Garant

Solid carbide NC machine reamer Configurable, TiAlN, Nominal ⌀ DC: 4,5mm

Order data

Order number	164344 4,5
GTIN	4045197854513
Item class	10N

Description

Version:
Version suitable for NC DIN 8093-2 **with straight shank** ⌀ for **standard chucking** especially in **hydraulic chucks** or **high precision collet chucks.** This ensures **very high concentricity** and **process reliability**,
The use of GARANT-NC reamers eliminates the need to procure special collets. With long flutes and left-hand helix.
Reamers finish ground to match your specification.
Application:
For reaming through holes, as the chips are evacuated in the cutting direction. Lead taper is suitable also for blind holes.
Note:
For H7 fit see No. 164340 and 164341.

Technical description

Feed f in steel < 1100 N/mm^2	0.12 mm/rev.
Nominal ⌀ D_C	4.5 mm
Overall length L	80 mm
Number of cutting edges Z	6
⌀ range	4.1 - 4.79 mm
Shank ⌀ D_s	6 mm
Overhang L_1	42 mm
Shank tolerance	h6

Flute length L_c	21 mm
Reaming oversize in diameter	0.05 - 0.1 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 8093
Through-coolant	no
Shank	DIN 6535 HA to h6
Application for type of drilling	for through hole
Colour ring	green
Type of product	Phillips bit

User data

	Suitability	V_c	ISO code
Aluminium	suitable	35 m/min	N
Aluminium (short chipping)	suitable	30 m/min	N
Alu > 10% Si	suitable only under restricted conditions	25 m/min	N
Steel < 500 N/mm²	suitable	30 m/min	P
Steel < 750 N/mm²	suitable	25 m/min	P
Steel < 900 N/mm²	suitable	20 m/min	P
Steel < 1100 N/mm²	suitable	15 m/min	P
Steel < 1400 N/mm²	suitable	10 m/min	P
INOX < 900 N/mm²	suitable	15 m/min	M
INOX > 900 N/mm²	suitable	12 m/min	M
Ti > 850 N/mm²	suitable only under restricted conditions	10 m/min	S
GG(G)	suitable	10 m/min	K
CuZn	suitable	25 m/min	N
Uni	suitable		

wet maximum	suitable