ALU-POWER HPC END MILLS

UNCOATED **E5H22** SERIES
DLC COATED **JAH22** SERIES
PLAIN SHANK

CARBIDE, 3 FLUTE 37° HELIX

VOLLHARTMETALL, 3 SCHNEIDEN 37°
FRAISE CARBURE, TORIQUE, HÉLICE 37°
3 TAGLIENTI, ELICA 37°

- Balanced cutting with less vibration
- Ability to run at higher speeds with less heat in aluminum
- More efficient chip evacuation
- Ability to counteract extreme radial forces
- DLC Coating provides edge strength and unsurpassed tool life

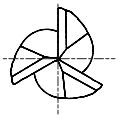
- Ausgewogenes Fräsen, mit weniger Vibrationen
- Höhere Schnittgeschwindigkeiten möglich bei weniger Wärmeeinbringung in den Werkstoff Aluminium
- Effizientere Spanabfuhr
- Fähigkeit, extremen Radialkräften entgegenzuwirken
- Die DLC-Beschichtung bietet Kantenfestigkeit und unübertroffene Standzeit

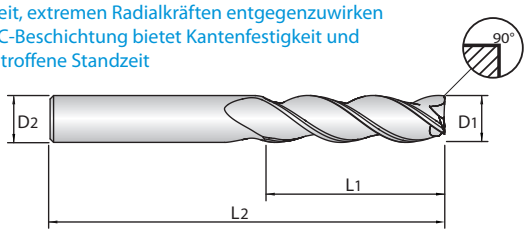
UNCOATED



DLC COATED







CARBIDE | 3 | 37° | PLAIN | UNCOATED | DLC

p.C519

Recommended ToolHolder
Plain Shank
HYDRAULIC CHUCK
SHRINK FIT HOLDER
POWER MILLING CHUCK
ER COLLET CHUCK
SK SLIM CHUCK

Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	DLC	D_1	D_2	L_1	L_2
E5H22030	**JAH22030**	**3.0**	6	8	52
E5H22040	**JAH22040**	**4.0**	6	11	55
E5H22050	**JAH22050**	**5.0**	6	13	57
E5H22060	**JAH22060**	**6.0**	6	13	57
E5H22901	**JAH22901**	**6.0**	6	13	72
E5H22902	**JAH22902**	**6.0**	6	24	75
E5H22080	**JAH22080**	**8.0**	8	19	63
E5H22903	**JAH22903**	**8.0**	8	32	75
E5H22100	**JAH22100**	**10.0**	10	22	72
E5H22904	**JAH22904**	**10.0**	10	40	100
E5H22120	**JAH22120**	**12.0**	12	26	83
E5H22905	**JAH22905**	**12.0**	12	48	100
E5H22140	**JAH22140**	**14.0**	14	30	89
E5H22160	**JAH22160**	**16.0**	16	32	92
E5H22906	**JAH22906**	**16.0**	16	64	125
E5H22200	**JAH22200**	**20.0**	20	38	104
E5H22907	**JAH22907**	**20.0**	20	80	150
E5H22250	**JAH22250**	**25.0**	25	50	125

Mill Diameter Tolerences (mm)		Shank Diameter Tolerance
Diameter	Tolerance	
Up to 3	+0/-0.006	h5
Over 3 ~ up to 6	+0/-0.008	
Over 6 ~ up to 10	+0/-0.009	
Over 10 ~ up to 18	+0/-0.011	
Over 18 ~ up to 25	+0/-0.013	

◎ : 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	◎	◎	◎	◎	○	○	○	○	○												