

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

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**.

Cutting edge Ø D_c: 20 mm

Number of cutting edges Z: 2

Overhang L₁: 40 mm

Overall length L_{tot}: 90 mm

Shank Ø D_s h6: 20 mm

Circular interpolation milling Ø D_{min}: 37 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 α_{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 α_{max}	1.19°
Series	Softcut®
$\varnothing D_3$	17 mm
Shank type	Weldon shank
Setting angle κ	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

Torque screwdriver, fixed setting set torque 2,2 N·m	211750 2,2
Set of insert screws 10-piece	219826
	674252 8IP

PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile
8IP
