

Garant
Softcut® 90° shoulder mill MTC, with bore, Ø D / number of teeth Z: 52/5 mm

Order data

Order number	215160 52/5
GTIN	4045197349293
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} : 40 mm

Mounting bore Ø: 22 mm

Circular interpolation milling Ø D_{min} : 85.4 mm

Circular interpolation milling Ø D_{max} : 102.5 mm

Circular interpolation milling a_p : 0.9 mm

Ramping angle α_{max} : 1.2 degrees

Technical description

Mounting bore \varnothing	22 mm
suitable indexable insert	AP.. 1805..
Cutting edge $\varnothing D_c$	52 mm
Pack of insert screws	219808 (15IP; 3.8 Nm)
Overall length L_{tot}	40 mm
Number of cutting edges Z	5
Ramping angle α_{max}	1.2 degrees
Circular interpolation milling a_p	0.9 mm
Ramping length L for α_{max}	429.7 mm
Circular interpolation milling $\varnothing D_{min}$	85.4 mm
Circular interpolation milling $\varnothing D_{max}$	102.5 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

Torque screwdriver, fixed setting set torque 3,8 Nm	211750 3,8
	674252 15IP

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

Set of insert screws 10-piece

219808