

**Garant****Full profile insert 60°, external, right-hand, HB7020, Pitch: 2mm****Order data**

|              |               |
|--------------|---------------|
| Order number | 270702 2      |
| GTIN         | 4045197369406 |
| Item class   | 21J           |

**Description****Version:**

**Full profile insert 60°** for external threads to DIN / ISO R 262 (DIN 13) tolerance class 6g.

**Technical description**

|                               |              |
|-------------------------------|--------------|
| Tool material                 | Carbide      |
| Thread pitch                  | 2 mm         |
| Internal/external application | external     |
| Application type              | right-hand   |
| Indexable insert profile      | Full profile |
| Grade                         | HB7020       |
| Tolerance class               | DIN 13 6g    |
| Thread type                   | M            |
| Thread type                   | MF           |
| Thread type                   | M-LH         |

|                 |                                     |
|-----------------|-------------------------------------|
| Thread type     | MF-LH                               |
| Flank angle     | 60 degrees                          |
| Thickness       | 3.6 mm                              |
| Insert size L   | 16 mm                               |
| Type of product | Indexable insert for thread turning |

### User data

|                                | Suitability                               | V <sub>c</sub> | ISO code |
|--------------------------------|---|----------------|----------|
| Aluminium (short chipping)     | suitable only under restricted conditions | 200 m/min      | N        |
| Alu > 10% Si                   | suitable only under restricted conditions | 180 m/min      | N        |
| Steel < 500 N/mm <sup>2</sup>  | suitable only under restricted conditions | 160 m/min      | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 160 m/min      | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 120 m/min      | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 90 m/min       | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable only under restricted conditions | 70 m/min       | P        |
| Steel < 55 HRC                 | suitable only under restricted conditions | 30 m/min       | H        |
| INOX < 900 N/mm <sup>2</sup>   | suitable only under restricted conditions | 90 m/min       | M        |
| INOX > 900 N/mm <sup>2</sup>   | suitable only under restricted conditions | 90 m/min       | M        |
| Ti > 850 N/mm <sup>2</sup>     | suitable only under restricted conditions | 50 m/min       | S        |
| GG(G)                          | suitable                                  | 120 m/min      | K        |
| CuZn                           | suitable only under restricted conditions | 120 m/min      | N        |
| continuous                     | suitable only under restricted conditions |                |          |

|             |  |
|-------------|--|
| irregular   | suitable                                     |
| interrupted | suitable                                     |
| wet maximum | suitable                                     |
| dry         | suitable only under<br>restricted conditions |