

Machine tap for synchronised spindles HSS-E-PM IC / Form C, TiAlN, G: G3/8 inch



Order data

Order number	137816 G3/8
GTIN	4045197705808
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 **TiAIN-S coating** for optimum tool life. For use with **emulsion** (fat content minimum 8%).

With **internal coolant supply** for maximum tool life.

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: 19 Thread Ø: 16.66 mm Overall length L: 100 mm Shank Ø D₅: 12 mm Shank square □: 9 mm Tapping hole Ø: 15.25 mm

Technical description

Thread Ø	16.66 mm
Thread pitch	1.337 mm
Number of clamping slots	4

Tapping hole Ø Number of cutting edges Z Tool material Shank Ø D₄ Overall length L Shank square □ Thread depth Thread size Gaj/8 Coating TiAlN Thread type G Flank angle Standard Taper lead form C Helix angle Shank DIN 1835 B with h6 Through-coolant Application for type of drilling Cutting direction Shank tolerance Type of product Tape Tiap Tiap Tian 15.25 mm 4 4 4 4 4 4 4 4 4 4 4 4	Threads per inch	19
Tool material Shank Ø D, Overall length L Shank square □ Thread depth Thread size Gaj/8 Coating TiAlN Thread type G Flank angle Standard Manufacturer's standard Taper lead form C Helix angle Shank DIN 1835 B with h6 Through-coolant Apel of drilling Cutting direction Shank tolerance Type of threading tool Colour ring TialN Tread type G Application for type of drilling Colour ring Machine tap for synchronous machining Golour ring Green	Tapping hole Ø	15.25 mm
Shank Ø D, 12 mm Overall length L 100 mm Shank square □ 9 mm Thread depth 49.98 mm Thread size G3/8 Coating TiAIN Thread type G Flank angle 55 degrees Standard Manufacturer's standard Taper lead form C Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant yes 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	Number of cutting edges Z	4
Overall length L 100 mm Shank square □ 9 mm Thread depth 49.98 mm Thread size G3/8 Coating TiAIN Thread type G Flank angle 55 degrees Standard Manufacturer's standard Taper lead form C Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant yes 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	Tool material	HSS E PM
Shank square □ 9 mm Thread depth 49.98 mm Thread size G3/8 Coating TiAIN Thread type G Flank angle 55 degrees Standard Manufacturer's standard Taper lead form C Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant yes 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	Shank Ø D _s	12 mm
Thread depth 49.98 mm Thread size G3/8 Coating TiAIN Thread type G Flank angle 55 degrees Standard Manufacturer's standard Taper lead form C Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant yes Application for type of drilling up to 3×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool green Colour ring green	Overall length L	100 mm
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Coating TiAlN Thread type G Flank angle 55 degrees Standard Manufacturer's standard Taper lead form C Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant yes Application for type of drilling up to 3×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Colour ring green	Thread depth	49.98 mm
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Through-coolant yes 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	Helix angle	40 degrees
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	Shank	DIN 1835 B with h6
Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green	Through-coolant	yes
Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green	Application for type of drilling	up to 3×D for blind holes
Type of threading tool Colour ring Machine tap for synchronous machining green	Cutting direction	right-hand
Synchronous machining Colour ring green	Shank tolerance	h6
-	Type of threading tool	·
Type of product Tap	Colour ring	green
	Type of product	Тар