

**Garant**
**Machine tap HSS-E-PM, nitrided, M: M5**

**Order data**

Order number	135750 M5
GTIN	4045197077431
Item class	11H

**Description**
**Version:**
**Sturdy design, with 15° right-hand chip flutes.**

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  $\square$ : 4.9 mm

 Tapping hole  $\varnothing$ : 4.2 mm

**Technical description**

Number of cutting edges Z	3
Tapping hole $\varnothing$	4.2 mm
Thread $\varnothing$	5 mm
Number of clamping slots	3
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	10 mm
Thread type	M
Thread size	M5
Coating	nitrided
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Helix angle	15°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	pink
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	18 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	9 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	3 m/min	P
Ti > 850 N/mm <sup>2</sup>	suitable	4 m/min	S
Oil	suitable		
wet maximum	suitable		