

Garant
HSS high-performance reamer HPC through hole, TiAlN, Nominal Ø DC: 21mm

Order data

Order number	164358 21
GTIN	4045197769572
Item class	10N

Description
Version:

Version suitable for NC with straight shank Ø for the standardised toolholder, specially in **hydraulic chucks** or **high-accuracy chucks**.

This ensures **very high concentricity** and **process reliability**.

It is no longer necessary to procure special arbors.

With internal coolant feed for **HPC use** to reduce production costs.

With short, straight flutes.

Tolerance specifications:

Configurable:Reamers finish ground to match your specification.

H7: Version to DIN1420 for H7 bore tolerance.

Application:

For **HPC/HSC reaming** of **through holes**.

Technical description

Overall length L	160 mm
Ø range	20.21 - 21.2 mm
Flute length L _c	25 mm
Overhang L ₁	105 mm
Feed f in steel < 1100 N/mm ²	0.3 mm/rev.
Number of cutting edges Z	8
Shank Ø D _s	20 mm
Nominal Ø D _c	21 mm

Tolerance	Configurable
Reaming oversize in diameter	0.3 mm
Coating	TiAlN
Tool material	HSS
Standard	Manufacturer's standard
Through-coolant	yes, with 25 bar
Shank	DIN 6535 HA with h6
Machining strategy	HPC
Application for type of drilling	for through holes
Colour ring	green
Type of product	Phillips bit

User data

	Suitability	V _c	ISO code
Steel < 750 N/mm ²	suitable	45 m/min	P
Steel < 900 N/mm ²	suitable	45 m/min	P
Steel < 1100 N/mm ²	suitable	35 m/min	P
Steel < 1400 N/mm ²	suitable	35 m/min	P
GG	suitable	40 m/min	K
GGG	suitable	30 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		