



Machine tap, uncoated, NPT: 1-11,5



Order data

Order number	138090 1-11,5
GTIN	4045197585561
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 Ø 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: 11.5

Overall length L: 160 mm

Shank Ø D_s : 25 mm

Shank square □: 20 mm

Tapping hole Ø A: 29 mm

Tapping hole Ø B: 28.6 mm

Technical description

Tapping hole Ø A	29 mm
Thread Ø	33.228 mm
Thread pitch	2.209 mm

Tapping hole minimum depth	27.4 mm
Number of cutting edges Z	5
Thread gauge $\varnothing D_{\max} + 0.05$	29.69 mm
Tapping hole $\varnothing B$	28.6 mm
Number of clamping slots	5
Threads per inch	11.5
Shank $\varnothing D_s$	25 mm
Overall length L	160 mm
Shank square \square	20 mm
Thread depth	64.18 mm
Thread size	1-11,5 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
Type of product	Tap

