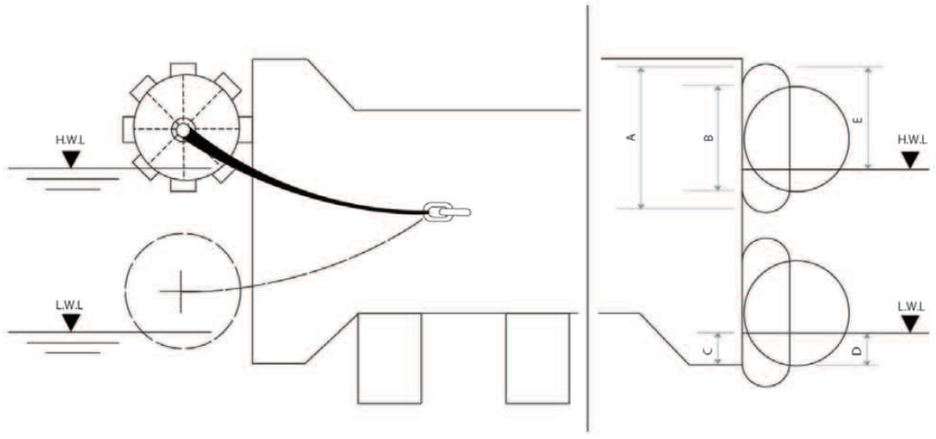
# Floating Fenders

## Pneumatic Fender, Foam Filled Fender

Unlike the General rubber fender using the elasticity of rubber, this one utilizes the compressibility and elasticity of air. Therefore, the shock absorption rate is substantially upgraded. Foam filled fenders are buoyant, and they do their job at best possible position without being affected by tides. Moreover they are much lighter and easier to handle than the conventional solid rubber models due to their hollow construction.




(Unit : mm)

| Size | A | B | C | D | E |
|---|---|---|---|---|---|
| 1000×1500L | 1340 | 940 | 460 | 410 | 760 |
| 1200×2000L | 1610 | 1130 | 410 | 380 | 1025 |
| 1500×2500L | 2020 | 1420 | 440 | 410 | 1350 |
| 2000×3500L | 2690 | 1890 | 490 | 460 | 1885 |
| 2500×4000L | 3360 | 2360 | 520 | 500 | 2430 |
| 3300×6500L | 4430 | 3110 | 580 | 580 | 3285 |



Floating Fenders

### • Pneumatic Fender Performance Table

(Unit : mm)

| Diameter | 300 | | 500 | | 800 | | 1000 | | 1200 | | 1350 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Length | 500 | 600 | 800 | 1000 | 1200 | 1500 | 1500 | 3000 | 1800 | 2000 | 2500 |
| Initial Inner Pressure of 0.3 kg/㎠ | | | | | | | | | | | |
| R·F(ton) | 2.0 | 2.4 | 5.4 | 6.8 | 13.0 | 17.0 | 20.0 | 27.0 | 30.0 | 33.0 | 45.0 |
| E·A(ton-m) | 0.1 | 0.1 | 0.4 | 0.5 | 1.6 | 2.0 | 3.2 | 4.2 | 5.5 | 6.0 | 10.1 |
| Initial Inner Pressure of 0.5 kg/㎠ | | | | | | | | | | | |
| R·F(ton) | 2.3 | 2.4 | 6.0 | 7.5 | 14.4 | 19.0 | 22.6 | 30.1 | 32.6 | 36.1 | 50.6 |
| E·A(ton-m) | 0.13 | 0.15 | 0.58 | 0.73 | 2.20 | 2.80 | 4.1 | 5.5 | 7.1 | 7.9 | 12.7 |
| Initial Inner Pressure of 0.8 kg/㎠ | | | | | | | | | | | |
| R·F(ton) | 3.0 | 3.6 | 8.0 | 10.0 | 19.1 | 24.0 | 28.6 | 38.1 | 41.2 | 45.8 | 64.4 |
| E·A(ton-m) | 0.1 | 0.2 | 0.7 | 0.9 | 2.8 | 3.5 | 5.3 | 7.1 | 9.2 | 10.3 | 16.3 |

(Unit : mm)

| Diameter | 1500 | | 2000 | | | 2500 | | 3000 | 3300 | | | 4500 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Length | 2500 | 3000 | 3000 | 3500 | 6000 | 4000 | 5500 | 5000 | 4500 | 6500 | 10600 | 7000 | 9000 |
| Initial Inner Pressure of 0.3 kg/㎠ | | | | | | | | | | | | | |
| R·F(ton) | 51.0 | 60.0 | 81.4 | 95.0 | 162.9 | 130.0 | 178.8 | 200.0 | 208.0 | 300.0 | 485.0 | 419.0 | 540.0 |
| E·A(ton-m) | 12.0 | 14.0 | 24.0 | 28.0 | 48.0 | 50.0 | 68.8 | 100.0 | 104.0 | 150.0 | 242.0 | 302.0 | 388.0 |
| Initial Inner Pressure of 0.5 kg/㎠ | | | | | | | | | | | | | |
| R·F(ton) | 56.5 | 67.1 | 90.0 | 105.0 | 180.0 | 151.0 | 207.6 | 225.0 | 224.0 | 353.0 | 527.0 | 475.0 | 612.0 |
| E·A(ton-m) | 15.5 | 18.6 | 33.0 | 38.5 | 66.0 | 68.8 | 94.6 | 125.0 | 135.0 | 195.0 | 318.0 | 389.0 | 505.0 |
| Initial Inner Pressure of 0.8 kg/㎠ | | | | | | | | | | | | | |
| R·F(ton) | 71.1 | 85.3 | 114.4 | 134.0 | 229.0 | 190.0 | 190.0 | 284.0 | 282.0 | 407.0 | 663.0 | 598.0 | 769.0 |
| E·A(ton-m) | 20.0 | 24.0 | 43.0 | 50.1 | 85.9 | 88.9 | 88.9 | 160.0 | 174.0 | 252.0 | 411.0 | 504.0 | 648.0 |

R·F : Reaction Force(ton)  E·A : Energy Absorption(ton·m)  Tolerance : ±10%  Deflection : 60%