

Guide Rail	Width of Opening (IN)	Hydrostatic Head (FT)	Weight of Water (PCF)	Pressure on Gate (PSF)	Bolt Spacing (Poly Seal to Rail) (IN)	Stiffener Spacing (IN)	Load to Bolt (LBS)	Steel Stress (KSI) (Max Local @ AB)	Steel Stress (KSI) (Max General)
FC-1A	14	42.86	62.4	2674.3	8	8	1040.0	27.5	16.7
FC-1A	20	30.00	62.4	1872.0	8	8	1040.0	27.5	16.7
FC-1A	26	23.08	62.4	1440.0	8	8	1040.0	27.5	16.7
FC-1A	32	18.75	62.4	1170.0	8	8	1040.0	27.5	16.7
FC-1A	38	15.79	62.4	985.3	8	8	1040.0	27.5	16.7
FC-1A	44	13.64	62.4	850.9	8	8	1040.0	27.5	16.7
FC-1A	50	12.00	62.4	748.8	8	8	1040.0	27.5	16.7
FC-1A	56	10.71	62.4	668.6	8	8	1040.0	27.5	16.7
FC-1A	62	9.68	62.4	603.9	8	8	1040.0	27.5	16.7
FC-1A	74	8.11	62.4	505.9	8	8	1040.0	27.5	16.7

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FC-1B	14	49.45	62.4	3085.7	8	8	1200.0	27.4	16.4
FC-1B	20	34.62	62.4	2160.0	8	8	1200.0	27.4	16.4
FC-1B	26	26.63	62.4	1661.5	8	8	1200.0	27.4	16.4
FC-1B	32	21.63	62.4	1350.0	8	8	1200.0	27.4	16.4
FC-1B	38	18.22	62.4	1136.8	8	8	1200.0	27.4	16.4
FC-1B	44	15.73	62.4	981.8	8	8	1200.0	27.4	16.4
FC-1B	50	13.85	62.4	864.0	8	8	1200.0	27.4	16.4
FC-1B	56	12.36	62.4	771.4	8	8	1200.0	27.4	16.4
FC-1B	62	11.17	62.4	696.8	8	8	1200.0	27.4	16.4
FC-1B	74	9.36	62.4	583.8	8	8	1200.0	27.4	16.4

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FC-2A	14	56.87	62.4	3548.6	8	8	1380.0	27.4	16.6
FC-2A	20	39.81	62.4	2484.0	8	8	1380.0	27.4	16.6
FC-2A	26	30.62	62.4	1910.8	8	8	1380.0	27.4	16.6
FC-2A	32	24.88	62.4	1552.5	8	8	1380.0	27.4	16.6
FC-2A	38	20.95	62.4	1307.4	8	8	1380.0	27.4	16.6
FC-2A	44	18.09	62.4	1129.1	8	8	1380.0	27.4	16.6
FC-2A	50	15.92	62.4	993.6	8	8	1380.0	27.4	16.6
FC-2A	56	14.22	62.4	887.1	8	8	1380.0	27.4	16.6
FC-2A	62	12.84	62.4	801.3	8	8	1380.0	27.4	16.6
FC-2A	74	10.76	62.4	671.4	8	8	1380.0	27.4	16.6

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FC-2B	14	73.35	62.4	4577.1	8	8	1780.0	27.3	16.5
FC-2B	20	51.35	62.4	3204.0	8	8	1780.0	27.3	16.5
FC-2B	26	39.50	62.4	2464.6	8	8	1780.0	27.3	16.5
FC-2B	32	32.09	62.4	2002.5	8	8	1780.0	27.3	16.5
FC-2B	38	27.02	62.4	1686.3	8	8	1780.0	27.3	16.5
FC-2B	44	23.34	62.4	1456.4	8	8	1780.0	27.3	16.5
FC-2B	50	20.54	62.4	1281.6	8	8	1780.0	27.3	16.5
FC-2B	56	18.34	62.4	1144.3	8	8	1780.0	27.3	16.5
FC-2B	62	16.56	62.4	1033.5	8	8	1780.0	27.3	16.5
FC-2B	74	13.88	62.4	865.9	8	8	1780.0	27.3	16.5