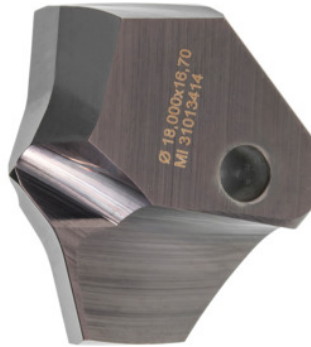


**Garant**
**HiPer-Drill cutter insert m7, HB3040, Ø D: 21 mm**

**Order data**

Order number	231645 21
GTIN	4062406162931
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.

**Special pyramidal point geometry**, optimal spot drilling – even with unstable conditions and long tool overhangs.

Such as when processing sheet metal and steel girders. Also suitable for stack drilling.

**Note:**

1×D maximum drilling depth without through-coolant.

Cutting data applies for the base body 5×D.

Drill pilot holes exclusively with cutter insert of the same type.

**Technical description**

Ø D	21 mm
for base body size	21 mm
Series	HiPer-Drill
Use for drilling	Drilling through a stack

Feed f in steel < 750 N/mm <sup>2</sup>	0.3 mm/rev.
Number of changes/inserts	1
Coating	TiAlN
Point angle	160 degrees
Grade	HB3040
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
Steel < 500 N/mm <sup>2</sup>	suitable	140 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	120 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	100 m/min	P
GG(G)	suitable only under restricted conditions	80 m/min	K
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		