

## Solid carbide NC machine reamer, uncoated, Nominal Ø DC: 4,03mm



# **Order data**

Order number	164340 4,03
GTIN	4045197093370
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**

Shank tolerance	h6	
Nominal Ø D <sub>C</sub>	4.03 mm	
Overhang L <sub>1</sub>	43 mm	
Feed f in steel < 1100 N/mm <sup>2</sup>	0.12 mm/rev.	
Shank Ø D <sub>s</sub>	4 mm	
Overall length L	77 mm	

Flute length L <sub>c</sub>	21 mm	
Number of cutting edges Z	4	
Tolerance	H7	
Reaming oversize in diameter	0.1 - 0.2 mm	
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	Phillips bit	

# **User data**

	Suitability	$\mathbf{V}_{c}$	ISO code
Aluminium	suitable	35 m/min	N
Aluminium (short chipping)	suitable	30 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	20 m/min	Р
Steel < 750 N/mm <sup>2</sup>	suitable	13 m/min	Р
Steel < 900 N/mm <sup>2</sup>	suitable	10 m/min	Р
Steel < 1100 N/mm <sup>2</sup>	suitable	8 m/min	Р
Steel < 1400 N/mm <sup>2</sup>	suitable	6 m/min	Р
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	10 m/min	М
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	8 m/min	М
$Ti > 850 \text{ N/mm}^2$	suitable	8 m/min	S
GG(G)	suitable	8 m/min	K
CuZn	suitable	20 m/min	N

Data sheet



Uni	suitable	
wet maximum	suitable	