

Garant
Roughing end mill, TiAlN, Ø DC: 13mm

Order data

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|--------------|-----------|
| Order number | 192710 13 |
| GTIN | |
| Item class | 11W |

Description
Version:
Relief ground knuckle form profile.

Up to size 20 end cutting teeth profile for plunging.

Technical description

| | |
|---|----------------------------------|
| Cutting edge Ø D _c | 13 mm |
| No. of teeth Z | 4 |
| Feed f _z for slot milling in steel < 750 N/mm ² | 0.03 mm |
| Corner chamfer width at 45° | 0.5 mm |
| Shank Ø 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 Ø | k12 |
| Helix angle | 27 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | TiAlN |
| Tool material | HSS Co 8 |

| | |
|------------------------|-----------------|
| Standard | DIN 844 B |
| Milling profile | NR |
| Spacing of the cutters | unequal spacing |
| 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 |
| 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 | | |