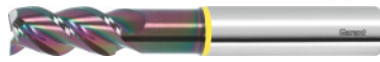


Garant
Solid carbide milling cutter MTC, DLC, Ø h6 DC: 6mm

Order data

| | |
|--------------|---------------|
| Order number | 202271 6 |
| GTIN | 4045197854810 |
| Item class | 11X |

Description
Version:

With the latest generation of **DLC coating sp²**.

Eccentric relief ground, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium components.

Application:

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 202014.

Technical description

| | |
|--|----------------------------------|
| Overhang length L ₁ incl. recess | 24 mm |
| Feed f _z for side milling in short-chipping aluminium | 0.03 mm |
| Shank Ø D _s | 6 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Corner chamfer width at 45° | 0.2 mm |
| Tolerance nominal Ø | h6 |
| Shank | DIN 6535 HA to h6 |
| No. of teeth Z | 3 |
| Balance quality with shank | G 2.5 with HA |
| Recess Ø D ₁ | 5.7 mm |

| | |
|---|-----------------------------|
| Overall length L | 62 mm |
| Feed f_z for slot milling in short-chipping aluminium | 0.025 mm |
| Flute length L_c | 13 mm |
| Cutting edge $\varnothing D_c$ | 6 mm |
| Shank form | HA |
| Helix angle | 45 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | DLC |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | W |
| Helix angle characteristic | unequal spacing |
| 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 | MTC |
| Colour ring | yellow |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|----------------------------|-------------|-----------|----------|
| Aluminium | Suitable | 480 m/min | N |
| Aluminium (short chipping) | suitable | 440 m/min | N |
| Alu > 10% Si | suitable | 400 m/min | N |
| PMMA acrylic | suitable | 200 m/min | N |
| PE-HD | Suitable | 160 m/min | N |
| PA 66 | Suitable | 200 m/min | N |
| PEEK | suitable | 150 m/min | N |

| | | | |
|--------------------|---|-----------|---|
| PF 31 | Suitable | 130 m/min | N |
| PVDF GF20 | suitable | 180 m/min | N |
| POM GF25 | Suitable | 160 m/min | N |
| PA 66 GF30 | suitable | 150 m/min | N |
| PEEK GF30 | suitable | 130 m/min | N |
| PTFE CF25 | suitable | 160 m/min | N |
| Honeycomb sandwich | suitable only under restricted conditions | 300 m/min | N |
| Cu | Suitable | 160 m/min | N |
| CuZn | Suitable | 200 m/min | N |
| wet maximum | suitable | | |
| wet minimum | suitable | | |
| dry | suitable only under restricted conditions | | |
| Air | suitable only under restricted conditions | | |

Services

Shank grinding Type HB

129100 HB