



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™ Advanced 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 | 13 | 17 | 23 | 102 | 9.5 | 42 |
| 2 x 6 | 0.6 x 1.8 | 21 | 28 | 38 | 169 | 9.5 | 42 |
| 2 x 8 | 0.6 x 2.4 | 29 | 39 | 54 | 240 | 9.5 | 42 |
| 2 x 10 | 0.6 x 3.0 | 37 | 50 | 69 | 307 | 9.5 | 42 |
| 3 x 5 | 0.9 x 1.5 | 36 | 48 | 52 | 230 | 9.5 | 42 |
| 3 x 6 | 0.9 x 1.8 | 45 | 61 | 55 | 246 | 9.5 | 42 |
| 3 x 8 | 0.9 x 2.4 | 63 | 86 | 78 | 348 | 17 | 76 |
| 3 x 10 | 0.9 x 3.0 | 82 | 111 | 101 | 450 | 17 | 76 |
| 3 x 12 | 0.9 x 3.7 | 100 | 136 | 124 | 552 | 17 | 76 |
| 3 x 14 | 0.9 x 4.3 | 118 | 161 | 147 | 655 | 17 | 76 |
| 4 x 6 | 1.2 x 1.8 | 69 | 94 | 64 | 286 | 17 | 76 |
| 4 x 8 | 1.2 x 2.4 | 102 | 139 | 95 | 425 | 17 | 76 |
| 4 x 10 | 1.2 x 3.0 | 136 | 184 | 128 | 568 | 17 | 76 |
| 4 x 12 | 1.2 x 3.7 | 168 | 228 | 156 | 696 | 34 | 151 |
| 4 x 16 | 1.2 x 4.9 | 233 | 317 | 217 | 967 | 34 | 151 |
| 4 x 20 | 1.2 x 6.1 | 299 | 405 | 278 | 1238 | 34 | 151 |
| 5 x 8 | 1.5 x 2.4 | 155 | 211 | 115 | 512 | 17 | 76 |
| 5 x 10 | 1.5 x 3.0 | 207 | 281 | 154 | 685 | 34 | 151 |
| 5 x 12 | 1.5 x 3.7 | 259 | 351 | 192 | 854 | 34 | 151 |
| 5 x 14 | 1.5 x 4.3 | 309 | 419 | 230 | 1023 | 34 | 151 |
| 5 x 16 | 1.5 x 4.9 | 360 | 488 | 268 | 1192 | 34 | 151 |
| 5 x 18 | 1.5 x 5.5 | 411 | 557 | 306 | 1,361 | 70 | 311 |
| 6 x 12 | 1.8 x 3.7 | 345 | 468 | 214 | 951 | 34 | 151 |
| 6 x 14 | 1.8 x 4.3 | 419 | 568 | 259 | 1,151 | 34 | 151 |
| 6 x 16 | 1.8 x 4.9 | 491 | 666 | 305 | 1,356 | 70 | 311 |
| 6 x 18 | 1.8 x 5.5 | 565 | 766 | 351 | 1,560 | 70 | 311 |
| 6 x 20 | 1.8 x 6.1 | 637 | 864 | 396 | 1,760 | 70 | 311 |
| 7 x 14 | 2.1 x 4.3 | 560 | 759 | 298 | 1,325 | 70 | 311 |
| 7 x 16 | 2.1 x 4.9 | 660 | 895 | 351 | 1,560 | 70 | 311 |
| 7 x 18 | 2.1 x 5.5 | 759 | 1,029 | 404 | 1,795 | 70 | 311 |
| 7 x 20 | 2.1 x 6.1 | 859 | 1,165 | 457 | 2,031 | 70 | 311 |
| 7 x 22 | 2.1 x 6.7 | 958 | 1,299 | 509 | 2,266 | 70 | 311 |
| 8 x 12 | 2.4 x 3.7 | 611 | 828 | 283 | 1,258 | 70 | 311 |
| 8 x 14 | 2.4 x 4.3 | 712 | 965 | 331 | 1,473 | 70 | 311 |
| 8 x 16 | 2.4 x 4.9 | 843 | 1,143 | 392 | 1,744 | 70 | 311 |
| 8 x 18 | 2.4 x 5.5 | 974 | 1,321 | 453 | 2,015 | 70 | 311 |
| 8 x 20 | 2.4 x 6.1 | 1,105 | 1,499 | 514 | 2,286 | 70 | 311 |
| 8 x 22 | 2.4 x 6.7 | 1,236 | 1,676 | 575 | 2,558 | 110 | 489 |
| 9 x 14 | 2.7 x 4.3 | 896 | 1,215 | 370 | 1,647 | 70 | 311 |
| 9 x 16 | 2.7 x 4.9 | 1,024 | 1,388 | 423 | 1,882 | 70 | 311 |
| 9 x 18 | 2.7 x 5.5 | 1,187 | 1,609 | 491 | 2,184 | 70 | 311 |
| 9 x 20 | 2.7 x 6.1 | 1,351 | 1,832 | 559 | 2,486 | 110 | 489 |
| 9 x 22 | 2.7 x 6.7 | 1,516 | 2,055 | 627 | 2,788 | 110 | 489 |
| 10 x 16 | 3.0 x 4.9 | 1,243 | 1,686 | 462 | 2,056 | 70 | 311 |
| 10 x 18 | 3.0 x 5.5 | 1,447 | 1,962 | 538 | 2,394 | 70 | 311 |
| 10 x 20 | 3.0 x 6.1 | 1,650 | 2,238 | 614 | 2,732 | 110 | 489 |
| 10 x 22 | 3.0 x 6.7 | 1,854 | 2,514 | 690 | 3,069 | 110 | 489 |
| 10 x 24 | 3.0 x 7.3 | 2,083 | 2,824 | 775 | 3,448 | 110 | 489 |
| 11 x 18 | 3.4 x 5.5 | 1,704 | 2,311 | 576 | 2,563 | 110 | 489 |
| 11 x 20 | 3.4 x 6.1 | 1,950 | 2,645 | 659 | 2,931 | 110 | 489 |
| 11 x 22 | 3.4 x 6.7 | 2,197 | 2,978 | 743 | 3,304 | 110 | 489 |
| 11 x 24 | 3.4 x 7.3 | 2,395 | 3,248 | 810 | 3,601 | 110 | 489 |
| 12 x 20 | 3.7 x 6.1 | 2,487 | 3,373 | 814 | 3,622 | 110 | 489 |
| 12 x 24 | 3.7 x 7.3 | 2,984 | 4,047 | 978 | 4,348 | 110 | 489 |
| 13 x 26 | 4.0 x 7.9 | 3,726 | 5,052 | 1,133 | 5,038 | 110 | 489 |
| 14 x 28 | 4.3 x 8.5 | 4,600 | 6,238 | 1,300 | 5,780 | 110 | 489 |

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