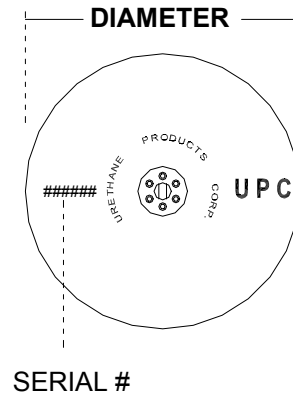
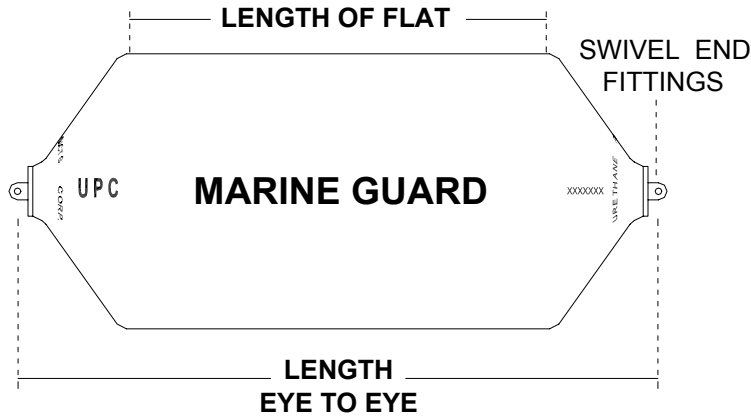




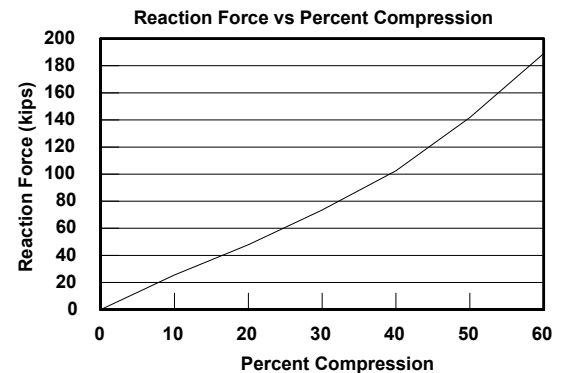
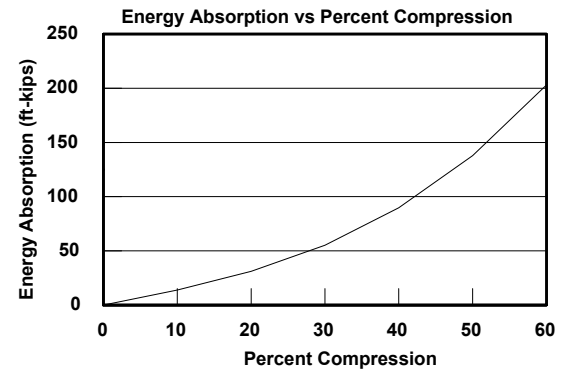
MARINE GUARD™ Foam Filled Fenders

4.0 ft (1.2 m) Diameter x 16.0 ft (4.9 m) Long

Standard Capacity



4.0 Ft. DIAMETER x 16.0 Ft. LONG	English	Metric
PERFORMANCE* (AT 60% COMPRESSION)		
Energy absorption, ft-kip (ton-m)	203	28
Reaction force, kip (ton)	189	86
DIMENSIONS AND WEIGHT		
Diameter, ft (m)	4.0	1.2
Length eye-to-eye, ft (m)	16.0	4.9
Length of flat, ft (m)	12.7	3.9
Skin thickness, in (mm)	1.25	32
Weight, lb. (kg)	2,400	1,090
Cube, ft ³ (m ³)	283	8.9
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)	14.0	4.3
Area, ft ² (m ²)	52.5	4.9
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.