

| | |
|--------------|---|
| Kühlung |   |
| Toleranz | - |
| Beschichtung | TiSiN- α |



| Werkstoff / Material | Festigkeit / strength (N/mm ²) | Vc m/min | Ø 0,1 - 2 | Ø 3 - 4 | Ø 5 | Ø 6 | Ø 8 | Ø 10 | Ø 12 | Ø 16 | Ø 20 | |
|-----------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|
| | | |  |  |  |  |  |  |  |  |  |  |
| | | | ae= 0,2xD | ae= 0,2xD | ae= 0,2xD | ae= 0,2xD | ae= 0,2xD | ae= 0,2xD | ae= 0,2xD | ae= 0,2xD | ae= 0,2xD | ae= 0,2xD |
| | | | ap= L2 _{max} | ap= L2 _{max} | ap= L2 _{max} | ap= L2 _{max} | ap= L2 _{max} | ap= L2 _{max} | ap= L2 _{max} | ap= L2 _{max} | ap= L2 _{max} | ap= L2 _{max} |
| | | | fz (mm/Z) | fz (mm/Z) | fz (mm/Z) | fz (mm/Z) | fz (mm/Z) | fz (mm/Z) | fz (mm/Z) | fz (mm/Z) | fz (mm/Z) | fz (mm/Z) |
| Stahl / Steel | < 850 | | | | | | | | | | | |
| Stahl / Steel | < 1100 | | | | | | | | | | | |
| Stahl / Steel | < 1400 | 65 | | | 0,025 | 0,04 | 0,055 | 0,07 | | | | |
| Gehärteter Stahl / Hardness Steel | < 55HRC | 50 | | | 0,025 | 0,04 | 0,05 | 0,06 | | | | |
| Gehärteter Stahl / Hardness Steel | < 60HRC | 45 | | | 0,025 | 0,04 | 0,05 | 0,06 | | | | |
| Gehärteter Stahl / Hardness Steel | < 67HRC | 40 | | | 0,022 | 0,037 | 0,045 | 0,055 | | | | |
| Gehärteter Stahl / Hardness Steel | ≤ 70HRC | 35 | | | 0,02 | 0,025 | 0,03 | 0,04 | | | | |
| INOX | < 700 | | | | | | | | | | | |
| INOX | < 850 | | | | | | | | | | | |
| Guss / Castings | | | | | | | | | | | | |
| Aluminium / Al | | | | | | | | | | | | |
| Kupfer / Cooper | | | | | | | | | | | | |
| Kunststoffe / Plastics | | | | | | | | | | | | |
| Inconel | | | | | | | | | | | | |
| Titan / Titanium | | | | | | | | | | | | |
| Grafit / Graphite | | | | | | | | | | | | |
| GFK / CFK | | | | | | | | | | | | |

Bitte beachten, hierbei handelt es sich lediglich um Richtwerte! / Caution, these are only guide values!