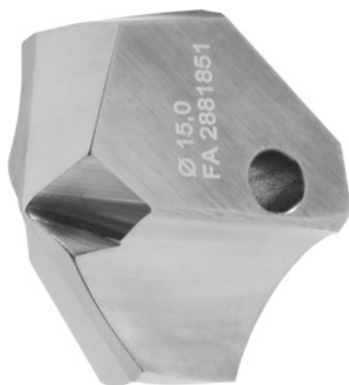


**Garant****HiPer-Drill cutter insert n7, HU7810, Ø D: 13mm****Order data**

Order number	231630 13
GTIN	4045197710031
Item class	21M

**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.

**Technical description**

Feed f in aluminium short-chipping	0.29 mm/rev.
Ø D	13 mm
for base body size	13 mm
Series	HiPer-Drill
Number of changes/inserts	1
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	$V_c$	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		