

**Garant****GARANT Softcut® 90° shoulder mill MTC, with bore, Ø D / number of teeth Z:  
40/3mm**

## Order data

Order number	215160 40/3
GTIN	4045197349255
Item class	210

## Description

### Version:

High precision square shoulder milling cutter with irregular pitch for very smooth cutting, very high precision and cutting power. High performance indexable square shoulder milling cutter **with special geometry for reduced cutting forces for MTC applications** under **unstable conditions** or **for spindles with low drive power**.

### Application:

For corner milling to large depths, also slotting. General use in all steels including stainless steels. Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres (**MTM**).

### Note:

Use GARANT torque screwdriver TQ No. **211750 size 3.8** with bit No. **674252 size 15IP**.  
The insert pocket must be modified when using indexable inserts with a radius greater than 3.1 mm.

## Technical description

Mounting bore Ø	16 mm
Overall length L <sub>tot</sub>	40 mm

Pack of insert screws	219808 (15IP; 3.8 Nm)
suitable indexable insert	AP.. 1805..
Cutting edge $\varnothing D_c$	40 mm
Number of cutting edges Z	3
Ramping angle $\alpha_{\max}$	0.9 degrees
Circular interpolation milling $a_p$	1 mm
Ramping length L for $\alpha_{\max}$	31.95 mm
Circular interpolation milling $\varnothing D_{\min}$	74 mm
Circular interpolation milling $\varnothing D_{\max}$	78 mm
Series	Softcut®
$\varnothing D_3$	34 mm
Shank type	with bore
Setting angle $\kappa$	90 degrees
Milling application	Corner 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

Torque screwdriver, fixed setting set torque 3,8 N·m	211750 3,8
PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 15IP	674252 15IP
Set of insert screws 10-piece	219808