

YG X5070 END MILLS

PLAIN SHANK **G8B54** SERIES

CARBIDE, 4 FLUTE STUB LENGTH CORNER RADIUS HIGH FEED (long shank)
● VOLLHARTMETALL, 4 SCHNEIDEN EXTER KURZ ECKENRADIUS HOCHVORSCHUB
● Fraise carbure, 4 dents, torique, grande avance, extra-courte
● 4 TAGLIENTI, TORICA EXTRA LUNGA

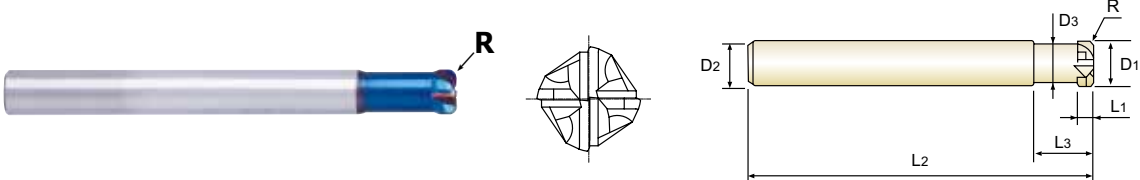
- ▶ Excellent wear resistance at heavy feed rates on high hardened material.

▶ Designed with reduced clearance angles and short flutes for strength.

▶ High hardness & heat resistance coating for long life in dry applications.
- ▶ Hervorragende Verschleißeigenschaften bei hohen Schnittwerten in gehärteten Materialien

▶ Mit reduzierten Freiwinkeln und kurzen Spannuten für hohe Festigkeiten konstruiert.

▶ Große Härte u. hitzebeständige Beschichtung für lange Lebensdauer bei Trockenbearbeitung



CARBIDE

4

0°

±0.005

PLAIN

BLUE

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Plain Shank	Page
HYDRAULIC CHUCK SHRINK FIT HOLDER	D15-46 D47-72
POWER MILLING CHUCK	D161-176
ER COLLET CHUCK SK SLIM CHUCK	D73-116 D183-201

Unit : mm							
EDP No.	Corner Radius	Mill Diameter	Shank Diameter	Length of Cut	Length Below Shank	Overall Length	Neck Diameter
	R (±0.005)	D1	D2	L1	L3	L2	D3
G8B5402005	R0.5	2.0	6	1	6	70	1.8
G8B5403005	R0.5	3.0	6	1.2	8	70	2.8
G8B5404005	R0.5	4.0	6	1.5	10	70	3.8
G8B5405005	R0.5	5.0	6	2	10	70	4.6
G8B5406005	R0.5	6.0	6	2.5	12	90	5.4
G8B5406010	R1.0	6.0	6	2.5	12	90	5.4
G8B5408010	R1.0	8.0	8	3.5	16	100	7.2
G8B5408020	R2.0	8.0	8	3.5	16	100	7.2
G8B5410010	R1.0	10.0	10	4	20	100	9
G8B5410020	R2.0	10.0	10	4	20	100	9
G8B5412020	R2.0	12.0	12	5	25	110	11
G8B5412030	R3.0	12.0	12	5	25	110	11
G8B5416030	R3.0	16.0	16	6.5	30	130	15

Due to the characteristics of the blue decoration layer, it might be erased during short term use and the color layer might not be uniformed. However, it doesn't affect the performance of the tool.

Mill Dia. Tolerance (mm)	Corner Radius Tolerance (mm)	Shank Dia. Tolerance
0 ~ -0.02	± 0.005	h5

Comparison of the endteeth shape

High Feed End Mill

Normal End Mill

Reduced clearance angles and short flutes strengthens corner radius and reduces chattering

Extra-short flute length for high rigidity

Heavy core with reduced diameter allows greater depths and maximum rigidity

P															
Material Description															
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
HRc	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180
HB															
Recommend															
M															
Material Description															
VDI 3323	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
HRc	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180
HB															
Recommend															
K															
Material Description															
VDI 3323	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
HRc	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180
HB															
Recommend															
N															
Material Description															
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
HRc	60	100	75	90	130	110	90	100			15	30	25	38	34
HB											200	280	250	350	320
Recommend															
S															
Material Description															
VDI 3323	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
HRc	60	100	75	90	130	110	90	100			15	30	25	38	34
HB											200	280	250	350	320
Recommend															
H															
Material Description															
VDI 3323	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
HRc	60	100	75	90	130	110	90	100			15	30	25	38	34
HB											200	280	250	350	320
Recommend															