

SAE THREADS

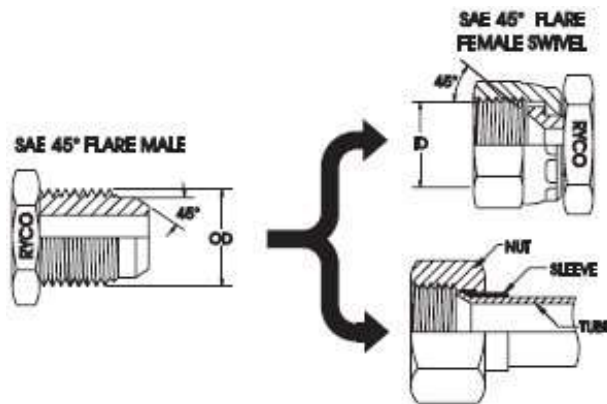
SAE – Society of Automotive Engineers

These fittings are commonly used in refrigeration, automotive and low-pressure applications.

SAE 45° FLARE – SAE J512

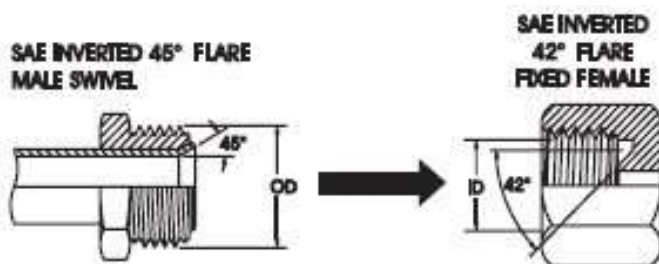
SAE male has 45° flare which seals against 45° seat in female. Male can also seal against 45° flared tubing with nut and sleeve.

7/16 – 20, 1/2 – 20, 3/4 – 16 & 7/8 – 14 are the same thread Form as JIC 37° flare. Some fittings in these sizes have both JIC 37° & SAE 45° seats.



MALE THREAD OD & PITCH	DASH SIZE	MALE THREAD OD		FEMALE THREAD ID		TUBE SIZE
inch – TPI		mm	inch	mm	inch	inch
5/16 – 24	-5	7,9	0.31	6,8	0.27	1/8
3/8 – 24	-6	9,5	0.38	8,4	0.33	3/16
7/16 – 20	-7	11,1	0.44	9,9	0.39	1/4
1/2 – 20	-8	12,7	0.5	11,4	0.44	5/16
5/8 – 18	-10	15,9	0.63	14,2	0.56	3/8
3/4 – 16	-12	19,1	0.75	17,5	0.69	1/2
7/8 – 14	-14	22,2	0.88	20,6	0.81	5/8
1.1/16 – 14	-17	27,0	1.06	24,9	0.98	3/4

SAE 45° INVERTED FLARE – SAE J512

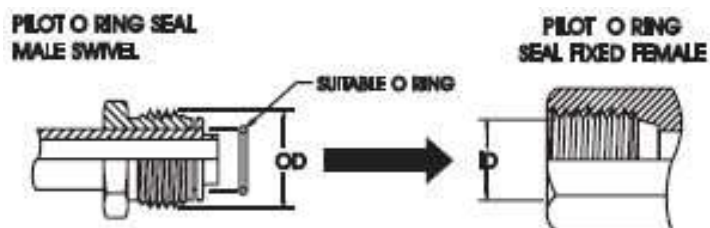


MALE THREAD OD & PITCH	DASH SIZE	MALE THREAD OD		FEMALE THREAD ID		TUBE SIZE
inch – TPI		mm	inch	mm	inch	inch
7/16 – 24	-7	11,1	0.44	9,9	0.39	1/4
1/2 – 20	-8	12,7	0.5	11,4	0.45	5/16
5/8 – 18	-10	15,9	0.63	14,2	0.56	3/8
11/16 – 18	-11	17,5	0.69	16,0	0.63	7/16

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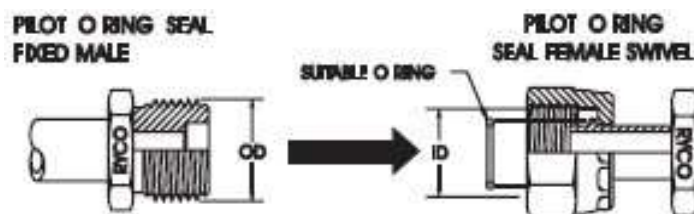
SAE PILOT O RING SEALS

Pilot Male Swivel



MALE THREAD OD & PITCH	DASH SIZE	MALE THREAD OD		FEMALE THREAD ID		TUBE SIZE
inch – TPI		mm	inch	mm	inch	inch
5/8 – 18	-10	15,9	0.63	14,2	0.56	-6
3/4 – 18	-12	19,0	0.75	17,8	0.7	-8
7/8 – 18	-14	22,2	0.88	20,6	0.81	-10

PILOT FEMALE SWIVEL



MALE THREAD OD & PITCH	DASH SIZE	MALE THREAD OD		FEMALE THREAD ID		TUBE SIZE
inch – TPI		mm	inch	mm	inch	inch
5/8 – 18	-10	15,9	0.63	14,2	0.56	-6
3/4 – 16	-12	19,0	0.75	17,5	0.69	-8
3/4 – 16	-12	19,0	0.75	17,5	0.69	-8