

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

Order number	215565 16/2
GTIN	4045197708045
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**.

Application:

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

Spare part:

Pack of insert screws No. 219826 (8IP; 2.2 Nm).

Note:

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

GARANT torque screwdriver TQ No. **211750 size 2.2**, use bit No. **674252 size 8IP**.

Technical description

Overhang L_1	50 mm
Shank $\varnothing D_s$ h6	16 mm
Overall length L_{tot}	140 mm
Set of insert screws	219825 (8IP; 2.2 Nm)
suitable indexable insert	AP.. 1335..
Cutting edge $\varnothing D_c$	16 mm
Number of cutting edges Z	2

Data sheet

Ramping length L for $\alpha_{\max}$	10.5 mm
Circular interpolation milling $\varnothing D_{\max}$	30 mm
Circular interpolation milling $\varnothing D_{\min}$	29 mm
Circular interpolation milling a_p	1.2 mm
Ramping angle $\alpha_{\max}$	1.64 degrees
Series	Softcut®
$\varnothing D_3$	13 mm
Shank type	Plain shank
Setting angle κ	90 degrees
Milling application	End 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