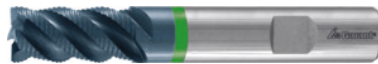


Garant

Roughing end mill MTC HSS-E-SPM, TiAlN, Ø k12 DC: 20 mm



Order data

| | |
|--------------|---------------|
| Order number | 192895 20 |
| GTIN | 4045197274809 |
| Item class | 11W |

Description

Version:

SPM substrate with very high cobalt content. Combines the **hardness of solid carbide** with the **toughness of PM steel. Dynamic special knuckle profile for roughing.**

For use as a universal roughing end mill Centre cutting edge geometry for plunging.

Application:

For very high metal removal rates and increased machining volumes. Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Machining strategy: MTC

Tolerance nominal Ø: k12

No. of teeth Z: 5

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 5

Flute length L_c : 38 mm

Overall length L: 104 mm

Shank Ø D_s : 20 mm

Corner chamfer width at 45°: 0.2 mm

Feed f_z for side milling in steel < 1100 N/mm²: 0.065 mm

Technical description

| | |
|---|----------|
| Corner chamfer width at 45° | 0.2 mm |
| No. of teeth Z | 5 |
| Feed f_z for side milling in steel < 1100 N/mm ² | 0.065 mm |

| | |
|---------------------------------|----------------------------------|
| Cutting edge $\varnothing D_c$ | 20 mm |
| Shank $\varnothing D_s$ | 20 mm |
| Overall length L | 104 mm |
| Flute length L_c | 38 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 1835 B to h6 |
| Tolerance nominal \varnothing | k12 |
| Helix angle | 45 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | TiAlN |
| Tool material | HSS E SPM |
| Standard | DIN 844 |
| Milling profile | HRF |
| Through-coolant | no |
| Machining strategy | MTC |
| Colour ring | green |
| Type of product | End mill |