

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

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.

Overall length L_{tot} : 50 mm

Mounting bore Ø: 27 mm

Circular interpolation milling Ø D_{min} : 141.5 mm

Circular interpolation milling Ø D_{max} : 158.5 mm

Circular interpolation milling a_p : 0.8 mm

Ramping angle α_{max} : 0.6 degrees

Technical description

Mounting bore \varnothing	27 mm
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 α_{max}	0.6 degrees
Circular interpolation milling a_p	0.8 mm
Ramping length L for α_{max}	859.4 mm
Circular interpolation milling $\varnothing D_{min}$	141.5 mm
Circular interpolation milling $\varnothing D_{max}$	158.5 mm
Series	Softcut®
Shank type	with bore
Setting angle κ	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	Indexable insert cutter

Accessories

PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 15IP

674252 15IP

Set of insert screws 10-piece	219808
Torque screwdriver, fixed setting set torque 3,8 Nm	211750 3,8