



# Marine Fenders International, Inc.

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## Ocean Guard™ Advanced 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 Ø [ft] x L [ft]	Metric Ø [m] x L [m]	ft-kips	kN-m	kips	kN	kips	kN
2 x 4	0.6 x 1.2	18	24	32	142	9.5	42
2 x 6	0.6 x 1.8	29	39	53	235	9.5	42
2 x 8	0.6 x 2.4	40	54	75	334	9.5	42
2 x 10	0.6 x 3.0	51	69	96	427	9.5	42
3 x 5	0.9 x 1.5	50	67	72	320	9.5	42
3 x 6	0.9 x 1.8	62	85	77	342	9.5	42
3 x 8	0.9 x 2.4	88	119	109	484	17	76
3 x 10	0.9 x 3.0	114	154	141	626	17	76
3 x 12	0.9 x 3.7	139	189	173	769	17	76
3 x 14	0.9 x 4.3	165	223	205	911	17	76
4 x 6	1.2 x 1.8	96	130	90	399	17	76
4 x 8	1.2 x 2.4	142	193	133	591	17	76
4 x 10	1.2 x 3.0	189	256	178	790	17	76
4 x 12	1.2 x 3.7	234	317	218	968	34	151
4 x 16	1.2 x 4.9	325	440	302	1,345	34	151
4 x 20	1.2 x 6.1	416	564	387	1,722	34	151
5 x 8	1.5 x 2.4	216	293	160	712	17	76
5 x 10	1.5 x 3.0	288	391	214	954	34	151
5 x 12	1.5 x 3.7	360	488	267	1,189	34	151
5 x 14	1.5 x 4.3	430	584	320	1,423	34	151
5 x 16	1.5 x 4.9	501	679	373	1,658	34	151
5 x 18	1.5 x 5.5	571	775	426	1,893	70	311
6 x 12	1.8 x 3.7	480	651	298	1,324	34	151
6 x 14	1.8 x 4.3	582	790	360	1,601	34	151
6 x 16	1.8 x 4.9	683	926	424	1,886	70	311
6 x 18	1.8 x 5.5	786	1,065	488	2,171	70	311
6 x 20	1.8 x 6.1	886	1,202	550	2,448	70	311
7 x 14	2.1 x 4.3	779	1,057	414	1,843	70	311
7 x 16	2.1 x 4.9	918	1,245	488	2,171	70	311
7 x 18	2.1 x 5.5	1,056	1,432	562	2,498	70	311
7 x 20	2.1 x 6.1	1,195	1,621	635	2,825	70	311
7 x 22	2.1 x 6.7	1,333	1,807	709	3,153	70	311
8 x 12	2.4 x 3.7	850	1,152	394	1,751	70	311
8 x 14	2.4 x 4.3	990	1,343	461	2,050	70	311
8 x 16	2.4 x 4.9	1,173	1,590	546	2,427	70	311
8 x 18	2.4 x 5.5	1,355	1,838	630	2,804	70	311
8 x 20	2.4 x 6.1	1,538	2,085	715	3,181	70	311
8 x 22	2.4 x 6.7	1,720	2,332	800	3,558	110	489
9 x 14	2.7 x 4.3	1,246	1,690	515	2,292	70	311
9 x 16	2.7 x 4.9	1,424	1,931	589	2,619	70	311
9 x 18	2.7 x 5.5	1,651	2,239	683	3,039	70	311
9 x 20	2.7 x 6.1	1,880	2,549	778	3,459	110	489
9 x 22	2.7 x 6.7	2,109	2,860	872	3,879	110	489
10 x 16	3.0 x 4.9	1,730	2,345	643	2,861	70	311
10 x 18	3.0 x 5.5	2,013	2,729	749	3,331	70	311
10 x 20	3.0 x 6.1	2,296	3,113	854	3,800	110	489
10 x 22	3.0 x 6.7	2,579	3,497	960	4,270	110	489
10 x 24	3.0 x 7.3	2,898	3,929	1,078	4,797	110	489
11 x 18	3.4 x 5.5	2,371	3,215	802	3,566	110	489
11 x 20	3.4 x 6.1	2,714	3,680	917	4,078	110	489
11 x 22	3.4 x 6.7	3,056	4,144	1,034	4,597	110	489
11 x 24	3.4 x 7.3	3,333	4,519	1,126	5,010	110	489
12 x 20	3.7 x 6.1	3,461	4,693	1,133	5,039	110	489
12 x 24	3.7 x 7.3	4,152	5,630	1,360	6,049	110	489
13 x 26	4.0 x 7.9	5,184	7,030	1,576	7,010	110	489
14 x 28	4.3 x 8.5	6,400	8,678	1,808	8,042	110	489

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