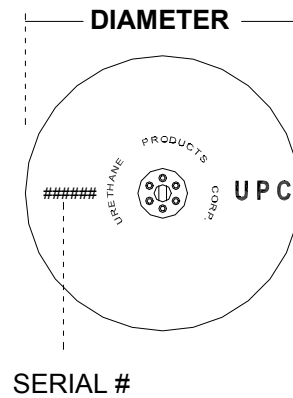
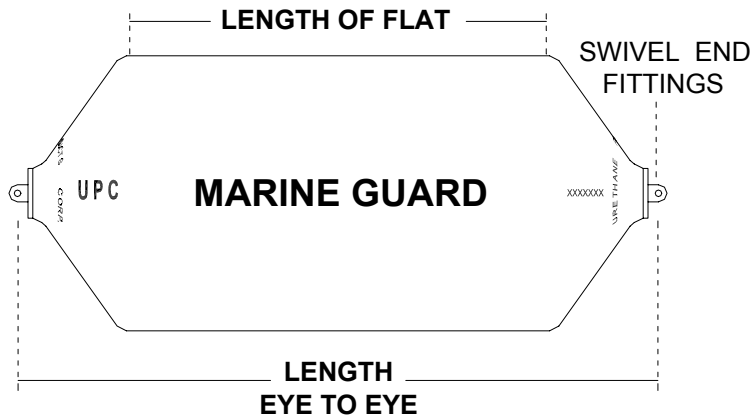




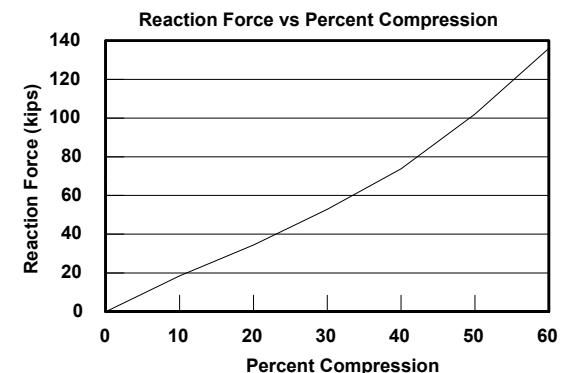
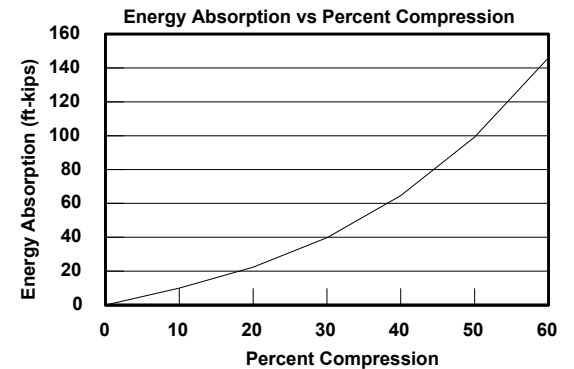
# MARINE GUARD™ Foam Filled Fenders

## 4.0 ft (1.2 m) Diameter x 12.0 ft (3.7 m) Long

### Standard Capacity



4.0 Ft. DIAMETER x 12.0 Ft. LONG	English	Metric
<b>PERFORMANCE* (AT 60% COMPRESSION)</b>		
Energy absorption, ft-kip (ton-m)	146	20
Reaction force, kip (ton)	136	62
<b>DIMENSIONS AND WEIGHT</b>		
Diameter, ft (m)	4.0	1.2
Length eye-to-eye, ft (m)	12.0	3.7
Length of flat, ft (m)	8.7	2.7
Skin thickness, in (mm)	1.0	25
Weight, lb. (kg)	1,450	660
Cube, ft <sup>3</sup> (m <sup>3</sup> )	213	6.0
<b>TECHNICAL DATA</b>		
Standoff distance:		
Maximum, ft (m)	4.0	1.2
At 60% compression, ft (m)	1.6	0.5
Safe working end-pull load, kip (kN)	24	107
<b>FOOTPRINT (AT 60% COMPRESSION)</b>		
Maximum width, ft (m)	5.0	1.5
Maximum length, ft (m)	10.0	3.0
Area, ft <sup>2</sup> (m <sup>2</sup> )	37.8	3.5
<b>RECOMMENDED SIZES OF MOUNTING HARDWARE</b>		
Chain, in (mm)	1.25	32
Shackles, in (mm)	1.25	32
Swivels, in (mm)	1.25	32



\*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.