

Machine tap, uncoated, NPT: 3/8-18



Order data

Order number	138090 3/8-18
GTIN	4045197585530
Item class	12H

Description

Version:

Sturdy version, with straight flutes.

Application:

Tapered pipe threads **(NPT)** to **ANSI B1.20.1**, for threads with sealants. See the table for the specified minimum size of the tapping hole.

Recommendation:

Tapping hole Ø A:

Pre-drill a plain hole without using a reamer.

Tapping hole Ø B:

Pre-drill a plain hole and then **ream it using a 1:16 taper reamer (see No. 162650).** The taper bore \varnothing can then be checked laterally by reference to the D_{max} check dimension (see table). **Variant B** for drilling the tapping hole offers the best process reliability for the tapping operation.

Threads per inch: 18
Overall length L: 100 mm
Shank Ø D₅: 12 mm
Shank square □: 9 mm
Tapping hole Ø A: 14.29 m

Tapping hole Ø A: 14.29 mm Tapping hole Ø A: 9/16 inch

Technical description

Tapping hole minimum depth	17.6 mm
Thread gauge \varnothing D _{max} + 0.05	14.8 mm
Thread Ø	17.055 mm

Thread pitch Thread pitch Number of clamping slots Tapping hole Ø B Tapping hole Ø B Number of cutting edges Z Shank Ø D, Overall length L Shank square □ Thread depth Tapping hole Ø A Thread size Coating Thread type Flank angle Tool material Standard Thread form C Taper ratio Taper lead form C Taper ratio Titl6 Shank Plain shank with h9 Through-coolant no Application for type of drilling Tor blind holes and through holes Cutting direction Tight-hand Type of threading tool Coour ring without Type of product Tape	Tapping hole Ø A	14.29 mm
Number of clamping slots 5 Tapping hole Ø B 14.1 mm Number of cutting edges Z 5 Shank Ø D₁ 12 mm Overall length L 100 mm Shank square □ 9 mm Thread depth 32.7 mm Tapping hole Ø A 9/16 inch Thread size 3/8-18 NPT Coating uncoated Thread type NPT Flank angle 60 degrees Tool material HSS E Standard Manufacturer's standard Thread standard ANSI B 1.20.1 Taper lead form C Taper ratio 1:16 Shank Plain shank with h9 Through-coolant no Application for type of drilling for blind holes and through holes Cutting direction right-hand Type of threading tool Machine tap for conventional machining Colour ring without	Threads per inch	18
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Colour ring conventional machining without	Cutting direction	right-hand
	Type of threading tool	
Type of product Tap	Colour ring	without
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