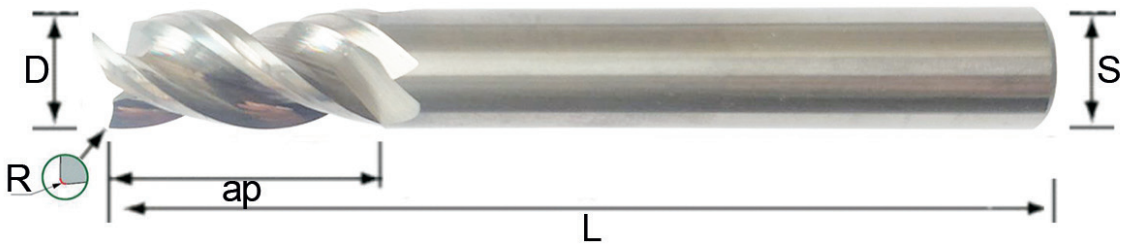
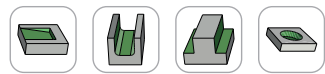


# Alu-High-Speedfräser 3 Schneiden Typ ALH+



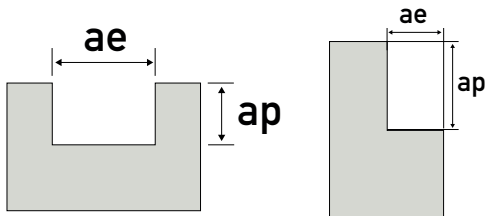
**N**



Durchmesser (mm)	Schruppen mm/Z	Schlichten mm/Z
3	0,037-0,077	0,034-0,067
3,5	0,039-0,082	0,037-0,072
4	0,042-0,088	0,039-0,076
5	0,047-0,099	0,044-0,086
5,5	0,055-0,150	0,051-0,100
6	0,063-0,132	0,059-0,114
8	0,084-0,176	0,078-0,152
10	0,095-0,198	0,088-0,171
12	0,105-0,220	0,098-0,190
14	0,116-0,220	0,108-0,190
16	0,126-0,231	0,118-0,200
18	0,137-0,231	0,127-0,200
20	0,147-0,242	0,137-0,209
25	0,168-0,264	0,157-0,228

Anwendung	
Schlichten	ja
Mittlere Bearbeitung	ja
Schruppen	ja

D	Toleranz
$\varnothing < 3$	0 - 0,02
$3 \geq \varnothing \leq 10$	0 - 0,03
$\varnothing > 10$	0 - 0,04



## Umfangsfräsen

$$ae = 0,5xD$$

$$ap = 1,5xD$$

## Vollnut-Fräsen

$$ap = 1,5xD$$

Material	Alu & Al-Legierungen	Alu & Al-Leg. <10% Si	Alu & Al-Leg. >10% Si	Messing, kurzspanend	Messing, langspanend	Kunststoffe, duroplastisch	Kunststoffe, thermoplastisch
Zugfestigkeit / Härte in N/mm <sup>2</sup>	< 450	< 600	> 600	< 600	< 600		
Vc (m/min) Schlichten	350	300	250	300	280	350	420
Vc (m/min) Schrappen	300	280	220	200	250	300	360

Bezeichnung	Materialhärte	Durchmesser (D)	Zustelltiefe (ap)	Schaftdurchmesser (S)	Gesamtlänge (L)
ALH+D3R0ap8F0S3L50Z3	ALH+	3	8	3	50
ALH+D3R0ap8F0S4L50Z3	ALH+	3	8	4	50
ALH+D3,5R0ap8F0S4L50Z3	ALH+	3,5	8	4	50
ALH+D4R0ap10F0S4L50Z3	ALH+	4	10	4	50
ALH+D5R0ap13F0S5L50Z3	ALH+	5	13	5	50
ALH+D5R0ap13F0S6L50Z3	ALH+	5	13	6	50
ALH+D6R0ap15F0S6L50Z3	ALH+	6	15	6	50
ALH+D6R0ap27F0S6L55Z3	ALH+	6	27	6	55
ALH+D8R0ap20F0S8L60Z3	ALH+	8	20	8	60
ALH+D3R0ap12F0S3L75Z3	ALH+	3	12	3	75
ALH+D4R0ap15F0S4L75Z3	ALH+	4	15	4	75
ALH+D5R0ap20F0S5L75Z3	ALH+	5	20	5	75
ALH+D6R0ap20F0S6L75Z3	ALH+	6	20	6	75
ALH+D8R0ap25F0S8L75Z3	ALH+	8	25	8	75
ALH+D10R0ap25F0S10L75Z3	ALH+	10	25	10	75
ALH+D12R0ap30F0S12L75Z3	ALH+	12	30	12	75
ALH+D14R0ap32F0S14L80Z3	ALH+	14	32	14	80
ALH+D3R0ap12F0S3L100Z3	ALH+	3	12	3	100
ALH+D4R0ap16F0S4L100Z3	ALH+	4	16	4	100
ALH+D5R0ap20F0S5L100Z3	ALH+	5	20	5	100
ALH+D6R0ap25F0S6L100Z3	ALH+	6	25	6	100
ALH+D8R0ap35F0S8L100Z3	ALH+	8	35	8	100
ALH+D10R0ap40F0S10L100Z3	ALH+	10	40	10	100
ALH+D12R0ap45F0S12L100Z3	ALH+	12	45	12	100
ALH+D14R0ap45F0S14L100Z3	ALH+	14	45	14	100
ALH+D16R0ap45F0S16L100Z3	ALH+	16	45	16	100
ALH+D18R0ap45F0S18L100Z3	ALH+	18	45	18	100
ALH+D20R0ap45F0S20L100Z3	ALH+	20	45	20	100
ALH+D6R0ap25F0S6L150Z3	ALH+	6	25	6	150
ALH+D8R0ap35F0S8L150Z3	ALH+	8	35	8	150
ALH+D10R0ap45F0S10L150Z3	ALH+	10	45	10	150
ALH+D12R0ap45F0S12L150Z3	ALH+	12	45	12	150
ALH+D14R0ap45F0S14L150Z3	ALH+	14	45	14	150
ALH+D16R0ap50F0S16L150Z3	ALH+	16	50	16	150
ALH+D18R0ap50F0S18L150Z3	ALH+	18	50	18	150