



HOLEX Pro INOX solid carbide milling cutter HPC, AlCrN, Ø f8 DC: 10mm



Order data

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|--------------|---------------|
| Order number | 203021 10 |
| GTIN | 4045197773180 |
| Item class | 12X |

Description

Version:

HPC milling cutters with **newly developed high-performance coating** for **outstanding tool working life** and **optimum metal removal rates** in a wide range of stainless steels. For use at **high cutting speeds**, particularly suitable even for steels up to approx. 1100 N/mm².

Technical description

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|---------------------------------------------------------------------------------|----------------------------------|
| Overall length L | 80 mm |
| Shank | DIN 6535 HB to h6 |
| Direction of infeed | horizontal, oblique and vertical |
| Overhang length L ₁ incl. recess | 38 mm |
| Shank Ø D _s | 10 mm |
| Corner chamfer width at 45° | 0.2 mm |
| Flute length L _c | 30 mm |
| Feed f _z for side milling in INOX > 900 N/mm ² | 0.045 mm |
| Cutting edge Ø D _c | 10 mm |
| Feed f _z for slot milling in stainless steel > 900 N/mm ² | 0.04 mm |
| No. of teeth Z | 4 |
| Recess Ø D ₁ | 9.7 mm |
| Tolerance nominal Ø | f8 |

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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 | 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 | 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 |