



Fluteless machine tap without oil grooves HSS-E 6GX, TiAlN, M: M5



Order data

Order number	139142 M5
GTIN	4045197446657
Item class	12H

Description

Version:

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

Tolerance class: ISO 3X / 6GX = **Oversize 0.02 – 0.04 mm.**

Application:

For components which are **galvanised after threading** or which shrink slightly when hardened.

Tolerance class: ISO 3X 6GX

Thread pitch: 0.8 mm

Overall length L: 70 mm

Shank $\varnothing D_s$: 6 mm

Shank square \square : 4.9 mm

Tapping hole \varnothing guide value: 4.65 mm

Technical description

Thread pitch	0.8 mm
Number of clamping slots	4
Thread \varnothing	5 mm
Number of cutting edges Z	4
Shank $\varnothing D_s$	6 mm
Shank square \square	4.9 mm
Overall length L	70 mm
Tapping hole \varnothing guide value	4.65 mm
Tolerance class	ISO 3X 6GX

Thread depth	7.5 mm
Thread size	M5
Coating	TiAlN
Thread type	M
Flank angle	60°
Tool material	HSS E
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	green
Type of product	Fluteless tap

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	23 m/min	N
Steel < 500 N/mm ²	suitable	23 m/min	P
Steel < 750 N/mm ²	suitable	22 m/min	P
Steel < 900 N/mm ²	suitable	22 m/min	P
INOX < 900 N/mm ²	suitable only under restricted conditions	11 m/min	M
CuZn	suitable only under restricted conditions	12 m/min	N
Uni	suitable		
Oil	suitable		

wet maximum

suitable