

Garant
Solid carbide NC machine reamer Configurable, TiAlN, Nominal Ø DC: 3,5mm

Order data

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|--------------|---------------|
| Order number | 164344 3,5 |
| GTIN | 4045197854490 |
| Item class | 10N |

Description
Version:

Version suitable for NC DIN 8093-2 with straight shank Ø for **standard chucking** especially in **hydraulic chucks** or **high precision collet chucks**. This ensures **very high concentricity** and **process reliability**,

The use of GARANT-NC reamers eliminates the need to procure special collets. With long flutes and left-hand helix.

Rreamers finish ground to match your specification.

Application:

For reaming through holes, as the chips are evacuated in the cutting direction. Lead taper is suitable also for blind holes.

Note:

For H7 fit see No. 164340 and 164341.

Technical description

| | |
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| Overhang L_1 | 43 mm |
| Shank tolerance | h6 |
| Shank Ø D_s | 4 mm |
| Number of cutting edges Z | 6 |
| Flute length L_c | 18 mm |
| Nominal Ø D_c | 3.5 mm |
| Overall length L | 75 mm |
| Feed f in steel < 1100 N/mm ² | 0.12 mm/rev. |

| | |
|----------------------------------|-------------------|
| Ø range | 3.36 - 3.75 mm |
| Reaming oversize in diameter | 0.05 - 0.1 mm |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 8093 |
| Through-coolant | no |
| Shank | DIN 6535 HA to h6 |
| Application for type of drilling | for through hole |
| Colour ring | green |
| Type of product | Phillips bit |

User data

| | Suitability | V _c | ISO code |
|--------------------------------|---|----------------|----------|
| Aluminium | suitable | 35 m/min | N |
| Aluminium (short chipping) | suitable | 30 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 25 m/min | N |
| Steel < 500 N/mm ² | suitable | 30 m/min | P |
| Steel < 750 N/mm ² | suitable | 25 m/min | P |
| Steel < 900 N/mm ² | suitable | 20 m/min | P |
| Steel < 1100 N/mm ² | suitable | 15 m/min | P |
| Steel < 1400 N/mm ² | suitable | 10 m/min | P |
| INOX < 900 N/mm ² | suitable | 15 m/min | M |
| INOX > 900 N/mm ² | suitable | 12 m/min | M |
| Ti > 850 N/mm ² | suitable only under restricted conditions | 10 m/min | S |
| GG(G) | suitable | 10 m/min | K |
| CuZn | suitable | 25 m/min | N |
| Uni | suitable | | |

wet maximum

suitable