

Garant
Softcut® 90° shoulder mill MTC, Plain shank, Ø D / number of teeth Z: 16/2 mm


Order data

Order number	215565 16/2
GTIN	4045197708045
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**.

Overhang L_1 : 50 mm

Overall length L_{tot} : 140 mm

Shank Ø D_s h6: 16 mm

Circular interpolation milling Ø D_{min} : 19.4 mm

Circular interpolation milling Ø D_{max} : 31.1 mm

Circular interpolation milling a_p : 1.2 mm

Technical description

Overhang L_1	50 mm
Shank Ø D_s h6	16 mm
Overall length L_{tot}	140 mm

Pack of insert screws	219825 (8IP; 2.2 Nm)
suitable indexable insert	AP.. 1335..
Cutting edge $\varnothing D_c$	16 mm
Number of cutting edges Z	2
Ramping length L for α_{\max}	81.5 mm
Circular interpolation milling $\varnothing D_{\max}$	31.1 mm
Circular interpolation milling $\varnothing D_{\min}$	19.4 mm
Circular interpolation milling a_p	1.2 mm
Ramping angle α_{\max}	6.3 degrees
Shank type	Plain shank
Setting angle κ	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
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 8IP	674252 8IP