VHM K05-K20	45°	HSC
AlSi-X Coating	90°	
HRc 68		

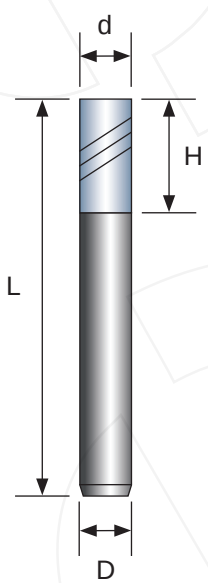
Finishing end mills
For HSC of tempered and hardened steels 48 - 68 HRc

Schlichten Schaftfräser
Für die HSC von gehärtetem und vergütetem Stählen mit Härten von 48 - 68 HRc

Example: Order code HE 445M 010-03004

			HE 445M	HE 645M
	d-Code	d x H x D	L	Z=4	Z=6
P	HRc < 24	010-03004	1.0 x 3.0 x C 4	50	◇	
	HRc 24 - 35 ○	015-04004	1.5 x 4.0 x C 4	50	◇	
	HRc > 35 ◎	020-06004	2.0 x 6.0 x C 4	50	●	
H	HRc 45 - 55 ◎	030-08004	3.0 x 8.0 x C 4	50	●	
	HRc 56 - 60 ◎	030-08006	3.0 x 8.0 x C 6	50	◇	
	HRc > 60 ◎	040-11004	4.0 x 11.0 x C 4	50	●	
M	Stainless steel ○	040-11006	4.0 x 11.0 x C 6	50	◇	
K	Cast iron	060-15006	6.0 x 15.0 x C 6	50	●	●
N	Copper alloy	080-20008	8.0 x 20.0 x C 8	60	●	●
S	Titanium alloy ○	100-25010	10.0 x 25.0 x C10	75	●	●
	High-temperature alloy	120-30012	12.0 x 30.0 x C12	75	●	●
		160-40016	16.0 x 40.0 x C16	100		◇
		200-40020	20.0 x 40.0 x C20	100		◇

Cutting data, P23



Long cut length / Lange schneidkantenlänge

060-24006	6.0 x 24.0 x C 6	75		●
080-32008	8.0 x 32.0 x C 8	75		●
100-40010	10.0 x 40.0 x C10	100		●
120-45012	12.0 x 45.0 x C12	100		●
160-64016	16.0 x 64.0 x C16	150		◇
200-80020	20.0 x 80.0 x C20	150		◇

Tolerance / Toleranz

Range	Diameter
1 ≤ d < 8	0 / -0.02
8 ≤ d < 18	0 / -0.03

● Stock item, subject to confirmation ◇ On request