

Solid carbide NC machine reamer, uncoated, Nominal Ø DC: 3,03mm



Order data Order number 164340 3,03 GTIN 4045197093219 Item class 11P

Description

Version:

Version suitable for NC similar to DIN 8093 with straight shank Ø for standard chucking especially in hydraulic chucks or high precision collet chucks. This ensures the highest concentricity.

Tolerance specifications:

Size 0.6 – 0.9: Manufacturing or cutting edge tolerance **0/+0.004 mm.**

Size 0.98 – 20: Reamer manufacturing or cutting edge tolerance to DIN1420 for **H7 bore tolerance.**

No need to procure special collets when using GARANT-NC reamers. With long flutes and left-hand helix.

Application:

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

Note:

For reamers like No. 164340 and 164341 but with other diameters and fits see No. 164344 and 164345.

Technical description

| Overhang L ₁ | 30 mm | |
|--|---------|--|
| eed f in steel < 1100 N/mm ² 0.12 mm/rev. | | |
| Nominal Ø D _c | 3.03 mm | |
| Shank tolerance | h6 | |
| Shank Ø D _s | 4 mm | |
| Overall length L | 64 mm | |

| Flute length L _c | 17 mm | |
|----------------------------------|-------------------------|--|
| Number of cutting edges Z | 4 | |
| Tolerance | H7 | |
| Reaming oversize in diameter | 0.1 - 0.2 mm | |
| Coating | uncoated | |
| Tool material | Solid carbide | |
| Standard | Manufacturer's standard | |
| Through-coolant | no | |
| Shank | DIN 6535 HA with h6 | |
| Application for type of drilling | for through holes | |
| Colour ring | green | |
| Type of product | Phillips bit | |

User data

| | Suitability | \mathbf{V}_{c} | ISO code |
|--------------------------------|---|------------------|----------|
| Aluminium | suitable | 35 m/min | N |
| Aluminium (short chipping) | suitable | 30 m/min | N |
| Steel < 500 N/mm ² | suitable | 20 m/min | Р |
| Steel < 750 N/mm ² | suitable | 13 m/min | Р |
| Steel < 900 N/mm² | suitable | 10 m/min | Р |
| Steel < 1100 N/mm ² | suitable | 8 m/min | Р |
| Steel < 1400 N/mm ² | suitable | 6 m/min | Р |
| INOX < 900 N/mm ² | suitable only under restricted conditions | 10 m/min | М |
| INOX > 900 N/mm ² | suitable only under restricted conditions | 8 m/min | М |
| Ti > 850 N/mm ² | suitable | 8 m/min | S |
| GG(G) | suitable | 8 m/min | K |
| CuZn | suitable | 20 m/min | N |
| | | | |

Data sheet



| Uni | suitable | |
|-------------|----------|--|
| wet maximum | suitable | |