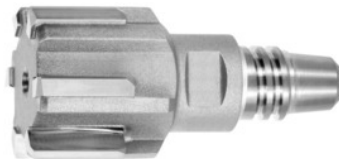


Garant**Cermet reaming head HPC H7 steel Blind hole, uncoated, Nominal Ø D: 23mm****Order data**

Order number	239715 23
GTIN	4062406115593
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, straight flutes.

Application:

For blind holes.

For HPC/HSC reaming.

Note:

Total usable length = L_1 (arbor No. 239740 / 239745) + l (interchangeable head No. 239710 to 239720).

Suitable assembly wrench No. 219987. Insert for torque wrench No. 219986.

Further sizes available on request.

Technical description

Arbor size	16 mm
Feed f in steel $< 1100 \text{ N/mm}^2$	0.6 mm/rev.
Head length l	26 mm
Cutter length l_1	12 mm
Number of cutting edges Z	6

Nominal Ø D	23 mm
Width across flats	13 mm
Series	TopCut
Coating	uncoated
Tool material	Cermet
Standard	Manufacturer's standard
Hole tolerance	H7
Application for type of drilling	for blind holes
Machining strategy	HPC
Through-coolant	yes
Semi-Standard	yes
suitable arbor	GARANT TopCut
Type of product	Cutter insert for reaming

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	140 m/min	P
Steel < 750 N/mm ²	suitable	140 m/min	P
Steel < 900 N/mm ²	suitable	140 m/min	P
Steel < 1100 N/mm ²	suitable	120 m/min	P
GG	suitable only under restricted conditions	160 m/min	K
G GG	suitable only under restricted conditions	140 m/min	K
Oil	suitable		
wet maximum	suitable		