

**Garant**
**NC reamer, uncoated, Nominal Ø DC: 8,21 mm**


## Order data

|              |               |
|--------------|---------------|
| Order number | 162902 8,21   |
| GTIN         | 4062406142780 |
| 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:

≤ Ø 5.50 mm: 0 / +0.004 mm

> Ø 5.50 mm: 0 / +0.005 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<sub>c</sub>: 33 mm

Overhang L<sub>i</sub>: 80 mm

Overall length L: 117 mm

Number of cutting edges Z: 6

Shank Ø D<sub>s</sub>: 8 mm

## Technical description

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| Flute length $L_c$                      | 33 mm                                    |
| Nominal $\varnothing D_c$               | 8.21 mm                                  |
| Bore $\varnothing$ tolerance            | 0 / 0,005                                |
| Overall length L                        | 117 mm                                   |
| Shank $\varnothing D_s$                 | 8 mm                                     |
| Feed f in steel < 750 N/mm <sup>2</sup> | 0.25 mm/rev.                             |
| Number of cutting edges Z               | 6                                        |
| Overhang $L_1$                          | 80 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 |