

**Garant**
**Solid carbide reamers HPC through hole, TiAlN, Nominal  $\varnothing$  DC: 5,99 mm**

**Order data**

Order number	164362 5,99
GTIN	4045197363176
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: 4

Bore  $\varnothing$  tolerance: 0 / 0.004

Flute length  $L_c$ : 12 mm

Overhang  $L_1$ : 35 mm

Overall length L: 75 mm

Number of cutting edges Z: 4

Shank  $\varnothing$   $D_s$ : 6 mm

**Technical description**

Nominal $\varnothing$ $D_c$	5.99 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.4 mm/rev.
Overhang $L_1$	35 mm

Shank tolerance	h6
Shank $\varnothing$ D <sub>s</sub>	6 mm
Overall length L	75 mm
Flute length L <sub>c</sub>	12 mm
Number of cutting edges Z	4
recommended drill $\varnothing$ in steel < 1100 N/mm <sup>2</sup>	5.9 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