

Garant
GARANT Master Form Steel fluteless machine tap with oil grooves HSS-E-PM, TiAlN, MF: 20X1,5

Order data

Order number	139280 20X1,5
GTIN	4062406383923
Item class	11I

Description
Version:
GARANT Master Form Steel:

The latest generation of **high-performance fluteless taps** are specially developed for **use in steels**.

- **Optimised polygon geometry for a reduced torque.**
- **Multi-layer HIPIMS coating for high wear resistance.**
- **HSS-E-PM substrate for top process reliability.**

DIN 2174 ($\approx$ **DIN 371** $\leq$ M10; **DIN 376** $\geq$ M12).

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 $\varnothing$ guide value: 19.35 mm

Technical description

Series	GARANT Master Steel
Number of clamping slots	8
Thread depth	60 mm
Shank $\varnothing D_s$	16 mm
Shank square $\square$	12 mm

Tapping hole Ø guide value	19.35 mm
Tolerance class	ISO 2X 6HX
Thread pitch	1.5 mm
Thread size	M20×1.5
Overall length L	125 mm
Number of cutting edges Z	8
Thread Ø	20 mm
Coating	TiAlN
Thread type	MF
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	no
Application for type of drilling	up to 3×D for blind holes and through holes
Cutting direction	right-hand
Colour ring	without
Type of product	Fluteless tap