

Garant
Solid carbide reamer HPC through hole, TiAlN, Nominal Ø DC: 12H7mm

Order data

Order number	164348 12H7
GTIN	4045197644138
Item class	10N

Description
Version:

Version suitable for NC with straight shank Ø for standard arbors especially in **hydraulic chucks** or **high precision collet chucks**. This gives **very high concentricity** and **process reliability**. No need to procure special collets. With internal coolant supply for **HPC applications** to reduce manufacturing costs.

Reamers finish ground to match your specifications.

With short, straight flutes.

Application:

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

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 164420.

Application for type of drilling: for through holes

Bore Ø tolerance: H7

Number of cutting edges Z: 6

Bore Ø tolerance: H7

Flute length L_c : 20 mm

Overhang L_1 : 71 mm

Overall length L: 120 mm

Number of cutting edges Z: 6

Shank Ø D_s : 12 mm

Technical description

Shank tolerance	h6
Overhang L_1	71 mm

Feed f in steel < 60 HRC	0.15 mm/rev.
Nominal $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm
Overall length L	120 mm
Flute length L_c	20 mm
Number of cutting edges Z	6
recommended drill \varnothing in steel < 60 HRC	11.9 mm
Bore \varnothing tolerance	H7
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	red
Type of product	Phillips bit

User data

	Suitability	V_c	ISO code
Steel < 55 HRC	suitable	12 m/min	H
Steel < 60 HRC	suitable only under restricted conditions	8 m/min	H
Steel < 65 HRC	Suitable only under restricted conditions	6 m/min	H
Oil	suitable		
wet maximum	suitable		