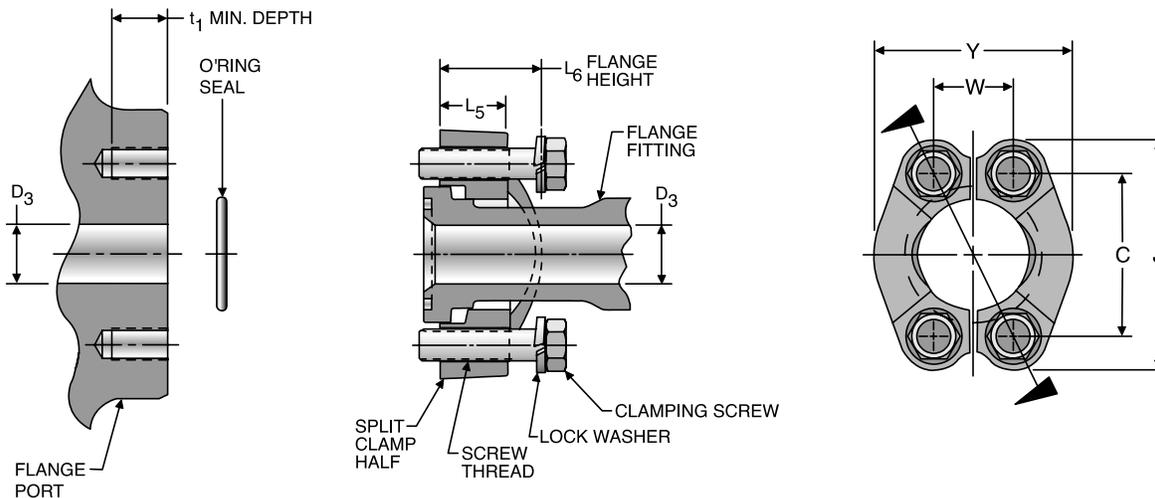




ISO 6162 — Four-Bolt Flange Connection (Includes SAE J518)



Nominal Flange Size D3		2.5 to 31.5 MPa Series ¹⁾ (SAE Code 61)											O-Rings ³⁾	
		Clamping Screws Screw Holes					Flange Half and Bolt Pattern							
		(in)	(mm)	Type I		Type II ²⁾ (SAE J518)		C ± 0.25	J		W ± 0.25	Y Ref.	L5	L6
Thread	t_1 Min. depth			Thread (UNC)	t_1 Min. depth	max.	min.							
1/2	13	M8 x 1.25	12.5	5/16 - 18	24	38.1	54.9	53.1	17.5	46	13	19	19 x 3.55	2-210
3/4	19	M10 x 1.5	16.5	3/8 - 16	22	47.6	65.8	64.3	22.3	52	14	22	25 x 3.55	2-214
1	25	M10 x 1.5	14.5	3/8 - 16	22	52.4	70.6	69.1	26.2	59	16	22	32.5 x 3.55	2-219
1 1/4	32	M10 x 1.5	16.5	7/16 - 14	28	58.7	80.3	78.5	30.2	73	14 ⁴⁾	24	37.5 x 3.55	2-222
1 1/2	38	M12 x 1.75	19.5	1/2 - 13	27	69.9	94.5	93.0	35.7	83	16	25	47.5 x 3.55	2-225
2	51	M12 x 1.75	19.5	1/2 - 13	27	77.8	103.1	100.1	42.9	97	16	26	56 x 3.55	2-228
2 1/2	64	M12 x 1.75	21.5	1/2 - 13	30	88.9	115.8	112.8	50.8	109	19	38	69 x 3.55	2-232
3	76	M16 x 2	28.5	5/8 - 11	30	106.4	136.7	133.4	61.9	131	22	41	85 x 3.55	2-237
3 1/2	89	M16 x 2	28.5	5/8 - 11	33	120.7	153.9	150.9	69.9	140	22	28	97.5 x 3.55	2-241
4	102	M16 x 2	25.5	5/8 - 11	30	130.2	163.6	160.3	77.8	152	25	35	112 x 3.55	2-245
5	127	M16 x 2	27.5	5/8 - 11	33	152.4	182.6	185.7	92.1	181	28	41	136 x 3.55	2-253

Nominal Flange Size D3		40 MPa Series ¹⁾ (SAE Code 62)											O-Rings ³⁾	
		Clamping Screws Screw Holes					Flange Half and Bolt Pattern							
		(in)	(mm)	Type I		Type II ²⁾ (SAE J518)		C ± 0.25	J		W ± 0.25	Y Ref.	L5	L6
Thread	t_1 Min. depth			Thread (UNC)	t_1 Min. depth	max.	min.							
1/2	13	M8 x 1.25	14.5	5/16 - 18	21	40.5	57.2	55.6	18.2	48	16	22	19 x 3.55	2-210
3/4	19	M10 x 1.5	16.5	3/8 - 16	24	50.8	72.1	70.6	23.8	60	19	28	25 x 3.55	2-214
1	25	M12 x 1.75	21.5	7/16 - 14	27	57.2	81.8	80.3	27.8	70	24	33	32.5 x 3.55	2-219
1 1/4	32	M12 x 1.75	18.5	1/2 - 13	25	66.6	96.0	94.5	31.8	78	27	38	37.5 x 3.55	2-222
1 1/2	38	M16 x 2	25.5	5/8 - 11	35	79.3	114.3	111.3	36.5	95	30	43	47.5 x 3.55	2-225
2	51	M20 x 2.5	33.5	3/4 - 10	38	96.8	134.9	131.8	44.5	114	37	52	56 x 3.55	2-228

Table U19 — Port Detail — ISO 6162

- 1) 1 MPa = 10 bar = 145 PSI.
- 2) Not for new design.
- 3) 90 durometer nitrile is standard for hydraulic applications.
- 4) 16 mm is also acceptable.

NOTE: For assembly procedure and torques, see [page T8](#).

Dimensions and pressures for reference only, subject to change.