
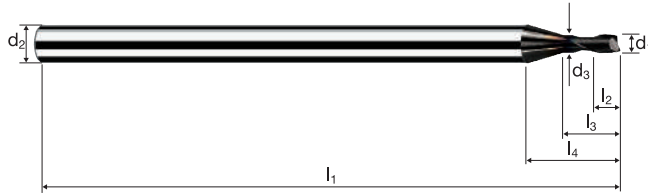


# Square end mills Microcut-C3

Shank  $\varnothing$  3mm, cylindrical neck, 3xd

**HM**  
**MG10**

$\lambda$  **25°**  
 $\gamma$  **6°**

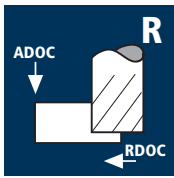
**C**  
Graphite

**CF/GF**  
Fiber Reinforced Plastics

Order-N°	d <sub>1</sub> ±0.01	d <sub>2</sub> h6	d <sub>3</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	45°	α	fl	DIAMOND
<b>B5712020</b>	0.2	3	0.18	40	0.24	0.60	8.86	-	9.4°	2	●
<b>B5712030</b>	0.3	3	0.25	40	0.36	0.90	8.96	-	9.0°	2	●
<b>B5712040</b>	0.4	3	0.35	40	0.48	1.20	8.98	-	8.5°	2	●
<b>B5712050</b>	0.5	3	0.45	40	0.60	1.50	6.65	-	11.5°	2	●
<b>B5712060</b>	0.6	3	0.55	40	0.72	1.80	6.77	-	11.9°	2	●
<b>B5712080</b>	0.8	3	0.75	40	0.96	2.40	6.99	-	9.6°	2	●
<b>B5712100</b>	1.0	3	0.95	50	1.20	3.00	7.22	0.07	8.5°	2	●
<b>B5712108</b>	1.2	3	1.10	50	1.44	3.60	7.54	0.07	7.4°	2	●
<b>B5712120</b>	1.5	3	1.40	50	1.80	4.50	7.88	0.07	5.9°	2	●
<b>B5712140</b>	2.0	3	1.90	50	2.40	6.00	8.45	0.10	3.7°	2	●
<b>B5712160</b>	2.5	3	2.30	50	3.00	7.50	9.20	0.10	1.7°	2	●
<b>B5712180</b>	3.0	3	2.80	50	3.60	8.56	9.00	0.10	0.0°	2	●

IX

### Application



### Material

Graphite

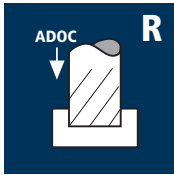
**B**

d1 [mm]	f1	FPT [mm]	ADOC [mm]	RDOC [mm]	RPM =	RPM =	RPM =	RPM =
					15000 min <sup>-1</sup> Feed [mm/min]	25000 min <sup>-1</sup> Feed [mm/min]	30000 min <sup>-1</sup> Feed [mm/min]	45000 min <sup>-1</sup> Feed [mm/min]
0.2	2	0.002	0.10	0.10	60	100	120	180
0.3	2	0.003	0.15	0.20	90	150	180	270
0.4	2	0.004	0.20	0.25	120	200	240	360
0.5	2	0.005	0.25	0.30	150	250	300	450
0.6	2	0.006	0.25	0.35	180	300	360	540
0.8	2	0.008	0.35	0.50	240	400	480	720
1.0	2	0.009	0.45	0.60	270	450	540	810
1.2	2	0.011	0.55	0.70	330	550	660	990
1.5	2	0.014	0.70	0.90	420	700	840	1260

Graphite

**B**

2.0	2	0.019	0.90	1.20	570	950	1140	1710
2.5	2	0.024	1.15	1.50	720	1200	1440	2160
3.0	2	0.028	1.35	1.80	840	1400	1680	2520



Graphite

**B**

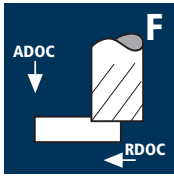
0.2	2	0.001	0.10	0.20	30	50	60	90
0.3	2	0.002	0.15	0.30	60	100	120	180
0.4	2	0.003	0.20	0.40	90	150	180	270
0.5	2	0.004	0.25	0.50	120	200	240	360
0.6	2	0.004	0.25	0.60	120	200	240	360
0.8	2	0.006	0.35	0.80	180	300	360	540
1.0	2	0.007	0.45	1.00	210	350	420	630
1.2	2	0.009	0.55	1.20	270	450	540	810
1.5	2	0.011	0.70	1.50	330	550	660	990

Graphite

**B**

2.0	2	0.015	0.90	2.00	450	750	900	1350
2.5	2	0.018	1.15	2.50	540	900	1080	1620
3.0	2	0.022	1.35	3.00	660	1100	1320	1980

### Application



### Material

Graphite

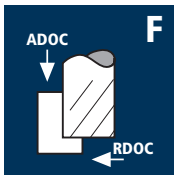
**B**

d1 [mm]	f1	FPT [mm]	ADOC [mm]	RDOC [mm]	RPM =	RPM =	RPM =	RPM =
					15000 min <sup>-1</sup> Feed [mm/min]	25000 min <sup>-1</sup> Feed [mm/min]	30000 min <sup>-1</sup> Feed [mm/min]	45000 min <sup>-1</sup> Feed [mm/min]
0.2	2	0.002	0.03	0.04	60	100	120	180
0.3	2	0.003	0.04	0.06	90	150	180	270
0.4	2	0.004	0.06	0.08	120	200	240	360
0.5	2	0.005	0.07	0.10	150	250	300	450
0.6	2	0.006	0.08	0.12	180	300	360	540
0.8	2	0.009	0.11	0.16	270	450	540	810
1.0	2	0.011	0.14	0.20	330	550	660	990
1.2	2	0.013	0.17	0.24	390	650	780	1170
1.5	2	0.016	0.21	0.30	480	800	960	1440

Graphite

**B**

2.0	2	0.021	0.28	0.40	630	1050	1260	1890
2.5	2	0.027	0.35	0.50	810	1350	1620	2430
3.0	2	0.032	0.42	0.60	960	1600	1920	2880



Graphite

**B**

0.2	2	0.002	0.04	0.04	60	100	120	180
0.3	2	0.003	0.05	0.05	90	150	180	270
0.4	2	0.004	0.07	0.07	120	200	240	360
0.5	2	0.005	0.09	0.09	150	250	300	450
0.6	2	0.006	0.11	0.11	180	300	360	540
0.8	2	0.009	0.14	0.14	270	450	540	810
1.0	2	0.011	0.18	0.18	330	550	660	990
1.2	2	0.013	0.22	0.22	390	650	780	1170
1.5	2	0.016	0.27	0.27	480	800	960	1440

Graphite

**B**

2.0	2	0.021	0.36	0.36	630	1050	1260	1890
2.5	2	0.027	0.45	0.45	810	1350	1620	2430
3.0	2	0.032	0.54	0.54	960	1600	1920	2880