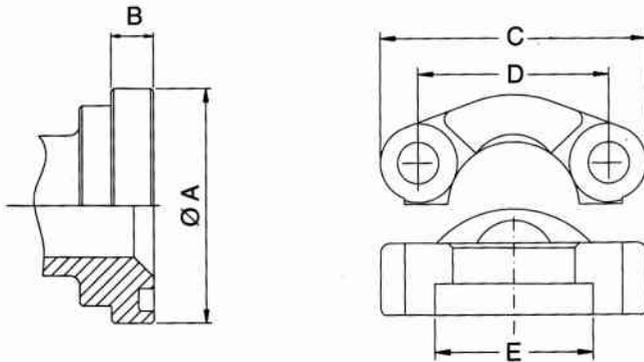


# Technical Information

SAE Flanges ISO 6162-1 – 21.0 MPa/ 3000 psi (SFL)

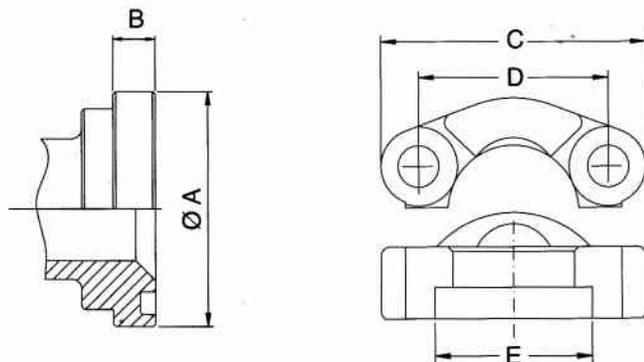


The 4-bolt split flange (or full flange) fitting is used worldwide for connecting high-pressure hoses typically to pumps, motors and cylinders, where the hose assemblies are subjected to large pressure loadings. The sealing mechanism is through compression of the O-ring in the face of the flange head against the surface of the port/connection. The flange fittings are generally separated into two pressure classes referred to as 21.0 MPa/ 3000 psi (SFL) or 2.0 MPa/ 6000 psi (SFS). ISO 12151-3 refers to the flange fittings to as 21.0 MPa/ 3000 psi (SFL) or 42.0 MPa/ 6000 psi (SFS).

Flange (Inch)	size	Ø A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	O-Ring (mm)
1/2"	-8	30,18	6,73	54,0	38,1	31,0	18.64x3.53
3/4"	-12	38,10	6,73	65,0	47,6	38,9	24.99x3.53
1"	-16	44,45	8,00	69,9	52,4	45,2	32.92x3.53
1-1/4"	-20	50,80	8,00	79,4	58,7	51,6	37.69x3.53
1-1/2"	-24	60,33	8,00	93,8	69,9	61,1	47.22x3.53
2"	-32	71,42	9,53	101,6	77,8	72,3	56.74x3.53
2-1/2"	-40	84,12	9,53	114,3	88,9	84,9	69.44x3.53
3"	-48	101,60	9,53	135,0	106,4	102,4	85.32x3.53
3-1/2"	-56	114,30	11,40	152,4	120,7	115,0	98.05x3.53
4"	-64	127,00	11,40	162,0	130,2	127,8	110.71x3.53
5"	-80	152,40	11,40	184,2	152,4	153,2	136.12x3.53

# Technical Information

SAE Flanges ISO 6162-2 – 42.0 MPa/ 6000 psi (SFS)



The 4-bolt split flange (or full flange) fitting is used worldwide for connecting high-pressure hoses typically to pumps, motors and cylinders, where the hose assemblies are subjected to large pressure loadings. The sealing mechanism is through compression of the O-ring in the face of the flange head against the surface of the port/connection. The flange fittings are generally separated into two pressure classes referred to as 21.0 MPa/ 3000 psi (SFL) or 2.0 MPa/ 6000 psi (SFS). ISO 12151-3 refers to the flange fittings to as 21.0 MPa/ 3000 psi (SFL) or 42.0 MPa/ 6000 psi (SFS).

Flange (inch)	Flange size	Ø A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	O-Ring (mm)
1/2"	-8	31,75	7,75	56,4	40,5	32,5	18.64x3.53
3/4"	-12	41,28	8,76	72,0	50,8	42,0	24.99x3.53
1"	-16	47,63	9,53	81,0	57,2	48,4	32.92x3.53
1-1/4"	-20	53,98	10,29	95,3	66,6	54,8	37.69x3.53
1-1/2"	-24	63,50	12,57	112,8	79,3	64,3	47.22x3.53
2"	-32	79,38	12,57	133,4	96,8	80,2	56.74x3.53
2-1/2"	-40	107,80	20,60	180,0	123,8	108,0	69.44x3.53
3"	-48	131,70	25,60	215,0	152,4	132,5	85.32x3.53