

Garant
NC reamer H7, uncoated, Nominal Ø DC mm or inch: 10,5

Order data

Order number	162900 10,5
GTIN	4062406146818
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 : 38 mm

Overhang L_1 : 92 mm

Overall length L: 133 mm

Number of cutting edges Z: 6

Shank Ø D_s : 10 mm

Technical description

Tolerance	H7
Overall length L	133 mm
Flute length L_c	38 mm

Shank tolerance	h6
Nominal $\varnothing D_c$	10.5 mm
Feed f in steel $< 750 \text{ N/mm}^2$	0.25 mm/rev.
Shank $\varnothing D_s$	10 mm
Number of cutting edges Z	6
Overhang L_1	92 mm
Reaming oversize in diameter	0.1 - 0.2 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 $< 500 \text{ N/mm}^2$	suitable	15 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	10 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	7 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	5 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable only under restricted conditions	4 m/min	P
INOX $< 900 \text{ N/mm}^2$	suitable	5 m/min	M
INOX $> 900 \text{ N/mm}^2$	suitable only under restricted conditions	5 m/min	M

Ti > 850 N/mm ²	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		