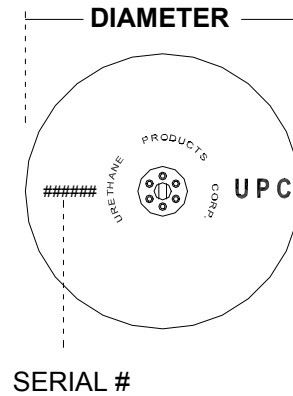
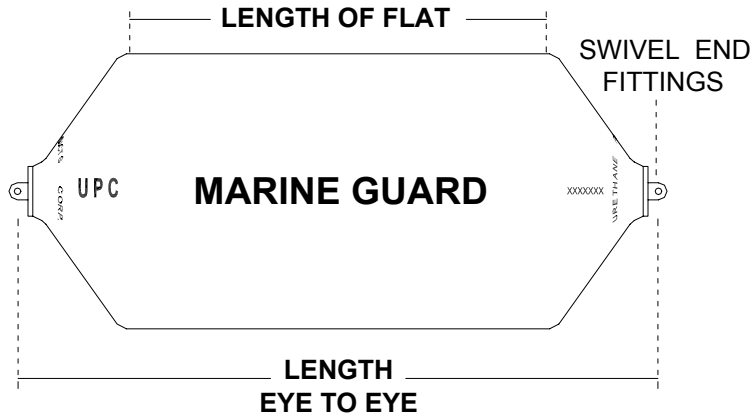




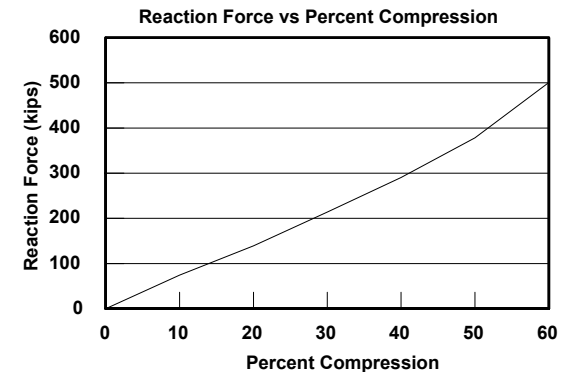
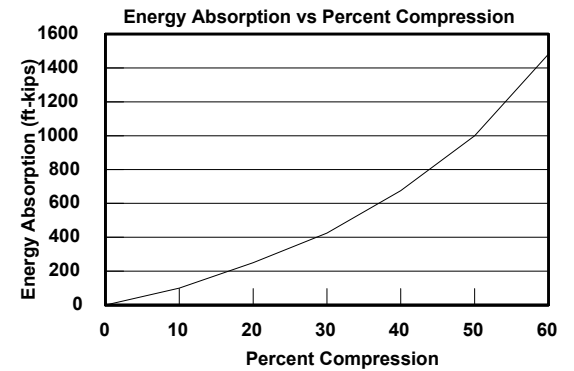
# MARINE GUARD™ Foam Filled Fenders

## 11.0 ft (3.4 m) Diameter x 18.0 ft (5.5 m) Long

### Standard Capacity



11.0 Ft. DIAMETER x 18.0 Ft. LONG	English	Metric
<b>PERFORMANCE* (AT 60% COMPRESSION)</b>		
Energy absorption, ft-kip (ton-m)	1,482	219
Reaction force, kip (ton)	501	265
<b>DIMENSIONS AND WEIGHT</b>		
Diameter, ft (m)	11.0	3.4
Length eye-to-eye, ft (m)	18.0	5.5
Length of flat, ft (m)	10.5	3.2
Skin thickness, in (mm)	1.5	38
Weight, lb. (kg)	9,950	4,515
Cube, ft <sup>3</sup> (m <sup>3</sup> )	2,300	65
<b>TECHNICAL DATA</b>		
Standoff distance:		
Maximum, ft (m)	11.0	3.4
At 60% compression, ft (m)	4.4	1.3
Safe working end-pull load, kip (kN)	110	489
<b>FOOTPRINT (AT 60% COMPRESSION)</b>		
Maximum width, ft (m)	13.8	4.2
Maximum length, ft (m)	12.6	3.8
Area, ft <sup>2</sup> (m <sup>2</sup> )	161	14.9
<b>RECOMMENDED SIZES OF MOUNTING HARDWARE</b>		
Chain, in (mm)	2.50	64
Shackles, in (mm)	2.50	64
Swivels, in (mm)	2.50	64



\*Above information is for our Standard Capacity *Marine Guard*™ foam filled marine fenders. Actual values for all sizes may vary plus or minus 15% from stated values due to variations in material properties, dimensional tolerances, temperature and speed of compression.