

Garant
Machine tap for synchronised spindles HSS-E-PM Form C, TiAlN, M: M20

Order data

Order number	136171 M20
GTIN	4045197867568
Item class	11H

Description
Version:
Sturdy design with right-hand chip flutes and shank to DIN 1835-B.

Special geometry for **universal applications** on machines with **synchronised spindle drive**. The tap is guided by the synchronised spindle on the machine. Special **TiAlN-S coating** for optimum tool life.

For use with **emulsion** (fat content minimum 8%).

Note:

For use on synchronised spindles, the **GARANT** quick-change tapping chuck **No. 338100 – 338121 with minimum length adjustment (MLA)** ensures very high process reliability.

Thread type: M

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2X 6HX

Thread pitch: 2.5 mm

Overall length L: 140 mm

Shank $\varnothing D_s$: 16 mm

Shank square \square : 12 mm

Tapping hole \varnothing : 17.5 mm

Technical description

Tolerance class	ISO 2X 6HX
Thread pitch	2.5 mm
Tool material	HSS E PM
Shank square \square	12 mm
Number of clamping slots	4

Thread Ø	20 mm
Number of cutting edges Z	4
Shank Ø D _s	16 mm
Tapping hole Ø	17.5 mm
Standard	Manufacturer's standard
Overall length L	140 mm
Thread depth	60 mm
Thread type	M
Thread size	M20
Coating	TiAlN
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	C
Helix angle	40 degrees
Shank	DIN 1835 B to h6
Through-coolant	no
Application for type of drilling	up to 3×D for blind holes
Cutting direction	right-hand
Shank tolerance	h6
Type of threading tool	Machine tap for synchronous machining
Colour ring	green
Type of product	Tap