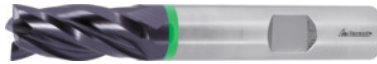


Garant
End mill HSS-E-SPM HPC, TiAlN, Ø DC: 3,5 mm

Order data

| | |
|--------------|---------------|
| Order number | 191635 3,5 |
| GTIN | 4045197546289 |
| Item class | 11W |

Description
Version:

Special **SPM** substrate with very high cobalt content.

Combines the **hardness of solid carbide** and the **toughness of PM steel**.

Multi-flute end mill with universal geometry.

Can be used as a finishing end mill, semi-roughing or roughing end mill.

Tolerance nominal Ø: k12

No. of teeth Z: 4

Helix angle: 30 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 4

Flute length L_c : 10 mm

Overall length L: 54 mm

Shank Ø D_s : 6 mm

Feed f_z for side milling in steel < 1100 N/mm²: 0.008 mm

Technical description

| | |
|---|----------|
| Feed f_z for side milling in steel < 1100 N/mm ² | 0.008 mm |
| Cutting edge Ø D_c | 3.5 mm |
| No. of teeth Z | 4 |
| Shank Ø D_s | 6 mm |
| Overall length L | 54 mm |
| Flute length L_c | 10 mm |

| | |
|---|----------------------------------|
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 1835 B to h6 |
| Tolerance nominal \varnothing | k12 |
| Helix angle | 30 degrees |
| Corner chamfer angle | 90 degrees |
| Coating | TiAlN |
| Tool material | HSS E SPM |
| Standard | DIN 844 B |
| Type | N |
| Helix angle characteristic | unequal spacing |
| Cutting width a_e for milling operation | 0.5×D for side milling |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | green |
| Type of product | End mill |