

Garant
Solid carbide reamer HPC through hole, TiAlN, Nominal Ø DC: 19mm

Order data

Order number	164348 19
GTIN	4045197549044
Item class	10N

Description
IMPORTANT: item is configurable

 Nominal Ø D_C: 19 mm

Ø range: 18.21 - 19.2 mm, Intervall: 0,001

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

Number of cutting edges Z: 6

Ø range: 18.21 - 19.2 mm

 Flute length L_C: 25 mm

 Overhang L₁: 95 mm

Overall length L: 150 mm

Number of cutting edges Z: 6

 Shank Ø D_S: 20 mm

Technical description

Overhang L ₁	95 mm
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Nominal $\varnothing D_c$	19 mm
Shank tolerance	h6
Feed f in steel < 60 HRC	0.16 mm/rev.
Shank $\varnothing D_s$	20 mm
Overall length L	150 mm
Flute length L_c	25 mm
\varnothing range	18.21 - 19.2 mm
Number of cutting edges Z	6
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		