Garant

Solid carbide NC machine reamer, uncoated, Nominal ⌀ DC: 2 mm

Order data

Order number	164340 2
GTIN	4045197093059
Item class	11P

Description

Version:
Version suitable for NC similar to DIN 8093 **with straight shank ⌀** for **standard chucking** especially in **hydraulic chucks** or **high precision collet chucks.** This gives **very high concentricity** and **process reliability** when manufacturing H7 fits. **No need to procure special collets when using GARANT NC reamers.** With long flutes and left-hand helix.
Application:
For reaming through holes, as the chips are evacuated in the cutting direction. Lead taper is suitable also for blind holes.
Note:
For reamers like No. 164340 and 164341 but with other diameters and fits see No. 164344 and 164345.
Application for type of drilling: for through holes
Bore ⌀ tolerance: H7
Number of cutting edges Z: 4
Bore ⌀ tolerance: H7
Flute length L_c: 12 mm
Overhang L_1: 16 mm
Overall length L: 50 mm
Number of cutting edges Z: 4
Shank ⌀ D_s: 4 mm

Technical description

Nominal ⌀ D_C	2 mm
Feed f in steel < 1100 N/mm^2	0.1 mm/rev.
Shank tolerance	h6

Overhang L_1	16 mm
Shank ⌀ D_s	4 mm
Overall length L	50 mm
Flute length L_c	12 mm
Number of cutting edges Z	4
recommended drill ⌀ in steel < 1100 N/mm²	1.9 mm
Bore ⌀ tolerance	H7
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Through-coolant	no
Shank	DIN 6535 HA with 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 (short chipping)	suitable	30 m/min	N
Alu > 10% Si	suitable	25 m/min	N
Steel < 500 N/mm²	suitable	13 m/min	P
Steel < 750 N/mm²	suitable	13 m/min	P
Steel < 900 N/mm²	suitable	10 m/min	P
Steel < 1100 N/mm²	suitable	8 m/min	P
Steel < 1400 N/mm²	suitable	6 m/min	P
INOX < 900 N/mm²	suitable only under restricted conditions	10 m/min	M
INOX > 900 N/mm²	suitable only under restricted conditions	8 m/min	M

Ti > 850 N/mm²	suitable	8 m/min	S
GG(G)	suitable	8 m/min	K
CuZn	suitable	20 m/min	N
Uni	suitable		
wet maximum	suitable		