

Garant

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



Order data

| | |
|--------------|---------------|
| Order number | 215609 12/2 |
| GTIN | 4045197409799 |
| 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.

Overhang L_1 : 20 mm

Overall length L_{tot} : 80 mm

Shank $\varnothing D_s$ h6: 12 mm

Circular interpolation milling $\varnothing D_{min}$: 16.3 mm

Circular interpolation milling $\varnothing D_{max}$: 23.3 mm

Circular interpolation milling a_p : 0.8 mm

Technical description

| | |
|---------------------------|-------------|
| Overhang L_1 | 20 mm |
| suitable indexable insert | AP.. 0602.. |

| | |
|--|-------------------------|
| Pack of insert screws | 219827 (6IP; 0.45 Nm) |
| Overall length L_{tot} | 80 mm |
| Shank $\varnothing D_s$ h6 | 12 mm |
| Cutting edge $\varnothing D_c$ | 12 mm |
| Number of cutting edges Z | 2 |
| Ramping length L for α_{max} | 68.6 mm |
| Circular interpolation milling $\varnothing D_{max}$ | 23.3 mm |
| Circular interpolation milling $\varnothing D_{min}$ | 16.3 mm |
| Circular interpolation milling a_p | 0.8 mm |
| Ramping angle α_{max} | 3.3 degrees |
| Shank type | Plain shank |
| Setting angle κ | 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 | Indexable insert cutter |

Accessories

| | |
|---|-------------|
| Set of insert screws 10-piece | 219827 |
| Torque screwdriver, fixed setting set torque 0,45 Nm | 211750 0,45 |
| PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 6IP | 674252 6IP |