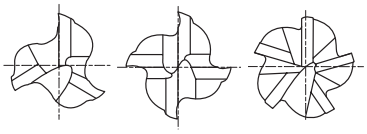
CARBIDE, MULTI FLUTE LONG LENGTH ROUGHING - COARSE

VOLLHARTMETALL, MEHRSCHNEIDEN LANG SCHRUPPFRÄSER - GROB
FRAISE CARBURE, MULTI-DENTS, ÉBAUCHE, PAS GROSSIER, LONGUE
3 - 4 - 5 TAGLIENTI, PER SGROSSATURA, SERIE LUNGA - BOMBATO GROSSO

- Suitable for dry milling applications at high temperatures.
- Excellent high-performance end mills.
- Fast chip ejection.

- Für die Trockenbearbeitung.
- Hervorragendes Preis - Leistungsverhältnis.
- Guter Spanauswurf.





CARBIDE | NR | 3-5 | 30° | DIN 6535HB | C x 45° | X Coating

p.C645

Recommended ToolHolder

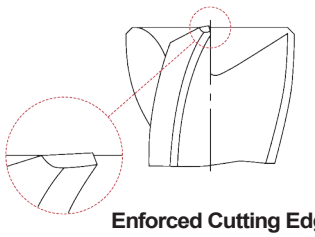
	Flat Shank	Plain Shank
◎	END MILL HOLDER	HYDRAULIC CHUCK POWER MILLING CHUCK
◎	-	SHRINK FIT HOLDER
○	-	ER COLLET CHUCK SK SLIM CHUCK

Unit : mm

EDP No.	Mill Diameter h10	Shank Diameter h5	Length of Cut	Overall Length	No. of Flute	Chamfer
G9A42060	6.0	6	16	57	3.00	0.60
G9A42080	8.0	8	16	63	3.00	0.60
G9A42100	10.0	10	22	72	4.00	0.60
G9A42120	12.0	12	26	83	4.00	0.74
G9A42140	14.0	14	26	83	4.00	0.94
G9A42160	16.0	16	32	92	4.00	0.94
G9A42180	18.0	18	32	92	4.00	0.94
G9A42200	20.0	20	38	104	4.00	0.94
G9A42250	25.0	25	45	121	5.00	0.94

Tolerances according to DIN 7160 & 7161

Tolerance range in ㎛	Nominal-Diameter in ㎜				
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30
h10	0 - 40	0 - 48	0 - 58	0 - 70	0 - 84
h5	0 - 4	0 - 5	0 - 6	0 - 8	0 - 9



Enforced Cutting Edge

◎ : Excellent ○ : Good

ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommend	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	○	○	○	○	○	○	○	○	○

ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommend	○	○	○	○	○	○	○	○			○	○	○	○	○	○	○			○	