

Garant
Roughing end mill HSS-PM, TiAlN, Ø js14 DC: 20 mm

Order data

Order number	192541 20
GTIN	4045197547644
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 : 75 mm

Overall length L: 141 mm

Shank Ø D_s : 20 mm

Corner chamfer width at 45°: 1 mm

Feed f_z for slot milling in short-chipping aluminium: 0.08 mm

Technical description

Corner chamfer width at 45°	1 mm
Feed f_z for slot milling in short-chipping aluminium	0.08 mm
No. of teeth Z	3

Cutting edge $\varnothing D_c$	20 mm
Shank $\varnothing D_s$	20 mm
Overall length L	141 mm
Flute length L_c	75 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