

Garant

Solid carbide NC machine reamer, uncoated, Nominal \varnothing DC: 4 mm



Order data

Order number	164340 4
GTIN	4045197093349
Item class	11P

Description

Version:

Version suitable for NC similar to DIN 8093 **with straight shank \varnothing** 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 \varnothing tolerance: H7

Number of cutting edges Z: 4

Bore \varnothing tolerance: H7

Flute length L_c : 21 mm

Overhang L_1 : 43 mm

Overall length L: 77 mm

Number of cutting edges Z: 4

Shank \varnothing D_s : 4 mm

Technical description

Shank tolerance	h6
Feed f in steel < 1100 N/mm ²	0.12 mm/rev.
Overhang L_1	43 mm

Nominal $\varnothing D_c$	4 mm
Shank $\varnothing D_s$	4 mm
Overall length L	77 mm
Flute length L_c	21 mm
Number of cutting edges Z	4
recommended drill \varnothing in steel < 1100 N/mm ²	3.8 mm
Bore \varnothing 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/mm ²	suitable	13 m/min	P
Steel < 750 N/mm ²	suitable	13 m/min	P
Steel < 900 N/mm ²	suitable	10 m/min	P
Steel < 1100 N/mm ²	suitable	8 m/min	P
Steel < 1400 N/mm ²	suitable	6 m/min	P
INOX < 900 N/mm ²	suitable only under restricted conditions	10 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	8 m/min	M

Ti > 850 N/mm ²	suitable	8 m/min	S
GG(G)	suitable	8 m/min	K
CuZn	suitable	20 m/min	N
Uni	suitable		
wet maximum	suitable		