

## Garant

### Softcut® 90° shoulder mill MTC, Plain shank, Ø D / number of teeth Z: 20/2Lmm



## Order data

Order number	215565 20/2L
GTIN	4045197409034
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**.

Cutting edge Ø D<sub>C</sub>: 20 mm

Number of cutting edges Z: 2

Overhang L<sub>1</sub>: 30 mm

Overall length L<sub>tot</sub>: 160 mm

Shank Ø D<sub>s</sub> h6: 18 mm

Circular interpolation milling Ø D<sub>min</sub>: 37 mm

## Technical description

suitable indexable insert	AP.. 1335..
Overhang L <sub>1</sub>	30 mm

Pack of insert screws	219826 (8IP; 2.2 Nm)
Shank $\varnothing D_s$ h6	18 mm
Overall length $L_{tot}$	160 mm
Cutting edge $\varnothing D_c$	20 mm
Number of cutting edges Z	2
Ramping length L for $\alpha_{max}$	14.5 mm
Circular interpolation milling $\varnothing D_{max}$	38 mm
Circular interpolation milling $\varnothing D_{min}$	37 mm
Circular interpolation milling $a_p$	1.7 mm
Ramping angle $\alpha_{max}$	1.19°
Series	Softcut®
$\varnothing D_3$	17 mm
Shank type	Plain shank
Setting angle $\kappa$	90°
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

## Accessories

PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 8IP	674252 8IP
Torque screwdriver, fixed setting set torque 2,2 N·m	211750 2,2
Set of insert screws 10-piece	219826

