

**Garant**
**Softcut® 90° shoulder mill, Weldon shank, Ø D / Zeff: 20/3 mm**

**Order data**

Order number	215622 20/3
GTIN	4045197573933
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. Suitable inserts APMT 0602..**

**Application:**

For end milling including slotting. General use in all steels including stainless steels.

**Spare part:**

Pack of insert screws No. 219827 (6IP; 0.45 Nm).

**Note:**

GARANT torque screwdriver TQ No. **211750 size 0.45**, use bit No. **674252 size 6IP**.

The insert pocket must be modified when using indexable inserts with a radius of 2 mm.

**Not for ramping or circular plunging!**

Tool exchange: PowerCard

Number of effective inserts  $Z_{\text{eff}}$ : 3

Number of indexable inserts: 15

maximum cutting depth  $a_{p\text{max}}$ : 28 mm

Overhang  $L_1$ : 40 mm

Overall length  $L_{\text{tot}}$ : 90 mm

Shank  $\varnothing D_s$  h6: 20 mm

**Technical description**

Overhang $L_1$	40 mm
maximum cutting depth $a_{p\text{max}}$	28 mm

Overall length $L_{tot}$	90 mm
Cutting edge $\varnothing D_c$	20 mm
suitable indexable insert	AP.. 0602..
Pack of insert screws	219827 (6IP; 0.45 Nm)
Number of effective inserts $Z_{eff}$	3
Shank $\varnothing D_s$ h6	20 mm
Number of indexable inserts	15
Shank type	Weldon shank
Setting angle $\kappa$	90 degrees
Milling application	End milling
Spacing of the cutters	unequal spacing
Through-coolant	yes
Machining strategy	MTC
Tool exchange	PowerCard

## Accessories

Set of insert screws 10-piece	219827
Torque screwdriver, fixed setting set torque 0,45 Nm	211750 0,45
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 6IP	674252 6IP