


HOLEX Pro INOX solid carbide milling cutter HPC, AlCrN, Ø e8 DC: 10mm

Order data

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| Order number | 202378 10 |
| GTIN | 4045197879547 |
| Item class | 12X |

Description
Version:

HPC milling cutter with **newly developed high-performance coating** for **outstanding tool life** and **optimum metal removal rate** in a wide range of stainless steels.

Can be used at **high cutting speeds**, highly suitable even for steels up to approx. 1100 N/mm².

Technical description

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| Cutting edge Ø D _c | 10 mm |
| Tolerance nominal Ø | e8 |
| No. of teeth Z | 3 |
| Shank Ø D _s | 10 mm |
| Recess Ø D ₁ | 9.7 mm |
| Overall length L | 72 mm |
| Direction of infeed | horizontal, oblique and vertical |
| Overhang length L ₁ incl. recess | 30 mm |
| Flute length L _c | 22 mm |
| Feed f _z for side milling in INOX > 900 N/mm ² | 0.045 mm |
| Corner chamfer width at 45° | 0.2 mm |
| Shank | DIN 6535 HB to h6 |
| Feed f _z for slot milling in stainless steel > 900 N/mm ² | 0.04 mm |

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|---|--------------------------------------|
| Helix angle | 35 degrees |
| Corner chamfer angle | 45 degrees |
| Series | Pro Inox |
| Coating | AlCrN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| 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 | blue |
| Type of product | End / face mill |

User data

| | Suitability | V_c | ISO code |
|--------------------------------|---|-----------|----------|
| Steel < 500 N/mm ² | suitable | 240 m/min | P |
| Steel < 750 N/mm ² | suitable | 220 m/min | P |
| Steel < 900 N/mm ² | suitable | 180 m/min | P |
| Steel < 1100 N/mm ² | suitable | 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 |
| 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 | 85 m/min | M |

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