

Garant
Machine tap for synchronised spindles HSS-E-PM IC / Form C, TiAlN, M: 20X1,5

Order data

Order number	137186 20X1,5
GTIN	4045197705518
Item class	11H

Description
Version:

Sturdy version with right-hand helix and shank to DIN 1835-B. Special geometry for **general-purpose use** on machines with **synchronised spindle drive**. The tap is controlled by the synchronising spindle of the machine. Special **TiAlN-S coating** for optimum tool life. For use with **emulsion** (fat content minimum 8%).

With **internal coolant supply** for maximum tool life.

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: MF

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2X 6HX

Thread pitch: 1.5 mm

Overall length L: 125 mm

Shank $\varnothing D_s$: 16 mm

Shank square \square : 12 mm

Tapping hole \varnothing : 18.5 mm

Technical description

Thread \varnothing	20 mm
Thread pitch	1.5 mm
Tapping hole \varnothing	18.5 mm
Number of clamping slots	4
Number of cutting edges Z	4

Shank $\varnothing D_s$	16 mm
Overall length L	125 mm
Shank square \square	12 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E PM
Standard	Manufacturer's standard
Thread depth	60 mm
Thread type	MF
Thread size	M20x1.5
Coating	TiAlN
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	C
Helix angle	40 degrees
Shank	DIN 1835 B with h6
Through-coolant	yes
Application for type of drilling	up to 3xD 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