

Garant**Solid carbide NC machine reamer, TiAlN, Nominal Ø DC: 1,9 mm****Order data**

Order number	164341 1,9
GTIN	4045197464033
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: 3

Bore Ø tolerance: H7

Flute length L_c : 11 mm

Overhang L_1 : 16 mm

Overall length L: 50 mm

Number of cutting edges Z: 3

Shank Ø D_s : 4 mm

Technical description

Nominal Ø D_c	1.9 mm
Feed f in steel < 1100 N/mm ²	0.08 mm/rev.
Shank tolerance	h6

Overhang L_1	16 mm
Shank $\varnothing D_s$	4 mm
Overall length L	50 mm
Flute length L_c	11 mm
Number of cutting edges Z	3
recommended drill \varnothing in steel $< 1100 \text{ N/mm}^2$	1.8 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