

**Garant**
**NC reamer, uncoated, Nominal Ø DC: 11,77 mm**

**Order data**

Order number	162902 11,77
GTIN	4062406146344
Item class	110

**Description**
**Version:**
**Reamers such as 162900, but in 1/100 sizes.**
**Version suitable for NC similar to DIN 212 with straight shank Ø for standard chucking especially in hydraulic chucks or high precision collet chucks. For highest concentricity and process reliability. No need to order special collets.**

With long flutes and left-hand helix.

**Reamer manufacturing tolerances:**
 $\leq \text{Ø } 5.50 \text{ mm: } 0 / +0.004 \text{ mm}$ 
 $> \text{Ø } 5.50 \text{ mm: } 0 / +0.005 \text{ mm}$ 
**Ordering example:**

Desired dia. 6.24 mm – ordering particulars: article number 162902 6.24.

The 6.24 mm reamer with tolerance 0 / +0.005 mm is supplied.

Depending on availability, delivery time is from stock or max. 1 working week.

To determine which diameter you need for your desired fit, please see the following table (page 211). Often one reamer also covers further fits, since the tolerance bands overlap.

**Note:**

 Reamers in whole number sizes and 1/10 sizes for **H7 fit** see **No. 162900**.

 For reamers with diameters and **fits to specification** see **No. 162951**.

You can find the associated table of fits in Catalogue 51 on page 199.

Application for type of drilling: for through holes

Bore Ø tolerance: 0 / 0,005

Number of cutting edges Z: 6

Bore Ø tolerance: 0 / 0,005

 Flute length  $L_c$ : 41 mm

 Overhang  $L_1$ : 101 mm

Overall length L: 142 mm

Number of cutting edges Z: 6

 Shank Ø  $D_s$ : 10 mm

**Technical description**

Bore $\varnothing$ tolerance	0 / 0,005
Flute length $L_c$	41 mm
Shank $\varnothing D_s$	10 mm
Feed $f$ in steel < 750 N/mm <sup>2</sup>	0.25 mm/rev.
Number of cutting edges $Z$	6
Nominal $\varnothing D_c$	11.77 mm
Overall length $L$	142 mm
Overhang $L_1$	101 mm
Coating	uncoated
Tool material	HSS E
Standard	Manufacturer's standard
Through-coolant	no
Shank	DIN 1835 A to h6
Application for type of drilling	for through holes
Colour ring	green
Type of product	Reaming tool with non-detachable cutters