

**Garant****GARANT Softcut® 90° shoulder mill, with bore, Ø D / Zeff: 50/4mm****Order data**

Order number	215579 50/4
GTIN	4045197455338
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 seat 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**.

**Not for ramping or circular plunging!**

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

**Technical description**

Mounting bore Ø	22 mm
Overall length L <sub>tot</sub>	55 mm

suitable indexable insert	AP.. 1335..
Pack of insert screws	219826 (8IP; 2.2 Nm)
maximum cutting depth $a_{p\max}$	39.5 mm
Cutting edge $\varnothing D_c$	50 mm
Number of effective inserts $Z_{\text{eff}}$	4
Series	Softcut®
Number of indexable inserts	16
Shank type	with bore
Setting angle $\kappa$	90 degrees
Milling application	End milling
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
Set of insert screws 10-piece	219826