

SAE J514 Working Pressure Ratings

Capable of 4 to 1 Minimum Burst

Nom SAE Dash Size	Nom Tube O.D. M.M.	Nom Tube O.D. Inch	Straight Thread Size	Nom Pipe Size	Ridid SAE St.Thread Union & Bulkhead Mpa	Ridid SAE St.Thread Union & Bulkhead PSI	Adjustable SAE Std.Thread & Female Swivel Mpa	Adjustable SAE Std.Thread & Female Swivel PSI	Fittings with Pipe Thread Mpa	Fittings with Pipe Thread PSI	NPSM Std.Pipe Thread Maximum Operting Pressure Mpa	NPSM Std.Pipe Thread Maximum Operting Pressure PSI
2	3.18	0.125	5/16-24	1/8	34.5	5,000	34.5	5,000	34.5	5,000	34.5	5,000
3	4.76	0.188	3/8-24	1/8	34.5	5,000	34.5	5,000	34.5	5,000	-	-
4	6.35	0.250	7/16-20	1/8	34.5	5,000	31.0	4,500	34.5	5,000	34.5	5,000
5	7.94	0.313	1/2-20	1/8	34.5	5,000	27.5	4,000	34.5	5,000	-	-
6	9.52	0.375	9/16-18	1/4	34.5	5,000	27.5	4,000	27.5	4,000	27.6	4,000
8	12.70	0.500	3/4-16	3/8	31	4,500	27.5	4,000	21.0	3,000	24.1	3,500
10	15.88	0.625	7/8-14	1/2	24	3,500	21.0	3,000	21.0	3,000	-	-
12	19.05	0.750	11/16-12	3/4	24	3,500	21.0	3,000	17.0	2,500	15.5	2,250
14	22.22	0.875	13/16-12	3/4	21	3,000	17.0	2,500	17.0	2,500	-	-
16	25.40	1.000	15/16-12	1	21	3,000	17.0	2,500	14.0	2,000	13.8	2,000
20	31.75	1.250	15/8-12	11/4	17	2,500	14.0	2,000	8.0	1,150	11.2	1,625
24	38.10	1.500	17/8-12	11/2	14	2,000	10.5	1,500	7.0	1,000	8.6	1,250
32	50.80	2.000	21/2-12	2	10.5	1,500	8.0	1,125	7.0	1,000	7.8	1,125

Note: In the case of a fitting that is a jump size, it is recommended that the lower pressure of the two ends must be recognized as the working pressure rating for that fitting. This is also the case if the fitting has one or more different style ends. For example, straight threads to pipe threads. In the case it is also recommended that the lower pressure rating of the two different style ends must be recognized as the working pressure for that fitting.