

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

Order number	215575 50/6
GTIN	4045197409362
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**

Cutting edge Ø D <sub>c</sub>	50 mm
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suitable indexable insert	AP.. 1335..
Overall length $L_{tot}$	40 mm
Set of insert screws	219826 (8IP; 2.2 Nm)
Mounting bore $\varnothing$	22 mm
Number of cutting edges Z	6
Ramping angle $\alpha_{max}$	0.39 degrees
Circular interpolation milling $a_p$	1.8 mm
Ramping length L for $\alpha_{max}$	44.5 mm
Circular interpolation milling $\varnothing D_{min}$	97 mm
Circular interpolation milling $\varnothing D_{max}$	98 mm
Series	Softcut®
$\varnothing D_3$	47 mm
Shank type	with bore
Setting angle $\kappa$	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

### Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/215575-50/6>