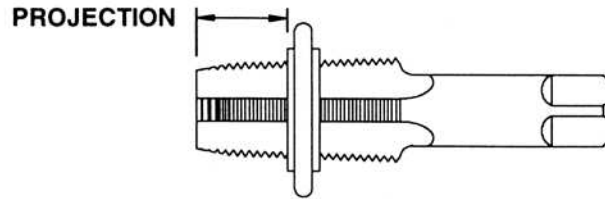


TAPER PIPE TAP / THREAD LIMITS

Ground Thread

(Ref. USCTI Table 338)

- American National Standard Taper Pipe Thread Form (NPT)
- Aeronautical National Taper Pipe Thread Form (ANPT)
- Dryseal American National Standard Taper Pipe Thread Form (NPTF)



Tap Thread Limits							
Nominal Size Inches	Threads Per Inch	Projection* Inches	Projection Tolerance + or -	Taper Per Foot Limits		Length L ₁	Tap Drill Size ** NPT, ANPT, NPTF
				MIN	MAX		
1/16	27	0.3120	0.0630	0.7190	0.7810	0.1600	C
1/8	27	0.3120	0.0630	0.7190	0.7810	0.1615	Q
1/4	18	0.4590	0.0630	0.7190	0.7810	0.2278	7/16
3/8	18	0.4540	0.0630	0.7190	0.7810	0.2400	9/16
1/2	14	0.5790	0.0630	0.7190	0.7810	0.3200	45/64
3/4	14	0.5650	0.0630	0.7190	0.7810	0.3390	29/32
1	11-1/2	0.6780	0.0940	0.7190	0.7810	0.4000	1-9/64
1-1/4	11-1/2	0.6860	0.0940	0.7190	0.7810	0.4200	1-31/64
1-1/2	11-1/2	0.6990	0.0940	0.7190	0.7810	0.4200	1-23/32
2	11-1/2	0.6670	0.0940	0.7190	0.7810	0.4360	2-3/16
2-1/2	8	0.9250	0.0940	0.7340	0.7810	0.6820	2-39/64
3	8	0.9250	0.0940	0.7340	0.7810	0.7660	3-15/64
3-1/2	8	0.9380	0.1250	0.7340	0.7810	0.8210	-
4	8	0.9500	0.1250	0.7340	0.7810	0.8440	-

NOTES

* Distance small end of tap projects through L₁ Taper Thread Ring Gage.

** Recommended size given permit direct tapping without reaming the hole, but only give a full thread for approx. the L₁ length.

LEAD TOLERANCE

A maximum lead deviation of plus or minus .0005" within any two threads not farther than 1" is permitted.

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