

Garant**Softcut® shoulder mill with thread, for indexable inserts AO..****Order data**

Order number	215409 19,7/3
GTIN	4069515038706
Item class	210

Description**Version:**

High precision square shoulder mill with irregular pitch for very smooth cutting, very high precision and cutting power. **With special geometry for reduced cutting forces for MTC applications** under **unstable conditions** or for spindles with low drive power.

Application:

For shoulder milling in large depths, also slotting. General use in all steel materials as well as stainless and acid-resistant steels.

Note:

Use GARANT torque screwdriver TQ No. **211750 size 1.5** with bit No. **674252 size 8IP**.

Technical description

suitable indexable insert	AO.T1104
Circular interpolation milling $\varnothing D_{\min}$	28.5 mm
Circular interpolation milling $\varnothing D_{\max}$	36.6 mm
$\varnothing D_3$	8.8 mm
Overall length L_{tot}	30 mm
Series	Softcut®
Mounting thread M	M10
Number of cutting edges Z	3

Data sheet

Cutting edge $\varnothing D_c$	19 mm
Ramping angle $\alpha_{\max}$	6.6 degrees
$\varnothing D_2$	18 mm
Ramping length L for $\alpha_{\max}$	2.6 mm
Circular interpolation milling a_p	6 mm
$\varnothing D_1$ h6	10.5 mm
Set of insert screws	219799 11 (8IP; 1.5 Nm)
Shank type	with thread
Setting angle κ	90 degrees
Milling application	End milling
Milling application	Circular milling
Milling application	Ramping
Milling application	Plunging
Spacing of the cutters	unequal spacing
Through-coolant	yes
Machining strategy	MTC
Tool exchange	PowerCard
Type of product	Indexable end mill

Suitable products

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