

Garant
Solid carbide reamers HPC through hole, TiAlN, Nominal Ø DC: 11,98 mm

Order data

Order number	164362 11,98
GTIN	4045197363343
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**. For **highest concentricity** and **process reliability**. No need to procure special collets. With internal coolant supply for **HPC applications** to reduce manufacturing costs.

Reamer manufacturing tolerances:

whole number sizes and Ø 0.5: H7 to DIN 1420

1/100 sizes Ø 3.97 – 12.03: +0.004/0

With short flutes and left-hand helix.

Application:

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

Application for type of drilling: for through holes

Bore Ø tolerance: 0 / 0.004

Number of cutting edges Z: 6

Bore Ø tolerance: 0 / 0.004

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
Feed f in steel < 1100 N/mm ²	0.7 mm/rev.
Overhang L_1	71 mm

Nominal $\varnothing D_c$	11.98 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 < 1100 N/mm ²	11.8 mm
Bore \varnothing tolerance	0 / 0.004
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Through-coolant	yes
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