Garant

NC reamer H7, uncoated, Nominal ⌀ DC mm or inch: 14

Order data

Order number	162900 14
GTIN	4045197090973
Item class	11O

Description

Version:
Version suitable for NC similar to DIN 212 **with straight shank ⌀** 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.
≤ ⌀ size 1.7 with 3 teeth; ≥ ⌀ size 1.8 even number of teeth and irregular spacing. ≤ ⌀ size 3.7 both ends with centre points; ≥ ⌀ 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: 8
Tolerance: H7
Flute length L_c: 47 mm
Overhang L_1: 112 mm
Overall length L: 160 mm
Number of cutting edges Z: 8
Shank ⌀ D_s: 14 mm

Technical description

Overhang L_1	112 mm
Shank tolerance	h6
Nominal ⌀ D_C	14 mm

Feed f in steel < 750 N/mm²	0.3 mm/rev.
Shank ⌀ D_s	14 mm
Overall length L	160 mm
Flute length L_c	47 mm
Number of cutting edges Z	8
Tolerance	H7
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/mm²	suitable	15 m/min	P
Steel < 750 N/mm²	suitable	10 m/min	P
Steel < 900 N/mm²	suitable	7 m/min	P
Steel < 1100 N/mm²	suitable	5 m/min	P
Steel < 1400 N/mm²	suitable only under restricted conditions	4 m/min	P
INOX < 900 N/mm²	suitable	5 m/min	M
INOX > 900 N/mm²	suitable only under restricted conditions	5 m/min	M

Ti > 850 N/mm²	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		