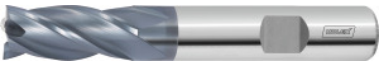
HOLEX

# Solid carbide milling cutter, TiAlN, ∅ h10 DC: 12mm



## Order data

| | |
|---|---|
| Order number | 202760 12 |
| GTIN | 4045197118066 |
| Item class | 12X |

## Description

**Version:**
Eccentric relief ground.
**Without** 45° cutting edge chamfer.
Through-coolant: no
Tolerance nominal ∅: h10
No. of teeth Z: 4
Helix angle: 30 °
Direction of infeed: horizontal, oblique and vertical
Shank: DIN 6535 HB to h6
No. of teeth Z: 4
Flute length $L_c$: 28 mm
Overall length L: 84 mm
Shank ∅ $D_s$: 12 mm
Shank form: HB
Feed $f_z$ for slot milling in steel < 900 N/mm$^2$: 0.06 mm

## Technical description

| | |
|---|---|
| Shank form | HB |
| Feed $f_z$ for slot milling in steel < 900 N/mm$^2$ | 0.06 mm |
| No. of teeth Z | 4 |
| Cutting edge ∅ $D_C$ | 12 mm |
| Feed $f_z$ for side milling in steel < 900 N/mm$^2$ | 0.08 mm |
| Shank ∅ $D_s$ | 12 mm |

| | |
|---|---|
| Overall length L | 84 mm |
| Flute length $L_c$ | 28 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 6535 HB to h6 |
| Tolerance nominal ∅ | h10 |
| Helix angle | 30 ° |
| Corner chamfer angle | 90 ° |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | H |
| Cutting width $a_e$ for milling operation | 0.3×D for side milling |
| Cutting width $a_e$ for milling operation | Full slot cutting depth 1×D |
| Through-coolant | no |
| Colour ring | without |
| Type of product | End / face mill |

## User data

| | Suitability | $V_c$ | ISO code |
|---|---|---|---|
| Aluminium (short chipping) | suitable only under restricted conditions | 280 m/min | N |
| Steel < 900 N/mm² | suitable | 100 m/min | P |
| Steel < 1100 N/mm² | suitable | 70 m/min | P |
| Steel < 1400 N/mm² | suitable | 60 m/min | P |
| Steel < 55 HRC | suitable only under restricted conditions | 35 m/min | H |
| INOX < 900 N/mm² | suitable | 80 m/min | M |
| INOX > 900 N/mm² | suitable only under restricted conditions | 60 m/min | M |
| GG(G) | suitable | 90 m/min | K |

| | |
|---|---|
| Uni | suitable only under restricted conditions |
| wet maximum | Suitable |
| wet minimum | Suitable only under restricted conditions |
| dry | Suitable only under restricted conditions |
| Air | Suitable only under restricted conditions |

## Services

| | |
|---|---|
| Shank recess Type FRST | 209900 FRST |
| Shank clamping flats for shrink-fit chucks, with retainer function Shank ∅ tool 12 mm | SZ2025 12 |