


Softcut® shoulder mill with thread, for indexable inserts AP..

Order data

Order number	215615 40/10
GTIN	4045197409997
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 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

Mounting thread M	M16
suitable indexable insert	AP.. 0602..
Set of insert screws	219827 (6IP; 0.45 Nm)
Cutting edge Ø D _c	40 mm

Ø D ₂	28.7 mm
Overall length L _{tot}	35 mm
Ø D ₁ h6	17 mm
Number of cutting edges Z	10
Circular interpolation milling Ø D _{max}	78 mm
Circular interpolation milling a _p	0.8 mm
Circular interpolation milling Ø D _{min}	78 mm
Ramping angle α _{max}	0.31 degrees
Ramping length L for α _{max}	36.85 mm
Series	Softcut®
Ø D ₃	38 mm
Shank type	with threaded 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/215615-40/10>