

## Garant

**Softcut® 90° shoulder millmilling cutter MTC, Weldon shank, Ø D / number of teeth Z: 20/2 mm**



### Order data

Order number	215560 20/2
GTIN	4045197408921
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 end milling to large depths, also into solid. General use in all steels including stainless steels and acid-proof 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**.

Overhang  $L_1$ : 40 mm

Overall length  $L_{tot}$ : 90 mm

Shank  $\varnothing D_s$  h6: 20 mm

Circular interpolation milling  $\varnothing D_{min}$ : 27.1 mm

Circular interpolation milling  $\varnothing D_{max}$ : 39.1 mm

Circular interpolation milling  $a_p$ : 1.7 mm

### Technical description

Overhang $L_1$	40 mm
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suitable indexable insert	AP.. 1335..
Shank $\varnothing D_s$ h6	20 mm
Pack of insert screws	219826 (8IP; 2.2 Nm)
Cutting edge $\varnothing D_c$	20 mm
Overall length $L_{tot}$	90 mm
Number of cutting edges Z	2
Ramping length L for $\alpha_{max}$	117 mm
Circular interpolation milling $\varnothing D_{max}$	39.1 mm
Circular interpolation milling $\varnothing D_{min}$	27.1 mm
Circular interpolation milling $a_p$	1.7 mm
Ramping angle $\alpha_{max}$	4.4 degrees
Shank type	Weldon 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	Indexable insert cutter

## Accessories

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