

# MARINE ALUMINIUM FARO, FARO+

## GENERAL FEATURES

<b>Structure</b>	Structure in marine aluminum alloy. High corrosion resistance and attractive finish
<b>Deck and fenders</b>	Exotic rot-resistant wood
<b>Flexibility</b>	Universal adjustment along the pontoon dock that allows the fixing of other walkways, fingers and accessories
<b>Mooring systems</b>	Piles, metal profiles, radius arms, chains, or elastic cords
<b>Services</b>	Easy assembly and maintenance of the electricity and water services network
<b>Live load</b>	Evenly distributed 1.5kN/m <sup>2</sup> on the surface between piping
<b>Accessories and options</b>	Marine elastomer fenders. In-built railings. Higher overloads by additional flotation.

## APPLICATIONS

- Sheltered sites in bays and estuaries
- Landings for pleasure crafts and yachts
- Private docks
- Areas with aggressive environmental conditions

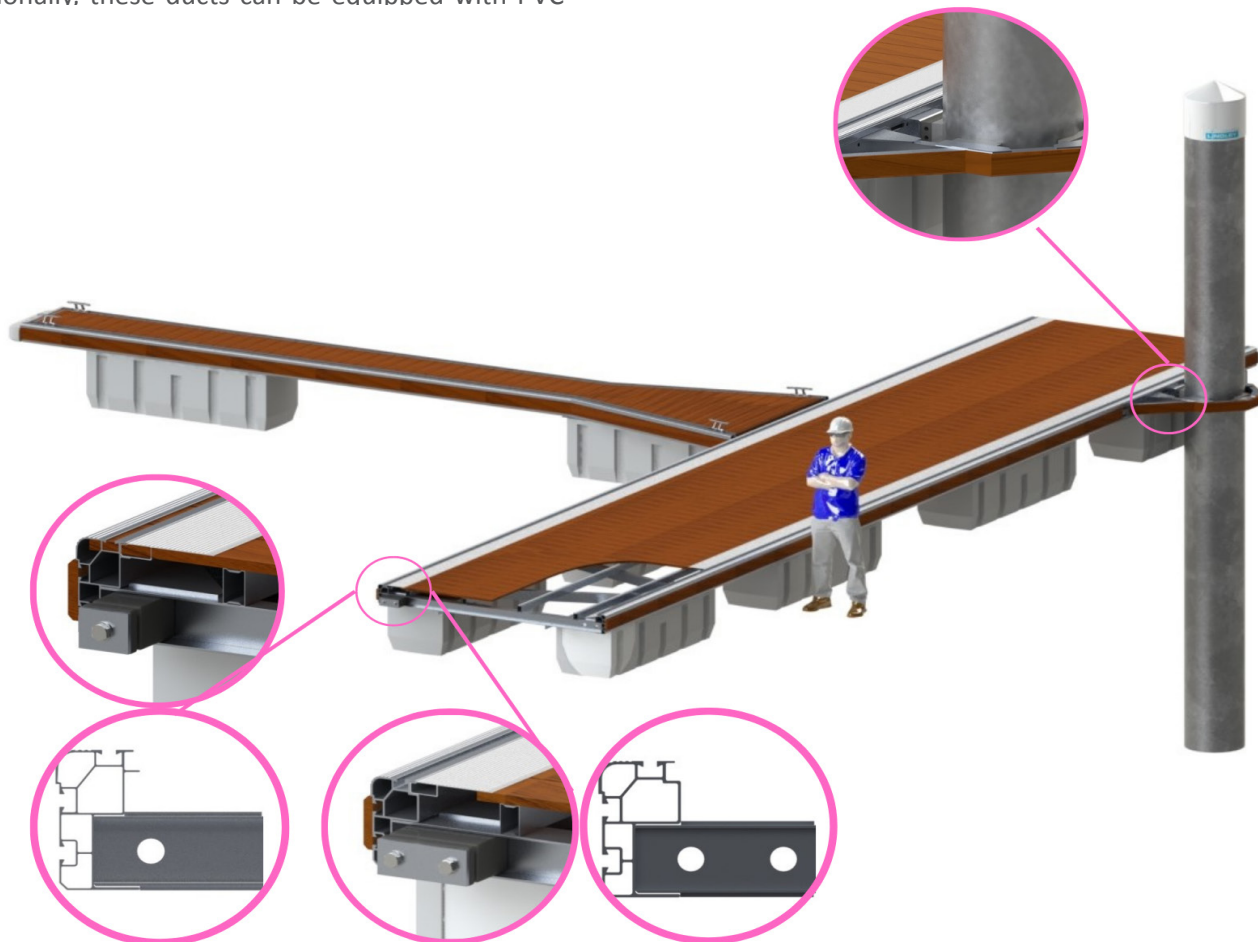


The Faro and Faro+ systems consist of floating pontoons with a special aluminum alloy profile structure composed of modular units.

The walkways are supplied with ducts on both sides, covered by anodized aluminum covers; optionally, these ducts can be equipped with PVC

fender profiles or guttering.

These systems are recommended for installations in sheltered places in bays and estuaries that are subject to lower stress. It is an easy-to-install, stable, flexible, and corrosion-resistant system.



## TECHNICAL SPECIFICATIONS

<b>Structures</b>	Welded and bracketed in A6082-T6 and A6005-T5 aluminum alloy. The Faro+ range has a reinforced structure and a more robust profile. Structure weight with 2,5m width: 34,4kg/m (Faro) and 45,6 kg/m (Faro+)
<b>Deck</b>	Maintenance-free, rot-resistant, exotic wood planks with minimum density of 1,100kg/m <sup>2</sup> , non-slip, standard dimensions 145x21mm, planed and grooved, fixed with stainless steel screws; optional dimensions 110x21mm and 145x28mm; optional composite material and railings
<b>Live load</b>	Pontoons: standard overload of 1.5kN/m <sup>2</sup> , between ducts. Fingers: standard overload of 1.0kN/m <sup>2</sup> .
<b>Freeboard</b>	500 mm without load
<b>Draft</b>	400 mm without load
<b>Project parameters</b>	Ripple with maximum significant height of 250mm (Faro) and 350mm (Faro+). Wind with peak speed of 40m/s and average speed of 20m/s, maximum lateral load of 0.25kN/m (Faro) and 0.50kN/m (Faro+). Maximum load on wedges of 25kN (Faro) and 50kN (Faro+). Maximum distance between piles: 20m (Faro) and 24m (Faro+)
<b>Hulls</b>	Pontoons: rotomolded polyethylene filled with expanded polystyrene; maintenance-free. Fingers: rotomolded polyethylene filled with expanded polystyrene
<b>Fasteners and fittings</b>	Flexible and silent with elastomer blocks crossed by M24 stainless steel hex bolts, with nuts and brakes.