

Seaflex®

The Environmental Mooring Solution

It's only natural that people are interested in buying a durable, technologically-advanced, environmentally-friendly product. The SEAFLEX system is designed with exactly this in mind.



30 years in rough conditions

SEAFLEX is an environmentally friendly elastic mooring system that secures pontoons and buoys in every ocean on the planet. The system is highly resistant to corrosion and does not damage sensitive ecosystems on the seabed. SEAFLEX moorings are unrivalled in their ability to safely and securely adjust with tides and wave motion. The unique design allows it to slowly elongate and return in a smooth, even movement. In conjunction with initial pre-tension, SEAFLEX moorings provide progressive resistance to wave-motion in both the vertical and lateral plane. Disturbing wakes in harbors and marinas are therefore largely negated, significantly reducing the risk of damage to moored boats.

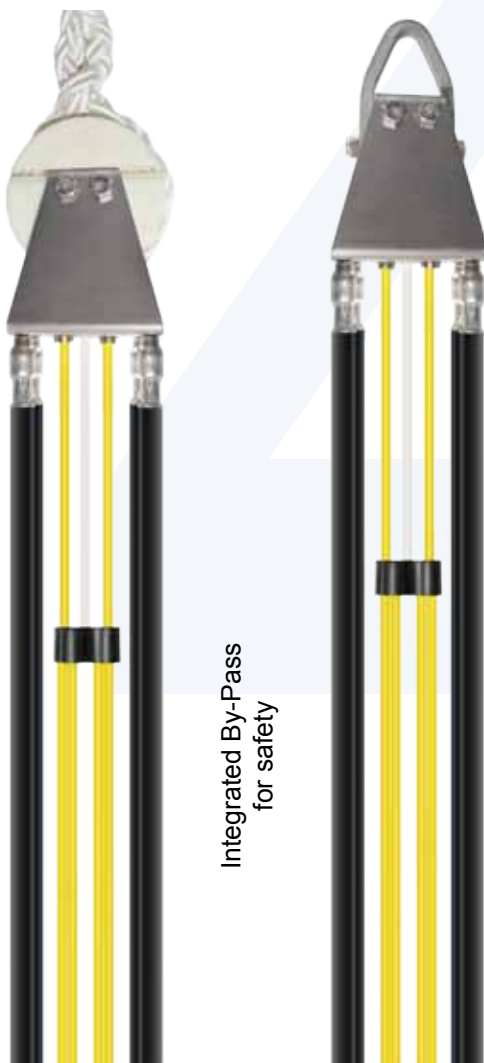
SEAFLEX moorings provide a flexible and secure solution trusted in all weather conditions. Navigation buoys moored with SEAFLEX do not change position to the same degree as chain moorings, a feature which greatly improves marine safety in narrow straits and in harbors. The system is one of the most reliable on the market, whether for complete marinas, breakwaters, buoys, free-floating docks or fish farms. SEAFLEX the environmental mooring solution, trusted to withstand the forces of nature without leaving any marks.

SEAFLEX Models

The length and quantity of SEAFLEX hawsers is custom made for each project. The quantity of hawsers depends on the forces involved and the length of the hawsers is determined by the water level variation and wave height. All SEAFLEX come with a By-Pass for safety, keeping the rubber from over-extension in situations where the forces are bigger than what was originally calculated for. Depending on anchoring methods etc, SEAFLEX uses different end attachments with a variety of combination possibilities.

Integrated Thimble
for rope

Integrated Shackle
for anchor



The Environment

All SEAFLEX moorings meet international standards for environmental protection. The moorings are made from the highest quality stainless steel, to offer the best protection against corrosion. SEAFLEX does not release other pollutants into marine ecosystems or drag along the seabed, which also helps limit any impact on the surroundings. This makes SEAFLEX particularly well-suited for use with mooring pontoons and buoys in sensitive areas, such as those near coral reefs, areas of marine flora and historic sites.

Technology

SEAFLEX provides secure moorings even under the worst weather conditions. The moorings are self-regulating according to variations in water level and are effective in all water depths. This flexibility ensures that moored pontoons are not exposed to unnecessary wear. Our choice of materials also guarantees a minimal risk of corrosion.

Quality

The size of each mooring is calculated based on the active forces with the help of our own software, JFlex. Factors crucial to these calculations are variations in water-level, wind, waves, current, depth and the total air resistance caused by boats. All of these calculations are freely available to the buyer. All interaction with our customers – from tenders to installations and support for the life of the product – follow structured processes and are fully documented.

Value for your Money

SEAFLEX requires substantially less maintenance than other mooring systems due to the fact that the system's components are exceptionally durable. Consider the difference compared with chains for example, where iron links must be replaced due to rust, wear and fatigue. Other advantages with SEAFLEX are low initial outlay, minimal transport weight, quick and easy installation, and a low cost per meter thanks to the integrated rope.