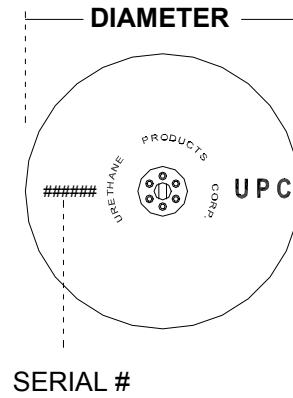
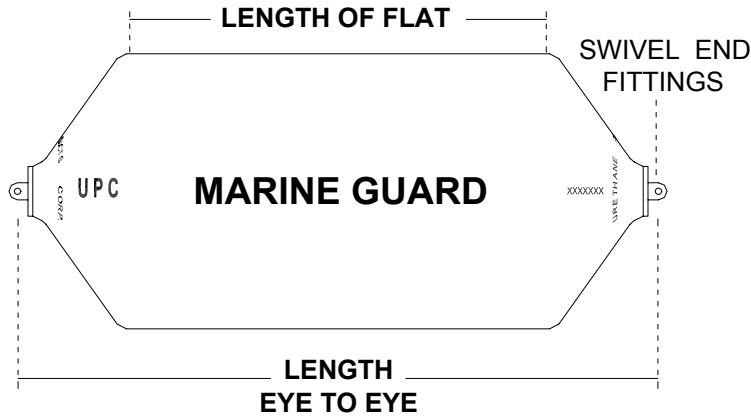




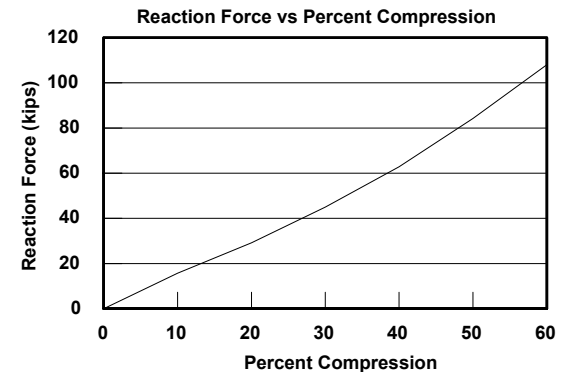
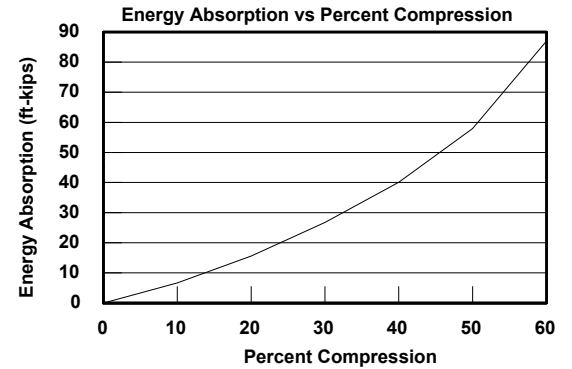
# MARINE GUARD™ Foam Filled Fenders

## 3.0 ft (0.9 m) Diameter x 12.0 ft (3.7 m) Long

### Standard Capacity



3.0 Ft. DIAMETER x 12.0 Ft. LONG	English	Metric
<b>PERFORMANCE* (AT 60% COMPRESSION)</b>		
Energy absorption, ft-kip (ton-m)	87	12
Reaction force, kip (ton)	108	49
<b>DIMENSIONS AND WEIGHT</b>		
Diameter, ft (m)	3.0	0.9
Length eye-to-eye, ft (m)	12.0	3.7
Length of flat, ft (m)	9.2	2.8
Skin thickness, in (mm)	0.88	22
Weight, lb. (kg)	860	390
Cube, ft <sup>3</sup> (m <sup>3</sup> )	120	3.4
<b>TECHNICAL DATA</b>		
Standoff distance:		
Maximum, ft (m)	3.0	0.9
At 60% compression, ft (m)	1.2	0.4
Safe working end-pull load, kip (kN)	17	76
<b>FOOTPRINT (AT 60% COMPRESSION)</b>		
Maximum width, ft (m)	3.8	1.2
Maximum length, ft (m)	10.7	3.3
Area, ft <sup>2</sup> (m <sup>2</sup> )	30.0	2.8
<b>RECOMMENDED SIZES OF MOUNTING HARDWARE</b>		
Chain, in (mm)	1.00	25
Shackles, in (mm)	1.00	25
Swivels, in (mm)	1.00	25



\*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.