

OCEAN GUARD™ NETLESS FOAM FILLED FENDERS

| FENDERS | | STANDARD CAPACITY | | | | HIGH CAPACITY | | | | EXTRA HIGH CAPACITY | | | | SUPER HIGH CAPACITY | | | | FENDER | |
|---------|-----------|-------------------|-------|----------------|------|-------------------|-------|----------------|------|---------------------|-------|----------------|------|---------------------|-------|----------------|-------|----------------------------|-----|
| SIZE | | ENERGY ABSORPTION | | REACTION FORCE | | ENERGY ABSORPTION | | REACTION FORCE | | ENERGY ABSORPTION | | REACTION FORCE | | ENERGY ABSORPTION | | REACTION FORCE | | SAFE WORKING END PULL LOAD | |
| ENGLISH | METRIC | ft - kips | | ton-m | | kips | | tons | | ft - kips | | ton-m | | kips | | tons | | kips | kN |
| ft x ft | m x m | ft - kips | ton-m | kips | tons | ft - kips | ton-m | kips | tons | ft - kips | ton-m | kips | tons | ft - kips | ton-m | kips | tons | kips | kN |
| 2 x 4 | 0.6 x 1.2 | 11 | 2 | 20 | 9 | 14 | 2 | 26 | 12 | 21 | 3 | 38 | 17 | 29 | 4 | 52 | 24 | 9.5 | 42 |
| 2 x 6 | 0.6 x 1.8 | 18 | 3 | 33 | 15 | 23 | 3 | 43 | 20 | 34 | 5 | 63 | 29 | 47 | 7 | 86 | 39 | 9.5 | 42 |
| 2 x 8 | 0.6 x 2.4 | 25 | 4 | 47 | 21 | 33 | 5 | 61 | 28 | 48 | 7 | 89 | 40 | 65 | 9 | 122 | 55 | 9.5 | 42 |
| 2 x 10 | 0.6 x 3.0 | 32 | 4 | 60 | 27 | 42 | 6 | 78 | 35 | 61 | 8 | 114 | 52 | 83 | 11 | 156 | 71 | 9.5 | 42 |
| 3 x 5 | 0.9 x 1.5 | 31 | 4 | 45 | 20 | 40 | 6 | 59 | 27 | 59 | 8 | 86 | 39 | 81 | 11 | 117 | 53 | 9.5 | 42 |
| 3 x 6 | 0.9 x 1.8 | 39 | 5 | 48 | 22 | 51 | 7 | 62 | 28 | 74 | 10 | 91 | 41 | 101 | 14 | 125 | 57 | 9.5 | 42 |
| 3 x 8 | 0.9 x 2.4 | 55 | 8 | 68 | 31 | 72 | 10 | 88 | 40 | 105 | 15 | 129 | 59 | 143 | 20 | 177 | 80 | 17 | 76 |
| 3 x 10 | 0.9 x 3.0 | 71 | 10 | 88 | 40 | 92 | 13 | 114 | 52 | 135 | 19 | 167 | 76 | 185 | 26 | 229 | 104 | 17 | 76 |
| 3 x 12 | 0.9 x 3.7 | 87 | 12 | 108 | 49 | 113 | 16 | 140 | 64 | 165 | 23 | 205 | 93 | 226 | 31 | 281 | 127 | 17 | 76 |
| 3 x 14 | 0.9 x 4.3 | 103 | 14 | 128 | 58 | 134 | 19 | 166 | 75 | 196 | 27 | 243 | 110 | 268 | 37 | 333 | 151 | 17 | 76 |
| 4 x 6 | 1.2 x 1.8 | 60 | 8 | 56 | 26 | 78 | 11 | 73 | 33 | 114 | 16 | 106 | 48 | 156 | 22 | 146 | 66 | 17 | 76 |
| 4 x 8 | 1.2 x 2.4 | 89 | 12 | 83 | 38 | 116 | 16 | 108 | 49 | 169 | 23 | 158 | 72 | 231 | 32 | 216 | 98 | 17 | 76 |
| 4 x 10 | 1.2 x 3.0 | 118 | 16 | 111 | 50 | 153 | 21 | 144 | 65 | 224 | 31 | 211 | 96 | 307 | 42 | 289 | 131 | 17 | 76 |
| 4 x 12 | 1.2 x 3.7 | 146 | 20 | 136 | 62 | 190 | 26 | 177 | 80 | 277 | 38 | 258 | 117 | 380 | 53 | 354 | 161 | 34 | 151 |
| 4 x 16 | 1.2 x 4.9 | 203 | 28 | 189 | 86 | 264 | 37 | 246 | 112 | 386 | 53 | 359 | 163 | 528 | 73 | 491 | 223 | 34 | 151 |
| 4 x 20 | 1.2 x 6.1 | 260 | 36 | 242 | 110 | 338 | 47 | 315 | 143 | 494 | 68 | 460 | 209 | 676 | 93 | 629 | 285 | 34 | 151 |
| 5 x 8 | 1.5 x 2.4 | 135 | 18 | 100 | 45 | 176 | 24 | 130 | 59 | 257 | 36 | 190 | 86 | 351 | 49 | 260 | 118 | 17 | 76 |
| 5 x 10 | 1.5 x 3.0 | 180 | 25 | 134 | 61 | 234 | 32 | 174 | 79 | 342 | 47 | 255 | 116 | 468 | 65 | 348 | 158 | 34 | 151 |
| 5 x 12 | 1.5 x 3.7 | 225 | 31 | 167 | 75 | 293 | 41 | 217 | 98 | 428 | 59 | 317 | 144 | 585 | 81 | 434 | 197 | 34 | 151 |
| 5 x 14 | 1.5 x 4.3 | 269 | 37 | 200 | 91 | 350 | 48 | 260 | 118 | 511 | 71 | 380 | 172 | 699 | 97 | 520 | 236 | 34 | 151 |
| 5 x 16 | 1.5 x 4.9 | 313 | 43 | 233 | 106 | 407 | 56 | 303 | 137 | 595 | 82 | 443 | 201 | 814 | 113 | 606 | 275 | 34 | 151 |
| 5 x 18 | 1.5 x 5.5 | 357 | 49 | 266 | 121 | 464 | 64 | 346 | 157 | 678 | 94 | 505 | 229 | 928 | 128 | 692 | 314 | 70 | 311 |
| 6 x 12 | 1.8 x 3.7 | 300 | 41 | 186 | 84 | 390 | 54 | 242 | 110 | 570 | 79 | 353 | 160 | 780 | 108 | 484 | 220 | 34 | 151 |
| 6 x 14 | 1.8 x 4.3 | 364 | 50 | 225 | 102 | 473 | 65 | 293 | 133 | 692 | 96 | 428 | 194 | 946 | 131 | 585 | 265 | 34 | 151 |
| 6 x 16 | 1.8 x 4.9 | 427 | 59 | 265 | 120 | 555 | 77 | 345 | 156 | 811 | 112 | 504 | 229 | 1,110 | 154 | 689 | 313 | 70 | 311 |
| 6 x 18 | 1.8 x 5.5 | 491 | 68 | 305 | 138 | 638 | 88 | 397 | 180 | 933 | 129 | 580 | 263 | 1,277 | 177 | 793 | 360 | 70 | 311 |
| 6 x 20 | 1.8 x 6.1 | 554 | 77 | 344 | 156 | 720 | 100 | 447 | 203 | 1,053 | 146 | 654 | 297 | 1,440 | 199 | 894 | 406 | 70 | 311 |
| 7 x 14 | 2.1 x 4.3 | 487 | 67 | 259 | 117 | 633 | 88 | 337 | 153 | 925 | 128 | 492 | 223 | 1,266 | 175 | 673 | 305 | 70 | 311 |
| 7 x 16 | 2.1 x 4.9 | 574 | 79 | 305 | 138 | 746 | 103 | 397 | 180 | 1,091 | 151 | 580 | 263 | 1,492 | 206 | 793 | 360 | 70 | 311 |
| 7 x 18 | 2.1 x 5.5 | 660 | 91 | 351 | 159 | 858 | 119 | 456 | 207 | 1,254 | 173 | 667 | 303 | 1,716 | 237 | 913 | 414 | 70 | 311 |
| 7 x 20 | 2.1 x 6.1 | 747 | 103 | 397 | 180 | 971 | 134 | 516 | 234 | 1,419 | 196 | 754 | 342 | 1,942 | 269 | 1,032 | 468 | 70 | 311 |
| 7 x 22 | 2.1 x 6.7 | 833 | 115 | 443 | 201 | 1,083 | 150 | 576 | 261 | 1,583 | 219 | 842 | 382 | 2,166 | 300 | 1,152 | 523 | 70 | 311 |
| 8 x 12 | 2.4 x 3.7 | 531 | 73 | 246 | 111 | 690 | 95 | 320 | 145 | 1,008 | 139 | 468 | 212 | 1,379 | 191 | 642 | 291 | 70 | 311 |
| 8 x 14 | 2.4 x 4.3 | 619 | 85 | 288 | 130 | 805 | 111 | 374 | 170 | 1,176 | 163 | 547 | 248 | 1,609 | 223 | 749 | 340 | 70 | 311 |
| 8 x 16 | 2.4 x 4.9 | 733 | 101 | 341 | 155 | 953 | 132 | 443 | 201 | 1,393 | 193 | 648 | 294 | 1,906 | 264 | 887 | 402 | 70 | 311 |
| 8 x 18 | 2.4 x 5.5 | 847 | 117 | 394 | 179 | 1,101 | 152 | 512 | 232 | 1,609 | 223 | 749 | 340 | 2,202 | 305 | 1,024 | 464 | 70 | 311 |
| 8 x 20 | 2.4 x 6.1 | 961 | 133 | 447 | 203 | 1,249 | 173 | 581 | 264 | 1,826 | 253 | 849 | 385 | 2,499 | 346 | 1,162 | 527 | 70 | 311 |
| 8 x 22 | 2.4 x 6.7 | 1,075 | 149 | 500 | 227 | 1,398 | 193 | 650 | 295 | 2,043 | 283 | 950 | 431 | 2,795 | 387 | 1,300 | 590 | 110 | 489 |
| 9 x 14 | 2.7 x 4.3 | 779 | 108 | 322 | 146 | 1,012 | 140 | 418 | 190 | 1,480 | 205 | 611 | 277 | 2,025 | 280 | 837 | 380 | 70 | 311 |
| 9 x 16 | 2.7 x 4.9 | 890 | 123 | 368 | 167 | 1,157 | 160 | 478 | 217 | 1,691 | 234 | 699 | 317 | 2,314 | 320 | 957 | 434 | 70 | 311 |
| 9 x 18 | 2.7 x 5.5 | 1,032 | 143 | 427 | 194 | 1,342 | 186 | 555 | 252 | 1,961 | 271 | 811 | 368 | 2,683 | 371 | 1,110 | 503 | 70 | 311 |
| 9 x 20 | 2.7 x 6.1 | 1,175 | 163 | 486 | 220 | 1,528 | 211 | 632 | 287 | 2,233 | 309 | 923 | 419 | 3,055 | 423 | 1,264 | 573 | 110 | 489 |
| 9 x 22 | 2.7 x 6.7 | 1,318 | 182 | 545 | 247 | 1,713 | 237 | 709 | 322 | 2,504 | 346 | 1,036 | 470 | 3,427 | 474 | 1,417 | 643 | 110 | 489 |
| 10 x 16 | 3.0 x 4.9 | 1,081 | 150 | 402 | 182 | 1,405 | 194 | 523 | 237 | 2,054 | 284 | 764 | 347 | 2,811 | 389 | 1,045 | 474 | 70 | 311 |
| 10 x 18 | 3.0 x 5.5 | 1,258 | 174 | 468 | 212 | 1,635 | 226 | 608 | 276 | 2,390 | 331 | 889 | 403 | 3,271 | 452 | 1,217 | 552 | 70 | 311 |
| 10 x 20 | 3.0 x 6.1 | 1,435 | 198 | 534 | 242 | 1,866 | 258 | 694 | 315 | 2,727 | 377 | 1,015 | 460 | 3,731 | 516 | 1,388 | 630 | 110 | 489 |
| 10 x 22 | 3.0 x 6.7 | 1,612 | 223 | 600 | 272 | 2,096 | 290 | 780 | 354 | 3,063 | 424 | 1,140 | 517 | 4,191 | 580 | 1,560 | 708 | 110 | 489 |
| 10 x 24 | 3.0 x 7.3 | 1,811 | 250 | 674 | 306 | 2,286 | 316 | 850 | 386 | 3,341 | 462 | 1,244 | 564 | 4,572 | 632 | 1,702 | 772 | 110 | 489 |
| 11 x 18 | 3.4 x 5.5 | 1,482 | 219 | 501 | 265 | 1,927 | 267 | 651 | 295 | 2,816 | 389 | 952 | 432 | 3,853 | 533 | 1,303 | 591 | 110 | 489 |
| 11 x 20 | 3.4 x 6.1 | 1,696 | 241 | 573 | 279 | 2,141 | 296 | 745 | 338 | 3,223 | 446 | 1,090 | 494 | 4,410 | 610 | 1,491 | 676 | 110 | 489 |
| 11 x 22 | 3.4 x 6.7 | 1,910 | 264 | 646 | 293 | 2,483 | 343 | 840 | 381 | 3,629 | 502 | 1,227 | 557 | 4,966 | 687 | 1,680 | 762 | 110 | 489 |
| 11 x 24 | 3.4 x 7.3 | 2,083 | 288 | 704 | 319 | 2,709 | 375 | 916 | 415 | 3,959 | 548 | 1,338 | 607 | 5,418 | 749 | 1,832 | 831 | 110 | 489 |
| 12 x 20 | 3.7 x 6.1 | 2,163 | 299 | 708 | 321 | 2,812 | 389 | 920 | 417 | 4,109 | 568 | 1,346 | 611 | 5,623 | 778 | 1,841 | 835 | 110 | 489 |
| 12 x 24 | 3.7 x 7.3 | 2,595 | 358 | 850 | 385 | 3,374 | 467 | 1,105 | 501 | 4,931 | 682 | 1,615 | 733 | 6,747 | 933 | 2,210 | 1,002 | 110 | 489 |
| 13 x 26 | 4.0 x 7.9 | 3,240 | 448 | 985 | 447 | 4,212 | 583 | 1,281 | 581 | 6,156 | 851 | 1,872 | 849 | 8,424 | 1,165 | 2,561 | 1,162 | 110 | 489 |
| 14 x 28 | 4.3 x 8.5 | 4,000 | 553 | 1,130 | 513 | 5,200 | 719 | 1,469 | 665 | 7,600 | 1,051 | 2,147 | 974 | 10,400 | 1,438 | 2,938 | 1,333 | 110 | 489 |

* Actual values for above sizes may vary +/- 15% due to variations in materials, speed of compression, temperatures and tolerances. Performance based on 60% compression.