



Cleveland

**Tap and Die Set: 45 Pieces, 1/4 inch-20 Min. Tap Thread Size, 1 inch -14 Max. Tap Thread Size**

Brand: Cleveland

SKU: C00613

Warranty:

Specifications

Number of Pieces	45
Number Of Taps	10
Number of Dies in Set	10
Tap Type	Hand Tap
Thread Standard	UNC, UNF, UNS
Thread Limit	H3, H4
Thread Sizes Included	1"-14 NS, 1"-8 NC, 1/2"-13 NC, 1/2"-20 NF, 1/4"-20 NC, 1/4"-28 NF, 3/4"-10 NC, 3/4"-16 NF, 3/8"-16 NC, 3/8"-24 NF, 5/16"-18 NC, 5/16"-24 NF, 5/8"-11 NC, 5/8"-18 NF, 7/16"-14 NC, 7/16"-20 NF, 7/8"-14 NF, 7/8"-9 NC, 9/16"-12 NC, 9/16"-18 NF
Threads per Inch	10, 11, 12, 13, 14, 18, 20, 24, 28, 8, 9
Tap Shank Standard	Table 302
Tap Finish	Bright (Uncoated)
Tap Shank Dia.	Table 302
Tap Overall Length	Table 302
Class of Fit	2B
Coolant Fed	Non-Coolant Through
Extended Neck	No
Extended Shank	No
Extension Tap	No
Helix Angle	0 Degrees

<b>Number of Flutes</b>	4
<b>Die Material</b>	High Speed Steel
<b>Die Finish</b>	Bright (Uncoated)
<b>Die Shape</b>	Round
<b>Die Type</b>	2-Piece
<b>Die Thread Sizes Included</b>	1"-14 NS, 1"-8 NC, 1/2"-13 NC, 1/2"-20 NF, 1/4"-20 NC, 1/4"-28 NF, 3/4"-10 NC, 3/4"-16 NF, 3/8"-16 NC, 3/8"-24 NF, 5/16"-18 NC, 5/16"-24 NF, 5/8"-11 NC, 5/8"-18 NF, 7/16"-14 NC, 7/16"-20 NF, 7/8"-14 NF, 7/8"-9 NC, 9/16"-12 NC, 9/16"-18 NF
<b>Die Series</b>	0550
<b>Case Type</b>	Metal
<b>Features</b>	Self Alignment
<b>Primary Material Application</b>	All Materials
<b>Primary Material Application ISO Code</b>	H, K, M, N, P, S
<b>Secondary Material Application</b>	Stainless Steel
<b>Secondary Material Application ISO Code</b>	M
<b>55% Thread Drill Size</b>	#3, 1/2 in, 10.20mm, 11.30mm, 11.80mm, 11/32 in, 13.25mm, 17.20mm, 17.90mm, 20.90mm, 29/32 in, 5.70mm, 51/64 in, 8.40mm, 9/32 in, I, W
<b>65% Thread Drill Size</b>	#5, 10.00mm, 11.00mm, 11.60mm, 12.50mm, 13/16 in, 16.90mm, 17.70mm, 17/64 in, 25/32 in, 33/64 in, 57/64 in, 7/32 in, J, P, R, V
<b>75% Thread Drill Size</b>	#7, 11.40mm, 12.20mm, 12.90mm, 16.50mm, 17.50mm, 19.50mm, 20.40mm, 22.25mm, 27/64 in, 5.45mm, 5/16 in, 8.50mm, 9.95mm, F, I, U
<b>Die Material Grade</b>	Carbon Steel
<b>Dimensions Standard</b>	Fractional Inch
<b>Finish - Machining</b>	Bright (Uncoated)
<b>Material - Machining</b>	High Speed Steel
<b>Max. Die Thread Size</b>	1"-14
<b>Max. Tap Thread Size</b>	1"-14
<b>Measurement System</b>	Fractional Inch
<b>Min. Bore Dia.</b>	1/4 in -20 NC
<b>Min. Tap Thread Size</b>	1/4"-20
<b>Powdered Metal Base Material</b>	No
<b>Spiral Direction</b>	Neutral
<b>Tap Material Grade</b>	M2
<b>Tap Sizes Included</b>	1 in -14 NS, 1 in -8 NC, 1/2 in -13 NC, 1/2 in -20 NF, 1/4 in -20 NC, 1/4 in -28 NF, 3/4 in -10 NC, 3/4 in -16 NF, 3/8 in -16 NC, 3/8 in -24 NF, 5/16 in -18 NC, 5/16 in -24 NF, 5/8 in -11 NC, 5/8 in -18 NF, 7/16 in -14 NC, 7/16 in -20 NF, 7/8 in -14 NF, 7/8 in -9 NC, 9/16 in -12 NC, 9/16 in -18 NF
<b>Standards</b>	ANSI
<b>Tap Chamfer</b>	Plug

<b>Tap Material</b>	High Speed Steel
<b>Tap Wrench Number</b>	#5, #7
<b>Thread Direction</b>	Right Hand
<b>Thread Type</b>	UNC, UNF, UNS
<b>Weight</b>	20.1 KG
<b>Weight</b>	20.1 KG