

**Garant**
**Cermet reaming head HPC H7 steel Through hole, uncoated, Nominal Ø D: 23 mm**

**Order data**

Order number	239710 23
GTIN	4062406115258
Item class	23A

**Description**
**Version:**

Interchangeable head reamer system **finish ground for fit IT7**. Cutter geometry matched to the application.

**System concentricity  $\leq 5 \mu\text{m}$  (depending on the head and holder) when mounted.**

With short flutes and left-hand helix.

**Application:**

**For through holes.**

For HPC/HSC reaming.

**Note:**

**Total usable length** =  $L_1$  (arbor No. 239740 / 239745) +  $l$  (interchangeable head No. 239710 to 239735).

Clamping wrench = No. 219987.

Insert for torque wrench = No. 219986.

Further sizes available on request.

Arbor size: 20 mm

Cutter length  $l_1$ : 12 mm

Head length  $l$ : 26 mm

Number of cutting edges  $Z$ : 6

Feed  $f$  in steel  $< 1100 \text{ N/mm}^2$ : 0.6 mm/rev.

**Technical description**

Head length l	26 mm
Arbor size	20 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.6 mm/rev.
Number of cutting edges Z	6
Nominal Ø D	23 mm
Cutter length l <sub>1</sub>	12 mm
Width across flats	16 mm
Coating	uncoated
Tool material	Cermet
Standard	Manufacturer's standard
Hole tolerance	H7
Application for type of drilling	for through hole
Machining strategy	HPC
Through-coolant	yes
Semi-Standard	yes
suitable arbor	GARANT TopCut
Type of product	Cutter insert for reaming