

**Garant**
**Fluteless machine tap with oil grooves HSS-E-PM IC / Form C 6HX, TiN, M: M20**

**Order data**

Order number	139187 M20
GTIN	4045197585752
Item class	11H

**Description**
**Version:**

**DIN 2174** ( $\approx$  DIN 371  $\leq$  M10;  $\approx$  DIN 376  $\geq$  M12). **With oil grooves; optimum lubrication effect even in deeper threads.**

**With internal coolant supply laterally from the grooves; permits maximum tool life when threading through holes and blind holes.**

**Tolerance class:** ISO 2X/6HX.

The **innovative polygon form** permits a wide application spectrum. The **multi-function layer structure** achieves **maximum service life** even in **high-tensile materials**.

Tolerance class: ISO 2X 6HX

Thread pitch: 2.5 mm

Overall length L: 140 mm

Shank  $\varnothing$  D<sub>s</sub>: 16 mm

Shank square □: 12 mm

Tapping hole  $\varnothing$  with guide value: 18.85 mm

**Technical description**

Number of clamping slots	8
Thread $\varnothing$	20 mm
Number of cutting edges Z	8
Thread pitch	2.5 mm
Shank $\varnothing$ D <sub>s</sub>	16 mm
Shank square □	12 mm
Overall length L	140 mm

Tapping hole Ø with guide value	18.85 mm
Tolerance class	ISO 2X 6HX
Thread depth	60 mm
Thread size	M20
Coating	TiN
Thread type	M
Flank angle	60 degrees
Tool material	HSS E PM
Standard	DIN 2174
Thread standard	DIN 13
Taper lead form	C
Shank	Plain shank with h9
Through-coolant	yes
Application for type of drilling	up to 3×D for blind holes and through holes
Cutting direction	right-hand
Colour ring	green
Type of product	Fluteless tap