

**Garant**
**Machine tap 6G, vaporised, M: M16**

**Order data**

Order number	135600 M16
GTIN	4045197077141
Item class	11H

**Description**
**Version:**
**Tolerance class ISO 3 / 6G** = with oversize approx. 0.02 – 0.04 mm. **HSS-E**
**Application:**

For components which are **galvanised** after threading or shrink slightly when hardened.

Thread type: M

Tool material: HSS E

Standard: DIN 376

Tolerance class: ISO 3 6G

Thread pitch: 2 mm

Overall length L: 110 mm

Shank  $\varnothing D_s$ : 12 mmShank square  $\square$ : 9 mmTapping hole  $\varnothing$ : 14 mm
**Technical description**

Number of cutting edges Z	3
Thread $\varnothing$	16 mm
Tapping hole $\varnothing$	14 mm
Thread pitch	2 mm
Number of clamping slots	3
Standard	DIN 376
Shank $\varnothing D_s$	12 mm
Overall length L	110 mm

Shank square <input type="checkbox"/>	9 mm
Tolerance class	ISO 3 6G
Tool material	HSS E
Thread depth	32 mm
Thread type	M
Thread size	M16
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 2×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	blue
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	13 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	6 m/min	M

CuZn	suitable only under restricted conditions	13 m/min	N
Oil	suitable		
wet maximum	suitable only under restricted conditions		