

Garant
Fluteless machine tap without oil grooves HSS-E-PM 6HX, TiN, M: M3

Order data

Order number	139115 M3
GTIN	4045197508522
Item class	11H

Description
Version:
DIN 2174 (\approx **DIN 371** \leq M10; \approx **DIN 376** \geq M12).

The **innovative polygon form** permits a wide application spectrum. The **multi-function layer structure** achieves **maximum service life** even in **high-tensile materials**.

Tolerance class: ISO 2X 6HX

Thread pitch: 0.5 mm

Overall length L: 56 mm

 Shank \varnothing D_s: 3.5 mm

 Shank square \square : 2.7 mm

 Tapping hole \varnothing guide value: 2.8 mm

Technical description

Thread pitch	0.5 mm
Number of clamping slots	3
Thread \varnothing	3 mm
Number of cutting edges Z	3
Shank \varnothing D _s	3.5 mm
Shank square \square	2.7 mm
Overall length L	56 mm
Tapping hole \varnothing guide value	2.8 mm
Tolerance class	ISO 2X 6HX
Thread depth	4.5 mm

Thread size	M3
Coating	TiN
Thread type	M
Flank angle	60 °
Tool material	HSS E PM
Standard	DIN 2174
Thread standard	DIN 13
Taper lead form	C
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 1.5×D for through holes
Application for type of drilling	up to 1.5×D for blind 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	P
Steel < 750 N/mm ²	suitable	27 m/min	P
Steel < 900 N/mm ²	suitable	22 m/min	P
Steel < 1100 N/mm ²	suitable	17 m/min	P
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
Oil	suitable		
wet maximum	suitable		

