

Garant
Machine tap with interrupted thread, uncoated, M: M4

Order data

Order number	131900 M4
GTIN	4045197070555
Item class	11H

Description
Version:
Spiral point.

With interrupted thread, this **reduces torque** and **improves distribution of the lubricant**.

Advantage:

Particularly suitable for thin-walled components. Low frictional resistance, thus no material deformation is caused.

Recommendation:

For **TOOLOX materials** we recommend **deviating from the DIN data** (see table) by drilling the tapping hole \varnothing **0.05 to 0.3 mm** larger.

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 pitch	0.7 mm
Tapping hole \varnothing	3.3 mm
Number of clamping slots	3
Number of cutting edges Z	3

Thread Ø	4 mm
Standard	DIN 371
Shank Ø D _s	4.5 mm
Overall length L	63 mm
Shank square □	3.4 mm
Tolerance class	ISO 2 6H
Tool material	HSS E
Thread depth	8 mm
Thread type	M
Thread size	M4
Coating	uncoated
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 2×D for through holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	red
Type of product	Tap

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	13 m/min	N
Alu > 10% Si	suitable	13 m/min	N
Steel < 500 N/mm ²	suitable only under restricted conditions	15 m/min	P

Steel < 750 N/mm ²	suitable only under restricted conditions	15 m/min	P
Steel < 900 N/mm ²	suitable	15 m/min	P
Steel < 1100 N/mm ²	suitable	6 m/min	P
TOOLOX 33	suitable	3 m/min	H
CuZn	suitable	13 m/min	N
Oil	suitable		
wet maximum	suitable only under restricted conditions		