

**Garant**
**Fluteless machine tap without oil grooves HSS-E-PM 6HX, TiN, M: M3,5**

**Order data**

Order number	139115 M3,5
GTIN	4045197508539
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: 0.6 mm

Overall length L: 56 mm

 Shank  $\varnothing$  D<sub>s</sub>: 4 mm

 Shank square  $\square$ : 3 mm

 Tapping hole  $\varnothing$  guide value: 3.25 mm

**Technical description**

Thread $\varnothing$	3.5 mm
Thread pitch	0.6 mm
Number of cutting edges Z	3
Number of clamping slots	3
Shank $\varnothing$ D <sub>s</sub>	4 mm
Shank square $\square$	3 mm
Overall length L	56 mm
Tapping hole $\varnothing$ guide value	3.25 mm
Tolerance class	ISO 2X 6HX
Thread depth	5.25 mm

Thread size	M3.5
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 <sub>c</sub>	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	32 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	27 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	22 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	17 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	12 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	7 m/min	M
CuZn	suitable only under restricted conditions	22 m/min	N
Oil	suitable		
wet maximum	suitable		

