

**BSPT & BSPP Threads Dimensions**

BSPT & BSPP SIZE & PITCH	DASH SIZE	BSPT MALE THREAD OD		BSPP MALE THREAD OD		BSPT FEMALE THREAD ID		BSPP FEMALE THREAD ID	
		mm	inch	mm	inch	mm	inch	mm	inch
1/8 - 28	-02	9,5	0.37	9,6	0.38	8,4	0.33	8,6	0.34
1/4 - 19	-04	12,8	0.50	13,0	0.51	11,2	0.44	11,9	0.47
3/8 - 19	-06	16,3	0.64	16,5	0.65	14,7	0.59	15,2	0.60
1/2 - 14	-08	20,4	0.80	20,8	0.82	18,3	0.72	19,1	0.75
5/8 - 14	-10	22,5	0.89	22,8	0.90	20,6	0.81	20,8	0.82
3/4 - 14	-12	25,9	1.02	26,3	1.04	23,9	0.94	24,6	0.97
1 - 11	-16	32,6	1.28	33,1	1.30	29,7	1.17	30,7	1.21
1.1/4 - 11	-20	41,1	1.62	41,8	1.64	38,6	1.52	39,4	1.55
1.1/2 - 11	-24	47,0	1.85	47,7	1.88	44,5	1.75	45,5	1.79
2 - 11	-32	58,6	2.31	59,5	2.34	56,4	2.22	57,4	2.26
2.1/2 - 11	-40	74,1	2.92	75,1	2.95	71,9	2.83	72,6	2.86
3 - 11	-48	86,6	3.41	87,9	3.46	84,6	3.33	85,4	3.36

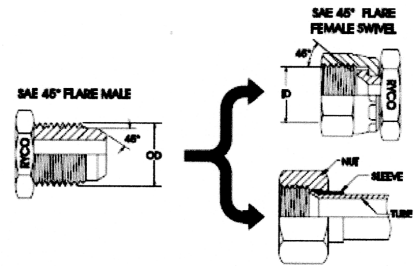
**JIC & UNO Thread Dimensions**

MALE THREAD OD & PITCH	DASH SIZE	MALE THREAD OD		FEMALE THREAD ID		TUBESIZE
		mm	inch	mm	inch	
inch - TPI						inch
5/16 - 24 UNF	-05	7,9	0.31	6,9	0.27	1/8
3/8 - 24 UNF	-06	9,5	0.38	8,5	0.33	3/16
7/16 - 20 UNF	-07	11,1	0.44	9,9	0.39	1/4
1/2 - 20 UNF	-08	12,7	0.50	11,4	0.45	5/16
9/16 - 18 UNF	-09	14,3	0.56	13,0	0.51	3/8
3/4 - 16 UNF	-12	19,1	0.75	17,5	0.69	1/2
7/8 - 14 UNF	-14	22,2	0.88	20,3	0.80	5/8
1.1/16 - 12 UN	-17	27,0	1.06	24,9	0.98	3/4
1.3/16 - 12 UN	-19	30,2	1.19	28,2	1.11	7/8
1.5/16 - 12 UN	-21	33,3	1.31	31,2	1.23	1
1.5/8 - 12 UN	-26	41,3	1.63	39,1	1.54	1.1/4
1.7/8 - 12 UN	-30	47,6	1.88	45,5	1.79	1.1/2
2.1/2 - 12 UN	-40	63,5	2.50	61,5	2.42	2

**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
		mm	inch	mm	inch	
inch - TPI						inch
5/16 - 24	-05	7,9	0.31	6,8	0.27	1/8
3/8 - 24	-06	9,5	0.38	8,4	0.33	3/16
7/16 - 20	-07	11,1	0.44	9,9	0.39	1/4
1/2 - 20	-08	12,7	0.50	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
		mm	inch	mm	inch	
inch - TPI						inch
7/16 - 24	-07	11,1	0.44	9,9	0.39	1/4
1/2 - 20	-08	12,7	0.50	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

