| VHM K05-K20 | 35° | HSC |
|---|---|---|
| AlSi-X Coating | | |
| HRc 68 | | |

## Ball nose end mills
For HSC of tempered and hardened steels 48 - 68 HRc

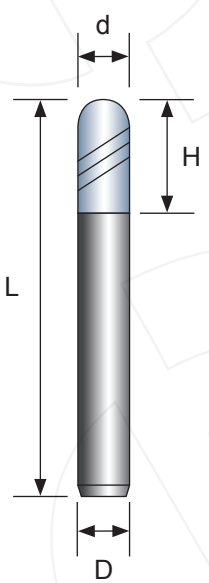
## Kugelkopffräser
Für die HSC von gehärtetem und vergütetem Stählen mit Härten von 48 - 68 HRc

| | | |
|---|---|---|
| P | HRc < 24 | |
| | HRc 24 - 35 | ○ |
| | HRc > 35 | ◎ |
| H | HRc 45 - 55 | ◎ |
| | HRc 56 - 60 | ◎ |
| | HRc > 60 | ◎ |
| M | Stainless steel | |
| K | Cast iron | |
| N | Copper alloy | |
| S | Titanium alloy | |
| | High-temperature alloy | |

Example: Order code HB 235M 010-02004

| d-Code | d x H x D | L | HB 235M Z=2 | |
|---|---|---|---|---|
| 010-02004 | R0.5 x 2.0 x C 4 | 50 | ● | |
| 015-03004 | R0.75 x 3.0 x C 4 | 50 | ● | |
| 020-04004 | R1.0 x 4.0 x C 4 | 50 | ● | |
| 020-04006 | R1.0 x 4.0 x C 6 | 50 | ◇ | |
| 030-06003 | R1.5 x 6.0 x C 3 | 50 | ◇ | |
| 030-06004 | R1.5 x 6.0 x C 4 | 50 | ● | |
| 030-06006 | R1.5 x 6.0 x C 6 | 50 | ● | |
| 040-08004 | R2.0 x 8.0 x C 4 | 50 | ● | |
| 040-08006 | R2.0 x 8.0 x C 6 | 50 | ● | |
| 050-10006 | R2.5 x 10.0 x C 6 | 50 | ◇ | |
| 060-12006 | R3.0 x 12.0 x C 6 | 50 | ● | |
| 080-16008 | R4.0 x 16.0 x C 8 | 60 | ● | |
| 100-20010 | R5.0 x 20.0 x C10 | 75 | ● | |
| 120-24012 | R6.0 x 24.0 x C12 | 75 | ◇ | |

Cutting data, P23




Tolerance / Toleranz

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