

## Garant

### Solid carbide NC machine reamer, TiAlN, Nominal Ø DC: 3,3 mm



#### Order data

Order number	164341 3,3
GTIN	4045197464255
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 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 Ø tolerance: H7

Number of cutting edges Z: 4

Bore Ø tolerance: H7

Flute length  $L_c$ : 18 mm

Overhang  $L_1$ : 34 mm

Overall length L: 68 mm

Number of cutting edges Z: 4

Shank Ø  $D_s$ : 4 mm

#### Technical description

Overhang $L_1$	34 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.12 mm/rev.
Nominal Ø $D_c$	3.3 mm

Shank tolerance	h6
Shank $\varnothing$ D <sub>s</sub>	4 mm
Overall length L	68 mm
Flute length L <sub>c</sub>	18 mm
Number of cutting edges Z	4
recommended drill $\varnothing$ in steel < 1100 N/mm <sup>2</sup>	3.1 mm
Bore $\varnothing$ tolerance	H7
Coating	TiAlN
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