



GARANT INOX solid carbide milling cutter HPC, AlTiN, Ø e8 DC: 12mm



Order data

| | |
|--------------|---------------|
| Order number | 202952 12 |
| GTIN | 4069515039604 |
| Item class | 11Z |

Description

Version:

Milling cutter with **optimised geometry** and modern **high-performance coating** for optimum metal removal rate in various **stainless steels**. Can also be used in **duplex materials**.

Dimensions similar to DIN 6527.

Advantage:

Particularly low vibration running.

Note:

Successor product to 202989.

Technical description

| | |
|---|----------------------------------|
| Shank | DIN 6535 HB to h6 |
| Recess Ø D ₁ | 11.6 mm |
| Shank Ø D _s | 12 mm |
| Shank form | HB |
| Direction of infeed | horizontal, oblique and vertical |
| Feed f _z for slot milling in stainless steel > 900 N/mm ² | 0.06 mm |
| Overall length L | 83 mm |
| Tolerance nominal Ø | e8 |
| Cutting edge Ø D _c | 12 mm |
| Corner rounding r _v | 0.2 mm |

Data sheet

| | |
|---|------------------------|
| No. of teeth Z | 4 |
| Feed f_z for side milling in INOX > 900 N/mm ² | 0.07 mm |
| Overhang length L_1 incl. recess | 36 mm |
| Flute length L_c | 26 mm |
| Helix angle | 40 degrees |
| Coating | AlTiN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Type | N |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | 0.3×D for side milling |
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| Through-coolant | no |
| Machining strategy | HPC |
| Colour ring | blue |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|--------------------------------|---|-------------------------|-----------------|
| Steel < 500 N/mm ² | suitable only under restricted conditions | 240 m/min | P |
| Steel < 750 N/mm ² | suitable only under restricted conditions | 220 m/min | P |
| Steel < 900 N/mm ² | suitable only under restricted conditions | 200 m/min | P |
| Steel < 1100 N/mm ² | suitable only under restricted conditions | 180 m/min | P |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 150 m/min | P |
| TOOLOX 33 | suitable only under restricted conditions | 115 m/min | H |

Data sheet

| TOOLOX 44 | suitable only under restricted conditions | 80 m/min | H |
|------------------------------|---|-----------|---|
| INOX < 900 N/mm ² | suitable | 100 m/min | M |
| INOX > 900 N/mm ² | suitable | 90 m/min | M |
| wet maximum | suitable | | |
| wet minimum | suitable | | |
| dry | suitable only under restricted conditions | | |
| Air | suitable | | |