Garant

Machine tap for synchronised spindles HSS-E-PM, DLC, M: M16

Order data

Order number	131125 M16
GTIN	4045197648525
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.

Technical description

Thread pitch	2 mm
Number of clamping slots	4
Number of cutting edges Z	4
Thread ∅	16 mm
Tapping hole ∅	14 mm
Standard	Manufacturer's standard
Shank ∅ D_s	12 mm
Overall length L	110 mm
Shank square ☐	9 mm
Tolerance class	ISO 2X 6HX

Tool material	HSS E PM
Thread depth	40 mm
Thread type	M
Thread size	M16
Coating	DLC
Flank angle	60 degrees
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		