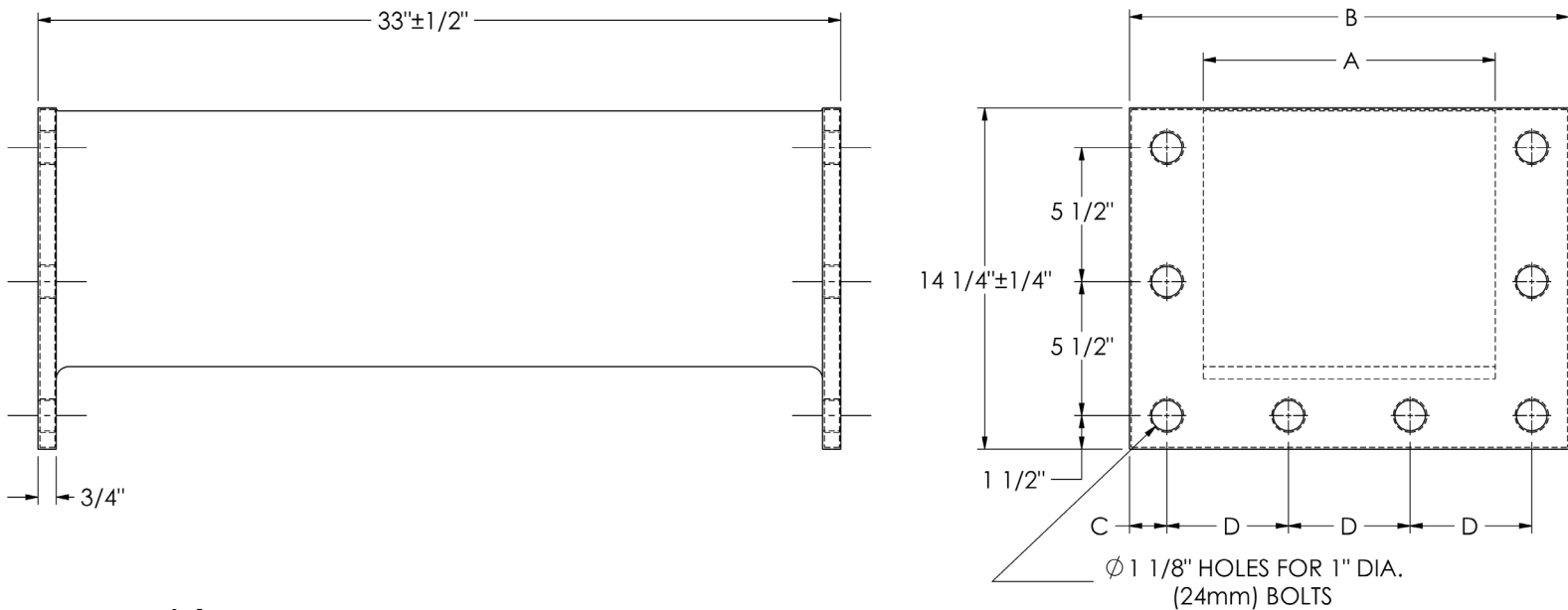


33" Buckling Column Fender



Material:

Elastomer ASTM D-2000 3AA725 B33 C20 F17 K11 - meets PIANC WG 211

Steel ASTM A-36

Part No.	Wt.	A	B	C	D
E46011	235 lbs.	12	18 5/16	1 21/32	5
	107 kg.	(304.8)	(465.1)	(42.1)	(127.0)
E46012	345 lbs.	18	24 5/16	1 21/32	7
	157 kg.	(457.2)	(617.5)	(42.1)	(177.8)
E46013	400 lbs.	22	28 5/16	1 19/32	8 3/8
	181 kg.	(558.8)	(719.1)	(40.5)	(212.7)
E46014	480 lbs.	26	32 5/16	1 5/8	9 2/3
	218 kg.	(660.4)	(820.7)	(41.3)	(246.1)
E46015	550 lbs.	30	36 5/16	1 21/32	11
	250 kg.	(762.0)	(922.3)	(42.1)	(279.4)
E46016	710 lbs.	34	40 5/16	1 19/32	12 3/8
	322 kg.	(865.0)	(1023.0)	(40.5)	(314.3)
E46017	790 lbs.	38	44 5/16	1 23/32	13 5/8
	359 kg.	(965.2)	(1126.0)	(44.0)	(346.1)

in.	cm.
3/4	1.91
1 1/8	2.86
1 1/2	3.81
1 3/4	4.45
5 1/2	13.97
14 1/4	36.20
33	83.82

Note: All dimensions in parentheses are in millimeters



Part No.	R/E at Rated Deflection	R/E at Max. Allowable Deflection	Reaction Load at Rated Deflection	Energy Absorbed at Rated Deflection
E46011	1.2	1.3	25,000	21,200
	(3.9)	(4.3)	(11.3)	(2.90)
E46012	1.1	1.1	35,000	31,900
	(3.6)	(3.7)	(15.8)	(4.40)
E46013	1.1	1.1	43,200	39,000
	(3.6)	(3.6)	(19.6)	(5.40)
E46014	1.1	1.2	51,600	46,000
	(3.6)	(3.9)	(23.4)	(6.35)
E46015	1.1	1.1	60,800	53,000
	(3.6)	(3.6)	(27.5)	(7.35)
E46016	1.1	1.1	66,500	60,000
	(3.6)	(3.6)	(30.1)	(8.30)
E46017	1.1	1.1	73,300	67,000
	(3.6)	(3.6)	(33.2)	(9.30)

Note:

1. R/E - KIPS/ft. KIP (metric tons/metric ton meters)
2. Reaction Load - lbs. (metric tons)
3. Energy - ft. lbs. (metric ton meters)

