

Solid carbide NC machine reamer Configurable, uncoated, Nominal \varnothing DC: 4,5mm



Order data

Order number	164345 4,5		
GTIN	4045197328243		
Item class	10N		

Description

Version:

Version suitable for NC DIN 8093-2 with straight shank \emptyset 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

Overhang L ₁	42 mm		
Nominal Ø D _c	4.5 mm		
Shank tolerance	h6		
Feed f in steel < 1100 N/mm ²	0.12 mm/rev.		
Shank Ø D _s	6 mm		
Overall length L	80 mm		
Flute length L _c	21 mm		
Ø range	4.1 - 4.79 mm		

Number of cutting edges Z	6		
Reaming oversize in diameter	0.05 - 0.1 mm		
Coating	uncoated		
Tool material	Solid carbide		
Standard	DIN 8093		
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	suitable	35 m/min	N
Aluminium (short chipping)	suitable	30 m/min	N
Steel < 500 N/mm²	suitable	20 m/min	Р
Steel < 750 N/mm²	suitable	13 m/min	Р
Steel < 900 N/mm²	suitable	10 m/min	Р
Steel < 1100 N/mm²	suitable	8 m/min	Р
Steel < 1400 N/mm ²	suitable	6 m/min	Р
INOX < 900 N/mm ²	suitable only under restricted conditions	10 m/min	М
INOX > 900 N/mm ²	suitable only under restricted conditions	8 m/min	М
Ti > 850 N/mm ²	suitable	8 m/min	S
GG(G)	suitable	8 m/min	К
CuZn	suitable	20 m/min	N
Uni	suitable		
wet maximum	suitable		

