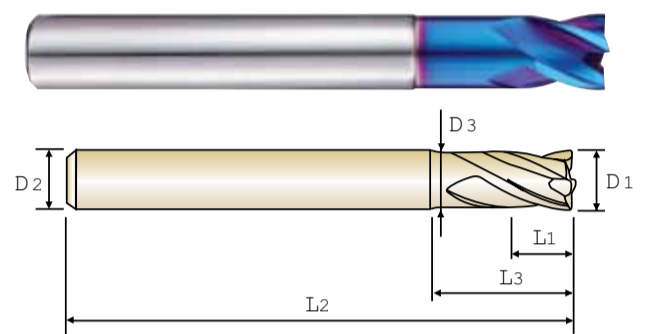
MILL DIA	SHANK DIA	L1	L3	L2	D3	ORDER CODE	1-4 £ (EACH)	5+ £ (EACH)
D	D2							
0.1	4	0.2	-	40	-	G8A01001	£33.14	£29.83
0.2	4	0.4	-	40	-	G8A01002	£25.80	£23.22
0.3	4	0.6	-	40	-	G8A01003	£22.80	£20.52
0.4	4	0.8	-	40	-	G8A01004	£20.02	£18.02
0.5	4	1	-	40	-	G8A01005	£18.35	£16.52
0.6	4	1.2	-	40	-	G8A01006	£18.35	£16.52
0.7	4	1.4	-	40	-	G8A01007	£18.35	£16.52
0.8	4	1.6	-	40	-	G8A01008	£18.35	£16.52
0.9	4	2	-	40	-	G8A01009	£18.35	£16.52
1	6	1.5	3	50	0.95	G8A01010	£18.35	£16.52
1.5	6	1.7	4	50	1.45	G8A01015	£18.35	£16.52
2	6	2	5	50	1.95	G8A01020	£18.35	£16.52
2.5	6	2.5	6	55	2.40	G8A01025	£18.35	£16.52
3	6	3	8	55	2.85	G8A01030	£18.35	£16.52
3.5	6	3.5	9	55	3.35	G8A01035	£18.35	£16.52
4	6	4	10	55	3.85	G8A01040	£18.35	£16.52
5	6	5	13	55	4.85	G8A01050	£18.35	£16.52
6	6	6	15	55	5.85	G8A01060	£18.35	£16.52
8	8	8	20	65	7.7	G8A01080	£22.47	£20.22
10	10	10	25	75	9.7	G8A01100	£24.10	£21.69
12	12	12	28	85	11.7	G8A01120	£46.60	£41.94
16	16	16	32	90	15.7	G8A01160	£77.95	£70.16

2 FLUTE CORNER RADIUS MINIATURE X-5070 BLUE NANOGRAIN CARBIDE SLOT DRILLS



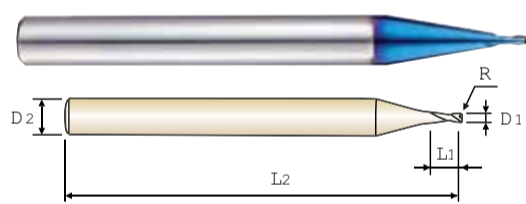
MILL DIA	RAD	SHANK DIA	L1	L2	ORDER CODE	1-4 £ (EACH)	5+ £ (EACH)
D	R	D2					
0.3	-	6	0.45	50	G8A50003	£26.80	£24.12
0.4	-	6	0.6	50	G8A50004	£25.15	£22.64
0.5	0.05	6	0.7	50	G8A50005	£21.87	£19.68
0.6	0.05	6	0.9	50	G8A50006	£21.04	£18.94
0.8	0.05	6	1.2	50	G8A50008	£19.39	£17.45
1	0.10	6	1.5	50	G8A50010	£18.58	£16.72
1.2	0.10	6	1.8	50	G8A50012	£18.58	£16.72
1.5	0.15	6	2.2	50	G8A50015	£18.58	£16.72
2	0.15	6	2.2	50	G8A50020	£16.84	£15.16

4 FLUTE STANDARD LENGTH X-5070 BLUE NANOGRAIN END MILLS



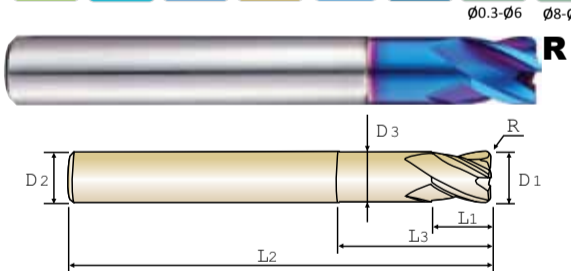
MILL DIA	SHANK DIA	L1	L3	L2	D3	ORDER CODE	1-4 £ (EACH)	5+ £ (EACH)
D	D2							
1	6	1.5	3	50	0.95	G8A02010	£18.35	£16.52
2	6	2	5	50	1.95	G8A02020	£18.35	£16.52
3	6	3	8	55	2.85	G8A02030	£18.35	£16.52
4	6	4	10	55	3.85	G8A02040	£18.35	£16.52
5	6	5	13	55	4.85	G8A02050	£18.35	£16.52
6	6	6	15	55	5.85	G8A02060	£18.35	£16.52
8	8	8	20	65	7.7	G8A02080	£22.47	£20.22
10	10	10	25	75	9.7	G8A02100	£33.47	£30.12
12	12	12	28	85	11.7	G8A02120	£46.60	£41.94
16	16	16	32	90	15.7	G8A02160	£75.06	£67.55
20	20	20	40	105	19.7	G8A02200	£127.88	£115.09

2 FLUTE BALL NOSED MINIATURE X-5070 BLUE NANOGRAIN CARBIDE SLOT DRILLS



MILL DIA	RAD	SHANK DIA	L1	L2	ORDER CODE	1-4 £ (EACH)	5+ £ (EACH)
D	R	D2					
0.5	0.25	0.5	6	50	G8A53005	£28.32	£25.49
0.6	0.30	0.6	6	50	G8A53006	£25.95	£23.36
0.8	0.40	0.8	6	50	G8A53008	£21.17	£19.05
1	0.50	1.0	6	50	G8A53010	£19.93	£17.94
1.2	0.60	1.2	6	50	G8A53012	£19.93	£17.94
1.2	0.10	6	1.8	50	G8A50012	£18.58	£16.72
1.5	0.15	6	2.2	50	G8A50015	£18.58	£16.72
2	0.15	6	2.2	50	G8A50020	£16.84	£15.16

4 FLUTE CORNER RADIUS STANDARD LENGTH X-5070 BLUE NANOGRAIN CARBIDE END MILLS



MILL DIA	RAD	SHANK DIA	L1	L3	L2	D3	ORDER CODE	1-4 £ (EACH)	5+ £ (EACH)
D	R	D2							
3	0.3	6	4	20	55	2.85	G8A47918	£20.17	£18.15
3	0.5	6	4	20	55	2.85	G8A47902	£20.17	£18.15
4	0.3	6	5	20	55	3.85	G8A47921	£20.17	£18.15
4	0.5	6	5	20	55	3.85	G8A47904	£20.17	£18.15
4	1.0	6	5	12	55	3.85	G8A47922	£20.17	£18.15
6	0.5	6	7	20	60	5.85	G8A47060	£20.17	£18.15
6	1.0	6	7	20	60	5.85	G8A47905	£20.17	£18.15
6	1.5	6	7	20	60	5.85	G8A47906	£20.17	£18.15
8	0.5	8	9	25	60	7.7	G8A47910	£25.56	£23.00
8	1.0	8	9	25	60	7.7	G8A47080	£25.56	£23.00
8	1.5	8	9	25	60	7.7	G8A47907	£25.56	£23.00
8	2.0	8	9	25	60	7.7	G8A47913	£25.56	£23.00
10	0.5	10	11	32	70	9.7	G8A47911	£38.26	£34.43
10	1.0	10	11	32	70	9.7	G8A47100	£38.26	£34.43
10	1.5	10	11	32	70	9.7	G8A47908	£38.26	£34.43
10	2.0	10	11	32	70	9.7	G8A47914	£38.26	£34.43
12	0.5	12	12	38	80	11.7	G8A47912	£52.80	£47.52
12	1.0	12	12	38	80	11.7	G8A47120	£52.80	£47.52



2 FLUTE STANDARD LENGTH BALL NOSE X-5070 BLUE NANOGRAIN SLOT DRILLS



MILL DIA	RAD	SHANK DIA	L1	L3	L2	D3	ORDER CODE	1-4 £ (EACH)	5+ £ (EACH)
D	R	D2							
1	0.5	6	1.5	3	50	0.95	G8A28010	£25.04	£22.54
1.5	0.75	6	2	4	50	1.45	G8A28015	£23.09	£20.78
2	1.0	6	2.5	5	50	1.95	G8A28020	£23.09	£20.78
2.5	1.25	6	3	7	50	2.4	G8A28025	£23.09	£20.78
3	1.5	6	4	10	60	2.85	G8A28030	£23.09	£20.78
3.5	1.75	6	4.5	10	60	3.35	G8A28035	£23.09	£20.78
4	2	6	5	10	60	3.85	G8A28040	£23.09	£20.78
4.5	2.25	6	5.5	10	60	4.35	G8A28045	£24.84	£22.36
5	2.5	6	6	12	60	4.85	G8A28050	£24.84	£22.36
6	3.0	6	7	15	60	5.85	G8A28060	£24.86	£22.37
6	3.0	6	9	30	90	5.85	G8A28903	£39.94	£35.95
8	4.0	8	9	15	60	7.7	G8A28901	£41.02	£36.92
8	4.0	8	9	15	80	7.7	G8A28080	£41.68	£37.51