

**Garant****HiPer-Drill cutter insert n7, HU7810, Ø D: 21-Xmm****Order data**

Order number	231630 21-X
GTIN	4062406635718
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 5xD.

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**

Number of changes/inserts	1
Feed f in aluminium short-chipping	0.42 mm/rev.
for base body size	21 mm
Series	HiPer-Drill

Coating	uncoated
Ø range	21 - 21.99 mm
Point angle	135 degrees
Grade	HU7810
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	250 m/min	N
Aluminium (short chipping)	suitable	200 m/min	N
Alu > 10% Si	suitable	150 m/min	N
CuZn	suitable	180 m/min	N
wet maximum	suitable		