

**Garant****HiPer-Drill cutter insert h7, HB7630, Ø D: 21-Xmm****Order data**

Order number	231650 21-X
GTIN	4062406636531
Item class	20N

**Description****Version:**

Vee ground cutter inserts for precise positioning and stable seating.  
Concentricity when assembled  $\leq 20 \mu\text{m}$ . For holes up to IT9 accuracy.

**Note:**

Cutting data applies for the base body  $5 \times D$ .

Drill pilot holes exclusively with cutter insert of the same type. Delivery time: 10 working weeks

Minimum order quantity: 3 pieces

Items made to order for a specific customer:

Cancellation only up to a maximum of 3 working days after receipt of order acknowledgement.

Items cannot be returned.

**Technical description**

Feed $f$ in stainless steel $> 900 \text{ N/mm}^2$	0.23 mm/rev.
for base body size	21 mm
Series	HiPer-Drill
Number of changes/inserts	1

Ø range	21 - 21.99 mm
Point angle	135 degrees
Grade	HB7630
Tool material	Carbide
Semi-Standard	yes
Number of cutting edges Z	2
Type of product	Cutter insert for boring

### User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable only under restricted conditions	200 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	200 m/min	N
Alu > 10% Si	suitable only under restricted conditions	150 m/min	N
INOX < 900 N/mm <sup>2</sup>	suitable	65 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	55 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable	30 m/min	S
wet maximum	suitable		

### Accessories

Torx Plus® screw Drive 9IP	231999 9IP
----------------------------	------------