Garant

Machine tap for synchronised spindles HSS-E-PM, DLC, M: M10

Order data

Order number	131125 M10
GTIN	4045197648501
Item class	11H

Description

Version:
Sturdy design with spiral point and shank to DIN 1835-B. Special geometry for use on machines with **synchronised spindle drives.** Guidance is provided by the synchronising spindle of the machine.
With the latest generation of special **DLC coating sp**^{2} for optimum tool life.
For use with **emulsion** (fat content minimum 8%).
Note:
For use on synchronised spindles, the **GARANT** quick-change tapping chuck **No. 338100 – 338121 with minimum length adjustment (MLA)** ensures very high process reliability.
Thread type: M
Tool material: HSS E PM
Standard: Manufacturer's standard
Tolerance class: ISO 2X 6HX
Thread pitch: 1.5 mm
Overall length L: 100 mm
Shank ∅ D_s: 10 mm
Shank square □: 8 mm
Tapping hole ∅: 8.5 mm

Technical description

Tapping hole ∅	8.5 mm
Number of cutting edges Z	3
Number of clamping slots	3
Thread ∅	10 mm

Thread pitch	1.5 mm
Standard	Manufacturer's standard
Shank ⌀ D_s	10 mm
Overall length L	100 mm
Shank square ☐	8 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E PM
Thread depth	25 mm
Thread type	M
Thread size	M10
Coating	DLC
Flank angle	60 °
Thread standard	DIN 13
Taper lead form	B
Shank	DIN 1835 B with h6
Through-coolant	no
Application for type of drilling	up to 2.5×D for through holes
Cutting direction	right-hand
Shank tolerance	h6
Type of threading tool	Machine tap for synchronous machining
Colour ring	yellow
Type of product	Tap

User data

	Suitability	V_c	ISO code
Aluminium	suitable	30 m/min	N
Aluminium (short chipping)	suitable	30 m/min	N
Alu > 10% Si	suitable	25 m/min	N

PMMA acrylic	suitable	25 m/min	N
AFRP aramid	suitable only under restricted conditions	5 m/min	N
PA 66 GF30	suitable only under restricted conditions	15 m/min	N
PTFE CF25	suitable	25 m/min	N
Cu	suitable	55 m/min	N
CuZn	suitable	35 m/min	N
GRP	suitable only under restricted conditions	6 m/min	N
CRP	suitable only under restricted conditions	4 m/min	N
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		