

Mako Defender Military RIBs



**-MISSION
SPECIFIC**

**-HEAVY
FABRIC**

-DEEP "V"

MAKO boats have been designed through years and years of on-water research and development along some of the most treacherous coast lines and sea conditions in the world.

Having being developed and tested for military, security and commercial operational institutions worldwide, they have been through the harshest conditions imaginable, with emphases on strength, durability and sea handling. Built to military and commercial specifications and requirements, these designs and quality of build meet the highest industrial standards.

MAKO manufacture a full range of boats for all requirements and specifications and have supplied navies, special forces and commercial industries around the world. They can be used in the shallow water depths, making them ideal as rapid deployment attack craft or river patrol craft where water depth can vary dramatically.

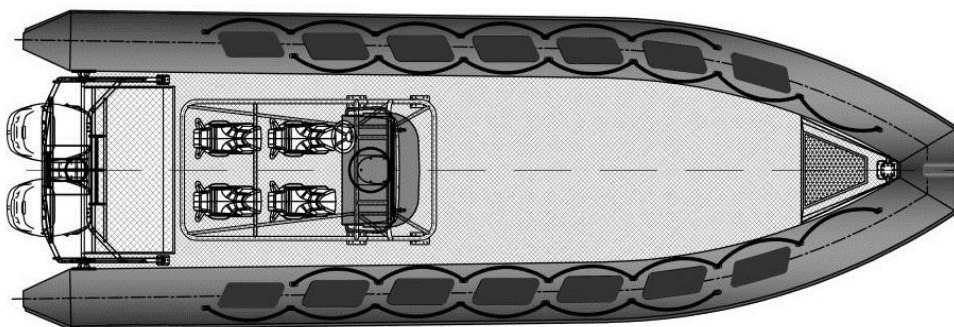
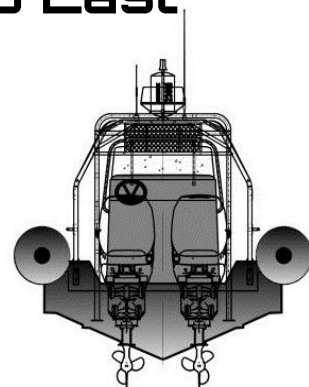
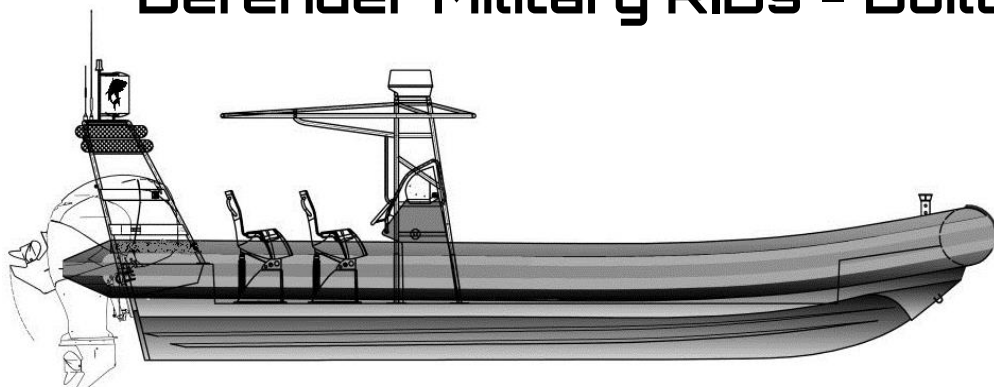
The 8.0m has an exceptional high load carrying capacity in excess of 1.5 tons, with the ability to run continuously at speeds of 100 kph in 1m seas. The hull is scalloped, forcing the water to spray down onto itself, minimising the boat's drag whilst travelling at high speed.

The robust nature of military operations require exceptional performance from operational vehicles; this is where the 8.0m comes into its own. The surface effect hull enables the RIB to make high speed tactical manoeuvres in rough sea conditions. Skilled boatman can pilot it hard in large waves without fear of submerging the bow. The design of the hull also provides a very dry boat as the spray from the concave chines is thrown out at a low angle, keeping the crew dry.

The 8.0m features a deep-V, kevlar reinforced, hull and fully reinforced deck to allows for screwing or bolting down of extra equipment or seating. The deck is also non-slip moulded with wet a deck draining design. Mako offer a wide variety of optional extras, allowing the customer to tailor the craft to various applications.

The 8.0m is ideal for insurgency and special force use. The inflatable collar absorbs shock in rough conditions, giving a more stable platform. The collar also gives increased buoyancy and a low centre of gravity, making the craft almost impossible to capsize.

Defender Military RIBs - Built to Last



	DR-7.5m	DR-8.0m	DR-8.5m	DR-9.5m
Max number of persons	21	22	23	24
Max payload	2115kg	2250kg	2350kg	2700kg
Overall length	7.5m	8.0m	8.5m	9.5m
Overall width	2.6m	2.6m	2.85m	2.85m
Weight empty	910kg	950kg	1100kg	1310kg
Shaft length	Twin-20"	Twin-20"	Twin-25"	Twin-25"
Max power	2 x 225hp	2 x 250hp	2 x 250hp	2 x 300hp
Max engine weight	555kg	590kg	590kg	600kg
Options of tube fabric:				
Tube fabric-Neoprene	1670 dtx	1670 dtx	1670 dtx	1670 dtx
Tube fabric-Durotex Heat welded	1450 gm2	1450 gm2	1450 gm2	1450 gm2
Tube fabric- Foam	Closed cell memory foam	Closed cell memory foam	Closed cell memory foam	Closed cell memory foam

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DEFENDER Rib Range: Boat Description STANDARD SPECIFICATIONS

Hull/Deck:

- Fiberglass hull and deck (Black or Military Grey)
- Vinylester resin (fire retardant upgrade)
- Non-slip deck
- Bow and tow points
- SS recessed bow eye

Collar:

- Five (5) to six (6) chambers.

Tube Material Options:

- 1100 dtex Neoprene/Hypalon inflatable tube (Black or Military Grey)
- 1670 dtex Neoprene/Hypalon inflatable tube (Black or Military Grey)
- 1450 gm2 Durotex (Heat Welded PVC)- (Black or Military Grey)
- EVA Foam (closed cell memory foam covered with a layer of material) (Black or Military Grey)
- Over-pressure relief valves
- Full-length double nylon lifeline on S/S D-Ring patches
- Collar accessories – tube handles (4-6)
- Reinforced top step treads or wear patches
- Double rubbing strakes

- Heavy duty Collar upgrade package:
 - two (2) extra rubbing strakes
 - two (2) pair step tread
 - two (2) pairs of handles
 - mooring D-rings



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Console/Seating:

Console comes standard with screen / windshield and S/S grabrail

Console Options:

- Single sit down (smaller ranges)
- Single Futura (luxury) console
- Single TITAN (Military/Commercial) console

Seating Options:

- Single straddle seats with S/S backrest & cushions (base has built in storage compartment)
- "iseats" Shock mitigating Commando style jockey seating
- Lean to seats for pilot & co-pilot (seats in rows)



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Equipment:

- Below deck cable routing,
- Two (2) SS transom tie-down eyes
- Folding anchor light.
- Stainless steel recessed bow eye and two heavy-duty stainless steel transom tie-downs
- Mooring/towing – two (2) transom cleats with Tow post and bow post S/S.
- Aft frame S/S for radar and lights with ski tow point (all wiring inside frame)
- Under deck access hatch to aft hull cavity.

Electrical: (For Turn Key Delivery)

- 12 VDC electrical system with waterproofed circuit breakers and switches
- Single or Twin (2) battery banks Gel Marine Grade with isolator switches.
- Dimmer switch (2) - instrument lights and compass light.
- Two (2) Accessory plugs (marine and cigarette lighter style)
- Fixed flood lights on aft arch
- Handheld/fixed searchlights and fixed flood lights on arch.
- Shore-power system with battery charger – 230V

Bilge pumping/draining:

- High capacity deck drains fitted w/ scupper trunks.
- Electric bilge pump with automatic switch.

Hoisting:

- Integral S/S hoisting fittings. (4 point)
- Polyester webbing lift sling.
- Overload hoisting test

Optional Single Point Lift System:

- Henriksen off-load release hook system
- Optional - fitted to the craft along with an integrated on-load painter release hook for use with a towing boom onboard the mother vessel during launch and recovery.

Optional Docking head Interface:

- Docking head can be fitted to be compatible with the chosen launch & recovery davit package as required.

**HENRIKSEN****REDUCING OPERATIONAL RISK**

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Navigation/communications:

- Navigation lights
- Electric horn
- Magnetic compass
- Standard Nav /Com package: VHF, GPS, Radar, AIS etc... Customer specified
- Custom Nav /Com package available

Fuel system:

- S/S or polyurethane fuel tanks – 100 Lt and up to 500 Lt (on larger Ribs)
- Selector valves to allow either engine to be supplied from either tank.
- Fuel/water separators.
- Fuel level gauge
- Extended fuel capacity available

Propulsion:

- Single or Twin Outboard Engines- 50hp to 600hp
- Hydraulic steering

Additional Equipment

- Stainless steel mounting points (bow & stern)

Shipping:

- Shipping preparation
- Shrink wrap
- Wooden shipping cradle

ADDITIONAL OPTIONS AVAILABLE**Post Delivery Orientation:**

- Commissioning
- Introductory vessel instruction
- Systems operation
- Recommended maintenance
- Held on location



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