

Garant

Softcut® 90° shoulder mill MTC, Plain shank, Ø D / number of teeth Z: 20/3 mm



Order data

Order number	215565 20/3
GTIN	4045197601582
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**.

Cutting edge Ø D_c: 20 mm

Number of cutting edges Z: 3

Overhang L₁: 25 mm

Overall length L_{tot}: 160 mm

Shank Ø D_s h6: 16 mm

Circular interpolation milling Ø D_{min}: 28 mm

Technical description

Cutting edge Ø D _c	20 mm
Overall length L _{tot}	160 mm
suitable indexable insert	AP.. 1335..

Overhang L_1	25 mm
Shank $\varnothing D_s$ h6	16 mm
Pack of insert screws	219826 (8IP; 2.2 Nm)
Number of cutting edges Z	3
Ramping length L for α_{\max}	14.5 mm
Circular interpolation milling $\varnothing D_{\max}$	1.97 mm
Circular interpolation milling $\varnothing D_{\min}$	28 mm
Circular interpolation milling a_p	1.7 mm
Ramping angle α_{\max}	1.19°
$\varnothing D_3$	17 mm
Shank type	Plain 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
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 8IP	674252 8IP