



PLAIN SHANK

E5742 SERIES

FLAT SHANK

E5711 SERIES

CARBIDE, 3 FLUTE LONG LENGTH ROUGHING

- VOLLHARTMETALL, 3 SCHNEIDEN LANG SCHRUPPFRÄSER
- Fraise carbure, 3 dents, ébauche, longue
- 3 TAGLIENTI, PER SGROSSATURA, SERIE LUNGA

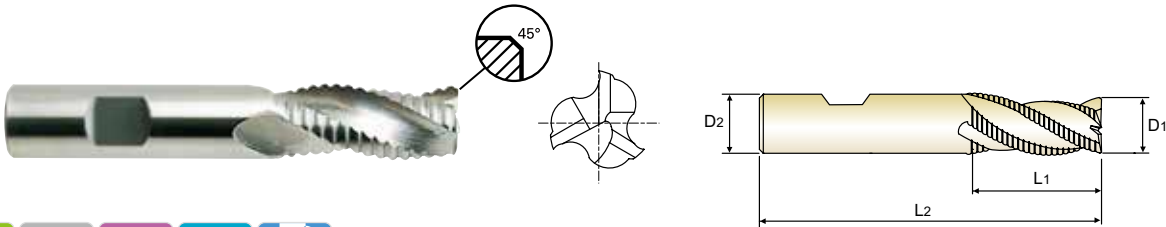
- Excellent cutting qualities on aluminum and copper

► Increased tool life and higher cutting accuracy

► Mirror surface - Excellent surface finish
- Ausgezeichnete Schneideigenschaften in Aluminium, Kupfer

► Verbesserte Standzeiten und höhere Fräsgenauigkeit.

► Spiegel-Oberfläche - Hervorragendes Oberflächenfinishing.



CARBIDE

YG STD

WR

3

30°

DIN 6535HA

DIN 6535HB

C x 45°

UNCOATED

p.C473

Recommended ToolHolder	Flat Shank	Page	Plain Shank	Page
	END MILL HOLDER	D118 - 137	HYDRAULIC CHUCK	D15 - 46
	-	-	SHRINK FIT HOLDER	D47 - 72
	-	-	POWER MILLING CHUCK	D161 - 176
	-	-	ER COLLET CHUCK	D73 - 116

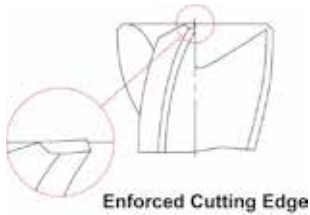
Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall length	Chamfer
PLAIN	FLAT	D1	D2	L1	L2	
E5742060	E5711060	6.0	6	16	57	0.60
E5742070	E5711070	7.0	8	16	63	0.60
E5742080	E5711080	8.0	8	16	63	0.60
E5742090	E5711090	9.0	10	19	72	0.60
E5742100	E5711100	10.0	10	22	72	0.60
E5742120	E5711120	12.0	12	26	83	0.60
E5742140	E5711140	14.0	14	26	83	0.91
E5742160	E5711160	16.0	16	32	92	0.91
E5742180	E5711180	18.0	18	32	92	0.91
E5742200	E5711200	20.0	20	38	104	0.91
E5742250	E5711250	25.0	25	45	121	0.91

► TIN, TiCN and TiAlN Coatings are available on your request.

Tolerances according to DIN 7160 & 7161

Tolerance range in µm					
Nominal-Diameter in mm					
	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



◎ : Excellent ○ : Good

ISO	P										M					K				
Material Description	Non-alloy steel					Low alloy steel					High alloyed steel, and tool steel					Stainless steel				
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc	125	13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25	21	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						Hardened steel		Chilled Cast iron	
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
HRc	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400
Recommend	◎	◎	◎	◎	○															