



Marine Fenders International, Inc.

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Ocean Guard™ Standard 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	11	15	20	89	9.5	42
2 x 6	0.6 x 1.8	18	24	33	147	9.5	42
2 x 8	0.6 x 2.4	25	34	47	209	9.5	42
2 x 10	0.6 x 3.0	32	43	60	267	9.5	42
3 x 5	0.9 x 1.5	31	42	45	200	9.5	42
3 x 6	0.9 x 1.8	39	53	48	214	9.5	42
3 x 8	0.9 x 2.4	55	75	68	302	17	76
3 x 10	0.9 x 3.0	71	96	88	391	17	76
3 x 12	0.9 x 3.7	87	118	108	480	17	76
3 x 14	0.9 x 4.3	103	140	128	569	17	76
4 x 6	1.2 x 1.8	60	81	56	249	17	76
4 x 8	1.2 x 2.4	89	121	83	369	17	76
4 x 10	1.2 x 3.0	118	160	111	494	17	76
4 x 12	1.2 x 3.7	146	198	136	605	34	151
4 x 16	1.2 x 4.9	203	275	189	841	34	151
4 x 20	1.2 x 6.1	260	353	242	1076	34	151
5 x 8	1.5 x 2.4	135	183	100	445	17	76
5 x 10	1.5 x 3.0	180	244	134	596	34	151
5 x 12	1.5 x 3.7	225	305	167	743	34	151
5 x 14	1.5 x 4.3	269	365	200	890	34	151
5 x 16	1.5 x 4.9	313	424	233	1036	34	151
5 x 18	1.5 x 5.5	357	484	266	1,183	70	311
6 x 12	1.8 x 3.7	300	407	186	827	34	151
6 x 14	1.8 x 4.3	364	494	225	1,001	34	151
6 x 16	1.8 x 4.9	427	579	265	1,179	70	311
6 x 18	1.8 x 5.5	491	666	305	1,357	70	311
6 x 20	1.8 x 6.1	554	751	344	1,530	70	311
7 x 14	2.1 x 4.3	487	660	259	1,152	70	311
7 x 16	2.1 x 4.9	574	778	305	1,357	70	311
7 x 18	2.1 x 5.5	660	895	351	1,561	70	311
7 x 20	2.1 x 6.1	747	1,013	397	1,766	70	311
7 x 22	2.1 x 6.7	833	1,130	443	1,970	70	311
8 x 12	2.4 x 3.7	531	720	246	1,094	70	311
8 x 14	2.4 x 4.3	619	839	288	1,281	70	311
8 x 16	2.4 x 4.9	733	994	341	1,517	70	311
8 x 18	2.4 x 5.5	847	1,149	394	1,753	70	311
8 x 20	2.4 x 6.1	961	1,303	447	1,988	70	311
8 x 22	2.4 x 6.7	1,075	1,458	500	2,224	110	489
9 x 14	2.7 x 4.3	779	1,056	322	1,432	70	311
9 x 16	2.7 x 4.9	890	1,207	368	1,637	70	311
9 x 18	2.7 x 5.5	1,032	1,399	427	1,899	70	311
9 x 20	2.7 x 6.1	1,175	1,593	486	2,162	110	489
9 x 22	2.7 x 6.7	1,318	1,787	545	2,424	110	489
10 x 16	3.0 x 4.9	1,081	1,466	402	1,788	70	311
10 x 18	3.0 x 5.5	1,258	1,706	468	2,082	70	311
10 x 20	3.0 x 6.1	1,435	1,946	534	2,375	110	489
10 x 22	3.0 x 6.7	1,612	2,186	600	2,669	110	489
10 x 24	3.0 x 7.3	1,811	2,456	674	2,998	110	489
11 x 18	3.4 x 5.5	1,482	2,010	501	2,228	110	489
11 x 20	3.4 x 6.1	1,696	2,300	573	2,549	110	489
11 x 22	3.4 x 6.7	1,910	2,590	646	2,873	110	489
11 x 24	3.4 x 7.3	2,083	2,825	704	3,131	110	489
12 x 20	3.7 x 6.1	2,163	2,933	708	3,149	110	489
12 x 24	3.7 x 7.3	2,595	3,519	850	3,781	110	489
13 x 26	4.0 x 7.9	3,240	4,393	985	4,381	110	489
14 x 28	4.3 x 8.5	4,000	5,424	1,130	5,026	110	489

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