

Garant

GARANT Master Steel solid carbide high-performance reamer HPC through hole, TiAlN, Nominal Ø DC: 5H7 mm



Order data

Order number	164420 5H7
GTIN	4062406282219
Item class	10P

Description

Version:

Universal HPC reamers of the latest generation, with improved tooth geometry and advanced carbide substrate.

Extra-short teeth for increased cutting performance values.

Optimised cooling strategy with radially arranged coolant outlets aligned directly to the teeth.

For uncompromising applications in steel and stainless steel.

Reliable machining of high-tensile steels up to 60 HRC.

Version suitable for NC with straight shank Ø for standard arbors especially in **hydraulic chucks** or **high precision collet chucks**.

Very high concentricity and process reliability thanks to unequal spacing of the teeth and special profile of the round chamfer width.

Reamers finish ground to match your specifications.

Version with straight flutes with TiAlN coating.

Application:

Special version for through holes.

Application for type of drilling: for through holes

Bore Ø tolerance: H7

Number of cutting edges Z: 4

Bore Ø tolerance: H7

Flute length L_c : 8 mm

Overhang L_1 : 39 mm

Overall length L: 75 mm

Number of cutting edges Z: 4

Shank Ø D_s : 6 mm

Technical description

Flute length L_c	8 mm
Overall length L	75 mm
Feed f in stainless steel $< 900 \text{ N/mm}^2$	0.2 mm/rev.
Number of cutting edges Z	4
Bore \varnothing tolerance	H7
Shank $\varnothing D_s$	6 mm
Series	GARANT Master Steel
Feed f in steel $< 1100 \text{ N/mm}^2$	0.6 mm/rev.
Nominal $\varnothing D_c$	5 mm
Overhang L_1	39 mm
Hole \varnothing	4.9 mm
Coating	TiAlN
Tool material	Solid carbide
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	Reaming tool with non-detachable cutters