

Garant
Fluteless machine tap with oil grooves HSS-E-PM, TiAlN, G: G1/2

Order data

Order number	139395 G1/2
GTIN	4045197705891
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**.

Special **TiAlN coating**, highly suitable **for aluminium alloys**.

Application:

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

Thread pitch: 1.814 mm

Threads per inch: 14

Thread \varnothing : 20.96 mm

Overall length L: 125 mm

Shank \varnothing D_s: 16 mm

Shank square □: 12 mm

Technical description

Thread \varnothing	20.96 mm
Threads per inch	14
Number of clamping slots	6
Number of cutting edges Z	6
Thread pitch	1.814 mm
Shank \varnothing D _s	16 mm

Shank square <input type="checkbox"/>	12 mm
Overall length L	125 mm
Tapping hole Ø guide value	20.05 mm
Thread depth	62.88 mm
Thread size	G1/2
Coating	TiAlN
Thread type	G
Flank angle	55 °
Tool material	HSS E PM
Standard	DIN 2189
Tolerance class	ISO 228 X
Taper lead form	C
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	yellow
Type of product	Fluteless tap

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	42 m/min	N
Aluminium (short chipping)	suitable	42 m/min	N
Alu > 10% Si	suitable	28 m/min	N
Steel < 500 N/mm ²	suitable	32 m/min	P
Oil	suitable		
wet maximum	suitable		

