

**Garant**
**Solid carbide reamers HPC blind hole, TiAlN, Nominal Ø DC: 9,99mm**

**Order data**

Order number	164392 9,99
GTIN	4045197363657
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, straight flutes.

**Application:**

For **HPC/HSC reaming** of **blind holes**.

**Note:**

**NEW GENERATION AVAILABLE!**

**Recommended successor product is No. 164425.**

Application for type of drilling: for blind 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  $L_1$ : 76 mm

Overall length L: 120 mm

Number of cutting edges Z: 6

Shank Ø  $D_s$ : 10 mm

**Technical description**

Overhang $L_1$	76 mm
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Nominal $\varnothing D_c$	9.99 mm
Shank tolerance	h6
Feed $f$ in steel $< 1100 \text{ N/mm}^2$	0.6 mm/rev.
Shank $\varnothing D_s$	10 mm
Overall length $L$	120 mm
Flute length $L_c$	20 mm
Number of cutting edges $Z$	6
recommended drill $\varnothing$ in steel $< 1100 \text{ N/mm}^2$	9.8 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 blind holes
Colour ring	green
Type of product	Phillips bit

## User data

	Suitability	$V_c$	ISO code
Steel $< 750 \text{ N/mm}^2$	suitable	150 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	120 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	120 m/min	P
GG	suitable	80 m/min	K
GGG	suitable	60 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		

