

Garant
Solid carbide milling cutter HPC, ZOx, Ø f8 DC: 8mm

Order data

| | |
|--------------|---------------|
| Order number | 202251 8 |
| GTIN | 4045197538581 |
| Item class | 11X |

Description
Version:

Sturdy roughing end mill **without** knuckle profile.

With strong core, **special chip breaker recesses** and **large polished flutes**.

Application:

For roughing milling with high demands on the component surface.

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 202017.

Technical description

| | |
|---|---------|
| Overhang length L_1 incl. recess | 62 mm |
| Corner chamfer width at 45° | 0.2 mm |
| Feed f_z for slot milling in short-chipping aluminium | 0.06 mm |
| No. of teeth Z | 3 |
| Feed f_z for side milling in short-chipping aluminium | 0.08 mm |
| Cutting edge $\varnothing D_c$ | 8 mm |
| Recess $\varnothing D_1$ | 7.4 mm |
| Shank form | HA |
| Shank $\varnothing D_s$ | 8 mm |
| Overall length L | 100 mm |
| Flute length L_c | 13 mm |

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|---|----------------------------------|
| Direction of infeed | horizontal, oblique and vertical |
| Shank | DIN 6535 HA to h6 |
| Tolerance nominal \varnothing | f8 |
| Balance quality with shank | G 2.5 with HA |
| Helix angle | 45 degrees |
| Corner chamfer angle | 45 degrees |
| Coating | ZOX |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | W |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | 0.3×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 | yellow |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|----------------------------|---|-----------|----------|
| Aluminium | suitable only under restricted conditions | 250 m/min | N |
| Aluminium (short chipping) | suitable | 240 m/min | N |
| Alu > 10% Si | suitable | 120 m/min | N |
| CuZn | suitable | 120 m/min | N |
| wet maximum | suitable | | |
| wet minimum | suitable only under restricted conditions | | |

| | |
|------------------------|---|
| dry | suitable only under restricted conditions |
| Air | suitable only under restricted conditions |
| Services | |
| Shank grinding Type HB | 129100 HB |