

# GALVANIZED REINFORCED STEEL

## SAGRES HD

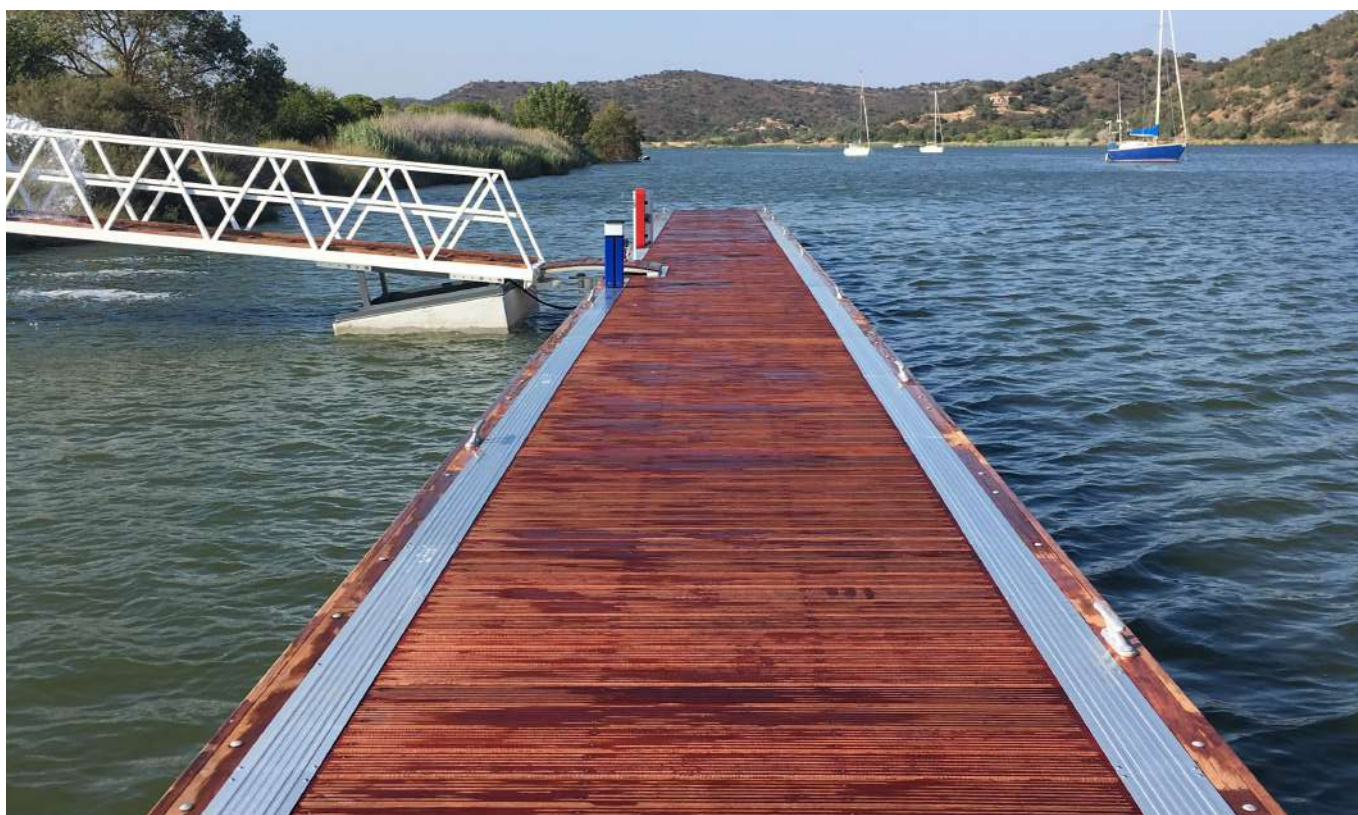
### GENERAL FEATURES

<b>Structure</b>	Reinforced structure in hot-dip galvanized steel
<b>Decks and fenders</b>	Exotic rot-resistant or composite 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 moorings
<b>Services</b>	Easy assembly and maintenance of the electricity and water piping systems
<b>Live load</b>	2.5kN/m <sup>2</sup> , evenly distributed on the surface between ducts

<b>Accessories and options</b>	Epoxy paint over galvanization; Ducts equipped with PVC fender profiles or guttering; Prepared for the installation of mooring bollards with a load capacity of up to 10 tons; Marine elastomer fenders; Higher overloads by additional flotation.
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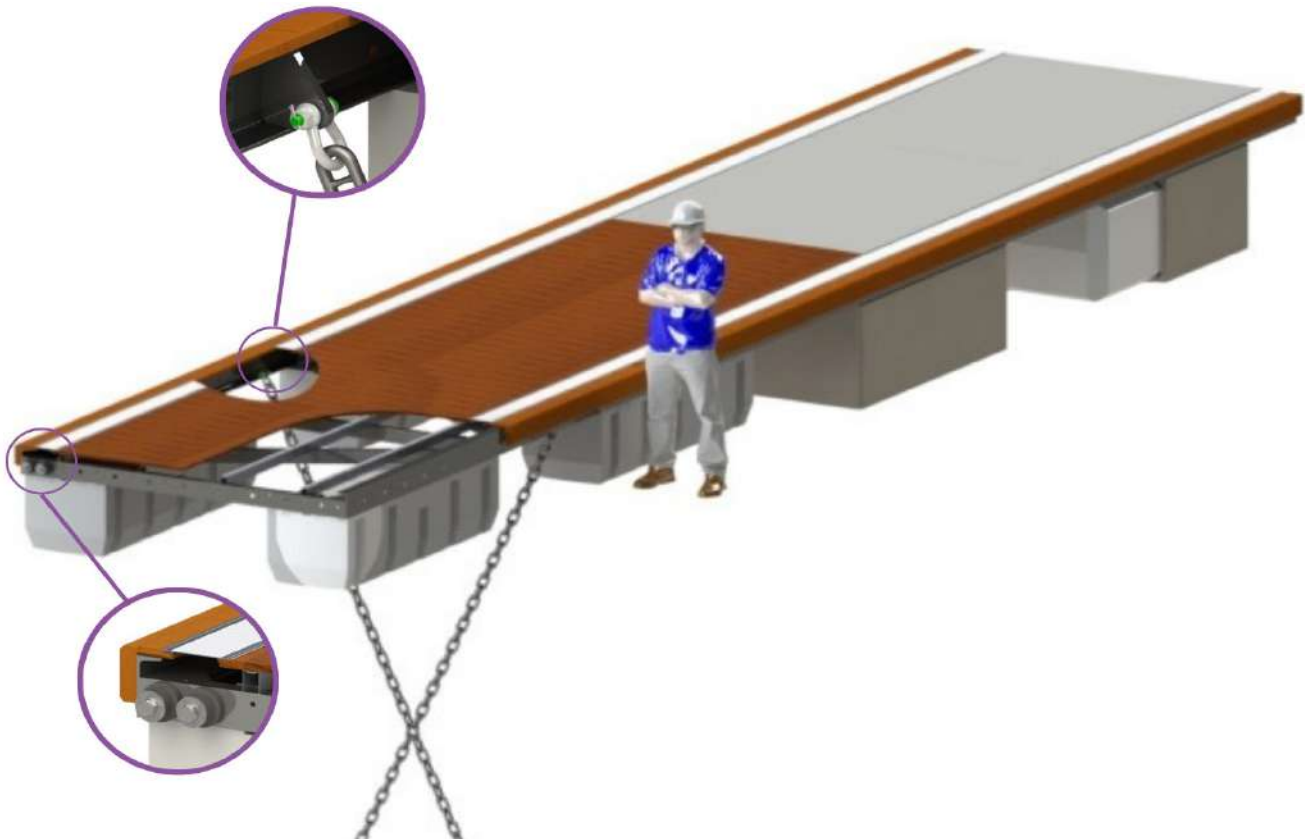
### APPLICATIONS

- Semi-exposed areas in bays and estuaries
- Quays for tourist and fishing boats
- Fueling docks
- Anchorages for heavy vessels
- Bridge piers



The Sagres HD system consists of floating pontoons with a reinforced structure with high resistance and overload capacity, available in various sizes and freeboards, with finishings in line with the PFC, Sagres and Faro ranges. The pontoons are supplied with piping on both sides, covered by anodized aluminum covers.

Sagres HD is a robust and stable modular system with a reinforced structure, with excellent behavior to alternating loads, which makes it ideal and resistant for places where loads are a critical factor due to wind and wave effect.



## TECHNICAL SPECIFICATIONS

<b>Structure</b>	Mild steel frame galvanized by immersion
<b>Deck</b>	Maintenance-free, rot-resistant exotic wood planks, with minimum density of 1,100kg/m <sup>2</sup> , 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 2.5kN/m <sup>2</sup> , optional 4.0kN/m <sup>2</sup>
<b>Freeboard</b>	550 mm without load
<b>Draft</b>	400 mm without load
<b>Project parameters</b>	Waves with a maximum significant height of 600mm Wind with peak speed of 47m/s and average speed of 25m/s Maximum side load of 2.5kN/m, Maximum distance between piles: 35m
<b>Hulls</b>	Expanded polystyrene coated with stainless steel reinforced concrete or rotomolded polyethylene filled with expanded polystyrene
<b>Fasteners and fittings</b>	Flexible with elastomer blocks crossed by M24 hexagonal bolts, nuts, and section brakes; with two or four bolts per connection between walkways; galvanized or stainless steel