

## Garant

### Solid carbide NC machine reamer, uncoated, Nominal $\varnothing$ DC: 1,49 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 164340 1,49   |
| GTIN         | 4045197092953 |
| Item class   | 11P           |

#### Description

##### Version:

**Version suitable for NC** similar to DIN 8093 **with straight shank  $\varnothing$**  for **standard chucking** especially in **hydraulic chucks** or **high precision collet chucks**. This gives **very high concentricity** and **process reliability** when manufacturing H7 fits. **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.

Application for type of drilling: for through holes

Bore  $\varnothing$  tolerance: H7

Number of cutting edges Z: 3

Bore  $\varnothing$  tolerance: H7

Flute length  $L_c$ : 9 mm

Overhang  $L_1$ : 16 mm

Overall length L: 50 mm

Number of cutting edges Z: 3

Shank  $\varnothing$   $D_s$ : 4 mm

#### Technical description

|                             |         |
|-----------------------------|---------|
| Shank tolerance             | h6      |
| Nominal $\varnothing$ $D_c$ | 1.49 mm |
| Overhang $L_1$              | 16 mm   |

|   |  |
|---|--|
| Feed f in steel < 1100 N/mm <sup>2</sup>              | 0.08 mm/rev.                             |
| Shank Ø D <sub>s</sub>                                | 4 mm                                     |
| Overall length L                                      | 50 mm                                    |
| Flute length L <sub>c</sub>                           | 9 mm                                     |
| Number of cutting edges Z                             | 3  |
| recommended drill Ø in steel < 1100 N/mm <sup>2</sup> | 1.4 mm                                   |
| Bore Ø tolerance                                      | H7                                       |
| 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                                       | Reaming tool with non-detachable cutters |