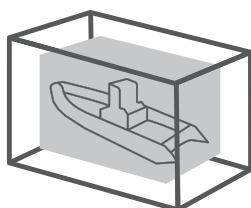


Fast Interceptor system

The Cube™



Multi-Mission Module

Complete Cube-ready launch and recovery system with integrated painter line for interceptor boat.

Fast and safe deployment of interceptor boat

Modern navy vessels must be capable of carrying out different missions in both peacetime and wartime. The SH Defence launch and recovery system (LARS) with integrated painter line is a versatile solution that can be used for the fast and safe deployment of a variety of boat types. In this instance, the SH Defence LARS with integrated painter line is used in combination with an interceptor boat manufactured by Fassmer, enabling quick and safe deployment of crew for navy operations.

The LARS consists of a Cube™ Engineered Frame, a SH Defence davit crane with integrated painter line and a SFB 10.1 MK2 Rigid Inflatable Boat from Fassmer. The SH Defence launch and recovery system with integrated painter line is designed according to DNV GL ST-0378 Offshore and platform lifting appliances and complies with the SOLAS Convention.

Cube-ready, easy connection

The system is Cube™ ready and only requires a 40' Cube™-ready mission bay including the fully automatic twist lock system and standard connection cabinet CubedIn™. The Cube™ Engineered Frame comes with compatible outlets allowing for easy connection to the mission bay connection cabinet CubedIn™.

Safe transport and controlled deployment

The interceptor boat is secured in a cradle and connected to the davit boom during voyage. At deployment of the interceptor boat, the vessel crew operates the davit from the mission bay control panel. The davit crane lifts the interceptor boat out of the cradle and starts lowering the boat down the side of the vessel. When the davit boom is clear of the mission bay and vessel hull, the end of the boom, to which the painter line is attached, is extended to provide optimum angling of the painter line for safe deployment of the interceptor boat when it reaches the water.

Cube™ Engineered Frame

The Cube™ Engineered Frame is provided with corners castings enabling secure sea fastening by means of the fully automatic twist-lock system developed by SH Defence. The frame is customised to withstand the loads

introduced by the davit system. The surface of the Cube™ Engineered Frame is made of glass-reinforced plastic (GRP) grating, which provides a very strong and anti-slip surface.

SH Defence davit

The SH Defence davit is a compact system supplied with hydraulic pump unit (HPU) and hydraulic control panel (HCP) mounted on the frame. The hydraulic lowering of the davit structure reduces the height of the davit, and the base of the davit is embedded in the frame to reduce the structure height even further.

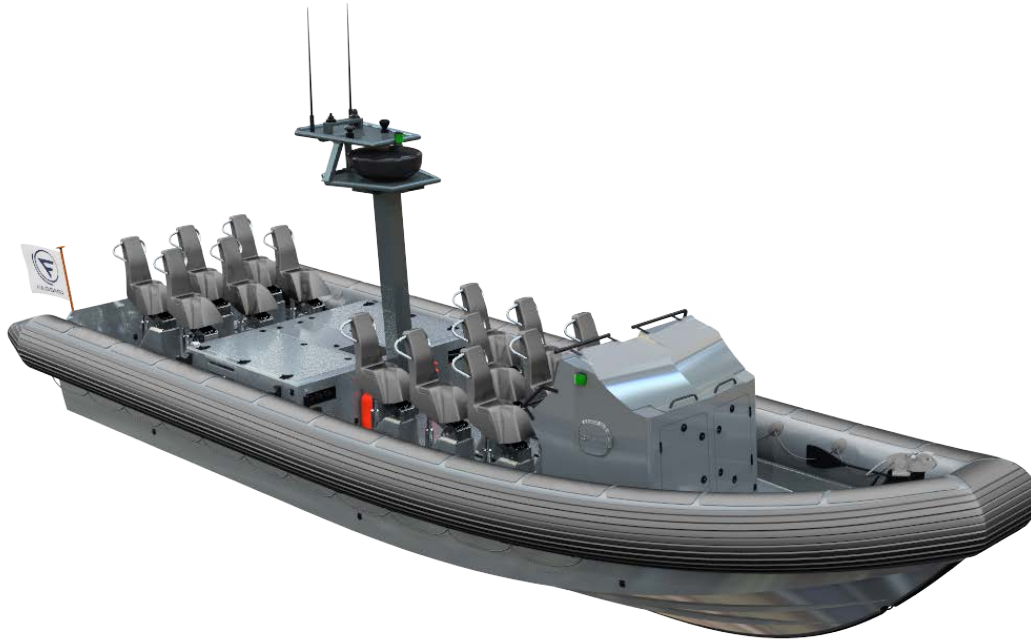
As an option, the system can be delivered in a NORSOK R-002 compliant setup, introducing gravity lowering with hydraulic braking. This eliminates wear on the system and enables use of stored mechanical power.

Interceptor boat

The interceptor boat is a Fassmer SFB 10.1 MK2 RIB. It is one of a variety of available models. For further information, please visit Fassmer's website, www.fasmer.de.

Description	Value
Cube Engineered Frame	
Manufacturer	SH Defence
Dimensions (L x W x H)	12192 mm x 4901 mm x 5570 mm
Davit	
Manufacturer	SH Defence
Lifting capacity (SWL)	17 MT
Extension beyond Cube™ edge	3000 mm
Interceptor boat	
Manufacturer	Fassmer GmbH & Co. KG
Boat length	10100 mm
Boat width	3500 mm

Rigid Inflatable Boat SFB 10.1 MK2



Images may contain optional equipment

Fassmer SFB 10.1 MK2 is the perfect boat for performing a multitude of different tasks during Navy Operations. Primary designed as a patrol and boarding craft, it also serves as a carrier for personnel and equipment.

- Twin inboard diesel engine with water jet propulsion
- GRP hull
- Heavy duty air fender (optional foam fender or foam/air fender)
- Flexible seating/deck arrangement
- Multi-functional deck layout
- Fully customizable for several tasks
- Large steering console for navigational and communication equipment
- Reinforced foundations for optional armament
- Trailerable with deflated air fender

Customer:	Fincantieri
Proj. No.:	OPO 2917
Rev. No.:	0
Rev. Date:	2020/10/29

FR. FASSMER GmbH & Co. KG

Industriestraße 2
27804 Berne/Motzen

www.fassmer.de
salesboats@fassmer.de

Boat Specification (Basic)

Main dimensions	
Length overall	10.10m
Length hull	9.50m
Beam overall	3.50m
Beam hull	2.90m
Beam with deflated air fender	3.00m
Height (incl. mast)	Abt. 4.50 m
Height (folded mast)	Abt. 2.66m
Weight	
Weight empty boat (incl. fuel)	Abt. 5,400 kg
Total payload (up to)	Abt. 2,600 kg
Weight max.	Abt. 8,000 kg
Capacity	
Capacity (Persons)	14
Seats	Jockey type seats
Launching and recovering device	
Painter Hook	Foundation for optional Henriksen painter hook or Henriksen capture claw
Propulsion system	
Engine	2x Volvo D6 (480HP)
Propulsion	2x Water Jet
Speed, max	Abt. 48kn
Speed, fully laden	Min. 40kn
Fuel	Diesel EN 590
Fuel capacity	2x 290 Liter
Range	Abt. 120 nm @ 25kn, fully laden, sea state 2
Hull and fender	
Material boat hull	GRP
Color (grp components)	anthracite grey RAL 7016
Tube fender material	Orca® 866 Fabric, 1565g/m ²
Tube fender diameter	0.55m
No. of tube chambers	7
Color (tube fender)	military grey
Equipment	
Electric system	12 Volt DC, 2-pole, two AGM battery sets for each engine
Communication equipment	VHF Radio
Navigational equipment	Compass, GPS Chart Plotter, Radar
Approval and certification	
Approval	Class approval available
Certification	e.g. DNV-GL acc. to 1A HSLC PATROL(S) R1

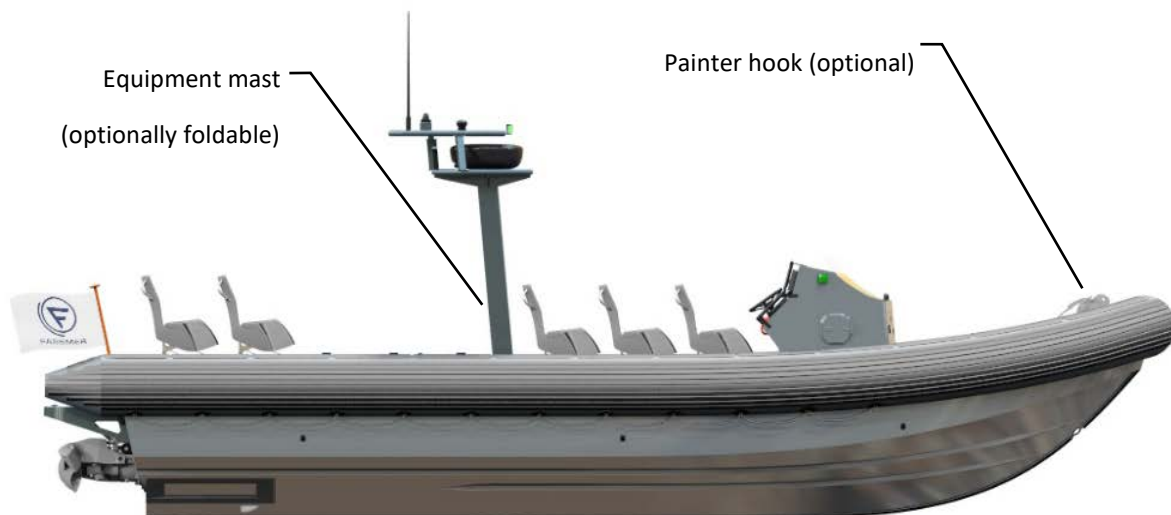
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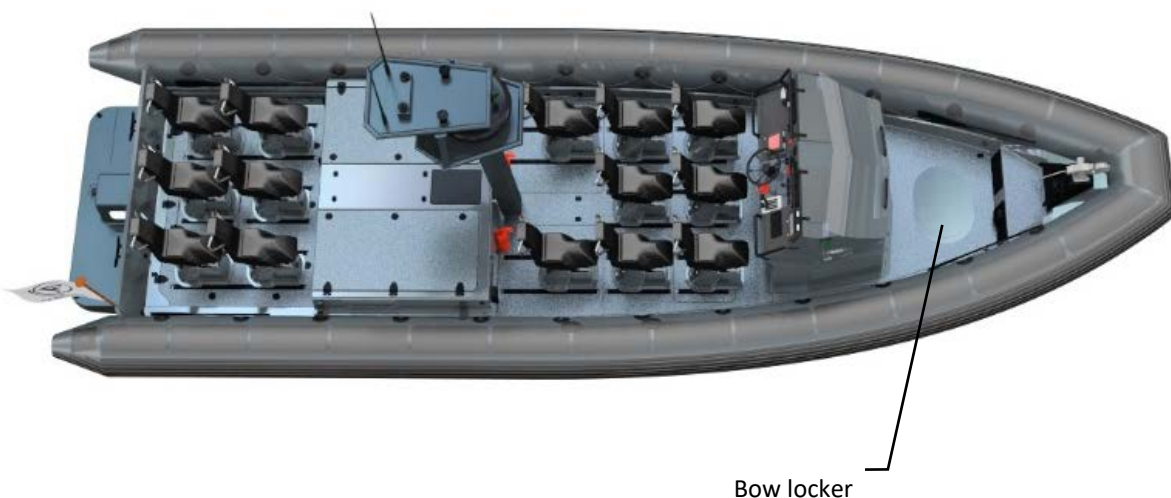
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 27804 Berne/Motzen
www.fassmer.de
salesboats@fassmer.de

Product benefits

- Deep V-shaped hull and lifting strakes for
 - Optimized performance
 - Good seakeeping behavior
 - Good course stability



- Additional space in large-scale designed steering console for optional navigational and communication equipment, additional stowage space in bow area

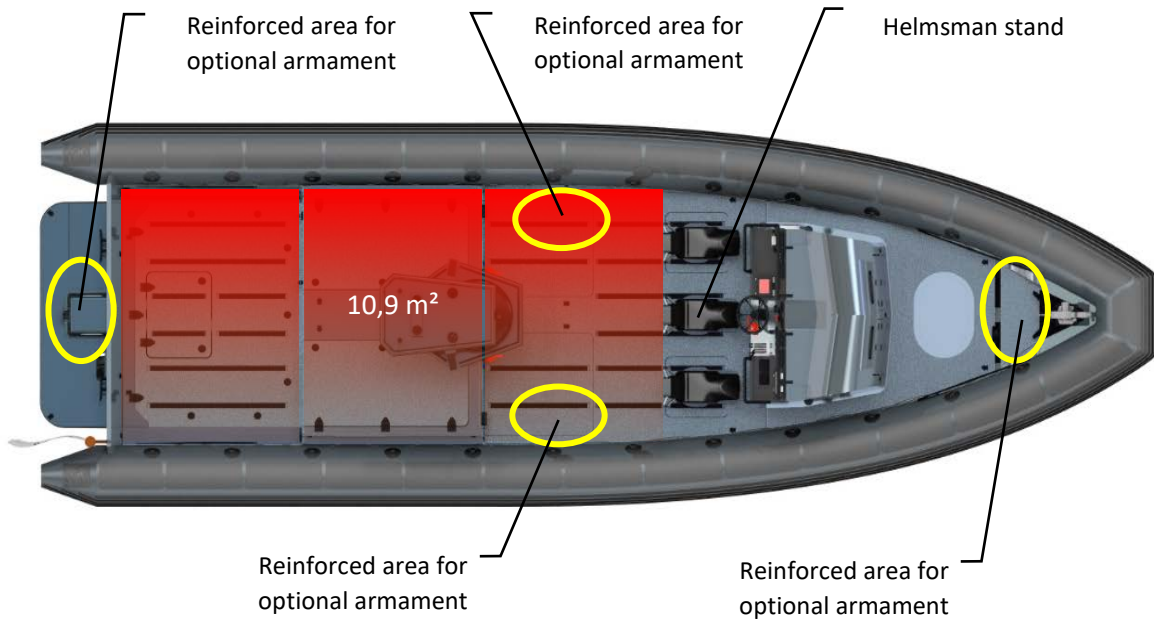


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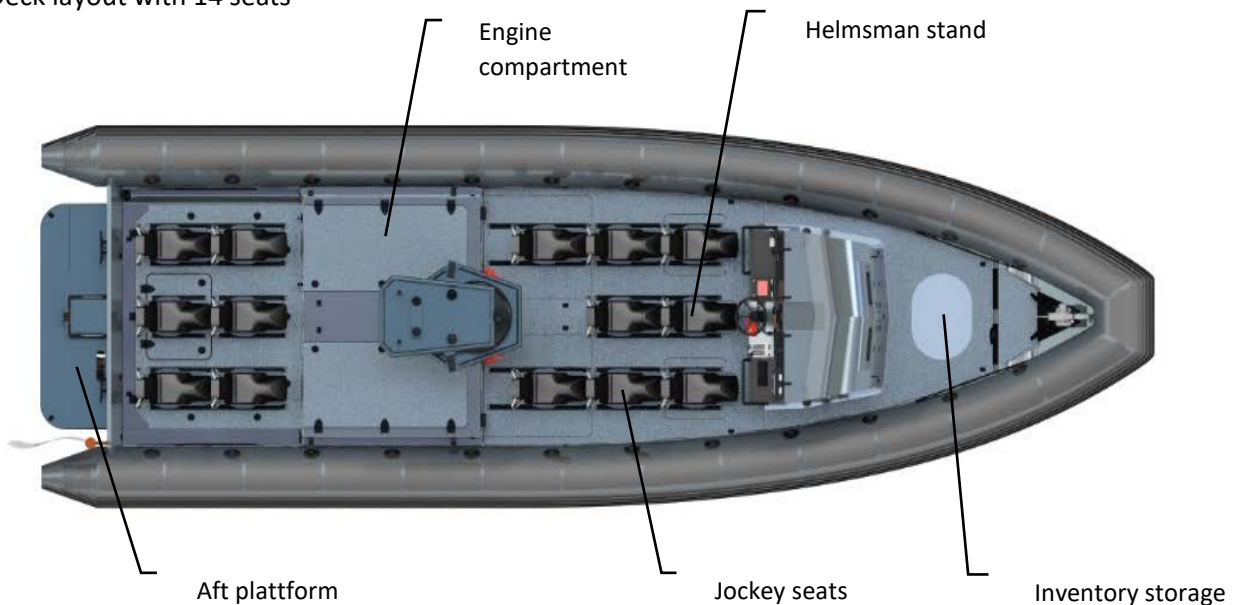
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- Large deck area for various tasks:
 - Up to 14 shock mitigated jockey seats
 - 10,9 m² of open space for transportation of mission equipment
 - Reinforced foundation for optional armament

Standard deck layout with 3 seats behind console



Deck layout with 14 seats



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Reference

Similar boat SFB 10.1:



Fully equipped steering console with additional systems according to customers' needs on SFB 10.1

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Optional equipment

Seats	Shock mitigating jockey seats
Engine	Different engines available on request: <ul style="list-style-type: none"> • VOLVO D6 engines up to 480 HP • IVECO N60-400 up to 400 HP • Yanmar 6LY up to 440 HP
Propulsion	<ul style="list-style-type: none"> • Water Jet drive • Stern drive available on request
Fuel capacity	Increased fuel tank for greater range
Painter Line Hook	Henriksen HPHV 2.5
Capture Claw Hook	Henriksen HPHA
Colour	Different colours available on request, pending flag approval
Tube fender	<ul style="list-style-type: none"> • Heavy duty air fender • Foam fender • Combined foam/air fender
Mast	Foldable Mast available on request
Communication equipment	<ul style="list-style-type: none"> • UHF • Intercom system
Navigation equipment	<ul style="list-style-type: none"> • AIS • Thermal imaging camera • Search light
Armament	<ul style="list-style-type: none"> • Reinforced armament foundations
Further equipment available on request	

Note: Options may influence weight and performance, some option combination may be incompatible.