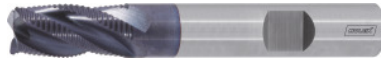




Solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 4mm



Order data

| | |
|--------------|---------------|
| Order number | 205492 4 |
| GTIN | 4045197543950 |
| Item class | 12X |

Description

Version:

Dimensions similar to DIN 6527.

For high feed rates, very high metal removal rate.

Without dynamic twist pitch.

Size **16M MID mills: Dimensions to manufacturer's standard.**

Note:

NEW GENERATION AVAILABLE!

Recommended successor product No. 205706.

Technical description

| | |
|-------------------------------------------------------------|----------------------------------|
| Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$ | 0.023 mm |
| Cutting edge $\varnothing D_c$ | 4 mm |
| Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$ | 0.02 mm |
| No. of teeth Z | 3 |
| Corner chamfer width at 45° | 0.3 mm |
| Shank $\varnothing D_s$ | 6 mm |
| Overall length L | 57 mm |
| Flute length L_c | 8 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 6535 HB to h6 |
| Tolerance nominal \varnothing | d11 |

| | |
|-------------------------------------------|-----------------------------|
| Helix angle | 30 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Milling profile | HR |
| Cutting width a_e for milling operation | 0.5×D for side milling |
| Cutting width a_e for milling operation | Full slot cutting depth 1×D |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | without |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|--------------------------------|-------------------------------------------|-----------|----------|
| Aluminium (short chipping) | suitable only under restricted conditions | 270 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 190 m/min | N |
| Steel < 500 N/mm ² | suitable | 115 m/min | P |
| Steel < 750 N/mm ² | suitable | 100 m/min | P |
| Steel < 900 N/mm ² | suitable | 95 m/min | P |
| Steel < 1100 N/mm ² | suitable | 65 m/min | P |
| Steel < 1400 N/mm ² | suitable | 55 m/min | P |
| INOX < 900 N/mm ² | suitable only under restricted conditions | 55 m/min | M |
| GG(G) | suitable | 85 m/min | K |
| Uni | suitable only under restricted conditions | | |
| wet maximum | suitable | | |

| | |
|-------------|-------------------------------------------|
| wet minimum | suitable only under restricted conditions |
| dry | suitable only under restricted conditions |
| Air | Suitable only under restricted conditions |