

2 FLUTE, BALL NOSE, LONG LENGTH

G9438 SERIES FLAT SHANK

- ▶ Suitable for dry milling applications at high temperatures.
- ▶ Excellent high-performance end mills.
- ▶ Designed for milling of radius bottom slots, fillets and special contours.



Unit : mm

EDP No.	R ± 0.02	MILL DIAMETER	SHANK DIAMETER	LENGTH OF CUT	OVERALL LENGTH
G9438020	R 1.0	2.0	● 3	6	38
G9438030	R 1.5	3.0	6	7	57
G9438040	R 2.0	4.0	6	8	57
G9438050	R 2.5	5.0	6	10	57
G9438060	R 3.0	6.0	6	10	57
G9438080	R 4.0	8.0	8	16	63
G9438100	R 5.0	10.0	10	19	72
G9438120	R 6.0	12.0	12	22	83
G9438140	R 7.0	14.0	14	22	83
G9438160	R 8.0	16.0	16	26	92
G9438180	R 9.0	18.0	18	26	92
G9438200	R 10.0	20.0	20	32	104

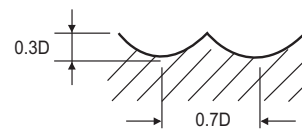
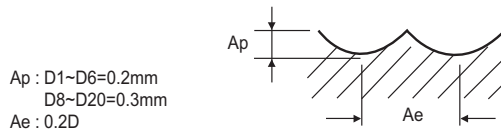
● with plain shank

MILL DIA. TOLERANCE(mm)	SHANK DIA. TOLERANCE
0 - 0.030	h6

2 FLUTE, BALL NOSE

▶ G9624, G9A70, G9437, G9438, G9454, G9455 SERIES

MATERIAL	CARBON STEELS, ALLOY STEELS, TOOL STEELS		CARBON STEELS, ALLOY STEELS, TOOL STEELS		HARDENED STEELS		CAST IRON		ALUMINUM ALLOYS	
HARDNESS	~ HRC 30		HRc 30 ~ HRc 45		HRc 45 ~ HRc 50					
STRENGTH	~ 1000N/mm ²		1000 ~ 1500N/mm ²		1500N/mm ² ~					
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
2	12350	640	9150	415	4000	125	10500	220	30800	395
3	11400	575	8550	390	3800	125	7050	230	20500	395
4	8950	630	7150	450	3600	150	5150	285	15400	395
5	7800	700	6200	490	3100	150	4150	330	12100	470
6	7250	870	5900	705	2700	160	3400	360	10300	470
8	6100	1090	4900	785	2050	190	2500	460	7900	540
10	5450	1330	4350	870	1750	190	2050	460	6150	540
12	4990	1500	3950	950	1500	210	1750	460	5150	630
14	4530	1495	3600	925	1300	210	1400	460	4300	630
16	4085	1470	3200	905	1150	210	1300	460	3850	540
18	3800	1425	3000	890	1050	210	1100	460	3400	540
20	3550	1425	2800	885	950	210	1050	420	2950	540



※ The FEED, in long & extra long types, should be reduced by around 50%

RPM = rev./min. Feed = mm/min.