

# SAE O-Ring Boss Fittings Guide

There are different ways to identify threads, everybody identifies them differently depending on how you've been taught.

For SAE O-ring boss adaptors, the sizing shown on our website uses the **'thread'** column to describe the fitting. An easy way to think of this is that the thread would be the same thread as a JIC fitting.

An example of how to identify the fitting and order a new adaptor on our website would be:

If you have a male SAE o-ring boss adaptor, measure the outside diameter across the threads, for example if the fitting measures 12.7mm or 1/2" then we would call this a 1/2" SAE o-ring boss. Its imperial measurement is the fitting size.

DASH SIZE	PIPE SIZE	THREAD	MALE THREAD O.D. MM	MALE THREAD O.D. INCHES	FEMALE THREAD I.D. MM	FEMALE THREAD I.D. INCHES
2	1/8	5/16 -24	7.9	.31	6.9	.27
3	3/16	3/8 -24	9.6	.38	8.6	.34
4	1/4	7/16 -20	11.2	.44	9.9	.39
5	5/16	1/2 -20	12.7	.50	11.4	.45
6	3/8	9/16 -18	14.2	.56	12.9	.51
8	1/2	3/4 -16	19.0	.75	17.0	.67
10	5/8	7/8 -14	22.3	.88	20.3	.80
12	3/4	1-1/16 -12	26.9	1.06	24.9	.98
14	7/8	1-3/16 -12	30.0	1.18	27.7	1.09
16	1	1-5/16 -12	33.33	1.31	31.0	1.22
20	1-1/4	1-5/8 -12	41.4	1.63	39.1	1.54
24	1-1/2	1-7/8 -12	47.7	1.88	45.5	1.79
32	2	2-1/2 -12	63.5	2.50	61.2	2.41

\*While care has been taken to make sure the information in this table is accurate, we recommend you use this as a guide only

# ADAPTOR PRESSURE RATINGS

**DESIGN WORKING PRESSURE** – Pressures as listed should be used as a guide only and not as a "standard" or "specification".

Nominal Bore Dia.		Design Working Pressure		Proof Pressure		Over Pressure	
mm	ins	BAR	psi	BAR	psi	BAR	psi
5	1/8	350	5145	525	7718	1400	20580
6.3	1/4	450	6500	675	9750	1520	22000
10	3/8	380	5500	570	8250	1310	19000
12.5	1/2	310	4500	465	6750	1100	16000
14.25	9/16	289	4250	434	6375	964	14170
16	5/8	280	4000	420	6000	850	12350
19	3/4	240	3500	360	5250	750	11000
25	1	210	3000	315	4500	675	9750
31.5	1-1/4	170	2500	255	3750	530	7700
37.5	1-1/2	136	2000	204	3000	404	5940
50	2	136	2000	204	3000	404	5940
62.5	2-1/2	84	1240	126	1860	245	3596
75	3	76	1120	114	1680	216	3170