

Garant
HSS high-performance reamer HPC through hole, TiAlN, Nominal Ø DC: 18H7mm

Order data

Order number	164358 18H7
GTIN	4045197767813
Item class	10N

Description
Version:

Version suitable for NC with straight shank \varnothing 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

Shank $\varnothing D_s$	18 mm
Number of cutting edges Z	8
Nominal $\varnothing D_c$	18 mm
Feed f in steel < 1100 N/mm ²	0.23 mm/rev.
Overhang L_1	97 mm
Overall length L	150 mm
Flute length L_c	25 mm

Tolerance	H7
Reaming oversize in diameter	0.2 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		