HEAVY-DUTY MARINE ALUMINIUM

FARO HD

GENERAL FEATURES

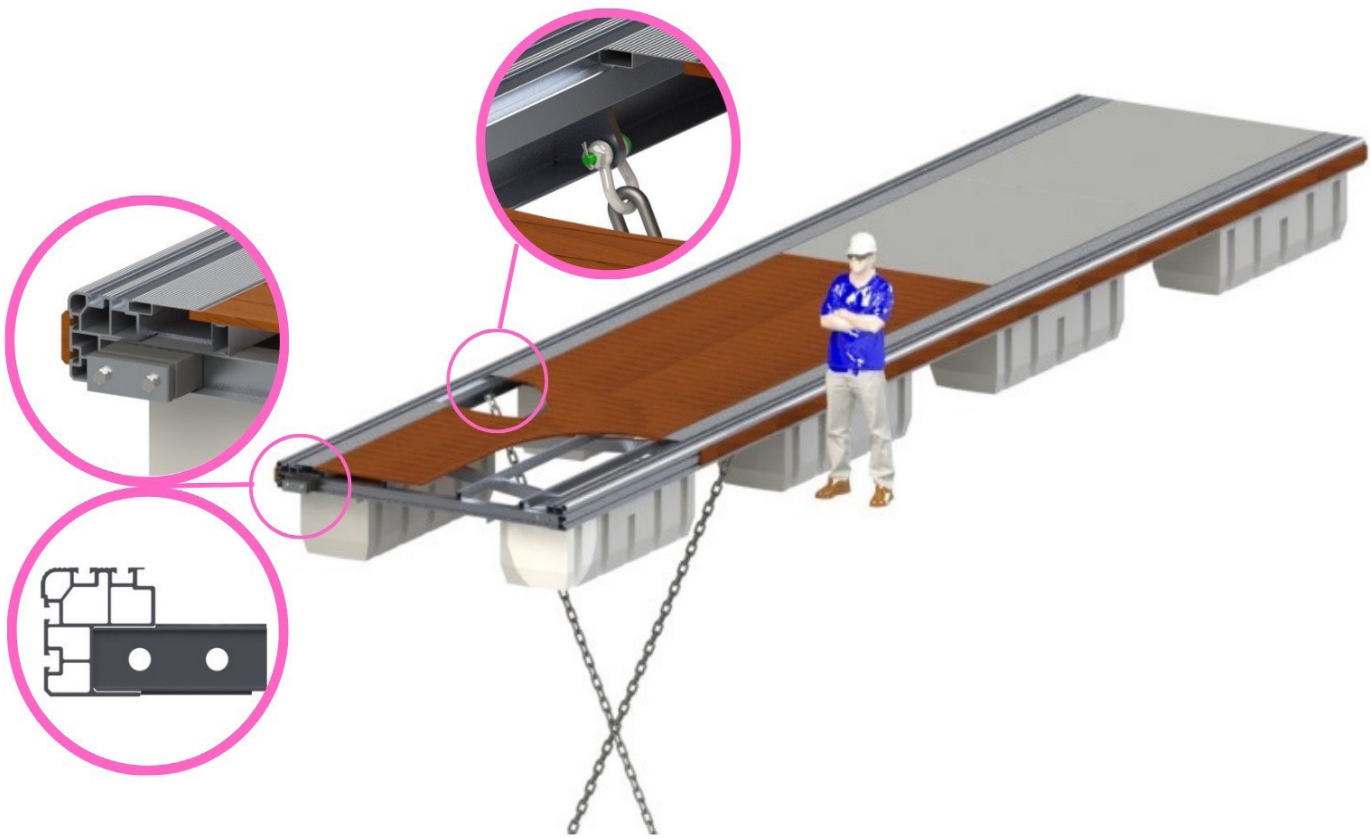
Structure	Frame with reinforced extension in marine aluminum alloy High corrosion resistance and attractive finish
Fenders	Rot-resistant exotic wood in composite
Flexibility	Universal adjustment along the pontoon dock that allows the fixing of other walkways, fingers, and accessories
Mooring systems	Piles, metal profiles, radius arms, chains, or elastic moorings
Services	Easy assembly and maintenance of the electricity and water piping system
Live load	Evenly distributed 2.0kN/m² on the surface between ducts
Accesories and options	In-built railing; Marine elastomer fenders; Higher overloads by additional flotation.

APPLICATIONS

- Berthing of medium-sized vessels in sheltered areas
- Maritime-tourist quays
- Fixed structures and bridge piers

The Faro HD system consists of floating equipment with a reinforced structure in marine aluminum alloy, and is used in berthing and mooring installations of vessels in semi-enclosed bays in places with adverse environmental conditions where corrosion is a critical factor.

The walkway is supplied with ducts on both sides, covered by anodized aluminum covers; optionally, these ducts can be equipped with PVC fender profiles or guttering.
It is characterized by its durability, corrosion resistance, and robustness.



TECHNICAL SPECIFICATIONS

Deck	Maintenance-free, rot-resistant exotic wood planks with minimum density of 1,100kg/m², non-slip, standard dimensions 145x21mm, planed and grooved, fixed with stainless steel screws; optional dimensions 110x21mm and 145x28mm; optional composite material and railings
Structure	Welded and bracketed in aluminum alloy type A6082-T6 and A6005-T5. Structure weight with 2.5m width: 65.3kg/m
Live load	Pontoons: standard overload of 2.0kN/m², optional 2.5kN/m², between ducts. Fingers: standard overload of 1.0kN/m².
Freeboard	500mm without load
Draft	400mm without load
Project parameters	Waves with a maximum significant height of 450mm Wind with peak speed 42m/s and average speed 22m/s Maximum side load of 0.75kN/m Maximum load on 75kN wedges Maximum distance between piles: 28m
Hulls	Pontoons: rotomolded polyethylene filled with expanded polystyrene; maintenance-free Fingers: rotomolded polyethylene filled with expanded polystyrene
Fasteners and fittings	Flexible and silent with elastomer blocks crossed by M24 stainless steel hex bolts, with nuts and section brakes