

## Garant

**GARANT Softcut® 90° shoulder mill MTC, with bore, Ø D / number of teeth Z:  
160/10mm**



### Order data

Order number	215160 160/10
GTIN	4045197349392
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**. For arbors to DIN 2079, with 4 additional attachment holes.

Without internal cooling.

#### 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

Pack of insert screws	219808 (15IP; 3.8 Nm)
Mounting bore $\varnothing$	40 mm
Cutting edge $\varnothing D_c$	160 mm
suitable indexable insert	AP.. 1805..
Overall length $L_{tot}$	63 mm
Number of cutting edges Z	10
Ramping angle $\alpha_{max}$	0.19 degrees
Circular interpolation milling $a_p$	0.85 mm
Ramping length L for $\alpha_{max}$	151.95 mm
Circular interpolation milling $\varnothing D_{min}$	314 mm
Circular interpolation milling $\varnothing D_{max}$	318 mm
Series	Softcut®
$\varnothing D_3$	154 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