

Garant

**Softcut® 90° shoulder mill MTC, with threaded shank, Ø D / number of teeth Z:
12/3 mm**


Order data

Order number	215615 12/3
GTIN	4045197601858
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} : 20 mm

$\varnothing D_1$ h6: 6.5 mm

$\varnothing D_2$: 10.7 mm

Mounting thread M: M6

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

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

Technical description

Mounting thread M	M6
Overall length L_{tot}	20 mm

Ø D ₂	10.7 mm
Ø D ₁ h6	6.5 mm
Pack of insert screws	219827 (6IP; 0.45 Nm)
Cutting edge Ø D _c	12 mm
suitable indexable insert	AP.. 0602..
Number of cutting edges Z	3
Circular interpolation milling Ø D _{max}	23.3 mm
Circular interpolation milling a _p	0.8 mm
Circular interpolation milling Ø D _{min}	16.3 mm
Ramping angle α _{max}	3.3 degrees
Ramping length L for α _{max}	68.6 mm
Shank type	with threaded 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