

Garant
Machine taps extra long HSS-E-PM, TiAlN, M: M4

Order data

Order number	134655 M4
GTIN	4045197705136
Item class	11H

Description
Version:
With extra long shank.

Special **TiAlN coating**, highly suitable for **aluminium alloys**.

All sizes: Shank to DIN 376 (= shank Ø relieved), outstandingly suitable for use up to great depths.

Advantage:

Designed **for tapping threads where access is difficult**.

Application:

Suitable for materials with tensile strength **up to maximum 450N/mm²**.

Thread type: M

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2 6H

Thread pitch: 0.7 mm

Overall length L: 112 mm

Shank Ø D_s: 2.8 mm

Shank square □: 2.1 mm

Tapping hole Ø: 3.3 mm

Technical description

Number of clamping slots	3
Thread Ø	4 mm
Tapping hole Ø	3.3 mm
Thread pitch	0.7 mm
Number of cutting edges Z	3

Standard	Manufacturer's standard
Shank $\varnothing D_s$	2.8 mm
Overall length L	112 mm
Shank square \square	2.1 mm
Tolerance class	ISO 2 6H
Tool material	HSS E PM
Thread depth	12 mm
Thread type	M
Thread size	M4
Coating	TiAlN
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 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	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		