

Garant
GARANT Master Tap INOX machine tap HSS-E-PM IC / Form C 6HX, TiAlN, M: M16

Order data

Order number	135734 M16
GTIN	4062406081539
Item class	11I

Description
Version:

High-performance tap, specially developed for **good process reliability in stainless and acid-resistant steels** and **duplex materials**.

The 45° helix angle of the flutes facilitates chip formation especially in ductile austenitic CrNi steels.

- **HSS-E-PM tool material for a high degree of wear resistance**
- **The latest generation of TiAlN multi-layer coating**
- **Parameterised flute geometry for optimum chip formation and torsional rigidity**

With internal coolant supply

Thread type: M

Tool material: HSS E PM

Standard: DIN 376

Tolerance class: ISO 2X 6HX

Thread pitch: 2 mm

Overall length L: 110 mm

Shank Ø D_s: 12 mm

Shank square □: 9 mm

Tapping hole Ø: 14 mm

Technical description

Number of cutting edges Z	4
Thread depth	40 mm
Thread type	M

Tool material	HSS E PM
Overall length L	110 mm
Thread Ø	16 mm
Shank square □	9 mm
Tapping hole Ø	14 mm
Standard	DIN 376
Tolerance class	ISO 2X 6HX
Thread pitch	2 mm
Shank Ø D _s	12 mm
Number of clamping slots	4
Thread size	M16
Coating	TiAlN
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Helix angle	45°
Shank	Plain shank with h9
Through-coolant	yes
Application for type of drilling	up to 2.5×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	blue
Series	Master Tap
Type of product	Tap

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	28 m/min	N

Steel < 750 N/mm ²	suitable only under restricted conditions	23 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	23 m/min	P
Steel < 1100 N/mm ²	suitable	12 m/min	P
INOX < 900 N/mm ²	suitable	11 m/min	M
INOX > 900 N/mm ²	suitable	9 m/min	M
Oil	suitable		
wet maximum	suitable		