



Roughing end mill HSS-Co8, TiAlN, Ø DC: 14mm



Order data

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|--------------|---------------|
| Order number | 192650 14 |
| GTIN | 4045197107565 |
| Item class | 12W |

Description

Version:

With relief ground knuckle form profile.

Up to size 20 with end cutting teeth profile for plunging.

The wide teeth lands permit multiple re-grinding without losing the profile.

Sizes 6M to 25M – **MID mills:** dimensions to **factory standard, which is between DIN 844 stub and DIN 844 long.**

Economy version.

Through-coolant: no

Tolerance nominal Ø: js12

No. of teeth Z: 4

Helix angle: 30°

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 4

Flute length L_c : 26 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.6 mm

Feed f_z for slot milling in steel < 750 N/mm²: 0.021 mm

Technical description

| | |
|--|----------|
| Cutting edge Ø D_c | 14 mm |
| Feed f_z for slot milling in steel < 750 N/mm ² | 0.021 mm |
| Corner chamfer width at 45° | 0.6 mm |

| | |
|---------------------------------|----------------------------------|
| No. of teeth Z | 4 |
| Shank $\varnothing D_s$ | 12 mm |
| Overall length L | 83 mm |
| Flute length L_c | 26 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 1835 B to h6 |
| Tolerance nominal \varnothing | js12 |
| Helix angle | 30 ° |
| Corner chamfer angle | 45 ° |
| Coating | TiAlN |
| Tool material | HSS Co 8 |
| Standard | DIN 844 B |
| Milling profile | NR |
| 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 | 120 m/min | N |
| Steel < 500 N/mm ² | suitable | 78 m/min | P |
| Steel < 750 N/mm ² | suitable | 55 m/min | P |
| Steel < 900 N/mm ² | suitable | 55 m/min | P |
| Steel < 1100 N/mm ² | suitable | 29 m/min | P |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 25 m/min | P |
| INOX < 900 N/mm ² | suitable | 17 m/min | M |
| INOX > 900 N/mm ² | suitable only under restricted conditions | 14 m/min | M |

| | | | |
|-------------|---|----------|---|
| GG(G) | suitable only under restricted conditions | 46 m/min | K |
| CuZn | suitable only under restricted conditions | 92 m/min | N |
| Uni | suitable | | |
| wet maximum | suitable | | |
| dry | suitable only under restricted conditions | | |