



# Marine Fenders International, Inc.

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## Ocean Guard™ Advanced Extra High Capacity Foam Filled Fenders

• Tested in accordance with  
PIANC guidelines.

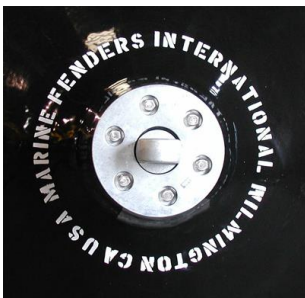
• Constructed to US Navy  
specifications.



• Thick, tough filament nylon  
reinforced non-marking  
urethane skin



• Heat laminated closed  
cell energy absorbing  
foam core.



• Integral swivel end fittings  
internally connected with a  
heavy duty stud-link chain

Fender Size		Energy Absorption (60% Compression)		Reaction Force (When EA is Achieved)		End Pull-Through Strength	
English	Metric						
Ø [ft] x L [ft]	Ø [m] x L [m]	ft-kips	kN-m	kips	kN	kips	kN
2 x 4	0.6 x 1.2	25	34	45	200	9.5	42
2 x 6	0.6 x 1.8	41	55	74	330	9.5	42
2 x 8	0.6 x 2.4	56	76	106	470	9.5	42
2 x 10	0.6 x 3.0	72	98	135	600	9.5	42
3 x 5	0.9 x 1.5	70	95	101	450	9.5	42
3 x 6	0.9 x 1.8	88	119	108	480	9.5	42
3 x 8	0.9 x 2.4	124	168	153	681	17	76
3 x 10	0.9 x 3.0	160	217	198	881	17	76
3 x 12	0.9 x 3.7	196	265	243	1,081	17	76
3 x 14	0.9 x 4.3	232	314	288	1,281	17	76
4 x 6	1.2 x 1.8	135	183	126	560	17	76
4 x 8	1.2 x 2.4	200	272	187	831	17	76
4 x 10	1.2 x 3.0	266	360	250	1,111	17	76
4 x 12	1.2 x 3.7	329	445	306	1,361	34	151
4 x 16	1.2 x 4.9	457	619	425	1,892	34	151
4 x 20	1.2 x 6.1	585	793	545	2,422	34	151
5 x 8	1.5 x 2.4	304	412	225	1,001	17	76
5 x 10	1.5 x 3.0	405	549	302	1,341	34	151
5 x 12	1.5 x 3.7	506	686	376	1,671	34	151
5 x 14	1.5 x 4.3	605	821	450	2,002	34	151
5 x 16	1.5 x 4.9	704	955	524	2,332	34	151
5 x 18	1.5 x 5.5	803	1,089	599	2,662	70	311
6 x 12	1.8 x 3.7	675	915	419	1,861	34	151
6 x 14	1.8 x 4.3	819	1,111	506	2,252	34	151
6 x 16	1.8 x 4.9	961	1,303	596	2,652	70	311
6 x 18	1.8 x 5.5	1,105	1,498	686	3,052	70	311
6 x 20	1.8 x 6.1	1,247	1,690	774	3,443	70	311
7 x 14	2.1 x 4.3	1,096	1,486	583	2,592	70	311
7 x 16	2.1 x 4.9	1,292	1,751	686	3,052	70	311
7 x 18	2.1 x 5.5	1,485	2,014	790	3,513	70	311
7 x 20	2.1 x 6.1	1,681	2,279	893	3,973	70	311
7 x 22	2.1 x 6.7	1,874	2,541	997	4,434	70	311
8 x 12	2.4 x 3.7	1,195	1,620	554	2,462	70	311
8 x 14	2.4 x 4.3	1,393	1,889	648	2,882	70	311
8 x 16	2.4 x 4.9	1,649	2,236	767	3,413	70	311
8 x 18	2.4 x 5.5	1,906	2,584	887	3,943	70	311
8 x 20	2.4 x 6.1	2,162	2,932	1,006	4,474	70	311
8 x 22	2.4 x 6.7	2,419	3,280	1,125	5,004	110	489
9 x 14	2.7 x 4.3	1,753	2,377	725	3,223	70	311
9 x 16	2.7 x 4.9	2,003	2,715	828	3,683	70	311
9 x 18	2.7 x 5.5	2,322	3,149	961	4,273	70	311
9 x 20	2.7 x 6.1	2,644	3,585	1,094	4,864	110	489
9 x 22	2.7 x 6.7	2,966	4,021	1,226	5,454	110	489
10 x 16	3.0 x 4.9	2,432	3,298	905	4,023	70	311
10 x 18	3.0 x 5.5	2,831	3,838	1,053	4,684	70	311
10 x 20	3.0 x 6.1	3,229	4,378	1,202	5,344	110	489
10 x 22	3.0 x 6.7	3,627	4,918	1,350	6,005	110	489
10 x 24	3.0 x 7.3	4,075	5,525	1,517	6,745	110	489
11 x 18	3.4 x 5.5	3,335	4,522	1,127	5,014	110	489
11 x 20	3.4 x 6.1	3,816	5,174	1,289	5,735	110	489
11 x 22	3.4 x 6.7	4,298	5,827	1,454	6,465	110	489
11 x 24	3.4 x 7.3	4,687	6,355	1,584	7,046	110	489
12 x 20	3.7 x 6.1	4,867	6,599	1,593	7,086	110	489
12 x 24	3.7 x 7.3	5,839	7,917	1,913	8,507	110	489
13 x 26	4.0 x 7.9	7,290	9,885	2,216	9,858	110	489
14 x 28	4.3 x 8.5	9,000	12,204	2,543	11,309	110	489

\* Actual values for above sizes may vary +/- 15% due to variations in materials, speed of compression, temperatures and tolerances.