

**Garant**
**Machine tap HSS-E Form E, vaporised, M: M3**

**Order data**

Order number	136050 M3
GTIN	4045197078049
Item class	11H

**Description**
**Version:**
**Form E** (1.5–2 turns lead chamfer).

Thread type: M

Tool material: HSS E

Standard: DIN 371

Tolerance class: ISO 2 6H

Thread pitch: 0.5 mm

Overall length L: 56 mm

 Shank  $\varnothing D_s$ : 3.5 mm

 Shank square  $\square$ : 2.7 mm

 Tapping hole  $\varnothing$ : 2.5 mm

**Technical description**

Number of clamping slots	3
Number of cutting edges Z	3
Thread pitch	0.5 mm
Thread $\varnothing$	3 mm
Tapping hole $\varnothing$	2.5 mm
Standard	DIN 371
Shank $\varnothing D_s$	3.5 mm
Overall length L	56 mm
Shank square $\square$	2.7 mm

Tolerance class	ISO 2 6H
Tool material	HSS E
Thread depth	9 mm
Thread type	M
Thread size	M3
Coating	vaporised
Flank angle	60°
Thread standard	DIN 13
Taper lead form	E
Helix angle	40°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	green
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	13 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable only under restricted conditions	6 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	6 m/min	M
CuZn	suitable only under restricted conditions	13 m/min	N

Uni	suitable
Oil	suitable
wet maximum	suitable only under restricted conditions