

**Garant**

**GARANT Softcut® 90° shoulder mill MTC, with bore, Ø D / number of teeth Z:  
80/7mm**

**Order data**

Order number	215160 80/7
GTIN	4045197349347
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	27 mm
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Pack of insert screws	219808 (15IP; 3.8 Nm)
Cutting edge $\varnothing D_c$	80 mm
Overall length $L_{tot}$	50 mm
suitable indexable insert	AP.. 1805..
Number of cutting edges Z	7
Ramping angle $\alpha_{max}$	0.4 degrees
Circular interpolation milling $a_p$	0.8 mm
Ramping length L for $\alpha_{max}$	71.95 mm
Circular interpolation milling $\varnothing D_{min}$	154 mm
Circular interpolation milling $\varnothing D_{max}$	158 mm
Series	Softcut®
$\varnothing D_3$	74 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

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

