



CATALOGUE

YACHT FITTINGS & ACCESSORIES HANDCRAFTED IN ITALY



CUSTOM

RELIABLE

PERFORMING

EXPERIENCE

DESIGN

PASSION

INNOVATION

BEAUTY





Dedicated to Sea, Built with passion in Italy

Founded in 1972 by Gianni and Giuseppe Tempesta, our company was one of the first manufacturers and suppliers of marine equipment, deck accessories and fittings, soon specializing to Pleasure Yacht. Evolving according the Yacht Industry development, Allu.fer Tempesta is today one of the major Italian player in the production of Bespoke Solutions for Yachts and Super Yachts. Our aim has been always to conciliate the uniqueness of Italian Craftmanship with the Most Advanced Technology to create Beauty, Functional, Reliable and Innovative Goods. This heritage is guaranteed by the second generation of Tempesta Family, which is leading the company facing future challenges with passion and dedication.



ISO 9001
BUREAU VERITAS
Certification



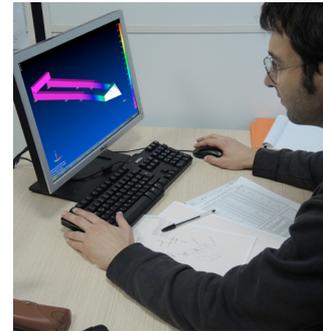
SINCERT



MED Certified TYPE APPROVAL

An efficient solution starts from an efficient engineering and design.

Our technical department is composed by four people among engineers and technicians. In order to support our clients providing the most complete and detailed information since the beginning, our crew uses the latest technologies and software such as Autocad (2D Planning), Solid Edge (3D planning) and Cad-Cam software for the management of digital controlled machinery. Each design step is verified through real time simulations. What we offer is a complete bundle of services which includes engineering and design, consultancy for technical issues, commissioning and after sales, to bring the best to Shipyard and guarantee Guests' pleasure on board.



TEAMCENTER



SOLID EDGE



FEMAP



Rhino
NURBS modeling for Windows



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GLASS DOORS

saloon doors
companion ways
van door

Glass door are constructed from Italian stainless steel or aluminum frame. Our doors are studied to be more resistant but less heavies, which results in lightness and easiness for users. Doors of varying sizes, arrangements, corner radiuses and shapes are custom manufactured to fit specific application.

Goods shown represent a small part of the range of solutions we can develop.

SALOON DOORS

Full glazed, is characterized by the thin stainless steel frame. Glass is glued with high performance adhesive which guarantee safety and weathertightness.

Frame: italian stainless steel AISI 316, aluminum.

Plate: monolithic glass thermal tempered, laminated glass.

Plate's colour: on demand.

Finish: handmade mirror polish.

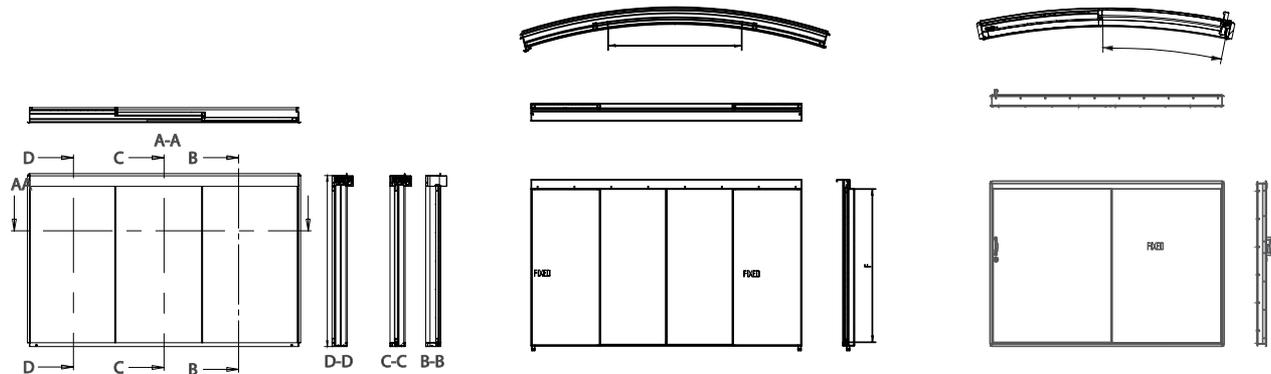


Automation Kit hidden in the hull superstructure

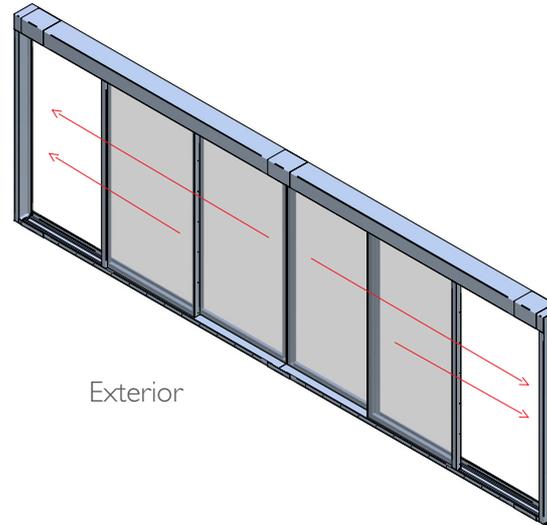
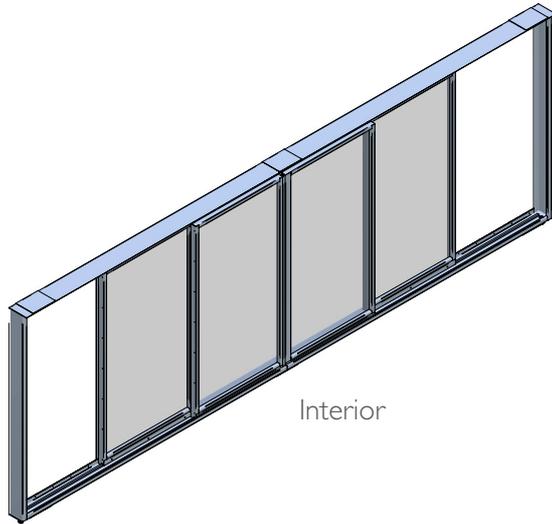
Automation system: electric powered at 230 V or 24 V

Accessories of automatic system: external keypad for opening with password, digital fingerprint scanner, function selector, electronic locks in open and close position, IR safety radar, back-up battery.

Straight or curved



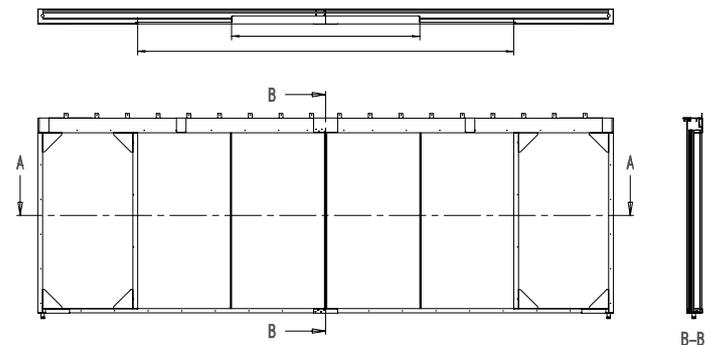
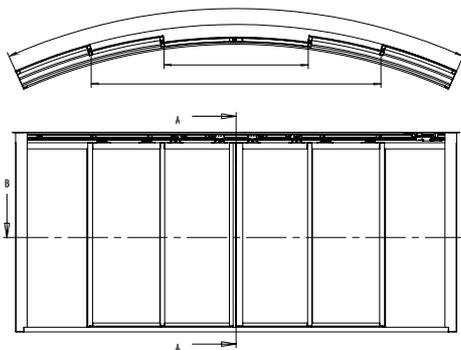
SALOON DOORS



Telescopic opening system. Designed to open completely, panels move and disappear simultaneously.

Automation system: electric powered at 230V or 24V

Accessories of automatic system: external keypad for opening with password, digital fingerprint scanner, function selector; electronic locks in open and close position, IR safety radar; back-up battery.



COMPANION WAYS

The companion ways are studied to avoid waterleaking and to offer comfortable entrance and wide passage.

Frame: italian stainless steel AISI 316.

Plate: monolithic glass thermal tempered, laminated glass.

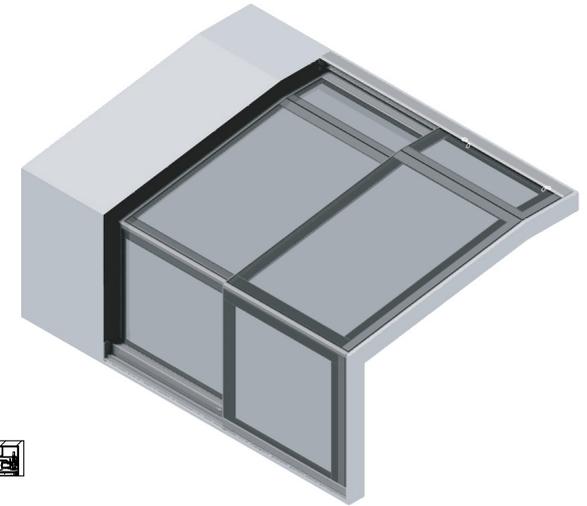
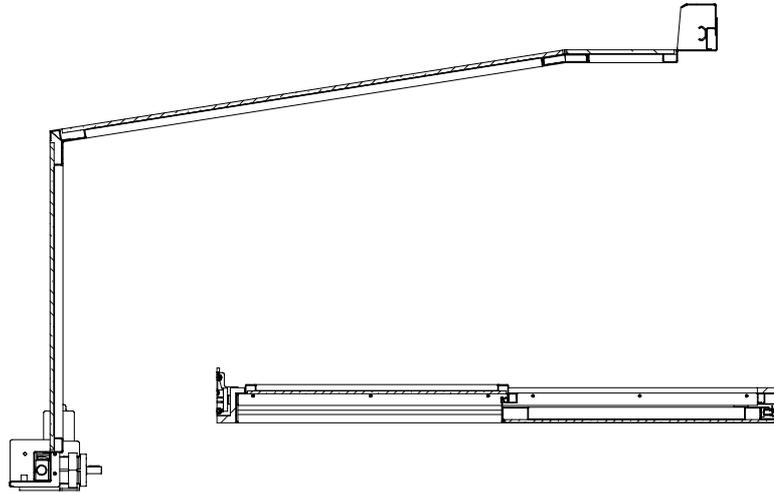
Plate's colour: on demand.

Finish: handmade mirror polish.

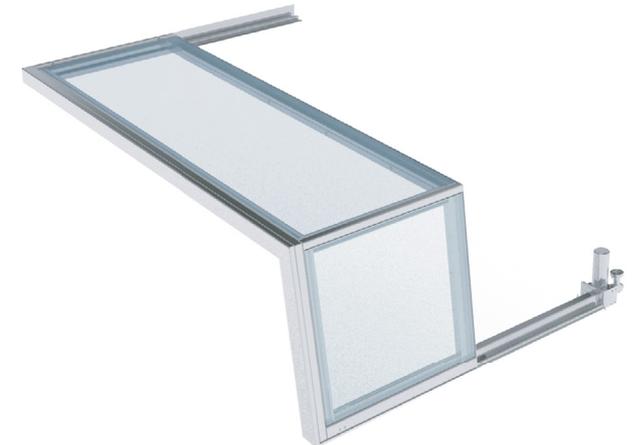
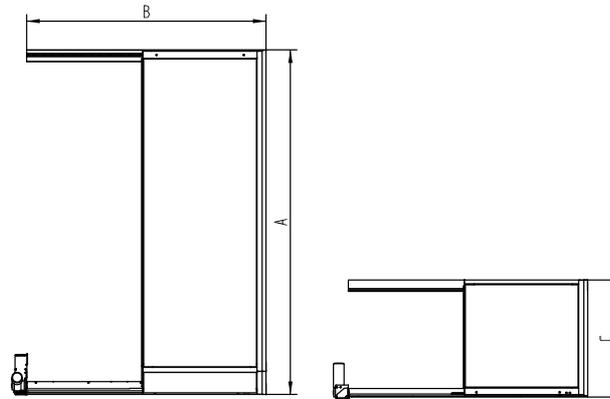
Automation Kit hidden in the hull superstructure

Automation system: electric powered at 230 V or 24 V

Accessories of automatic system: external keypad for opening with password, digital fingerprint scanner, function selector, electronic locks in open and close position, IR safety radar, back-up battery.



2 Glass wings, 1 fixed and 1 sliding



1 Sliding glass wing

VAN DOOR



Composed by 2 glass panels, 1 fixed and the other that slides upon the fixed one. When close, wings keep the surface flat.

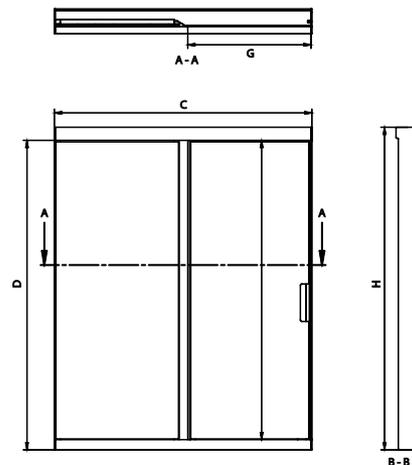
Frame: italian stainless steel AISI 316.

Plate: monolithic glass thermal tempered, laminated glass.

Plate's colour: on demand.

Finish: handmade mirror polish.

Patent Pending



Automation Kit hidden in the hull superstructure

Automation system: electric powered at 230 V or 24V

Accessories of automatic system: external keypad for opening with password, digital fingerprint scanner, function selector, electronic locks in open and close position, IR safety radar, back-up battery.



WEATHERTIGHT DOORS

sliding door
hinged doors

Made in aluminum or stainless steel with components in stainless steel, are designed to maximize clear open space. Dimensions and shape are arranged according hull specifications.

Goods shown represent a small part of the range of solutions we can develop.

SLIDING DOOR

One of our first patents. Panel shifts and slides, hiding in the superstructure. Acoustic and thermal insulation.

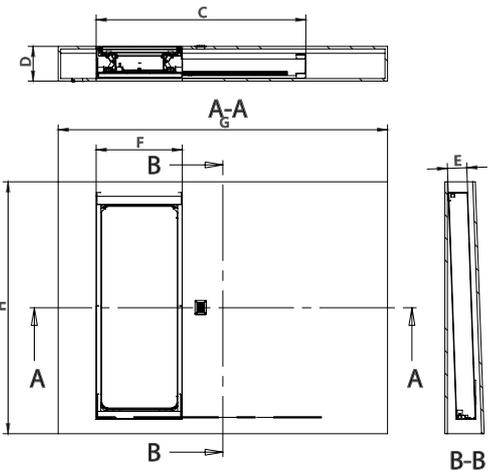
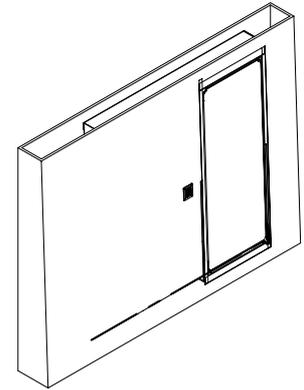
Frame: italian stainless steel AISI 316.

Panel: aluminum marine grade.

Finish: primered, painted, brushed.

Automation system: electric powered at 230 V or 24V.

Accessories of automatic system: external keypad for opening with password, digital fingerprint scanner; function selector; electronic locks in open and close position, IR safety radar, back-up battery.

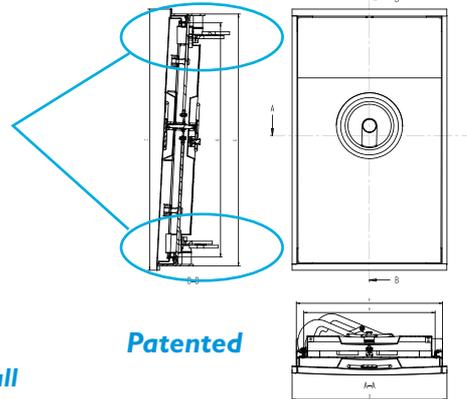


Patented

HINGED DOOR



Pantograph hinges.
Reduce vibration and
play without the use
of a torsion bar.



Patented

Automated pantograph door.
Automation Kit hidden in the hull
superstructure

Automation system: electric powered
at 230 V or 24 V

Accessories of automatic system:
external keypad for opening with
password, digital fingerprint scanner,
function selector, electronic locks in
open and close position, IR safety
radar, back-up battery, manual
shutdown.

Studied to maximize net clear passage
in small spaces.

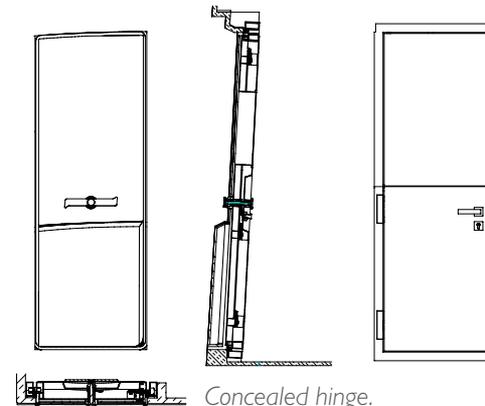
Frame and hardware: italian stainless steel
AISI 316.

Panel: aluminum marine grade.

Plate: monolithic glass thermal tempered,
laminated glass.

Plate's colour: on demand.

Finish: frame and hardware handmade
mirror polished, panel primered/painted.



Concealed hinge.
Opening inward or outward



TC ROBOTIC PANTHOGRAPH HINGE



Interior view

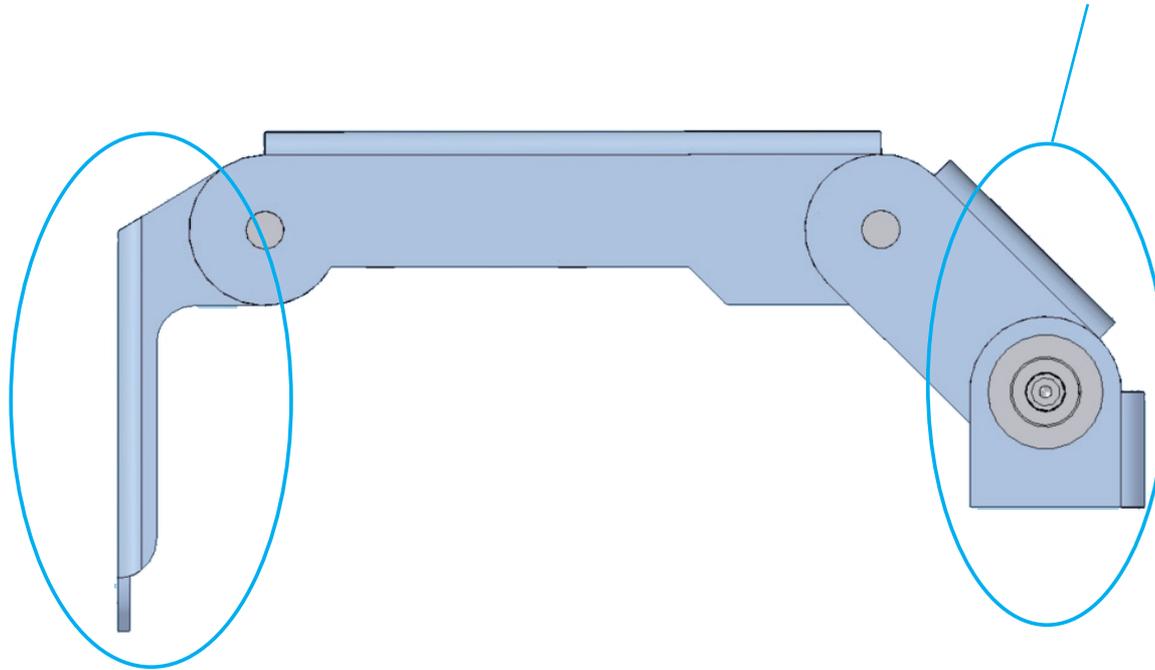
The mechanical system consists of a hinge composed of four elements of which a fixed part and three movable elements which through a chain of gears and shafts allows to recreate a handling of the parallelogram linkage mechanism [commonly called a pantograph hinge].

Putting in rotation the first mobile element, the gear rotates around the axis of the fixed part, this rotation is transmitted from the second gear of the first movable part to two gears mounted on the axis of hinge of the second movable part.

The gear high in being free wheel in turn sending the rotation to the gear of the second movable part, while the gear down rotates the second mobile part. This automatically spins the third movable part so to complete the operation.

PCT PATENT PENDING

Fixed section welded, screwed or pasted on a fixed structure. A bevel gear fixed on the axes acts as the hinge of the first elements.



Section fixed to the door panel





WATERTIGHT AND FIRE RATED SOLUTIONS

watertight hinged doors
watertight hatches
sliding door solas compliance
fire rated B15 door
fire rated A60 door
fire rated A30 hatche

This solutions take advantage of our experience in military sector to bring to yacht liability and durability while putting emphasis on high aesthetics standard. Doors and hatches are available in bare, anodized, primered and painted finishes.

WATERTIGHT DOORS

Designed to withstand a column of water up to 4 meter on both side.

Locking mechanism actuated by wheels/handles on both sides.

Acoustic and thermal insulation.

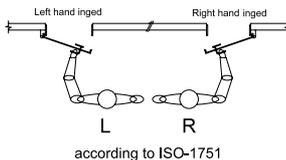
CNC machined hinges and locking system.

Material: italian stainless steel, aluminum marine grade.

Finish: primered, painted, brushed.

Hinges: concealed, surface, leverage, gunwal, friction.

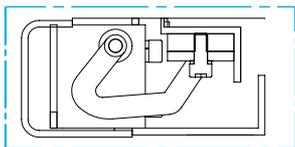
Accessories: mechanical or electrical door closer, alarm sensor.



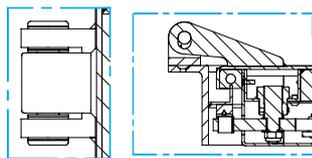
Front



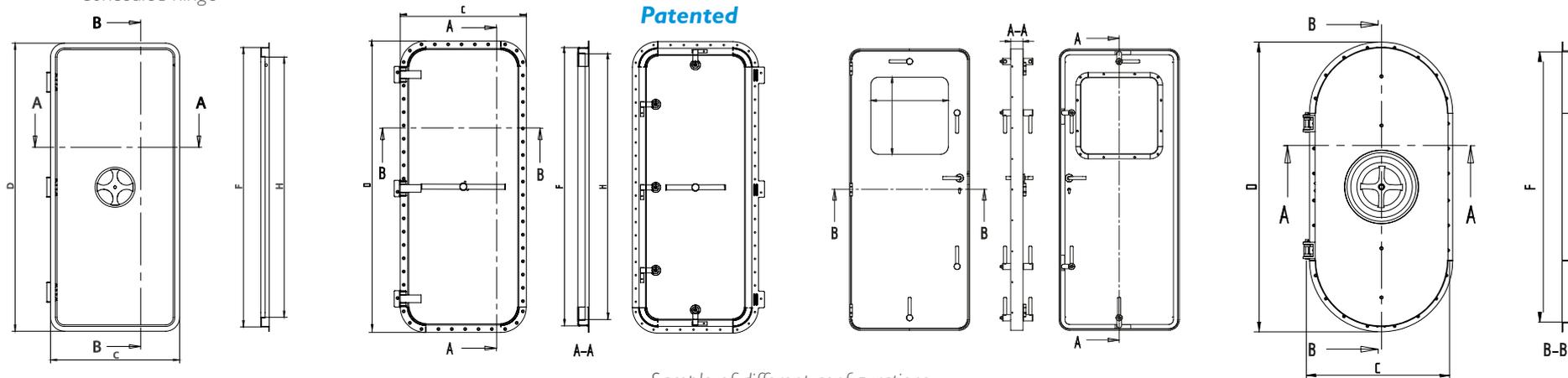
Rear



Concealed hinge

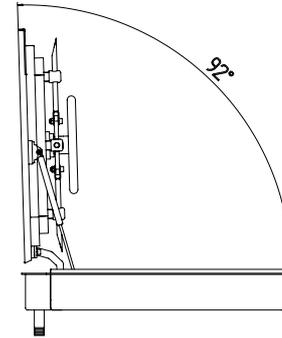


Patented



Sample of different configurations

WATERTIGHT HATCHES



Concealed hinge

Acoustic and thermal insulation.
CNC machined hinges and locking system

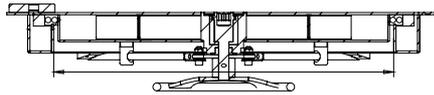
Material: italian stainless steel, aluminum marine grade.

Finish: primered, painted, brushed.

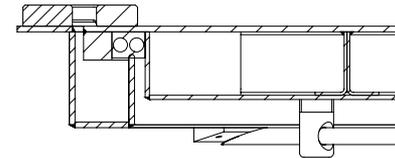
Hinges: concealed, surface, leverage, gunwal, friction.

Opening: gas spring, hydraulic cylinders, electric actuators.

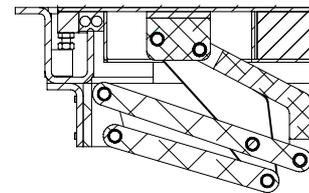
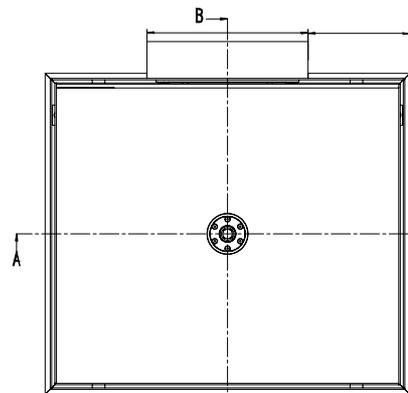
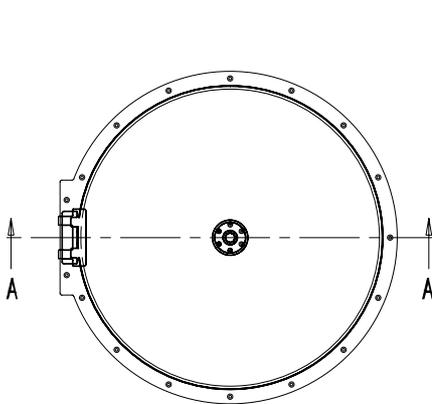
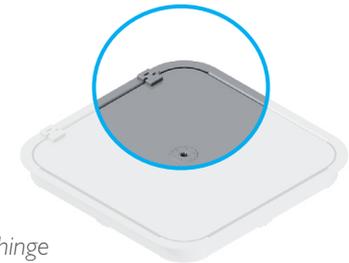
Accessories: mechanical or electrical door closer, alarm sensor, external handle/wheel.



Locking mechanism actuated by wheel inside.
Winch key outside.



Surface hinge



Leverage hinge



SLIDING DOOR

Sliding watertight door and fire rated A60, designed to withstand a column of water up to 4 meter on both side.

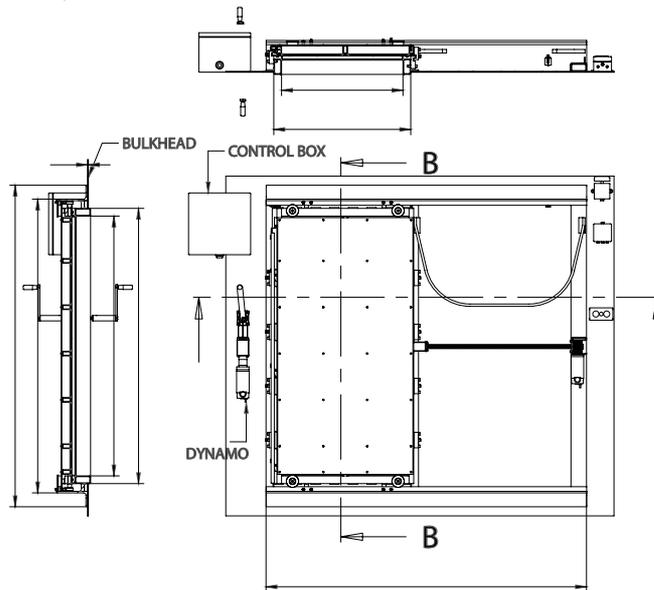
Built under IMO/SOLAS Compliance rules.

Material: italian stainless steel, aluminum.

Finish: primered, painted, brushed.

Automation system: TCS250 electric powered at 230V or 24V

Certification: IMO/SOLAS Compliance.



FIRE RATED B15 DOOR



Single panel automatic sliding door

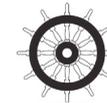
Panel: italian stainless steel AISI 304.

Finish: handmade mirror polish, satin, painted.

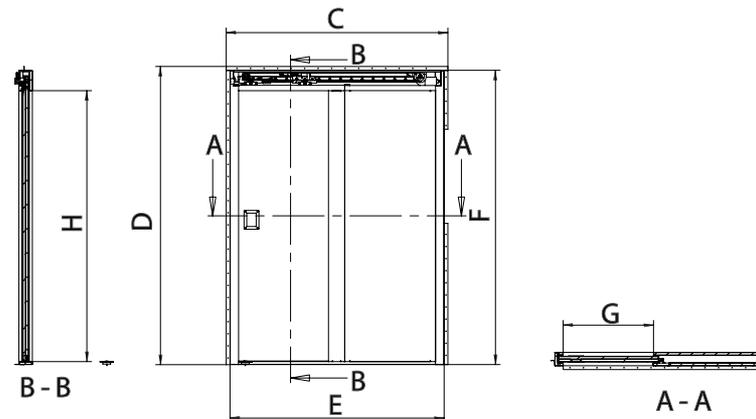
Automation system: MDA-FIRE electric powered at 230V or 24V.

Accessories of automation system: function selector; electronic lock in closed position, IR safety radar; foot button.

Certification: MED 29481 ICS issued by RINA test laboratory.



MED Certified



FIRE RATED A60 DOOR

Single leaf hinged door fire rated A60.
Locking mechanism actuated by handles on both sides.

Material: italian stainless steel AISI 316.

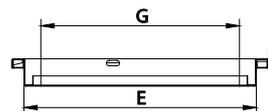
Finish: primered, painted, brushed.

Certification: MED 518807CS issued
by RINA test laboratory.

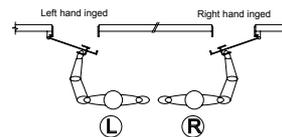


MED Certified

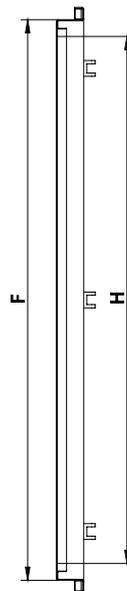
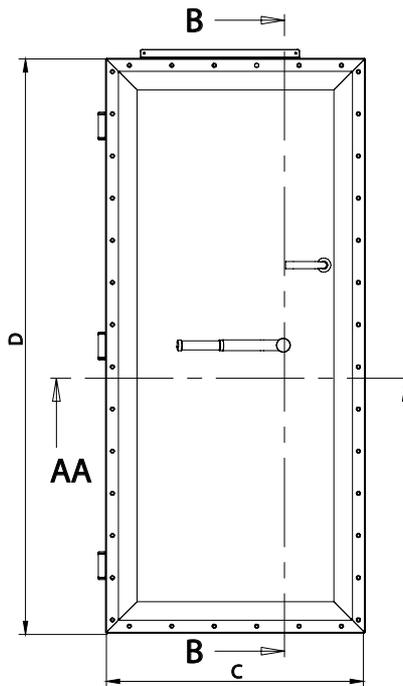
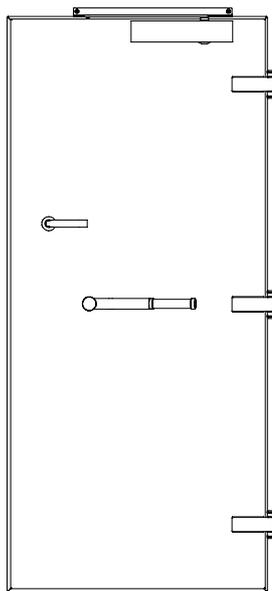
Patented



A-A



according to ISO-1751



B-B



FIRE RATED A30 HATCH



Flush hatch fire rated A30

Locking mechanism actuated by wheel inside and winch key outside.

Material: italian stainless steel AISI 316.

Finish: primered, painted, brushed.

Hinges: concealed, surface, leverage, gunwal, friction.

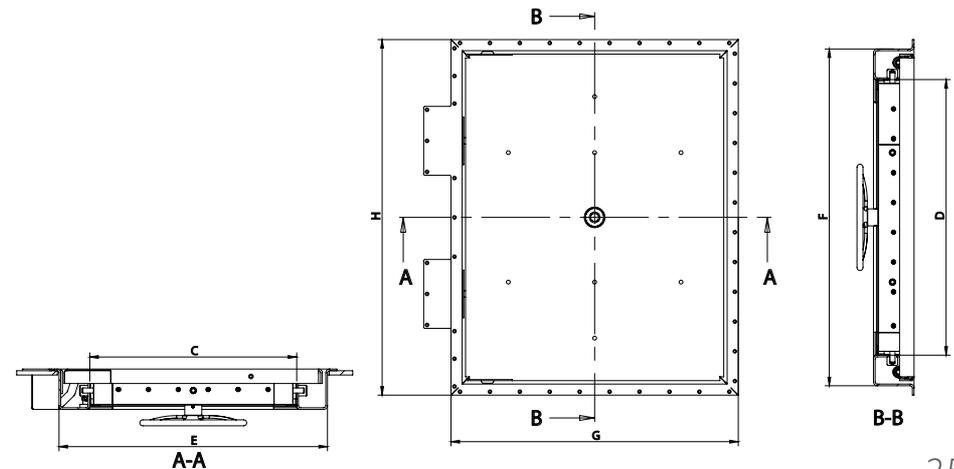
Opening: gas spring, hydraulic cylinders, electric actuators.

Certification: Type Approval LAB 246109CS.

Accessories: external handle/wheel, alarm sensor.



TYPE APPROVAL



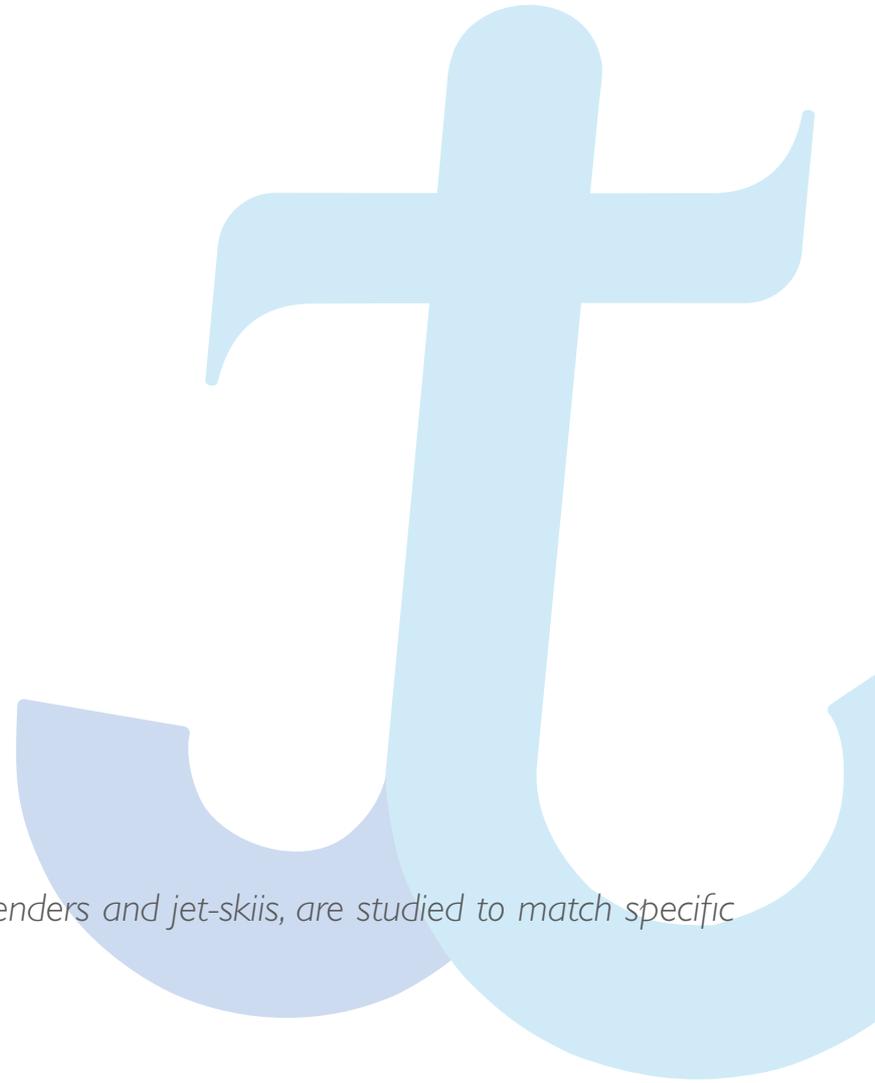


HYDRAULIC SYSTEMS

trolley
transom door
platform hinges

Dedicated to facilitate the launch of dinghys, tenders and jet-skiis, are studied to match specific stern arrangement.

Goods shown represent a small part of the range of solutions we can develop.



TROLLEY AND TRANSOM DOOR

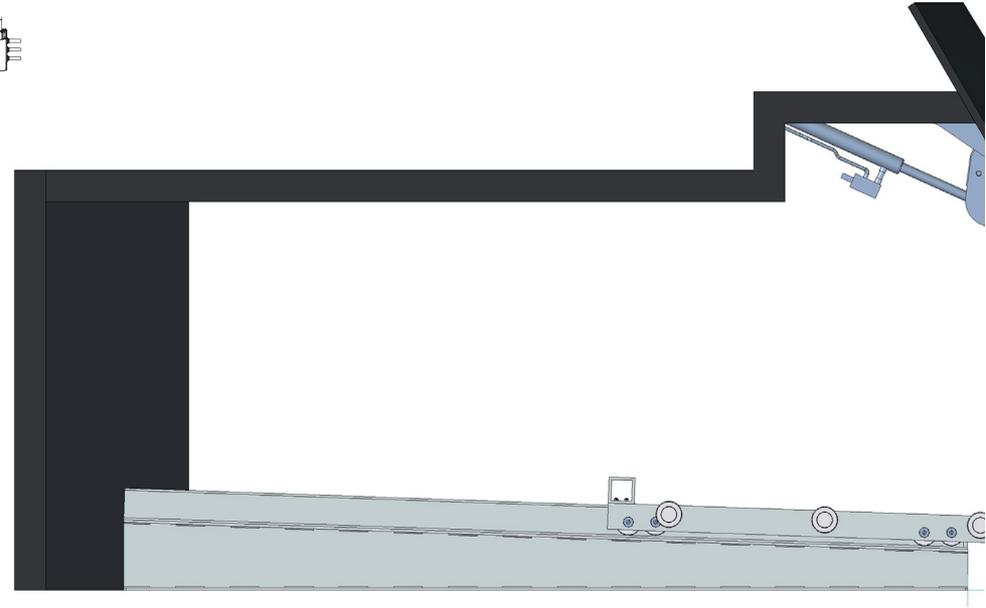
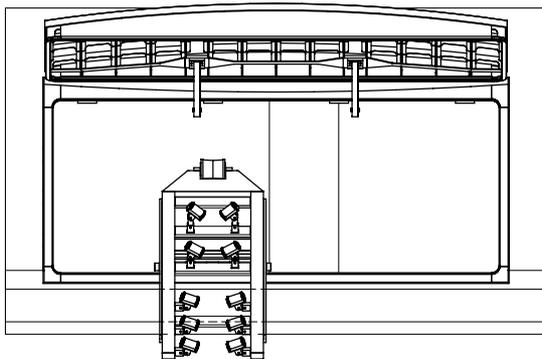
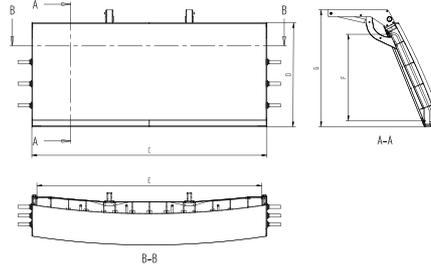
Transom door

Material: italian aluminum marine grade.

Finish: primered, painted, brushed.

Gasket: closed cell expanded EPDM.

Opening system: locking points in stainless steel, two hinges in stainless steel mirror polished actuated by two hydraulic pistons in stainless steel.



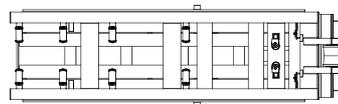
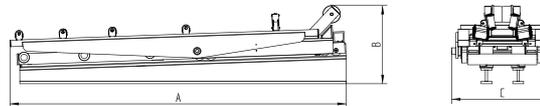
Trolley for hauling and launch of tender

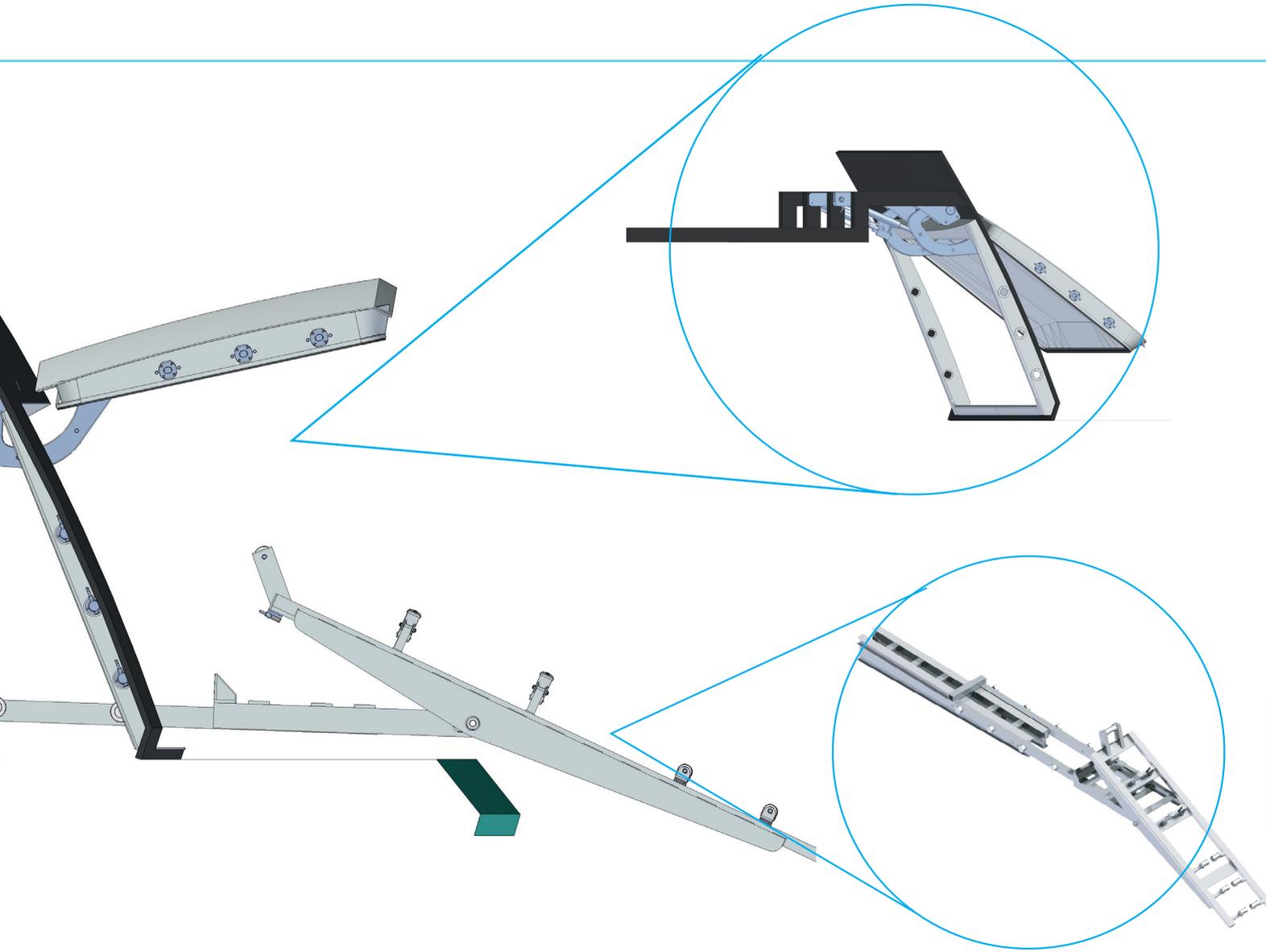
Tender recovery with electric winch

Material: italian aluminum marine grade.

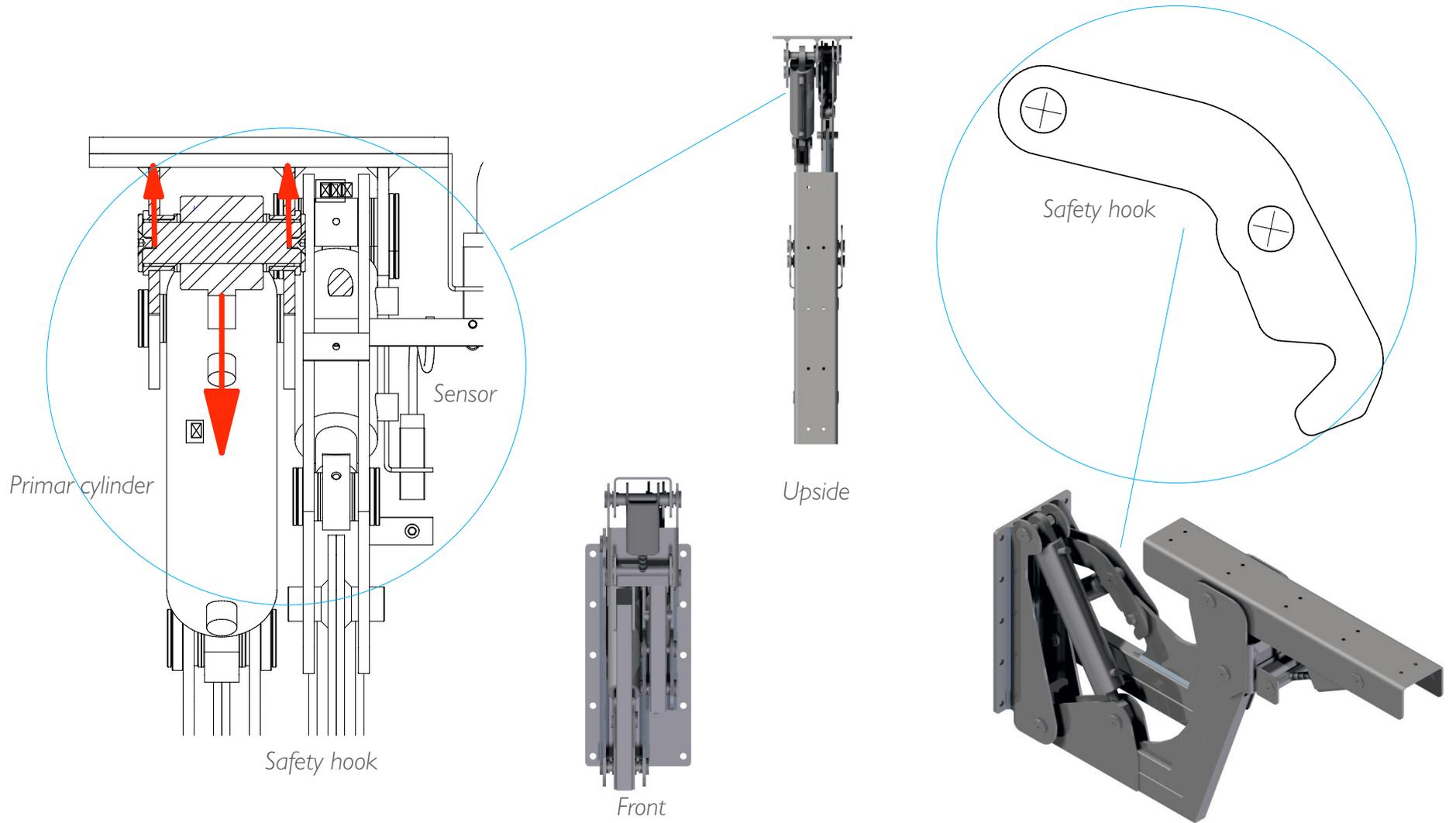
Finish: painted.

Automation system: electric powered at 230V or 24V.





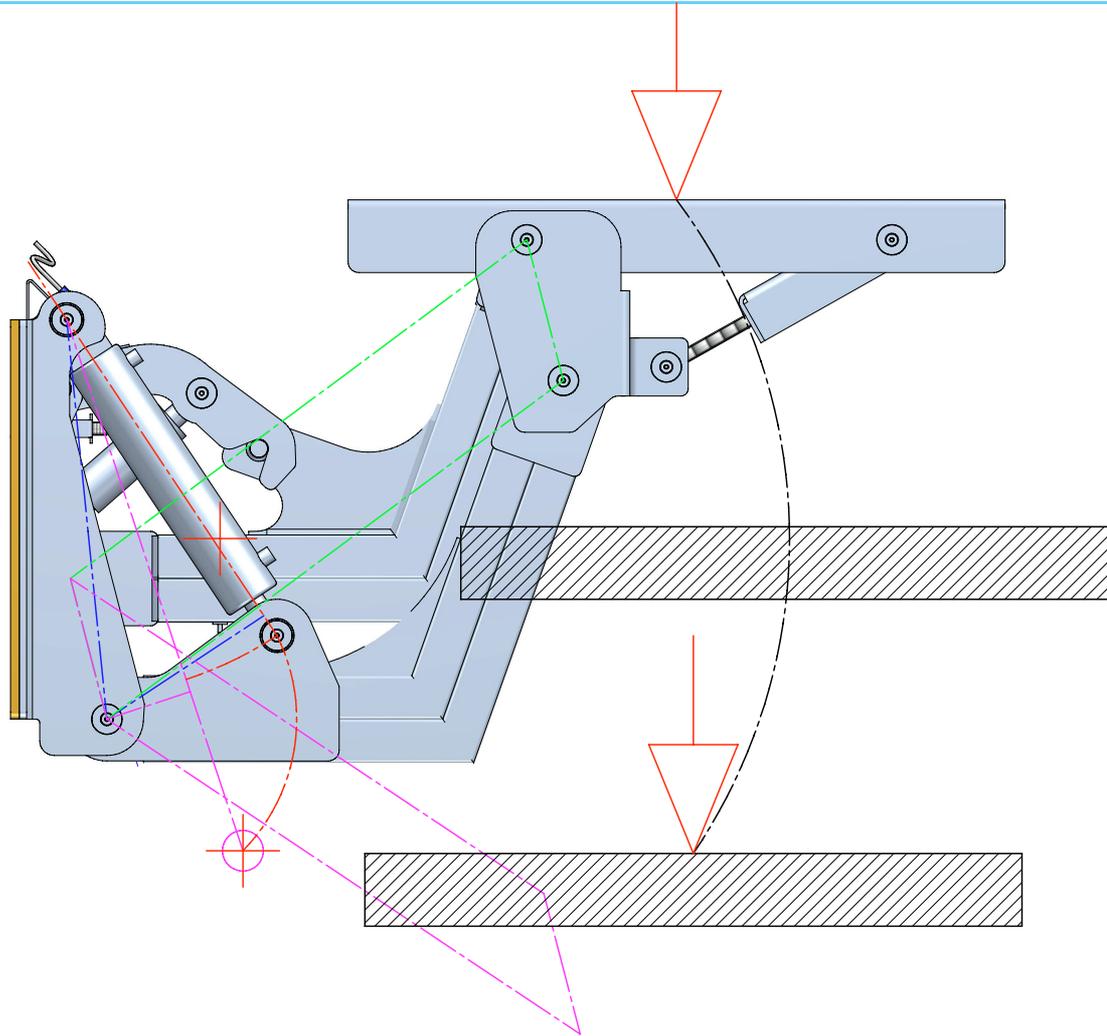
PLATFORM HINGES



PLATFORM HINGES

Platform lifting system composed by 2 hinges, hydraulically powered.
Designed to a working load up to 1000kg.

Material: italian stainless steel AISI 316.
Finish: handmade mirror polish, primered, painted.





WINDOWS AND GLASS HATCHES

sliding windows
electric rooftop
round hatches
rectangular hatches

*Conceived to follow the latest trends of glazed surface in yacht design.
Configurations, dimensions, shape and glass are arranged according specific applications.*

Goods shown represent a small part of the range of solutions we can develop.

Electric sliding windows

Frame: italian stainless steel AISI 316.

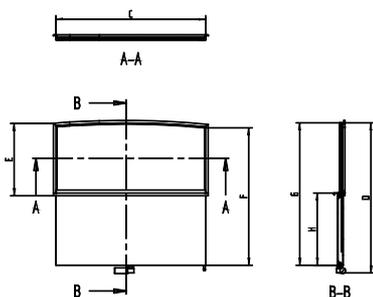
Plate: monolithic glass thermal tempered, laminated glass.

Plate's colour: on demand.

Finish: handmade mirror polish.

Automation system: electric powered at 230 V or 24V

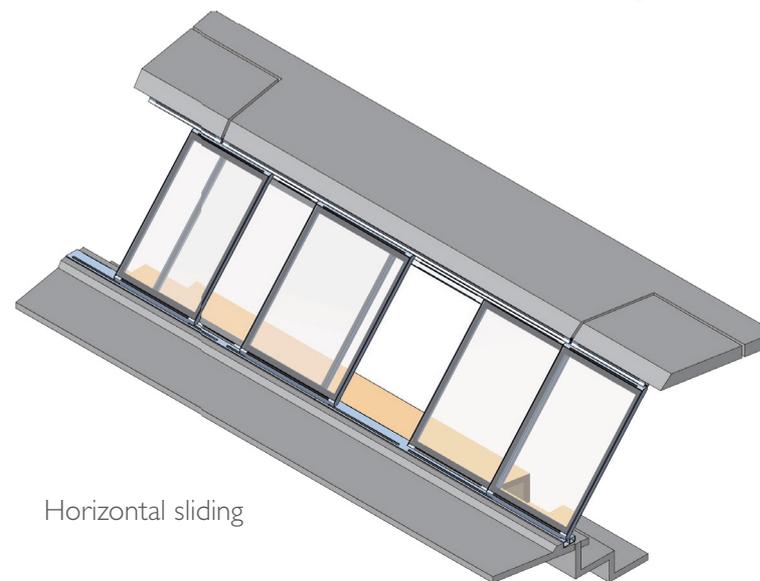
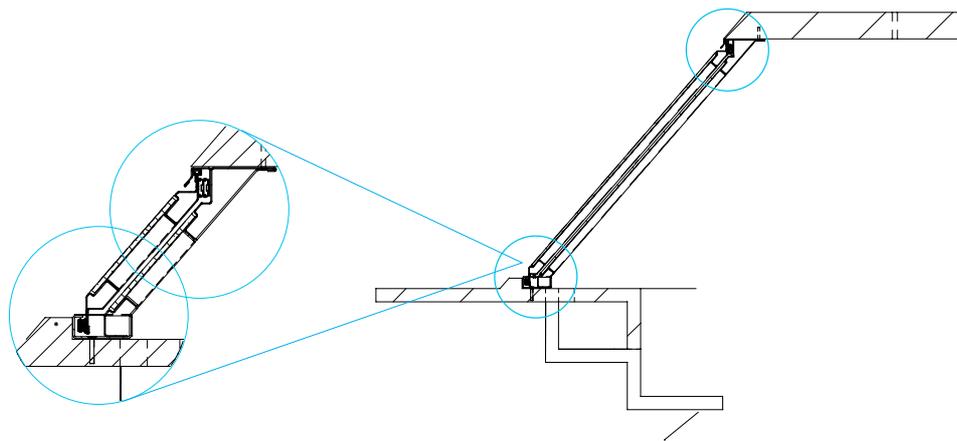
Accessories of automatic system: anti-crush safety system, backup battery.



Rear

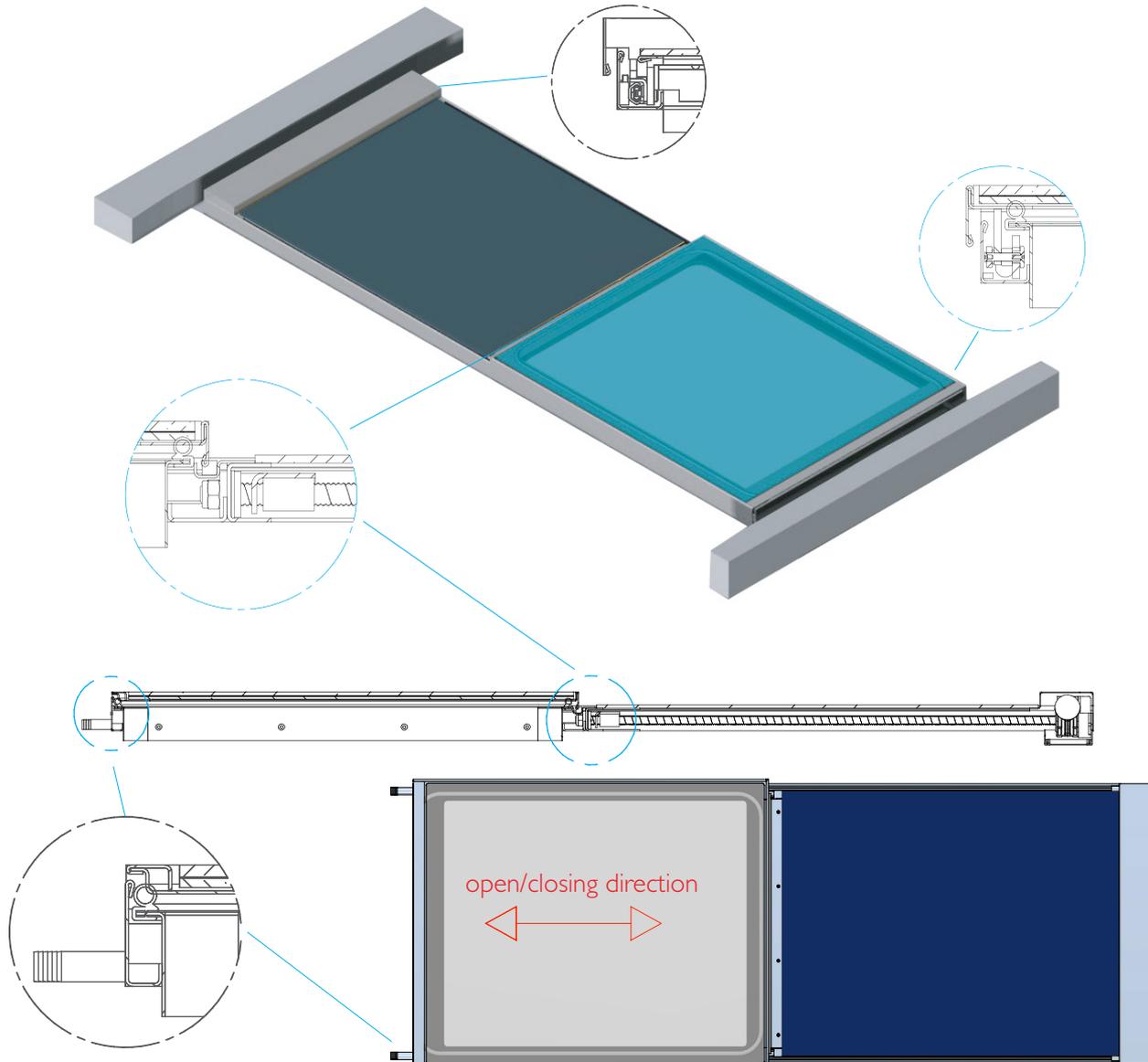


Vertical sliding



Horizontal sliding

ELECTRIC ROOFTOP



Based on a screwed spindle and nut mechanism, the Sunroof Hatch is characterized by a smart system which press the gasket during the closing operation and made a perfect weathertight and gastight seal.

The electric movement is realized through electronic card to 24V which allows to use the slide also as an emergency exit.

Frame: italian stainless steel AISI 316.

Plate: monolithic glass thermal tempered, laminated glass.

Plate's colour: on demand.

Finish: handmade mirror polish.

Automation system: electric powered at 230 V or 24V

Accessories of automatic system: anti-crush safety system, backup battery.

GLASS HATCHES

Rectangular, round, squared hatches.
CNC machined hinges in stainless steel.
CNC machined handle inside, winch key outside.

Frame: italian stainless steel AISI 316, aluminum.

Finish: handmade mirror polish, painted.

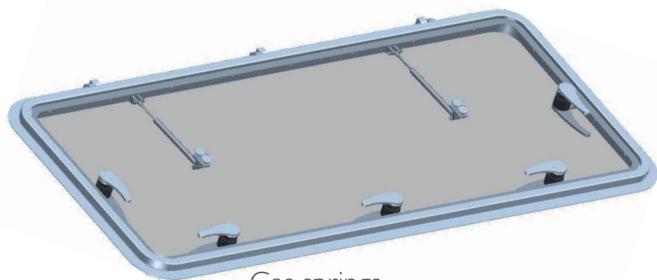
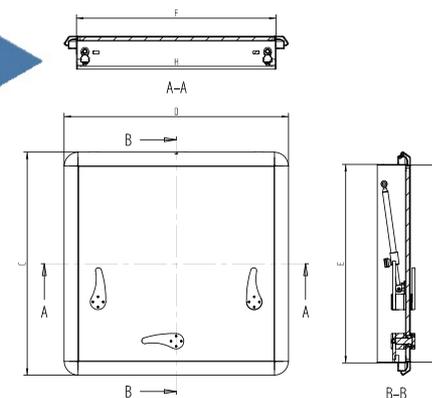
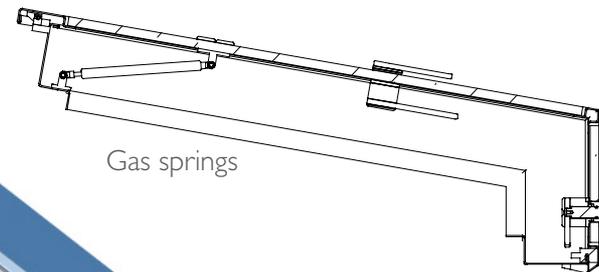
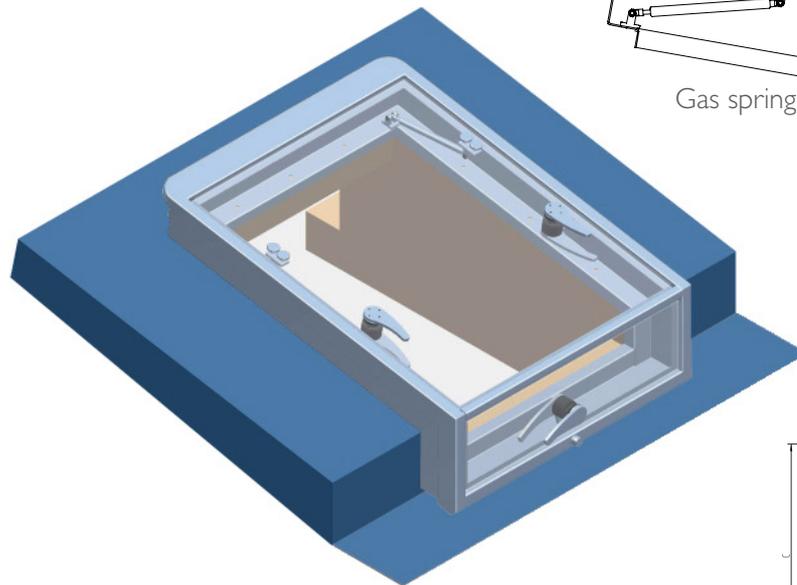
Plate: monolithic glass thermal tempered, laminated glass, PMMA.

Plate's colour: on demand.

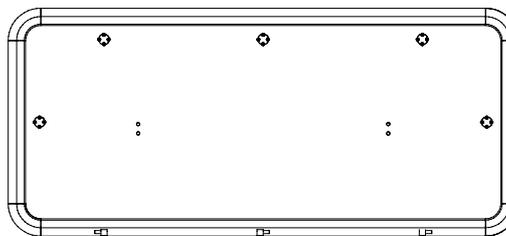
Gasket: closed cell expanded CR.

Opening: gas springs, friction hinges

Accessories: alarm sensor, mosquito net, handle with lock.



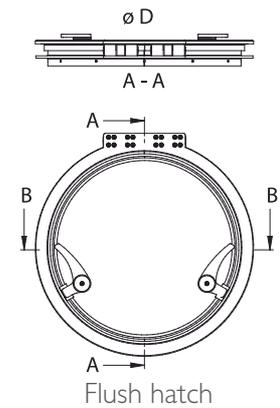
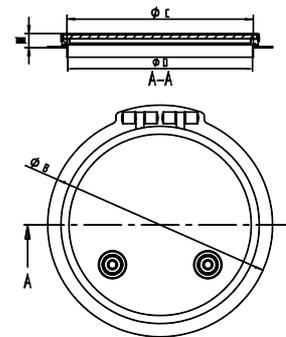
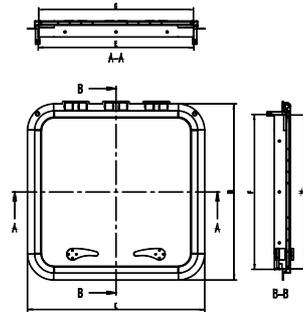
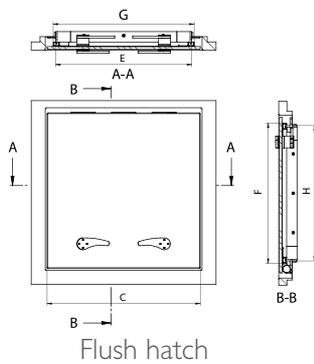
Gas springs



GLASS HATCHES



Hinges with friction inside that permit to keep hatch opened in any position.





PORTHOLES

- oval
- round
- elliptical
- rectangular
- special series
- corner cut

Portlights shown on following pages describe some of the common designs that are adopted in the industry. Our portholes are some of the most certified and approved [Type Approval] and are characterized by the unique design and the brightness of handcraft mirror polish finishings. Shape, frame and glass are customized according type of vessel and client' design arrangement.

Goods shown represent a small part of the range of solutions we can develop.

OVAL PORTHOLES

Material: italian stainless steel AISI 316.

Finish: handmade mirror polish.

Plate: monolithic glass thermal tempered, PMMA, laminated glass.

Plate's colour: on demand.

Gasket: closed cell expanded EPDM.

Opening/closing system: adjustable hinges, knobs or lever locking.

Accessories: outer frame, storm shutter, alarm sensor, mosquito net.

Our standards dimensions

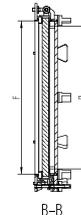
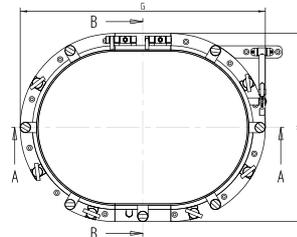
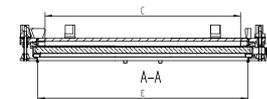
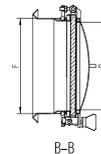
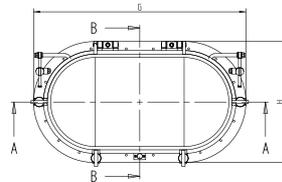
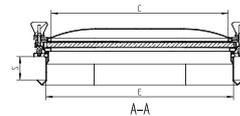
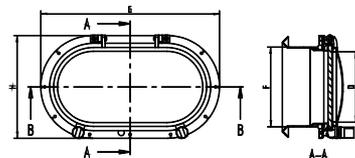
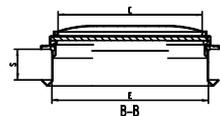
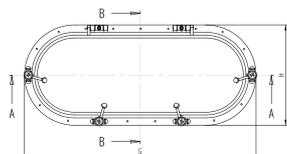
Code	Glass CxD	Bulwark Hole ExF	Inboard External GxH
T04	374x184	406x208	464x268
T05	372x235	409x260	467x323
T06	473x232	509x261	570x322
T57	537x267	569x291	644x369
T62	558x410	600x440	700x540
T63	745x267	767x291	844x368



T06
T07



TYPE APPROVAL



ROUND PORTHOLES



Material: italian stainless steel AISI 316.

Finish: handmade mirror polish.

Plate: monolithic glass thermal tempered, PMMA, laminated glass.

Plate's colour: on demand.

Gasket: closed cell expanded EPDM.

Opening/closing system: adjustable hinges, knobs or lever locking.

Accessories: outer frame, storm shutter, alarm sensor, mosquito net.

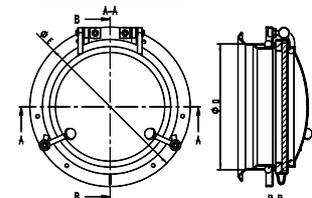
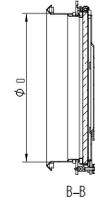
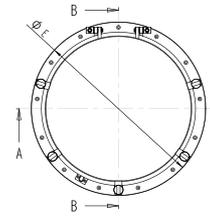
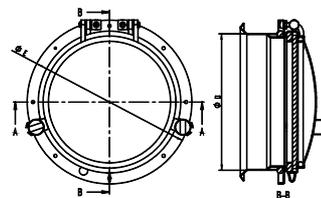
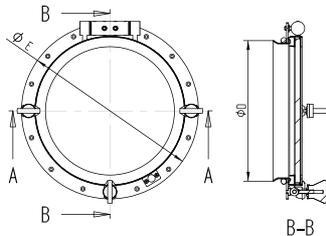
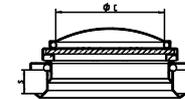
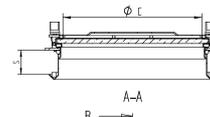
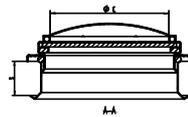
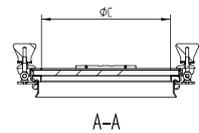
Our standards dimensions

Codice	Glass $\varnothing C$	Bulwark Hole $\varnothing D$	Inboard External $\varnothing E$
T08	189	213	270
T09	225	260	312
T10	269	289	369
T12	280	306	384
T61	437	468	548

T09
T10



TYPE APPROVAL



Sample of different configurations

ELLIPTICAL PORTHOLES

Material: italian stainless steel AISI 316.

Finish: mirror polish.

Plate: monolithic glass thermal tempered, PMMA, laminated glass.

Plate's colour: on demand.

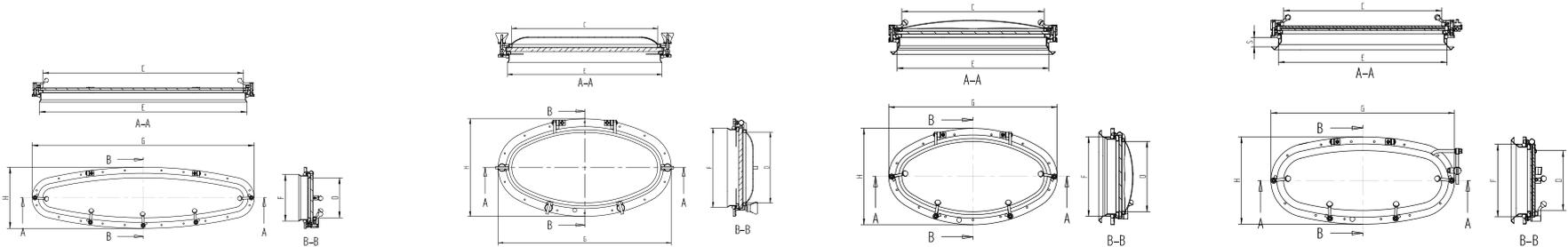
Gasket: closed cell expanded EPDM.

Opening/closing system: adjustable hinges, knobs or lever locking.

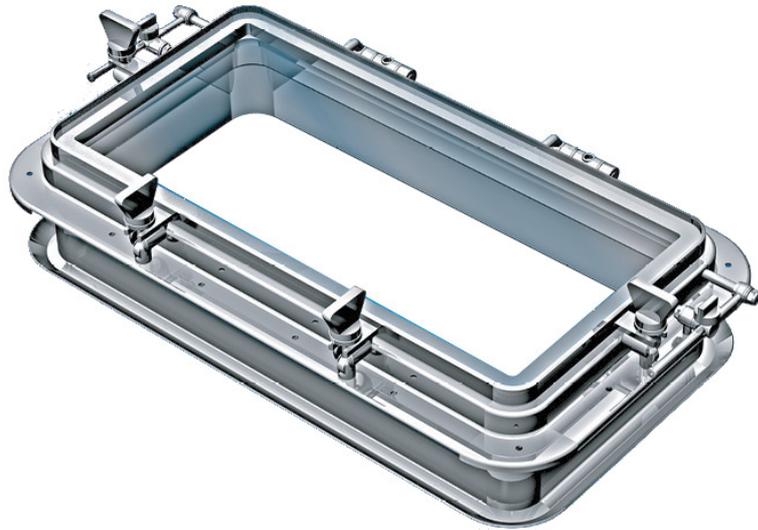
Accessories: outer frame, storm shutter, alarm sensor, mosquito net.

Our standards dimensions

Code	Glass CxD	Bulwark Hole ExF	Inboard External GxH
T01	402x152	444x194	490x240
T02	517x197	551x238	600x287
T03	585x285	618x318	693x393
T56	477x237	508x268	565x325
T58	819x164	846x191	906x251
T65 <i>fixed</i>	890x390	938x438	1024x524



RECTANGULAR PORTHOLES



Material: italian stainless steel AISI 316.

Finish: mirror polish.

Plate: monolithic glass thermal tempered, PMMA, laminated glass.

Plate's colour: on demand.

Gasket: closed cell expanded EPDM.

Opening/closing system: adjustable hinges, knobs or lever locking.

Accessories: outer frame, storm shutter, alarm sensor, mosquito net.

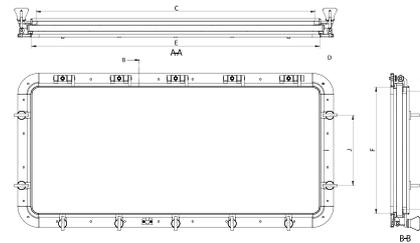
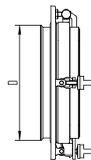
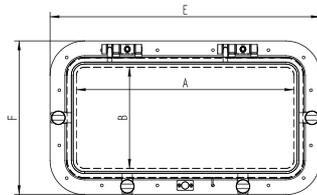
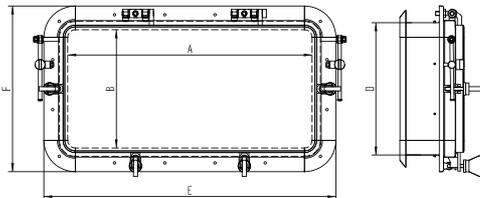
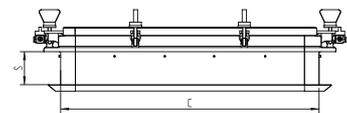
Our standards dimensions

Codice	Glass CxD	Bulwark Hole ExF	Inboard External GxH
T11	584x284	618x318	700x400

- T11 470x220mm
- T11 650x450mm
- T11 730x450mm
- T11 1020x450mm
- T11 781x810mm



TYPE APPROVAL



Sample of different configurations

PORTHOLES SPECIAL SERIES

Material: italian stainless steel AISI 316.

Finish: handmade mirror polish.

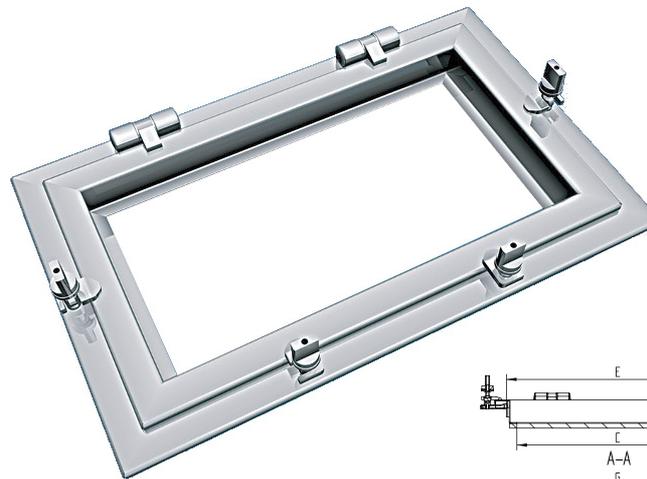
Plate: monolithic glass thermal tempered, PMMA, laminated glass.

Plate's colour: on demand.

Gasket: closed cell expanded EPDM.

Opening/closing system: adjustable hinges, knobs or lever locking.

Accessories: outer frame, storm shutter, alarm sensor, mosquito net.

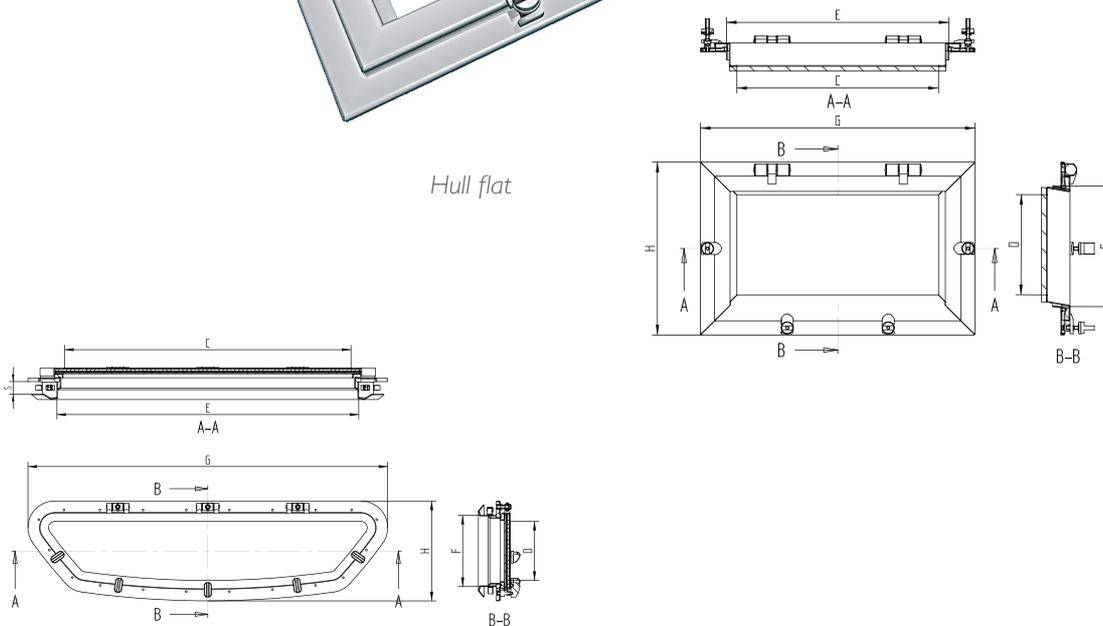


Patented



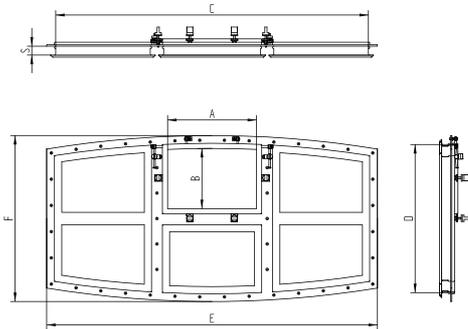
Custom shaped

Hull flat



Sample of different configurations

CORNER-CUT PORTHOLES



Material: italian stainless steel AISI 316.

Finish: handmade mirror polish.

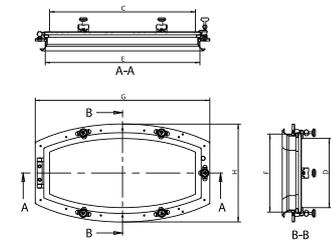
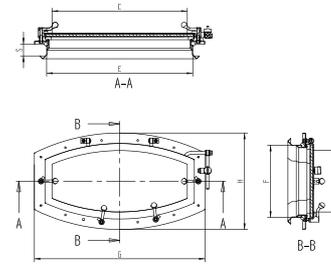
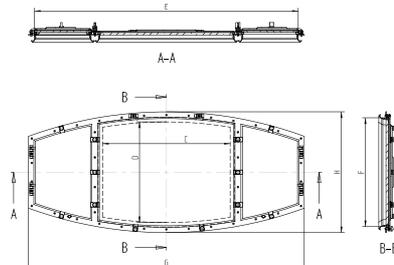
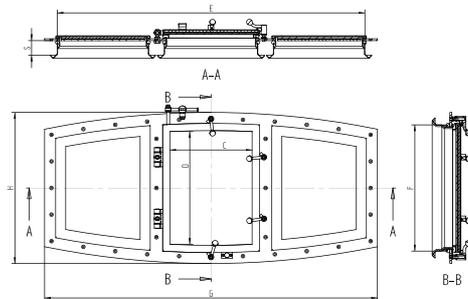
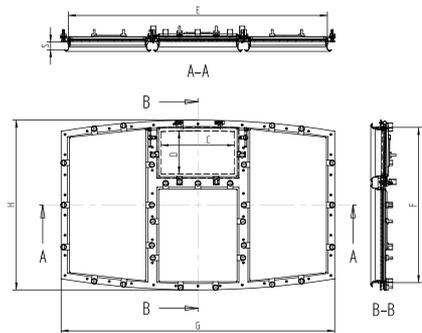
Plate: monolithic glass thermal tempered, PMMA, laminated glass.

Plate's colour: on demand.

Gasket: closed cell expanded EPDM.

Opening/closing system: adjustable hinges, knobs or lever locking.

Accessories: outer frame, storm shutter, alarm sensor, mosquito net.



Sample of different configurations







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