TABmarine

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# Pneumatic fender









All information shown and mentioned on this sheet are for reference only, technical drawings will be submitted at order.

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**Table 1 - Pneumatic 50 fender size and performance requirements**

| Nominal size Diameter x length mm | Initial internal pressure kpa | Guaranteed energy absorption (GEA) | Reaction force at GEA deflection (RF) | Hull pressure (internal pressure) at GEA deflection (P) | Safety Valve Setting kPa | Testing Pressure kPa |
|---|---|---|---|---|---|---|
| | | Minimum value at deflection 60 ± 5% kNm | Tolerance ±10 % kN | Reference value kPa | | |
| 500x1000 | 50 | 6 | 64 | 132 | - | 200 |
| 600x1000 | 50 | 8 | 74 | 126 | - | 200 |
| 700x1500 | 50 | 17 | 137 | 135 | - | 200 |
| 1000x1500 | 50 | 32 | 182 | 122 | - | 200 |
| 1000x2000 | 50 | 45 | 257 | 132 | - | 200 |
| 1200x2000 | 50 | 63 | 297 | 126 | - | 200 |
| 1350x2500 | 50 | 102 | 427 | 130 | - | 200 |
| 1500x3000 | 50 | 153 | 579 | 132 | - | 200 |
| 1700x3000 | 50 | 191 | 639 | 128 | - | 200 |
| 2000x3500 | 50 | 308 | 875 | 128 | - | 200 |
| 2500x4000 | 50 | 663 | 1381 | 137 | 175 | 250 |
| 2500x5500 | 50 | 943 | 2019 | 148 | 175 | 250 |
| 3300x4500 | 50 | 1175 | 1884 | 130 | 175 | 250 |
| 3300x6500 | 50 | 1814 | 3015 | 146 | 175 | 250 |
| 3300x10600 | 50 | 3067 | 5257 | 158 | 175 | 250 |
| 4500x9000 | 50 | 4742 | 5747 | 146 | 175 | 250 |
| 4500x12000 | 50 | 6473 | 7984 | 154 | 175 | 250 |

**Table 2 - Pneumatic 80 fender size and performance requirements**

| Nominal size Diameter x length mm | Initial internal pressure kpa | Guaranteed energy absorption (GEA) | Reaction force at GEA deflection (RF) | Hull pressure (internal pressure) at GEA deflection (P) | Safety Valve Setting kPa | Testing Pressure kPa |
|---|---|---|---|---|---|---|
| | | Minimum value at deflection 60 ± 5% kNm | Tolerance± 10 % kN | Reference value kPa | | |
| 500x1000 | 80 | 8 | 85 | 174 | - | 200 |
| 600x1000 | 80 | 11 | 98 | 166 | - | 250 |
| 700x1500 | 80 | 24 | 180 | 177 | - | 250 |
| 1000x1500 | 80 | 45 | 239 | 160 | - | 250 |
| 1000x2000 | 80 | 63 | 338 | 174 | - | 250 |
| 1200x2000 | 80 | 88 | 390 | 166 | - | 250 |
| 1350x2500 | 80 | 142 | 561 | 170 | - | 250 |
| 1500x3000 | 80 | 214 | 761 | 174 | - | 250 |
| 1700x3000 | 80 | 267 | 840 | 168 | - | 250 |
| 2000x3500 | 80 | 430 | 1150 | 168 | - | 250 |
| 2500x4000 | 80 | 925 | 1815 | 180 | 230 | 300 |
| 2500x5500 | 80 | 1317 | 2653 | 195 | 230 | 300 |
| 3300x4500 | 80 | 1640 | 2476 | 171 | 230 | 300 |
| 3300x6500 | 80 | 2532 | 3961 | 191 | 230 | 300 |
| 3300x10600 | 80 | 4281 | 6907 | 208 | 230 | 300 |
| 4500x9000 | 80 | 6633 | 7551 | 192 | 230 | 300 |
| 4500x12000 | 80 | 9037 | 10490 | 202 | 230 | 300 |

**Different fender sizes and performance requirements up on request.**

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