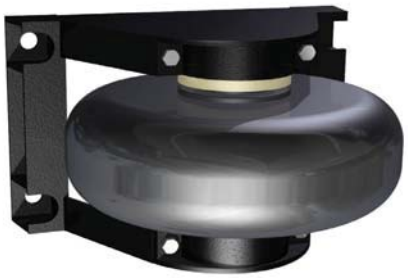
PortsuppliersGroup

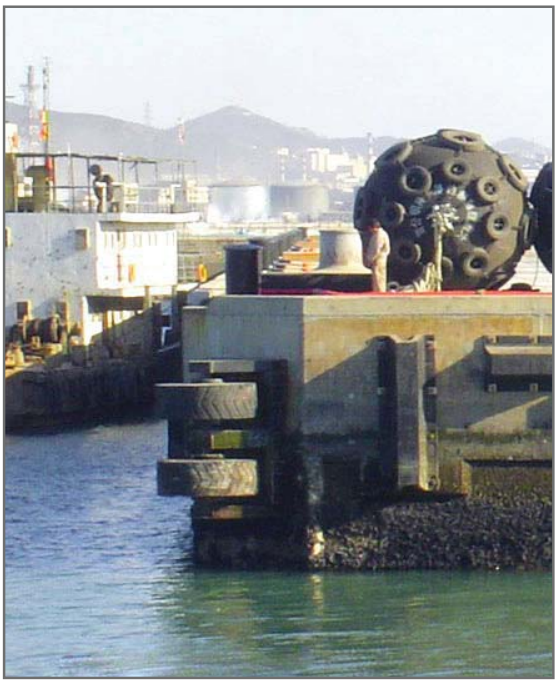
# Roller Fenders

**PsG Roller fenders help vessels manoeuvre into berths & narrow channels.This type of fender are often used at dry dock entrances and lock approches.**

Key performance characteristics include:

- Low reaction force and high energy absorption.
- The performance of fender is not affected by the loading and sloping of the ship.
- Suitable for all kinds of harbours.
- The fender is installed on a fixed axle supported by a shaft frame so that it can rotate with the axle.





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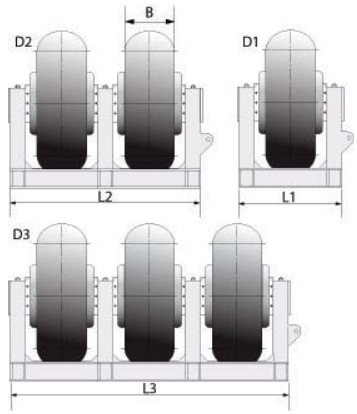
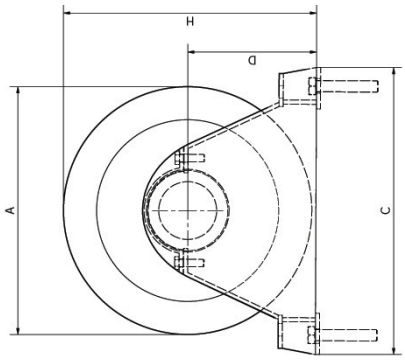


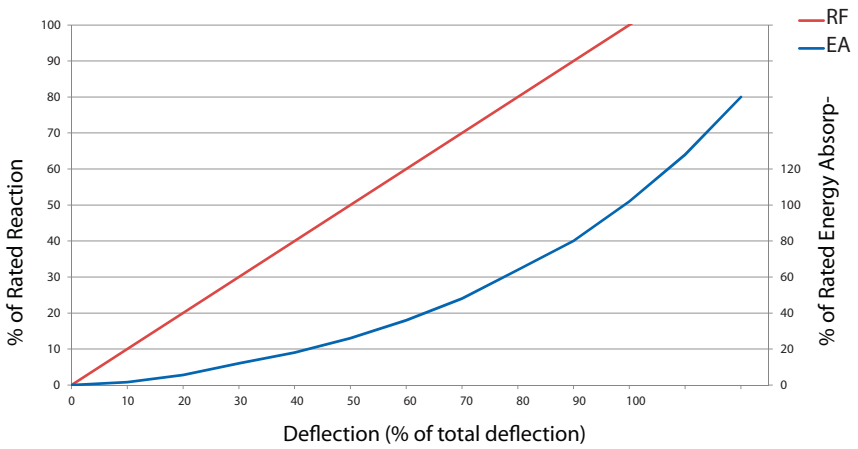




| Dimensions A ×B (mm) | D1 | | | | | | | D2 | | D3 | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | L1 | H | weight | L2 | weight | L3 | weight | |
| 600 × 200 | 600 | 200 | 695 | 320 | 420 | 620 | 127 | 770 | 245 | 1120 | 365 | Products of other sizes can be manufactured upon user's request. |
| 750 × 250 | 750 | 250 | 870 | 400 | 510 | 775 | 249 | 935 | 501 | 1360 | 735 | |
| 900 × 300 | 900 | 300 | 1040 | 480 | 610 | 930 | 465 | 1120 | 878 | 1630 | 1291 | |
| 1200 × 400 | 1200 | 400 | 1380 | 640 | 820 | 1240 | 1045 | 1500 | 2041 | 2180 | 3005 | |
| 1500 × 500 | 1500 | 500 | 1740 | 800 | 1010 | 1550 | 2011 | 1850 | 3915 | 2690 | 5784 | |
| 1800 × 600 | 1800 | 600 | 2080 | 960 | 1210 | 1860 | 3441 | 2215 | 6701 | 3220 | 9891 | |
| 2100 × 700 | 2100 | 700 | 2440 | 1155 | 1410 | 2205 | 5610 | 2590 | 10925 | 3770 | 15895 | |
| 2400 × 800 | 2400 | 800 | 2770 | 1280 | 1610 | 2480 | 8115 | 2950 | 15701 | 4290 | 23300 | |
| 2700 × 900 | 2700 | 900 | 3130 | 1440 | 1810 | 2790 | 11596 | - | - | - | - | |
| 3000 × 1000 | 3000 | 1000 | 3480 | 1600 | 2010 | 3100 | 16010 | - | - | - | - | |

unit: mm

# Roller Fenders

Generic performance curve




**Performance values**

| Dimensions A × B (mm) | Max. deflection | D1 | | D2 | | D3 | | Tolerance |
|---|---|---|---|---|---|---|---|---|
| | | RF (KN) | EA (KJ) | RF (KN) | EA (KJ) | RF (KN) | EA (KJ) | |
| 600× 200 | 125 | 67 | 2 | 134 | 5 | 202 | 7 | |
| 750× 250 | 159 | 105 | 5 | 210 | 9 | 315 | 14 | |
| 900× 300 | 185 | 151 | 8 | 302 | 16 | 453 | 24 | |
| 1200× 400 | 260 | 269 | 19 | 539 | 39 | 814 | 58 | |
| 1500× 500 | 325 | 419 | 38 | 843 | 76 | 1264 | 113 | ± 10 % |
| 1800× 600 | 390 | 608 | 65 | 1215 | 130 | 1823 | 196 | |
| 2100× 700 | 455 | 823 | 102 | 1647 | 204 | 2470 | 306 | |
| 2400× 800 | 510 | 1108 | 140 | 2156 | 280 | 3234 | 420 | |
| 2700× 900 | 578 | 1362 | 220 | 2724 | 439 | 4087 | 659 | |
| 3000× 1000 | 640 | 1676 | 302 | 3352 | 604 | 5027 | 906 | |

RF=Reaction force EA= Energyabsorption