

PRO:ZERO

FAST BOATS FOR PROFESSIONALS

Introducing the ProZero 7,5m SOLAS FRC MrK 3. The ProZero FRC showcases the trademark lightweight materials technology of Tuco Marine Group. Reliable, flexible and lightweight construction combined with full SOLAS compliance produces a boat which goes beyond the existing standards and adds a range of benefits for the end users.



PRE-OWNED

7,5M SOLAS FRC MRK3



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The ProZero FRC is a third-generation design built around the already well proven ProZero 7,5-meter Fast Rescue Boat. The first two iterations of the 7,5-metre FRC design have been developed and tested thoroughly during the ProZero development project for which Tuco received funding under the Horizon2020 SME Instrument programme. This development project ended in 2018, but Tuco Marine has continued to refine the project results.



The carbon fibre materials technology secures ultra-high levels of strength and durability at a very low structural weight. The vessel's design presents a very large deck area which will accommodate large payloads or up to 16 persons. The bow and fender configurations have been added for improved safety during transfer operations across the bow.

Typically, FRCs are deployed from motherships where it is crucial to have a balanced and easily operated lifting system. The 3rd generation ProZero FRC is delivered with a single-point hoisting system of the owner's choice.

As standard the FRC features a single water jet installation, but twin water jet installations are available upon request.

Tuco is planning to follow up on the 7,5m FRC platform with both smaller and larger siblings. 6,5 and 8,5 metre versions are planned in the near future. Demonstrators are available for testing at request.

With the ProZero series, Tuco Marine Group offers custom designs. Everything is built in strict accordance with the specific requirements and clients can choose between multiple options for e.g. wheel house, steering console layout and much more. Additionally, the ProZero vessels are available in different lengths and in different widths based on a range of proven and standardised hull designs.



Length overall, approx: 7,50 m
Beam overall, approx: 2,36 m
Draft, approx: 0,63 m
Speed max: 25 knots
Fuel capacity: 130L
Range: 130 Nm
1x Inboard diesel engine



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The steering console is wide enough for 2 crew members operating the vessel. It is ergonomically designed and optimized for crew weather protection. It has a polycarbonate windshield with a protective aluminum railing around.

The steering console has hatches both in the front and in the rear for easy maintenance. All controls and instruments are installed within encapsulated watertight compartments and all cables and hoses going through bulkheads are inserted into approved watertight fittings. The console can be either glued and laminated, or bolted to deck.

Careful attention is constantly paid to weight control and detailed design, to produce a robust and sea-kindly craft fit for the demanding role of FRC operations. In view of the operational requirements, weight refinement is not taken to the minimum limits allowed by classification rules, but is carefully considered to combine robust construction with efficient operation.

The main hull shell is a one-piece moulding produced in accordance with the hull construction drawing. The hull shell shall have pigmented gel coat above and below the water line.



The fender is constructed of closed cell polyethylene foam. Not deflating with solid core that cannot lose buoyancy or absorb water. Damage is strictly cosmetic keeping crew safe. For further protection the foam fender is covered with a heavy-duty tarpaulin, with a netting attached. This allows a person in the water to grab onto the fender, for easy recovery.

The core ambition of Tuco is to offer ProZero vessels that outperform the current market standards in terms of both performance, reliability and ease of service. We also strive to be market leaders in supplying the lightest, most durable and most reliable FRCs.



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