



Marine Fenders International, Inc.

909 Mahar Avenue • Wilmington • California • 90744

Telephone 1-310-834-7037 • Fax 1-310-834-7825

E-mail: sales@marinefendersintl.com • www.marinefendersintl.com

Ocean Guard™ Super High Capacity Foam Filled Fenders

• Tested in accordance with PIANC guidelines.

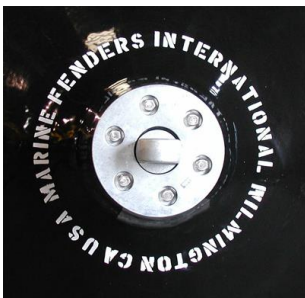
• Constructed to US Navy specifications.



• 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 | 29 | 39 | 52 | 231 | 9.5 | 42 |
| 2 x 6 | 0.6 x 1.8 | 47 | 64 | 86 | 383 | 9.5 | 42 |
| 2 x 8 | 0.6 x 2.4 | 65 | 88 | 122 | 543 | 9.5 | 42 |
| 2 x 10 | 0.6 x 3.0 | 83 | 113 | 156 | 694 | 9.5 | 42 |
| 3 x 5 | 0.9 x 1.5 | 81 | 110 | 117 | 520 | 9.5 | 42 |
| 3 x 6 | 0.9 x 1.8 | 101 | 137 | 125 | 556 | 9.5 | 42 |
| 3 x 8 | 0.9 x 2.4 | 143 | 194 | 177 | 787 | 17 | 76 |
| 3 x 10 | 0.9 x 3.0 | 185 | 251 | 229 | 1019 | 17 | 76 |
| 3 x 12 | 0.9 x 3.7 | 226 | 306 | 281 | 1250 | 17 | 76 |
| 3 x 14 | 0.9 x 4.3 | 268 | 363 | 333 | 1481 | 17 | 76 |
| 4 x 6 | 1.2 x 1.8 | 156 | 212 | 146 | 649 | 17 | 76 |
| 4 x 8 | 1.2 x 2.4 | 231 | 313 | 216 | 961 | 17 | 76 |
| 4 x 10 | 1.2 x 3.0 | 307 | 416 | 289 | 1285 | 17 | 76 |
| 4 x 12 | 1.2 x 3.7 | 380 | 515 | 354 | 1575 | 34 | 151 |
| 4 x 16 | 1.2 x 4.9 | 528 | 716 | 491 | 2184 | 34 | 151 |
| 4 x 20 | 1.2 x 6.1 | 676 | 917 | 629 | 2798 | 34 | 151 |
| 5 x 8 | 1.5 x 2.4 | 351 | 476 | 260 | 1156 | 17 | 76 |
| 5 x 10 | 1.5 x 3.0 | 468 | 635 | 348 | 1548 | 34 | 151 |
| 5 x 12 | 1.5 x 3.7 | 585 | 793 | 434 | 1930 | 34 | 151 |
| 5 x 14 | 1.5 x 4.3 | 699 | 948 | 520 | 2313 | 34 | 151 |
| 5 x 16 | 1.5 x 4.9 | 814 | 1104 | 606 | 2695 | 34 | 151 |
| 5 x 18 | 1.5 x 5.5 | 928 | 1,258 | 692 | 3,078 | 70 | 311 |
| 6 x 12 | 1.8 x 3.7 | 780 | 1,058 | 484 | 2,153 | 34 | 151 |
| 6 x 14 | 1.8 x 4.3 | 946 | 1,283 | 585 | 2,602 | 34 | 151 |
| 6 x 16 | 1.8 x 4.9 | 1110 | 1,505 | 689 | 3,065 | 70 | 311 |
| 6 x 18 | 1.8 x 5.5 | 1277 | 1,732 | 793 | 3,527 | 70 | 311 |
| 6 x 20 | 1.8 x 6.1 | 1440 | 1,953 | 894 | 3,977 | 70 | 311 |
| 7 x 14 | 2.1 x 4.3 | 1266 | 1,717 | 673 | 2,994 | 70 | 311 |
| 7 x 16 | 2.1 x 4.9 | 1492 | 2,023 | 793 | 3,527 | 70 | 311 |
| 7 x 18 | 2.1 x 5.5 | 1716 | 2,327 | 913 | 4,061 | 70 | 311 |
| 7 x 20 | 2.1 x 6.1 | 1942 | 2,633 | 1,032 | 4,590 | 70 | 311 |
| 7 x 22 | 2.1 x 6.7 | 2,166 | 2,937 | 1,152 | 5,124 | 70 | 311 |
| 8 x 12 | 2.4 x 3.7 | 1,379 | 1,870 | 642 | 2,856 | 70 | 311 |
| 8 x 14 | 2.4 x 4.3 | 1609 | 2,182 | 749 | 3,332 | 70 | 311 |
| 8 x 16 | 2.4 x 4.9 | 1906 | 2,585 | 887 | 3,945 | 70 | 311 |
| 8 x 18 | 2.4 x 5.5 | 2,202 | 2,986 | 1,024 | 4,555 | 70 | 311 |
| 8 x 20 | 2.4 x 6.1 | 2,499 | 3,389 | 1,162 | 5,169 | 70 | 311 |
| 8 x 22 | 2.4 x 6.7 | 2,795 | 3,790 | 1,300 | 5,782 | 110 | 489 |
| 9 x 14 | 2.7 x 4.3 | 2,025 | 2,746 | 837 | 3,723 | 70 | 311 |
| 9 x 16 | 2.7 x 4.9 | 2,314 | 3,138 | 957 | 4,257 | 70 | 311 |
| 9 x 18 | 2.7 x 5.5 | 2,683 | 3,638 | 1,110 | 4,937 | 70 | 311 |
| 9 x 20 | 2.7 x 6.1 | 3,055 | 4,143 | 1,264 | 5,622 | 110 | 489 |
| 9 x 22 | 2.7 x 6.7 | 3,427 | 4,647 | 1,417 | 6,303 | 110 | 489 |
| 10 x 16 | 3.0 x 4.9 | 2,811 | 3,812 | 1,045 | 4,648 | 70 | 311 |
| 10 x 18 | 3.0 x 5.5 | 3,271 | 4,435 | 1,217 | 5,413 | 70 | 311 |
| 10 x 20 | 3.0 x 6.1 | 3,731 | 5,059 | 1,388 | 6,174 | 110 | 489 |
| 10 x 22 | 3.0 x 6.7 | 4,191 | 5,683 | 1,560 | 6,939 | 110 | 489 |
| 10 x 24 | 3.0 x 7.3 | 4,572 | 6,200 | 1,702 | 7,570 | 110 | 489 |
| 11 x 18 | 3.4 x 5.5 | 3,853 | 5,225 | 1,303 | 5,796 | 110 | 489 |
| 11 x 20 | 3.4 x 6.1 | 4,410 | 5,980 | 1,491 | 6,632 | 110 | 489 |
| 11 x 22 | 3.4 x 6.7 | 4,966 | 6,734 | 1,680 | 7,473 | 110 | 489 |
| 11 x 24 | 3.4 x 7.3 | 5,418 | 7,347 | 1,832 | 8,149 | 110 | 489 |
| 12 x 20 | 3.7 x 6.1 | 5,623 | 7,625 | 1,841 | 8,189 | 110 | 489 |
| 12 x 24 | 3.7 x 7.3 | 6,747 | 9,149 | 2,210 | 9,830 | 110 | 489 |
| 13 x 26 | 4.0 x 7.9 | 8,424 | 11,423 | 2,561 | 11,391 | 110 | 489 |
| 14 x 28 | 4.3 x 8.5 | 10,400 | 14,102 | 2,938 | 13,068 | 110 | 489 |

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