

Garant

Solid carbide NC machine reamer Configurable, TiAlN, Nominal Ø DC: 20mm



Order data

Order number	164344 20
GTIN	4045197857767
Item class	10N

Description

Version:

Version suitable for NC DIN 8093-2 with straight shank Ø 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.

Rreamers 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

Shank tolerance	h6
Feed f in steel < 1100 N/mm ²	0.2 mm/rev.
Flute length L _c	52 mm
Overall length L	195 mm
Shank Ø D _s	20 mm
Overhang L ₁	143 mm
Ø range	19.21 - 20.2 mm
Nominal Ø D _c	20 mm

Number of cutting edges Z	8
Reaming oversize in diameter	0.2 - 0.3 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/mm ²	suitable	30 m/min	P
Steel < 750 N/mm ²	suitable	25 m/min	P
Steel < 900 N/mm ²	suitable	20 m/min	P
Steel < 1100 N/mm ²	suitable	15 m/min	P
Steel < 1400 N/mm ²	suitable	10 m/min	P
INOX < 900 N/mm ²	suitable	15 m/min	M
INOX > 900 N/mm ²	suitable	12 m/min	M
Ti > 850 N/mm ²	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