

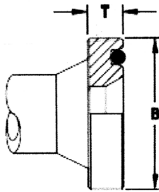
NPT Threads Dimensions

NPT THREAD SIZE & PITCH	DASH SIZE	MALE THREAD MINOR OD		FEMALE THREAD ID	
		mm	inch	mm	inch
1/8 - 27	-02	9,9	0.39	8,4	0.33
1/4 - 18	-04	13,2	0.52	11,2	0.44
3/8 - 18	-06	16,6	0.65	14,7	0.58
1/2 - 14	-08	20,6	0.81	17,8	0.70
3/4 - 14	-12	26,0	1.02	23,4	0.92
1 - 11.1/2	-16	32,5	1.28	29,5	1.16
1.1/4 - 11.1/2	-20	41,2	1.62	38,1	1.50
1.1/2 - 11.1/2	-24	47,3	1.86	43,9	1.73
2 - 11.1/2	-32	59,3	2.33	56,4	2.22
2.1/2 - 8	-40	71,5	2.82	69,1	2.72
3 - 8	-48	87,3	3.44	84,8	3.34

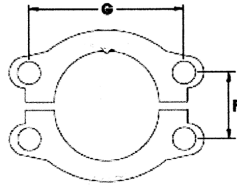
NPSM Threads Dimensions

NPSM THREAD SIZE	DASH SIZE	FEMALE THREAD ID	
		mm	inch
1/8 - 27	-02	8,6	0.34
1/4 - 18	-04	11,9	0.47
3/8 - 18	-06	15,0	0.59
1/2 - 14	-08	19,1	0.75
3/4 - 14	-12	24,6	0.97
1 - 11.1/2	-16	30,5	1.20
1.1/4 - 11.1/2	-20	39,4	1.55
1.1/2 - 11.1/2	-24	45,5	1.79
2 - 11.1/2	-32	57,4	2.26
2.1/2 - 8	-40	68,8	2.71
3 - 8	-48	84,6	3.33

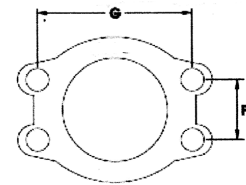
SAE O RING FLANGE



SPLIT FLANGE CLAMP



SOLID FLANGE CLAMP



The male connector has a flange head with an O Ring groove on the face. The female can be a flange block or port with smooth face to accept the O Ring, and four threaded bolt holes in a rectangular pattern. The connection is held together using either a split or solid flange clamp, fitted over the male flange head and

drawn up to the female port using the four bolts. This compresses the O Ring forming a seal between the male flange and the flat female port face. SAE J518, DIN 20066, ISO/DIS 6162 and JIS B 8363 are all interchangeable, except for bolt sizes.

NOM. FLANGE SIZE	DASH SIZE	BØ		T		F		G		PORT THREAD & BOLT LENGTH			
		mm	inch	mm	inch	mm	inch	mm	inch	PORT	BOLT LENGTH	PORT	BOLT
inch		mm	inch	mm	inch	mm	inch	mm	inch	UNC	inch	METRIC	mm
CODE 61													
1/2	-08	30,2	1.19	6,73	0.265	17,5	0.69	38,1	1.50	5/16 - 18	1.1/4	M8 x 1,25	35
*5/8	-10	34,0	1.34	6,73	0.265	19,8	0.78	42,9	1.69	5/16 - 18		M8 x 1,25	
3/4	-12	38,1	1.50	6,73	0.265	22,2	0.88	47,6	1.88	3/8 - 16	1.1/4	M10 x 1,5	35
1	-16	44,5	1.75	8,00	0.315	26,2	1.03	52,4	2.06	3/8 - 16	1.1/4	M10 x 1,5	35
1.1/4	-20	50,8	2.00	8,00	0.315	30,2	1.19	58,7	2.31	7/16 - 14	1.1/2	M10 x 1,5	40
1.1/2	-24	60,3	2.38	8,00	0.315	35,7	1.41	69,8	2.75	1/2 - 13	1.1/2	M12 x 1,75	45
1.1/2	-24	60,3	2.38	8,00	0.315	35,7	1.41	69,8	2.75	1/2 - 13	1.1/2	M12 x 1,75	45
2	-32	71,4	2.81	9,53	0.375	42,9	1.69	77,8	3.06	1/2 - 13	1.1/2	M12 x 1,75	45
2.1/2	-40	84,1	3.31	9,53	0.375	50,8	2.00	88,9	3.50	1/2 - 13	1.3/4	M12 x 1,75	45
3	-48	101,6	4.00	9,53	0.375	61,9	2.44	106,4	4.19	5/8 - 11	1.3/4	M16 x 2,0	45
CODE 62													
1/2	-08	31,7	1.25	7,75	0.305	18,2	0.72	40,5	1.59	5/16 - 18	1.1/4	M8 x 1,25	35
3/4	-12	41,3	1.63	8,76	0.345	23,8	0.94	50,8	2.00	3/8 - 16	1.1/2	M10 x 1,5	40
1	-16	47,6	1.88	9,53	0.375	27,8	1.09	57,2	2.25	7/16 - 14	1.3/4	M12 x 1,75	45
1.1/4	-20	54,0	2.12	10,29	0.405	31,8	1.25	66,7	2.63	1/2 - 13	1.3/4	M14 x 2,0	45
1.1/2	-24	63,5	2.50	12,57	0.495	36,5	1.44	79,4	3.13	5/8 - 11	2.1/4	M16 x 2,0	60
2	-32	79,4	3.13	12,57	0.495	44,5	1.75	96,8	3.81	3/4 - 10	2.3/4	M20 x 2,5	70