

**Garant**
**Machine tap for synchronised spindles HSS-E-PM Form B 6HX, TiAlN, M: M20**

**Order data**

Order number	132741 M20
GTIN	4045197867469
Item class	11H

**Description**
**Version:**

**Sturdy version** with lead-in taper 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 coating for optimum tool life.

Can be used 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**

Thread pitch	2.5 mm
Standard	Manufacturer's standard
Number of cutting edges Z	4
Tolerance class	ISO 2X 6HX
Number of clamping slots	4

Overall length L	140 mm
Shank square □	12 mm
Shank Ø D <sub>s</sub>	16 mm
Tool material	HSS E PM
Tapping hole Ø	17.5 mm
Thread Ø	20 mm
Thread depth	60 mm
Thread type	M
Thread size	M20
Coating	TiAlN
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	B
Shank	DIN 1835 B to h6
Through-coolant	no
Application for type of drilling	up to 3×D for through holes
Cutting direction	right-hand
Shank tolerance	h6
Type of threading tool	Maskinsnittapper til synkron bearbejdning
Colour ring	green
Type of product	Tap