

## Garant

**Softcut® 90° shoulder mill MTC, with threaded shank, Ø D / number of teeth Z:  
19,7/3mm**



### Order data

Order number	215570 19,7/3
GTIN	4045197409201
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  $L_{tot}$ : 30 mm

$\varnothing D_1$  h6: 10.5 mm

$\varnothing D_2$ : 17.7 mm

Mounting thread M: M10

Circular interpolation milling  $\varnothing D_{min}$ : 36.4 mm

Circular interpolation milling  $\varnothing D_{max}$ : 37.4 mm

### Technical description

Pack of insert screws	219826 (8IP; 2.2 Nm)
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Cutting edge $\varnothing D_c$	19.7 mm
Mounting thread M	M10
$\varnothing D_1$ h6	10.5 mm
$\varnothing D_2$	17.7 mm
Overall length $L_{tot}$	30 mm
suitable indexable insert	AP.. 1335..
Number of cutting edges Z	3
Circular interpolation milling $\varnothing D_{max}$	37.4 mm
Circular interpolation milling $a_p$	1.7 mm
Circular interpolation milling $\varnothing D_{min}$	36.4 mm
Ramping angle $\alpha_{max}$	1.21 °
Ramping length L for $\alpha_{max}$	14.2 mm
Series	Softcut®
$\varnothing D_3$	16.7 mm
Shank type	with threaded shank
Setting angle $\kappa$	90 °
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	End / face mill

## Accessories

Torque screwdriver, fixed setting set torque 2,2 N·m	211750 2,2
Set of insert screws 10-piece	219826

PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile  
8IP

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674252 8IP