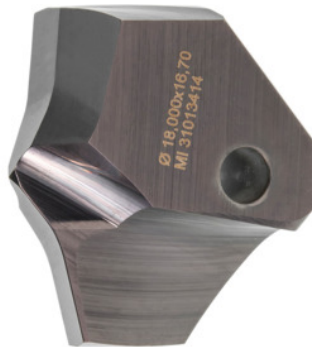


**Garant****HiPer-Drill cutter insert m7, HB3040, Ø D: 19 mm****Order data**

|              |               |
|--------------|---------------|
| Order number | 231645 19     |
| GTIN         | 4062406162887 |
| 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:**

1xD maximum drilling depth without through-coolant.

Cutting data applies for the base body 5xD.

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

Semi-Standard: yes

Use for drilling: Drilling through a stack

for base body Ø D: 19 mm

Feed f in steel  $< 750 \text{ N/mm}^2$ : 0.3 mm/rev.

**Technical description**

|                   |       |
|-------------------|-------|
| for base body Ø D | 19 mm |
|-------------------|-------|

|                                         |                          |
|-----------------------------------------|--------------------------|
| Ø D                                     | 19 mm                    |
| 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                    |
| Grade                                   | HB3040                   |
| Tool material                           | Carbide                  |
| Point angle                             | 120 degrees              |
| Semi-Standard                           | yes                      |
| Number of cutting edges Z               | 2                        |
| Type of product                         | Cutter insert for boring |