

Garant
Machine tap HSS-E-PM, TiN, M: M5

Order data

Order number	131935 M5
GTIN	4045197532329
Item class	11H

Description
Version:
With spiral point.

 For use also in **HARDOX materials (HARDOX ≤ 500)**.

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

Recommendation:

 For **TOOLOX** and **HARDOX materials** we recommend **deviating from the DIN data** (see table) by drilling the tapping hole \varnothing **0.05 to 0.3 mm** larger.

Thread type: M

Tool material: HSS E PM

Standard: DIN 371

Tolerance class: ISO 2X 6HX

Thread pitch: 0.8 mm

Overall length L: 70 mm

 Shank \varnothing D_s: 6 mm

Shank square □: 4.9 mm

 Tapping hole \varnothing : 4.2 mm

Technical description

Number of clamping slots	3
Number of cutting edges Z	3
Thread \varnothing	5 mm
Tapping hole \varnothing	4.2 mm
Thread pitch	0.8 mm
Standard	DIN 371

Shank $\varnothing D_s$	6 mm
Overall length L	70 mm
Shank square \square	4.9 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E PM
Thread depth	15 mm
Thread type	M
Thread size	M5
Coating	TiN
Flank angle	60°
Thread standard	DIN 13
Taper lead form	B
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D for through holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	red
Type of product	Tap

User data

	Suitability	V_c	ISO code
Steel < 1100 N/mm ²	suitable	9 m/min	P
Steel < 1400 N/mm ²	suitable	7 m/min	P
TOOLOX 33	suitable	7 m/min	H
TOOLOX 44	suitable	5 m/min	H
HARDOX 500 < 1600 N/mm ²	suitable	3 m/min	H
INOX < 900 N/mm ²	suitable	9 m/min	M

INOX > 900 N/mm ²	suitable	7 m/min	M
CuZn	suitable only under restricted conditions	8 m/min	N
Oil	suitable		
wet maximum	suitable		