

Garant
Solid carbide reamers HPC through hole, TiAlN, Nominal \varnothing DC: 11,99 mm

Order data

Order number	164362 11,99
GTIN	4045197363350
Item class	10N

Description
Version:

Version suitable for NC with straight shank \varnothing 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 \varnothing 0.5: H7 to DIN 1420

1/100 sizes \varnothing 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 \varnothing tolerance: 0 / 0.004

Number of cutting edges Z: 6

Bore \varnothing 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 \varnothing D_s : 12 mm

Technical description

Nominal \varnothing D_c	11.99 mm
Overhang L_1	71 mm
Shank tolerance	h6

Feed f in steel < 1100 N/mm ²	0.7 mm/rev.
Shank Ø D _s	12 mm
Overall length L	120 mm
Flute length L _c	20 mm
Number of cutting edges Z	6
recommended drill Ø in steel < 1100 N/mm ²	11.8 mm
Bore Ø 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