

**Garant**
**Softcut® 90° shoulder mill MTC, with bore, Ø D / number of teeth Z: 63/12 mm**

**Order data**

Order number	215620 63/12
GTIN	4045197550606
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**.

**Application:**

For face milling to large depths, also slotting. General use in all steels including stainless 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.

Overall length  $L_{tot}$ : 40 mm

Mounting bore Ø: 22 mm

Circular interpolation milling Ø  $D_{min}$ : 82.3 mm

Circular interpolation milling Ø  $D_{max}$ : 89.3 mm

Circular interpolation milling  $a_p$ : 0.8 mm

Ramping angle  $\alpha_{max}$ : 0.4 degrees

## Technical description

Cutting edge $\varnothing D_c$	63 mm
Mounting bore $\varnothing$	22 mm
suitable indexable insert	AP.. 0602..
Pack of insert screws	219827 (6IP; 0.45 Nm)
Overall length $L_{tot}$	40 mm
Number of cutting edges Z	12
Ramping angle $\alpha_{max}$	0.4 degrees
Circular interpolation milling $a_p$	0.8 mm
Ramping length L for $\alpha_{max}$	572.9 mm
Circular interpolation milling $\varnothing D_{min}$	82.3 mm
Circular interpolation milling $\varnothing D_{max}$	89.3 mm
Series	Softcut®
Shank type	with bore
Setting angle $\kappa$	90 degrees
Milling application	End milling
Milling application	Circular milling
Milling application	Ramping
Spacing of the cutters	unequal spacing
Through-coolant	yes
Machining strategy	MTC
Tool exchange	PowerCard
Type of product	Indexable insert cutter

## Accessories

Torque screwdriver, fixed setting set torque 0,45 Nm	211750 0,45
Set of insert screws 10-piece	219827

PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile  
6IP

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674252 6IP