

## Garant

### GARANT Softcut® 90° shoulder mill MTC long, Plain shank, Ø D / number of teeth Z: 12/2Lmm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 215609 12/2L  |
| GTIN         | 4045197409782 |
| Item class   | 210           |

#### Description

##### Version:

High precision indexable face mill with irregular pitch for very smooth cutting, very high precision and very high metal removal rate. **New generation** of high performance indexable face mills **with special geometry for reduced cutting forces for MTC applications** under **unstable conditions** or **for spindles with low drive power. Suitable inserts APMT 0602..**

##### Application:

For shoulder milling to large depths, also slotting. General use in all steels including stainless and acid-resistant steels.

##### Spare part:

Pack of insert screws No. 219827 (6IP; 0.45 Nm).

##### Note:

GARANT torque screwdriver TQ No. **211750 size 0.45**, use bit No. **674252 size 6IP**.

The insert pocket must be modified when using indexable inserts with a radius of 2 mm.

#### Technical description

|                                 |                       |
|---------------------------------|-----------------------|
| Shank Ø D <sub>s</sub> h6       | 10 mm                 |
| Overhang L <sub>1</sub>         | 20 mm                 |
| Pack of insert screws           | 219827 (6IP; 0.45 Nm) |
| Overall length L <sub>tot</sub> | 120 mm                |
| Cutting edge Ø D <sub>c</sub>   | 12 mm                 |
| suitable indexable insert       | AP.. 0602..           |
| Number of cutting edges Z       | 2                     |

|   |                  |
|---|------------------|
| Ramping length L for $\alpha_{\max}$                  | 8.85 mm          |
| Circular interpolation milling $\varnothing D_{\max}$ | 22 mm            |
| Circular interpolation milling $\varnothing D_{\min}$ | 22 mm            |
| Circular interpolation milling $a_p$                  | 0.8 mm           |
| Ramping angle $\alpha_{\max}$                         | 1.29 degrees     |
| Series  | Softcut®         |
| $\varnothing D_3$                                     | 10 mm            |
| Shank type  | Plain shank      |
| Setting angle $\kappa$                                | 90 degrees       |
| Milling application                                   | End milling      |
| Milling application                                   | Ramping          |
| Milling application                                   | Circular milling |
| Spacing of the cutters                                | unequal spacing  |
| Through-coolant                                       | yes              |
| Machining strategy                                    | MTC              |
| Tool exchange   | PowerCard        |
| Type of product                                       | End / face mill  |

## Accessories

|  |             |
|--|-------------|
| Torque screwdriver, fixed setting set torque 0,45 N·m              | 211750 0,45 |
| PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 6IP | 674252 6IP  |
| Set of insert screws 10-piece                                      | 219827      |