

Garant**Softcut® shoulder mill with bore, for indexable inserts AP..****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:

The insert pocket must be modified when using indexable inserts with a radius greater than 3.1 mm.

Use GARANT torque screwdriver TQ No. **211750 size 3.8** with bit No. **674252 size 15IP**.

Technical description

Mounting bore Ø	27 mm
Set 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}	0.4 degrees
Circular interpolation milling a_p	0.8 mm
Ramping length L for α_{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 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	End / face mill

Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/215160-80/7>