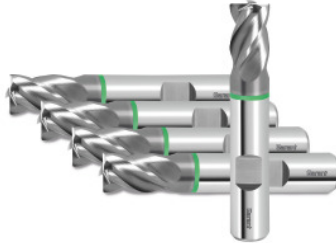


Garant
GARANT Master Steel solid carbide roughing end mill HPC, TiAlN, Ø f8 DC: 10mm

Order data

| | |
|--------------|---------------|
| Order number | GG1034 10 |
| GTIN | 4067263134275 |
| Item class | GGN |

Description
Version:

Same as No. 203034.

For **roughing and finishing**.

Up to $1 \times D$ into solid material **at very high feed rates** with smooth cutting action.

At maximum machining depths, ensure compliance with the ratio dimension L_c (cutting length) / \varnothing (nominal size)!

Advantage:

Optimised flute form, eccentric relief ground, generous chip spaces.

Technical description

| | |
|--|------------|
| Shank $\varnothing D_s$ | 10 mm |
| Overall length L | 66 mm |
| Feed f_z for side milling in steel < 900 N/mm ² | 0.08 mm |
| Tolerance nominal \varnothing | f8 |
| Corner chamfer angle | 45 degrees |
| Corner chamfer width at 45° | 0.2 mm |

| | |
|---|--------------------------------------|
| Cutting edge $\varnothing D_c$ | 10 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Flute length L_c | 14 mm |
| No. of teeth Z | 4 |
| Shank | DIN 6535 HB to h6 |
| Helix angle | 38 degrees |
| Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$ | 0.06 mm |
| Series | Master Steel |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Type | N |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | Full slot cutting depth $1 \times D$ |
| Cutting width a_e for milling operation | $0.5 \times D$ for side milling |
| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | green |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|-------------------------------|---|-----------|----------|
| Steel $< 500 \text{ N/mm}^2$ | suitable | 260 m/min | P |
| Steel $< 750 \text{ N/mm}^2$ | suitable | 240 m/min | P |
| Steel $< 900 \text{ N/mm}^2$ | suitable | 190 m/min | P |
| Steel $< 1100 \text{ N/mm}^2$ | suitable | 180 m/min | P |
| Steel $< 1400 \text{ N/mm}^2$ | suitable only under restricted conditions | 150 m/min | P |

| | | | |
|------------------------------|---|-----------|---|
| INOX < 900 N/mm ² | suitable | 80 m/min | M |
| INOX > 900 N/mm ² | suitable | 70 m/min | M |
| GG(G) | suitable | 250 m/min | K |
| Uni | suitable | | |
| wet maximum | suitable | | |
| wet minimum | suitable only under restricted conditions | | |
| dry | suitable | | |
| Air | suitable | | |

Accessories

GARANT Master Steel solid carbide roughing end millHPC
Ø f8 DC 10 mm

203034 10