

Garant**Machine tap HSS-E-PM, Hard chrome, M: M4****Order data**

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|--------------|---------------|
| Order number | 131120 M4 |
| GTIN | 4045197068576 |
| Item class | 11H |

Description**Version:****Strong spiral point.****Callout:**

Oil groove

Guide thread

Lead-in

Spiral point

Application:**Hard chrome-plated surface** for reduced edge build-up and increased tool life.

Thread type: M

Tool material: HSS E PM

Standard: DIN 371

Tolerance class: ISO 2 6H

Thread pitch: 0.7 mm

Overall length L: 63 mm

Shank \varnothing D_s: 4.5 mm

Shank square □: 3.4 mm

Tapping hole \varnothing : 3.3 mm**Technical description**

| | |
|----------------------------|--------|
| Tapping hole \varnothing | 3.3 mm |
| Thread pitch | 0.7 mm |
| Thread \varnothing | 4 mm |
| Number of cutting edges Z | 3 |

| | |
|----------------------------------|-----------------------------------|
| Number of clamping slots | 3 |
| Standard | DIN 371 |
| Shank $\varnothing D_s$ | 4.5 mm |
| Overall length L | 63 mm |
| Shank square \square | 3.4 mm |
| Tolerance class | ISO 2 6H |
| Tool material | HSS E PM |
| Thread depth | 12 mm |
| Thread type | M |
| Thread size | M4 |
| Coating | Hard chrome |
| 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 | yellow |
| Type of product | Tap |

User data

| | Suitability | V_c | ISO code |
|----------------------------|---|----------|----------|
| Alu plastics | suitable | 28 m/min | N |
| Aluminium (short chipping) | suitable | 28 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 23 m/min | N |

| | | | |
|-------------------------------|---|----------|---|
| Steel < 500 N/mm ² | suitable only under restricted conditions | 27 m/min | P |
| CuZn | suitable only under restricted conditions | 28 m/min | N |
| Oil | suitable | | |
| wet maximum | suitable | | |