

Garant
GARANT Master Tap machine tap extra-long HSS-E-PM, AlTiX, MF: 8X1

Order data

Order number	137162 8X1
GTIN	4062406207946
Item class	111

Description
Version:

GARANT Master Tap Universal taps, designed for use in a wide spectrum of materials with high process reliability.

- **HSS-E-PM tool material for maximum wear resistance.**
- **Reduced coefficient of friction due to the new high-performance coating.**
- **Special geometry for optimum swarf evacuation.**

With extra long shank.

Advantage:

Designed for tapping threads where access is difficult.

Thread type: MF

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2X 6HX

Thread pitch: 1 mm

Overall length L: 180 mm

Shank \varnothing D_s: 6 mm

Shank square □: 4.9 mm

Tapping hole \varnothing : 7 mm

Technical description

Thread pitch	1 mm
Tapping hole \varnothing	7 mm
Tool material	HSS E PM
Standard	Manufacturer's standard
Thread size	M8×1

Shank square □	4.9 mm
Number of cutting edges Z	3
Thread Ø	8 mm
Shank Ø D _s	6 mm
Overall length L	180 mm
Number of clamping slots	3
Thread type	MF
Thread depth	20 mm
Tolerance class	ISO 2X 6HX
Coating	AlTiX
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 2.5×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	green
Series	Master Tap
Type of product	Tap

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	24 m/min	N
Aluminium (short chipping)	suitable	28 m/min	N
Alu > 10% Si	suitable	16 m/min	N

Steel < 500 N/mm ²	suitable	24 m/min	P
Steel < 750 N/mm ²	suitable	24 m/min	P
Steel < 900 N/mm ²	suitable	20 m/min	P
Steel < 1100 N/mm ²	suitable	10 m/min	P
Steel < 1400 N/mm ²	suitable	6 m/min	P
INOX < 900 N/mm ²	suitable	8 m/min	M
INOX > 900 N/mm ²	suitable	6 m/min	M
GG(G)	suitable	16 m/min	K
CuZn	suitable	16 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		