

# PRESSURE RATING CHARTS



JIC - UNO - NPT SAE J514							Flange SAE J518		
SAE Dash Size	Nom Tube OD	Straight Thread Size	Nom Pipe Size	Rigid SAE Threads Unions and Bulkheads PSI (JICM)	Adjustable SAE Threads and Female Swivels PSI (JICF)	Fittings with Pipe Threads PSI (NPT)	SAE Dash Size	Code 61 Flange (J518) PSI	Code 62 Flange (J518) PSI
-2	0.125	5/16-24	1/8	5000	5000	5000	-2		
-3	0.188	3/8-24	1/8	5000	5000	5000	-3		
-4	0.25	7/16-20	1/8	5000	4500	5000	-4		
-5	0.313	1/2-20	1/8	5000	4000	5000	-5		
-6	0.375	9/16-18	1/4	5000	4000	4000	-6		
-8	0.5	3/4-16	3/8	4500	4000	3000	-8	5000	6000
-10	0.625	7/8-14	1/2	3500	3000	3000	-10		
-12	0.75	1-1/16-12	3/4	3500	3000	2500	-12	5000	6000
-14	0.875	1-3/16-12	3/4	3000	2500	2500	-14		
-16	1	1-5/16-12	1	3000	2500	2000	-16	5000	6000
-20	1.25	1-5/8-12	1-1/4	2500	2000	1150	-20	4000	6000
-24	1.5	1-7/8-12	1-1/2	2000	1500	1000	-24	3000	6000
-32	2	2-1/2-12	2	1500	1125	1000	-32	3000	6000

"ORFS ISO8434-3"				"METRIC L/S ISO8434"		"BSPP ISO8434-6"			
TUBE OD	"ORFS M&F NONADJUSTABLE" PSI	"ORFS M&F ADJUSTABLE (POSITIONAL FITTINGS)" PSI	DIN (L) Cone and Cutting Ring ISO8434 BAR	DIN (S) Cone and Cutting Ring ISO8434 BAR	Nom Tube OD	Thread size	"60 Degree Cone - With O-ring BSPP" BAR	"60 Degree Cone - Without O-ring BSPP" BAR	
6	1/4	9135	5800	250	630	6	1/8	-	350
8	5/16	9135	5800	250	630	8	1/4	400	350
10	3/8	9135	5800	250	630	10	3/8	400	350
12	1/2	9135	5800	250	400	12	1/2	350	315
16	5/8	9135	5800	250	400	16	5/8	350	315
20	3/4	5800	5800	160	400	20	3/4	315	250
22	7/8	5800	5075	160	400				
25	1	5800	5075	100	250	25	1	250	200
30	1 1/4	3625	3625	100	250	32	1-1/4	200	160
38	1 1/2	3625	3625	100	250	38	1-1/2	160	125
50	N/A	N/A	N/A	100	250	50	2	125	80

**Notes:**

- Working pressures given are for low carbon steel fittings only.
- Proof pressure is twice working pressure.
- Burst pressure is 4 x working pressure.
- Cyclic endurance is tested at 133% of working pressure for 1 million cycles IAW J343