

Garant
Machine tap Form D, vaporised, M: M5

Order data

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|--------------|---------------|
| Order number | 132155 M5 |
| GTIN | 4045197446046 |
| Item class | 11H |

Description
Version:

Particularly sturdy design.

Taper lead form D with 15° left-hand spiral.

Callout:

Oil groove

Guide thread

Lead-in

Spiral point

Advantage:

Special geometry enables **higher cutting speeds and long tool life in stainless steel.**

Thread type: M

Tool material: HSS E

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

| | |
|----------------------------|--------|
| Tapping hole \varnothing | 4.2 mm |
| Thread \varnothing | 5 mm |
| Thread pitch | 0.8 mm |
| Number of cutting edges Z | 3 |

| | |
|----------------------------------|-----------------------------------|
| Number of clamping slots | 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 |
| Thread depth | 15 mm |
| Thread type | M |
| Thread size | M5 |
| Coating | vaporised |
| 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 3×D for through holes |
| Cutting direction | right-hand |
| Type of threading tool | Machine tap for dynamic machining |
| Colour ring | blue |
| Type of product | Tap |

User data

| | Suitability | V_c | ISO code |
|-------------------------------|---|----------|----------|
| Aluminium (short chipping) | suitable only under restricted conditions | 13 m/min | N |
| Steel < 500 N/mm ² | suitable | 15 m/min | P |
| Steel < 750 N/mm ² | suitable | 15 m/min | P |

| | | | |
|-------------------------------|---|----------|---|
| Steel < 900 N/mm ² | suitable only under restricted conditions | 15 m/min | P |
| INOX < 900 N/mm ² | suitable | 13 m/min | M |
| CuZn | suitable only under restricted conditions | 13 m/min | N |
| Oil | suitable | | |
| wet maximum | suitable only under restricted conditions | | |