

## Garant

### GARANT Softcut® 90° shoulder mill MTC, Plain shank, Ø D / number of teeth Z: 18/2mm



#### Order data

Order number	215565 18/2
GTIN	4045197708052
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**.

#### Technical description

Overhang $L_1$	30 mm
Shank $\varnothing D_s$ h6	16 mm
suitable indexable insert	AP.. 1335..
Overall length $L_{tot}$	140 mm
Cutting edge $\varnothing D_c$	18 mm
Pack of insert screws	219826 (8IP; 2.2 Nm)

Number of cutting edges Z	2
Ramping length L for $\alpha_{\max}$	12.5 mm
Circular interpolation milling $\varnothing D_{\max}$	34 mm
Circular interpolation milling $\varnothing D_{\min}$	33 mm
Circular interpolation milling $a_p$	1.7 mm
Ramping angle $\alpha_{\max}$	1.38 degrees
Series	Softcut®
$\varnothing D_3$	15 mm
Shank type	Plain shank
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

## Accessories

Torque screwdriver, fixed setting set torque 2,2 N·m	211750 2,2
PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 8IP	674252 8IP