

**Garant**

**GARANT Softcut® 90° shoulder mill MTC, with bore, Ø D / number of teeth Z:  
100/12mm**


**Order data**

Order number	215575 100/12
GTIN	4045197409416
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. 219826 (8IP; 2.2 Nm).

**Note:**

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

GARANT torque screwdriver TQ No. **211750 size 2.2**, use bit No. **674252 size 8IP**.

**Technical description**

Overall length $L_{tot}$	50 mm
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Pack of insert screws	219826 (8IP; 2.2 Nm)
Mounting bore $\varnothing$	32 mm
suitable indexable insert	AP.. 1335..
Cutting edge $\varnothing D_c$	100 mm
Number of cutting edges Z	12
Ramping angle $\alpha_{max}$	0.18 degrees
Circular interpolation milling $a_p$	2.1 mm
Ramping length L for $\alpha_{max}$	94.5 mm
Circular interpolation milling $\varnothing D_{min}$	197 mm
Circular interpolation milling $\varnothing D_{max}$	198 mm
Series	Softcut®
$\varnothing D_3$	97 mm
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	End / face mill

## Accessories

PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 8IP	674252 8IP
Torque screwdriver, fixed setting set torque 2,2 N·m	211750 2,2
Set of insert screws 10-piece	219826

