

Garant
Roughing end mill HSS-PM, TiAlN, Ø js14 DC: 12 mm

Order data

| | |
|--------------|---------------|
| Order number | 192541 12 |
| GTIN | 4045197547545 |
| Item class | 11W |

Description
Version:
Relief ground knuckle form profile.

Centre cutting teeth for plunging.

- **Wide, precision ground chip flutes.**
- **Special chip angle for aluminium and non-ferrous metals.**

For the most demanding metal removal rates.

Advantage:

Suitable **for high machining volumes** due to the large flutes.

Through-coolant: no

Tolerance nominal Ø: js14

No. of teeth Z: 3

Helix angle: 36 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 3

Flute length L_c : 53 mm

Overall length L: 110 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.7 mm

Feed f_z for slot milling in short-chipping aluminium: 0.05 mm

Technical description

| | |
|---|---------|
| Feed f_z for slot milling in short-chipping aluminium | 0.05 mm |
| Cutting edge Ø D_c | 12 mm |
| No. of teeth Z | 3 |

| | |
|---------------------------------|----------------------------------|
| Corner chamfer width at 45° | 0.7 mm |
| Shank $\varnothing D_s$ | 12 mm |
| Overall length L | 110 mm |
| Flute length L_c | 53 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 1835 B to h6 |
| Tolerance nominal \varnothing | js14 |
| Helix angle | 36 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | TiAlN |
| Tool material | HSS PM |
| Standard | DIN 844 B |
| Milling profile | WR |
| Through-coolant | no |
| Colour ring | yellow |
| Type of product | End mill |