

Garant**Softcut® shoulder mill with plain shank, for indexable inserts AP..****Order data**

Order number	215609 20/5
GTIN	4045197409881
Item class	210

Description**Version:**

High precision indexable shoulder mill with irregular pitch for very smooth cutting, very high precision and very high metal removal rate. **New generation** of high performance indexable shoulder mills **with special geometry for reduced cutting forces for MTC applications** under **unstable conditions** or **for spindles with low drive power**. Suitable inserts **APMT 0602..**

Application:

For shoulder milling to large depths, also slotting. General use in all steels including stainless and acid-resistant steels.

Spare part:

Pack of insert screws No. 219827 (6IP; 0.45 Nm).

Note:

GARANT torque screwdriver TQ No. **211750 size 0.45**, use bit No. **674252 size 6IP**.

The insert pocket must be modified when using indexable inserts with a radius of 2 mm.

Technical description

Shank Ø D _s h6	20 mm
suitable indexable insert	AP.. 0602..
Overhang L ₁	22 mm
Set of insert screws	219827 (6IP; 0.45 Nm)
Cutting edge Ø D _c	20 mm
Overall length L _{tot}	105 mm
Number of cutting edges Z	5

Ramping length L for $\alpha_{\max}$	16.85 mm
Circular interpolation milling $\varnothing D_{\max}$	38 mm
Circular interpolation milling $\varnothing D_{\min}$	38 mm
Circular interpolation milling a_p	0.9 mm
Ramping angle $\alpha_{\max}$	0.68 degrees
Series	Softcut®
$\varnothing D_3$	18 mm
Shank type	Plain shank
Setting angle κ	90 degrees
Milling application	End milling
Milling application	Ramping
Milling application	Circular milling
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/215609-20/5>