

**Garant**
**Shoulder mill 90°, Weldon shank, Ø D / number of teeth Z: 20/2Lmm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 215800 20/2L  |
| GTIN         | 4045197281173 |
| Item class   | 210           |

**Description**
**Application:**

**Universal application in all materials.**

- **Angle and slot milling, milling pockets, circular milling, bore milling, peripheral milling.**

**Note:**

Use GARANT torque screwdriver TQ No. **211750 size 1.2** with bit No. **674252 size 8IP**.

- **Change the insert screws after longer use of the indexable inserts. Ensure the insert screws are well greased before use (e.g. with copper paste).**

**Technical description**

|   |                      |
|---|----------------------|
| Shank Ø D <sub>s</sub> h6                         | 20 mm                |
| Overall length L <sub>tot</sub>                   | 150 mm               |
| Overhang L <sub>1</sub>                           | 50 mm                |
| Pack of insert screws                             | 219814 (8IP; 1.2 Nm) |
| suitable indexable insert                         | AP.. 1003..          |
| Cutting edge Ø D <sub>c</sub>                     | 20 mm                |
| Number of cutting edges Z                         | 2                    |
| Ramping length L for α <sub>max</sub>             | 14.85 mm             |
| Circular interpolation milling Ø D <sub>max</sub> | 38 mm                |
| Circular interpolation milling Ø D <sub>min</sub> | 37 mm                |
| Ramping angle α <sub>max</sub>                    | 0.96 degrees         |

|                     |                  |
|---------------------|------------------|
| Ø D <sub>3</sub>    | 17 mm            |
| Shank type          | Weldon shank     |
| Setting angle κ     | 90 degrees       |
| Milling application | End milling      |
| Milling application | Circular milling |
| Milling application | Ramping          |
| Through-coolant     | yes              |
| Machining strategy  | MTC              |
| Tool exchange       | PowerCard        |
| Type of product     | End / face mill  |

## Accessories

|  |            |
|--|------------|
| Set of insert screws 10-piece                                      | 219814     |
| PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 8IP | 674252 8IP |
| Torque screwdriver, fixed setting set torque 1,2 N·m               | 211750 1,2 |