

**Garant**
**NC reamer H7, uncoated, Nominal Ø DC mm or inch: 12,7**


## Order data

Order number	162900 12,7
GTIN	4062406146856
Item class	110

## Description

### Version:

**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.

≤ Ø size 1.7 with 3 teeth; ≥ Ø size 1.8 even number of teeth and irregular spacing. ≤ Ø size 3.7 both ends with centre points; ≥ Ø size 3.8 both ends with centre holes.

Reamer manufacturing tolerance to DIN 1420 for H7 hole tolerance.

### Note:

For reamers in **1/100 sizes** see **No. 162902**.

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

Application for type of drilling: for through holes

Tolerance: H7

Number of cutting edges Z: 6

Tolerance: H7

Flute length  $L_c$ : 44 mm

Overhang  $L_1$ : 110 mm

Overall length L: 151 mm

Number of cutting edges Z: 6

Shank Ø  $D_s$ : 10 mm

## Technical description

Shank Ø $D_s$	10 mm
Feed f in steel < 750 N/mm <sup>2</sup>	0.25 mm/rev.
Overhang $L_1$	110 mm

Number of cutting edges Z	6
Nominal $\varnothing D_c$	12.7 mm
Overall length L	151 mm
Tolerance	H7
Shank tolerance	h6
Flute length $L_c$	44 mm
Reaming oversize in diameter	0.1 - 0.3 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	Phillips bit

## User data

	Suitability	$V_c$	ISO code
Aluminium	suitable	20 m/min	N
Aluminium (short chipping)	suitable	20 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	10 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	7 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	5 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	4 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	5 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	5 m/min	M

Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	5 m/min	S
GG(G)	suitable only under restricted conditions	5 m/min	K
CuZn	suitable only under restricted conditions	13 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		

## Accessories

Shank grinding Type LABEL	129100 LABEL
NC reamer H7 Nominal Ø DC mm or inch 1/2	162900 1/2