

Garant
Machine tap for synchronised spindles HSS-E-PM Form E, TiAlN, G: G1/2 inch

Order data

Order number	137813 G1/2
GTIN	4045197705778
Item class	11H

Description
Version:

Sturdy version with right-hand helix and shank to DIN 1835-B. Special geometry for **general-purpose use** on machines with **synchronised spindle drive**. The tap is controlled by the synchronising spindle of the machine. Special **TiAlN-S coating** for optimum tool life. For use with **emulsion** (fat content minimum 8%).

Form E (lead chamfer: 1.5 - 2 turns) for the deepest possible thread depths.

Application:

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

Note:

For use on synchronised spindles, the **GARANT** quick-change tapping chuck **No. 338100 – 338121 with minimum length adjustment (MLA)** ensures very high process reliability.

Tool material: HSS E PM

Threads per inch: 14

Thread Ø: 20.96 mm

Overall length L: 125 mm

Shank Ø D_s: 16 mm

Shank square □: 12 mm

Tapping hole Ø: 19 mm

Technical description

Number of clamping slots	5
Threads per inch	14
Number of cutting edges Z	5
Thread Ø	20.96 mm

Tapping hole Ø	19 mm
Thread pitch	1.814 mm
Tool material	HSS E PM
Shank Ø D _s	16 mm
Overall length L	125 mm
Shank square □	12 mm
Thread depth	62.88 mm
Thread size	G1/2
Coating	TiAlN
Thread type	G
Flank angle	55 degrees
Standard	Manufacturer's standard
Taper lead form	E
Helix angle	40 degrees
Shank	DIN 1835 B to h6
Through-coolant	no
Application for type of drilling	up to 3×D for blind holes
Cutting direction	right-hand
Shank tolerance	h6
Type of threading tool	Machine tap for synchronous machining
Colour ring	green
Type of product	Tap