Garant

GARANT Softcut 90° shoulder mill MTC long, Plain shank, ⌀ D / number of teeth Z: 20/4mm

Order data

Order number	215609 20/4
GTIN	4045197409874
Item class	21O

Description

Version:
High precision indexable shoulder mill with irregular pitch for very smooth cutting, very high precision and very high metal removal rate. **New generation** of high performance indexable shoulder 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 shoulder milling to large depths, also slotting. General use in all steels including stainless and acid-resistant 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.

Technical description

Pack of insert screws	219827 (6IP; 0.45 Nm)
Overhang L_1	22 mm
Cutting edge ⌀ D_C	20 mm
Shank ⌀ D_s h6	20 mm
Overall length L_{tot}	105 mm
suitable indexable insert	AP.. 0602..

Number of cutting edges Z	4
Ramping length L for α_{max}	16.85 mm
Circular interpolation milling ∅ D_{max}	38 mm
Circular interpolation milling ∅ D_{min}	38 mm
Circular interpolation milling a_p	0.9 mm
Ramping angle α_{max}	0.68 degrees
Series	Softcut®
∅ D_3	18 mm
Shank type	Plain shank
Setting angle κ	90 degrees
Milling application	End milling
Milling application	Ramping
Milling application	Circular 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 0,45 N·m	211750 0,45
Set of insert screws10-piece	219827
PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 6IP	674252 6IP