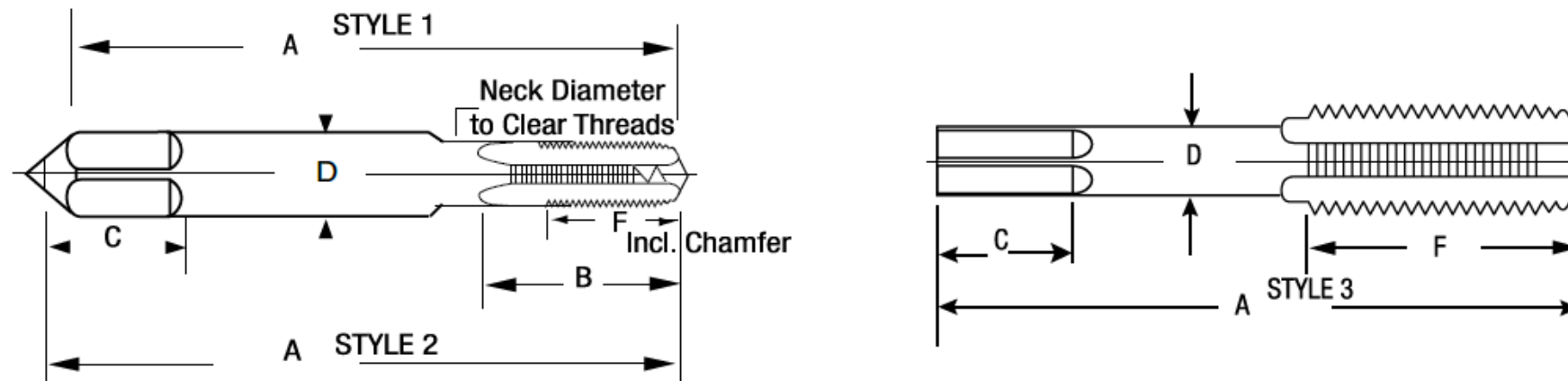


# SHORT THREAD LENGTH TAP DIMENSIONS *Table 302A*



Nominal Diameter Range - Inches		Machine Screw Size Number	Nominal Fractional Diameter (Inches)	Nominal Metric Diameter (Millimeters)	Style	Tap Dimensions					
Over	To (Incl.)					A Overall Length	B* Length	C Square Length	D Shank Diameter	E Square Size	F** Thread Length
.104	.117	4	—	—	1	1-7/8	9/16	3/16	.141	.110	5/16
.117	.130	5	1/8	M3, M3.15	1	1-15/16	5/8	3/16	.141	.110	5/16
.130	.145	6	—	M3.5	1	2	11/16	3/16	.141	.110	3/8
.145	.171	8	5/32	M4	1	2-1/8	3/4	1/4	.168	.131	3/8
.171	.197	10	3/16	M4.5, M5	1	2-3/8	7/8	1/4	.194	.152	1/2
.197	.223	12	7/32	—	1	2-3/8	15/16	9/32	.220	.165	1/2
.223	.260	14	1/4	M6, M6.3	2	2-1/2	1	5/16	.255	.191	5/8
.260	.323		5/16	M7, M8	2	2-23/32	1-1/8	3/8	.318	.238	11/16
.323	.395		3/8	M10	2	2-15/16	1-1/4	7/16	.381	.286	3/4
.395	.448		7/16	—	3	3-5/32	*	13/32	.323	.242	7/8
.448	.510		1/2	M12, M12.5	3	3-3/8	*	7/16	.367	.275	15/16
.510	.573		9/16	M14	3	3-19/32	*	1/2	.429	.322	1
.573	.635		5/8	M16	3	3-13/16	*	9/16	.480	.360	1-3/32
.635	.709		11/16	M18	3	4-1/32	*	5/8	.542	.406	1-3/32
.709	.760		3/4	—	3	4-1/4	*	11/16	.590	.442	1-7/32
.760	.823		13/16	M20	3	4-15/32	*	11/16	.652	.489	1-7/32
.823	.885		7/8	M22	3	4-11/16	*	3/4	.697	.523	1-11/32
.885	.948		15/16	M24	3	4-29/32	*	3/4	.760	.570	1-11/32
.948	1.010		1	M25	3	5-1/8	*	13/16	.800	.600	1-1/2

\* "B" based on Table 302, column B and shall be no less than minimum Table 302 thread length.

\*\* "F" based on the length of 12 pitches of the UNC series.

**Notes:** 1) "F" is minimum value and has no tolerance. 2) Unless otherwise specified, all tolerances are in accordance with Table 302.