

Garant
Machine tap, vaporised, M: M4

Order data

Order number	135150 M4
GTIN	4045197076113
Item class	11H

Description
Version:

With conically offset guide thread (3 – 4 full threads, then tapered towards the rear).

Particularly for recessed blind hole threads where the swarf generated remains in the tap flutes.

Advantage:

The tapered guide section allows the tap to be reversed with greatly reduced risk of chips jamming and causing damage to the tap.

Thread type: M

Tool material: HSS E

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

Thread \varnothing	4 mm
Thread pitch	0.7 mm
Number of cutting edges Z	3
Tapping hole \varnothing	3.3 mm
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
Thread depth	12 mm
Thread type	M
Thread size	M4
Coating	vaporised
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
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 conventional machining
Colour ring	without
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	15 m/min	P

GG(G)	suitable only under restricted conditions	9 m/min	K
CuZn	suitable only under restricted conditions	13 m/min	N
Oil	suitable		
wet maximum	suitable only under restricted conditions		