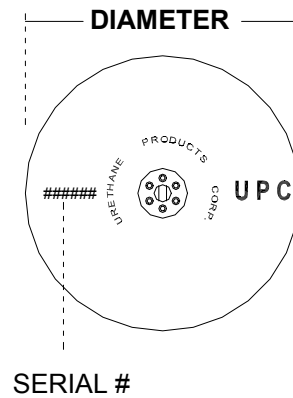
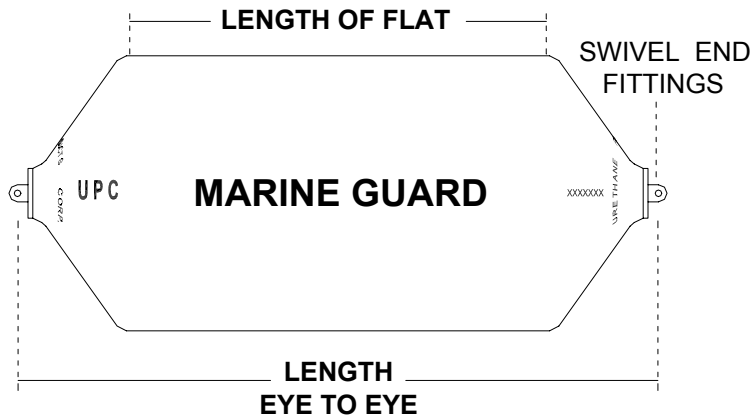




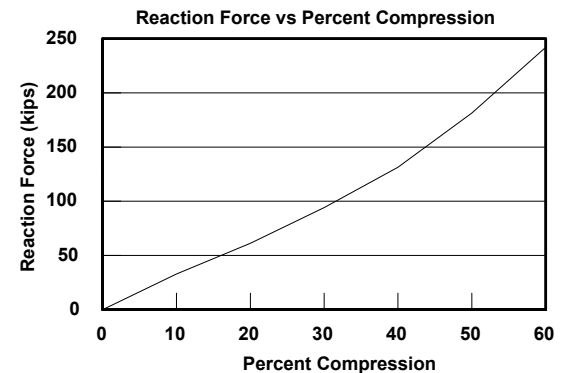
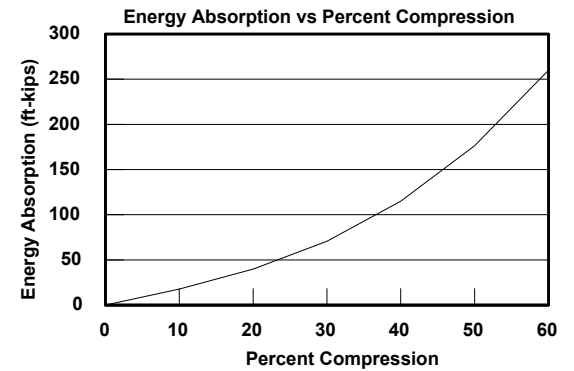
MARINE GUARD™ Foam Filled Fenders

4.0 ft (1.2 m) Diameter x 20.0 ft (6.1 m) Long

Standard Capacity



4.0 Ft. DIAMETER x 20.0 Ft. LONG	English	Metric
PERFORMANCE* (AT 60% COMPRESSION)		
Energy absorption, ft-kip (ton-m)	260	36
Reaction force, kip (ton)	242	110
DIMENSIONS AND WEIGHT		
Diameter, ft (m)	4.0	1.2
Length eye-to-eye, ft (m)	20.0	6.1
Length of flat, ft (m)	16.7	5.1
Skin thickness, in (mm)	1.25	32
Weight, lb. (kg)	3,000	1,360
Cube, ft ³ (m ³)	335	9.5
TECHNICAL DATA		
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)	34	151
FOOTPRINT (AT 60% COMPRESSION)		
Maximum width, ft (m)	5.0	1.5
Maximum length, ft (m)	18.0	5.5
Area, ft ² (m ²)	67.2	6.2
RECOMMENDED SIZES OF MOUNTING HARDWARE		
Chain, in (mm)	1.50	38
Shackles, in (mm)	1.50	38
Swivels, in (mm)	1.50	38



*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.