

Fluteless machine tap with oil grooves HSS-E-PM, TiN, G: G1/4



Order data

Order number	139400 G1/4
GTIN	4045197509611
Item class	11H

Description

Version:

DIN 2189 (\approx DIN 5156). With oil grooves; optimum lubrication effect even in deeper threads. The innovative polygon form permits a wide application spectrum. The multi-function layer structure achieves maximum service life even in high-tensile materials.

Application:

For **Whitworth parallel pipe threads** DIN-ISO 228/1 (threads that do not form a seal within the connection).

Thread pitch: 1.337 mm
Threads per inch: 19
Thread Ø: 13.16 mm
Overall length L: 100 mm
Shank Ø D₅: 11 mm
Shank square □: 9 mm

Technical description

Thread pitch	1.337 mm
Threads per inch	19
Number of cutting edges Z	6
Thread Ø	13.16 mm
Number of clamping slots	6
ank Ø D _s 11 mm	
Shank square □	9 mm

Overall length L	100 mm	
Tapping hole Ø guide value	12.55 mm	
Thread depth	39.48 mm	
Thread size	G1/4	
Coating	TiN	
Thread type	G	
Flank angle	55 °	
Tool material	HSS E PM	
Standard	DIN 2189	
Tolerance class	ISO 228 X	
Taper lead form	С	
Shank	Plain shank with h9	
Through-coolant	no	
Application for type of drilling	up to 3×D for blind holes	
Application for type of drilling	up to 3×D for through holes	
Cutting direction	right-hand	
Colour ring	blue	
Type of product	Fluteless tap	

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	32 m/min	Р
Steel < 750 N/mm ²	suitable	27 m/min	Р
Steel < 900 N/mm ²	suitable	22 m/min	Р
Steel < 1100 N/mm ²	suitable	17 m/min	Р
INOX < 900 N/mm ²	suitable	12 m/min	M
INOX > 900 N/mm ²	suitable	7 m/min	M
CuZn	suitable only under restricted conditions	22 m/min	N

Data sheet



Oil	suitable	
wet maximum	suitable	