



HOLEX Pro INOX solid carbide torus cutter HPC DIN 6535 HB, AlCrN, Ø DC / R1: 4/0,4mm



Order data

| | |
|--------------|---------------|
| Order number | GG1248 4/0,4 |
| GTIN | 4045197905697 |
| Item class | GGN |

Description

Version:

Dimensions similar to DIN 6527.

For **outstanding tool life**.

For use at **high cutting speeds, particularly suitable even for steels up to approx. 1100N/mm²**.

Same as No. 206348.

Technical description

| | |
|---|-------------------|
| Feed f_z for copy milling in stainless steel $> 900 \text{ N/mm}^2$ | 0.02 mm |
| Feed f_z for side milling in INOX $> 900 \text{ N/mm}^2$ | 0.016 mm |
| Shank $\varnothing D_s$ | 6 mm |
| Flute length L_c | 11 mm |
| Shank | DIN 6535 HB to h6 |
| Corner radius R_1 | 0.4 mm |
| Recess $\varnothing D_1$ | 3.8 mm |

| | |
|---|----------------------------------|
| Overhang length L_1 incl. recess | 17 mm |
| Overall length L | 57 mm |
| Cutting edge $\varnothing D_c$ | 4 mm |
| No. of teeth Z | 4 |
| Helix angle | 35 degrees |
| Contents | 5 |
| Series | Pro Inox |
| Coating | AlCrN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Tolerance nominal \varnothing | f8 |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | $0.05 \times D$ for copy milling |
| Cutting width a_e for milling operation | $0.3 \times D$ for side milling |
| Machining strategy | HPC |
| Shank tolerance | h6 |
| Type of product | Torus cutter |

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 only under restricted conditions | | |
| dry | suitable only under restricted conditions | | |
| Air | suitable only under restricted conditions | | |

Accessories

HOLEX Pro INOX solid carbide torus cutterHPC DIN 6535
HB Ø DC / R1 4/0,4 mm

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