

**Garant**
**Solid carbide NC machine reamer, uncoated, Nominal Ø DC: 4,5 mm**

**Order data**

Order number	164340 4,5
GTIN	4045197093424
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: 6

Bore Ø tolerance: H7

Flute length  $L_c$ : 23 mm

Overhang  $L_1$ : 40 mm

Overall length L: 82 mm

Number of cutting edges Z: 6

Shank Ø  $D_s$ : 6 mm

**Technical description**

Shank tolerance	h6
Overhang $L_1$	40 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.12 mm/rev.

Nominal $\varnothing D_c$	4.5 mm
Shank $\varnothing D_s$	6 mm
Overall length L	82 mm
Flute length $L_c$	23 mm
Number of cutting edges Z	6
recommended drill $\varnothing$ in steel < 1100 N/mm <sup>2</sup>	4.3 mm
Bore $\varnothing$ 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