

**Garant**
**Solid carbide reamers HPC through hole, TiAlN, Nominal Ø DC: 20 mm**

**Order data**

Order number	164362 20
GTIN	4045197445919
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: H7

Number of cutting edges Z: 8

Bore Ø tolerance: H7

Flute length  $L_c$ : 25 mm

Overhang  $L_1$ : 95 mm

Overall length L: 150 mm

Number of cutting edges Z: 8

Shank Ø  $D_s$ : 20 mm

**Technical description**

Shank tolerance	h6
Overhang $L_1$	95 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	1.1 mm/rev.

Nominal $\varnothing D_c$	20 mm
Shank $\varnothing D_s$	20 mm
Overall length L	150 mm
Flute length $L_c$	25 mm
Number of cutting edges Z	8
recommended drill $\varnothing$ in steel < 1100 N/mm <sup>2</sup>	19.8 mm
Bore $\varnothing$ tolerance	H7
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