

**Garant**
**Machine reamer H7, uncoated, Nominal  $\varnothing$  DC: 2 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 163000 2      |
| GTIN         | 4045197252593 |
| Item class   | 110           |

**Description**
**Version:**

With long flutes and left-hand helix.  
 From size 1.8 even number of teeth and uneven spacing.  
 Up to size 3.7 both ends with external centres;  
 from size 3.9 both ends with internal centres.

**Reamers finish ground for fit H7.**
**Application:**

For reaming through holes. Also suitable for blind holes (from 3.9 mm  $\varnothing$ ) due to short chamfer lead.

**Note:**

- **Straight flute machine chucking reamers – available ex-stock.**
- **For reamers with other diameters and fits see No. 162951.**

Application for type of drilling: for through holes

Bore  $\varnothing$  tolerance: H7

Number of cutting edges Z: 4

Bore  $\varnothing$  tolerance: H7

Flute length  $L_c$ : 11 mm

Overhang  $L_1$ : 22 mm

Overall length L: 49 mm

Number of cutting edges Z: 4

Shank  $\varnothing$   $D_s$ : 2 mm

**Technical description**

|   |              |
|---|--------------|
| Feed f in steel < 750 N/mm <sup>2</sup> | 0.15 mm/rev. |
| Overhang $L_1$                          | 22 mm        |
| Nominal $\varnothing$ $D_c$             | 2 mm         |

|  |  |
|--|--|
| Shank tolerance  | h9                                       |
| Shank $\varnothing$ D <sub>s</sub>                               | 2 mm                                     |
| Overall length L   | 49 mm                                    |
| Flute length L <sub>c</sub>                                      | 11 mm                                    |
| Number of cutting edges Z  | 4  |
| recommended drill $\varnothing$ in steel < 750 N/mm <sup>2</sup> | 1.9 mm                                   |
| Bore $\varnothing$ tolerance                                     | H7                                       |
| Coating  | uncoated                                 |
| Tool material  | HSS E                                    |
| Standard   | DIN 212 B                                |
| Through-coolant  | no                                       |
| Shank  | Plain shank with h9                      |
| Application for type of drilling                                 | for through holes                        |
| Colour ring  | without                                  |
| Type of product  | Reaming tool with non-detachable cutters |