

**Garant**
**Through hole machine tap with interrupted thread HSS-E-PM, uncoated, M: M5**

**Order data**

Order number	132400 M5
GTIN	4045197071422
Item class	11H

**Description**
**Version:**

**Sturdy design with 15° left-hand spiral.** With interrupted thread, this **reduces torque** and **improves distribution of the lubricant.**

Particularly suitable for **titanium alloys** and **pure titanium.**

**Advantage:**

**Ideally suited for use on resilient materials and thin-walled components.** Low frictional resistance, thus no material deformation is caused.

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<sub>s</sub>: 6 mm

Shank square □: 4.9 mm

Tapping hole  $\varnothing$ : 4.2 mm

**Technical description**

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

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	uncoated
Flank angle	60°
Thread standard	DIN 13
Taper lead form	D
Helix angle	15°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2×D for through holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	pink
Type of product	Tap

## User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	15 m/min	N
Alu > 10% Si	suitable only under restricted conditions	15 m/min	N
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		