

OCEAN GUARD™ Resilient Dredge Floats

The innovative OCEAN GUARD™ resilient dredge floats utilizes Marine Fenders International's tough and proven fendering technology to the dredge market. With the latest in polymer technology OCEAN GUARD™ resilient dredge floats solve the problems associated with fiber or plastic slip-on or clamp on dredge floats. Our buoyant, impact absorbing technology provides a tough reliable solution for the most demanding dredging operations.

PERFORMANCE FEATURES

ONE PIECE - SLIP ON DESIGN

OCEAN GUARD™ resilient dredge floats are designed and constructed for easy installation. Their one piece construction eliminates the risk of loosing or maintaining parts during use.

HIGH BUOYANCY

The resilient closed cell foam core construction of OCEAN GUARD™ resilient dredge floats provide a highly buoyant float, with 59 lbs/ft³ or 950 kg/m³ net buoyancy.

IMPACT ABSORBING CONSTRUCTION

The resilient construction of OCEAN GUARD™ resilient dredge float is designed to absorb the impacts of vessels, equipment and debris. Constructed with the same tough proven technology as our OCEAN GUARD™ foam filled fenders, these floats will not crack, splinter or break as rotationally molded plastic and fiber or glass reinforced floats may upon impacts.

SIZES

Our innovative manufacturing process allows us to quickly and easily manufacture floats sized to our customers needs. Our engineering staff offers our customers a variety of size solutions which take into account, buoyancy requirements, inner pipe diameter, length, and outer float diameter. All these factors can vary depending on customers requirements.



LOW MAINTANANCE

OCEAN GUARD™ resilient dredge floats are designed for low maintenance use. There are no metal or non resilient components to its construction. Its impact absorbing low friction flexible 100% plastic construction reduces downtime and maintenance costs.



CONSTRUCTION FEATURES

INNER REINFORCED ELASTOMERIC SKIN

The inner layer construction consists of a low friction, abrasion resistant, tough, thick nylon filament tire cord reinforced elastomer skin. The reinforcing filaments are continuously wound in a helix pattern through up to 90 % of the elastomer skin greatly increasing wear characteristics such as tensile and tear strengths. The low friction design allows for rotation of the float and is corrosion resistant

FOAM CORE

The floating Ocean Guard™ resilient dredge floats are also constructed with a resilient energy absorbing 100% closed cell cross-linked polyethylene foam core which is heat laminated into a one piece, solid foam core. The same heat lamination process used in our Ocean Guard™ fenders, produces a thermal bond between the layers of foam which is stronger than the foam itself which, will not delaminate even under the most abusive berthing conditions.

OUTER REINFORCED ELASTOMERIC SKIN

The outer layer construction also consists of a low friction, tough, thick nylon filament tire cord reinforced elastomer skin which offers superior wear and impact characteristics. The reinforcing filaments are continuously wound in a helix pattern through up to 90 % of the elastomer skin. This continuous reinforcement of the elastomer skin greatly increases the tensile and tear strength of the skin. The elastomer skin is non-marking and highly resistant to environmental hazards such as ozone and ultra-violet radiation.

