

## Garant

**Softcut® 90° shoulder mill MTC, with threaded shank, Ø D / number of teeth Z:  
40/6 mm**



### Order data

Order number	215570 40/6
GTIN	4045197673022
Item class	210

### Description

#### Version:

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

#### Application:

For face 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**.

Overall length  $L_{tot}$ : 40 mm

Ø  $D_1$  h6: 17 mm

Ø  $D_2$ : 28.7 mm

Mounting thread M: M16

Circular interpolation milling Ø  $D_{min}$ : 67 mm

Circular interpolation milling Ø  $D_{max}$ : 79.1 mm

### Technical description

Overall length $L_{tot}$	40 mm
Mounting thread M	M16
$\varnothing D_1$ h6	17 mm
suitable indexable insert	AP.. 1335..
$\varnothing D_2$	28.7 mm
Pack of insert screws	219826 (8IP; 2.2 Nm)
Cutting edge $\varnothing D_c$	40 mm
Number of cutting edges Z	6
Circular interpolation milling $\varnothing D_{max}$	79.1 mm
Circular interpolation milling $a_p$	1.8 mm
Circular interpolation milling $\varnothing D_{min}$	67 mm
Ramping angle $\alpha_{max}$	1.2 degrees
Ramping length L for $\alpha_{max}$	429.7 mm
Shank type	with threaded shank
Setting angle $\kappa$	90 degrees
Milling application	Circular 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	Indexable insert cutter

## Accessories

Set of insert screws 10-piece	219826
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 8IP	674252 8IP

Torque screwdriver, fixed setting set torque 2,2 Nm

211750 2,2