

Garant**Solid carbide NC machine reamer, TiAlN, Nominal Ø DC: 17mm****Order data**

Order number	164341 17
GTIN	4062406136833
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

Tolerance	H7
Flute length L _c	54 mm
Number of cutting edges Z	8
Nominal Ø D _c	17 mm
Overall length L	175 mm
Shank Ø D _s	18 mm

Overhang L_1	120 mm
Feed f in steel $< 1100 \text{ N/mm}^2$	0.2 mm/rev.
Reaming oversize in diameter	0.2 - 0.3 mm
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	Phillips bit

User data

	Suitability	V_c	ISO code
Aluminium	suitable	35 m/min	N
Aluminium (short chipping)	suitable	30 m/min	N
Alu $> 10\% \text{ Si}$	suitable only under restricted conditions	25 m/min	N
Steel $< 500 \text{ N/mm}^2$	suitable	30 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	25 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	20 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	15 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable	10 m/min	P
INOX $< 900 \text{ N/mm}^2$	suitable	15 m/min	M
INOX $> 900 \text{ N/mm}^2$	suitable	12 m/min	M
Ti $> 850 \text{ N/mm}^2$	suitable only under restricted conditions	10 m/min	S
GG(G)	suitable	10 m/min	K
CuZn	suitable	25 m/min	N

Uni	suitable
wet maximum	suitable