



Guarding the Nation with Robust Marine Security Solutions



Godrej & Boyce Mfg. Co. Ltd. | Godrej Security Solutions
 Registered Office: Plant No. 17, Pirojshanagar, Vikhroli, Mumbai - 400079, India.

Disclaimer: In view of the Godrej policy of continuous development and improvement, the dimensions and specifications may be changed without prior notice or obligation. Colours of the products shown in this catalogue may not match the actual colour of the product due to printing limitations. This product is designed and manufactured with recyclable material. At the end of life of this product, you may recycle all the components. Alternatively, you may seek guidance for disposal at 1800 209 9955.

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018



• Naval Submarine • Naval Ships • Coast Guard Ships • Commercial Ships



Greeting from the house of Godrej!

Pioneers and leaders for 125 years, Godrej has been reaching millions across India by providing solutions for homes, offices and industries. Godrej Security Solutions, the largest Indian manufacturer and marketer of security systems has been hailed as the nation's leading provider of comprehensive security solutions. We have always believed in providing utmost quality to our consumers. To ensure highest quality we have invested heavily in research and development, tools and technology, processes and resources and also in certifications and listings.

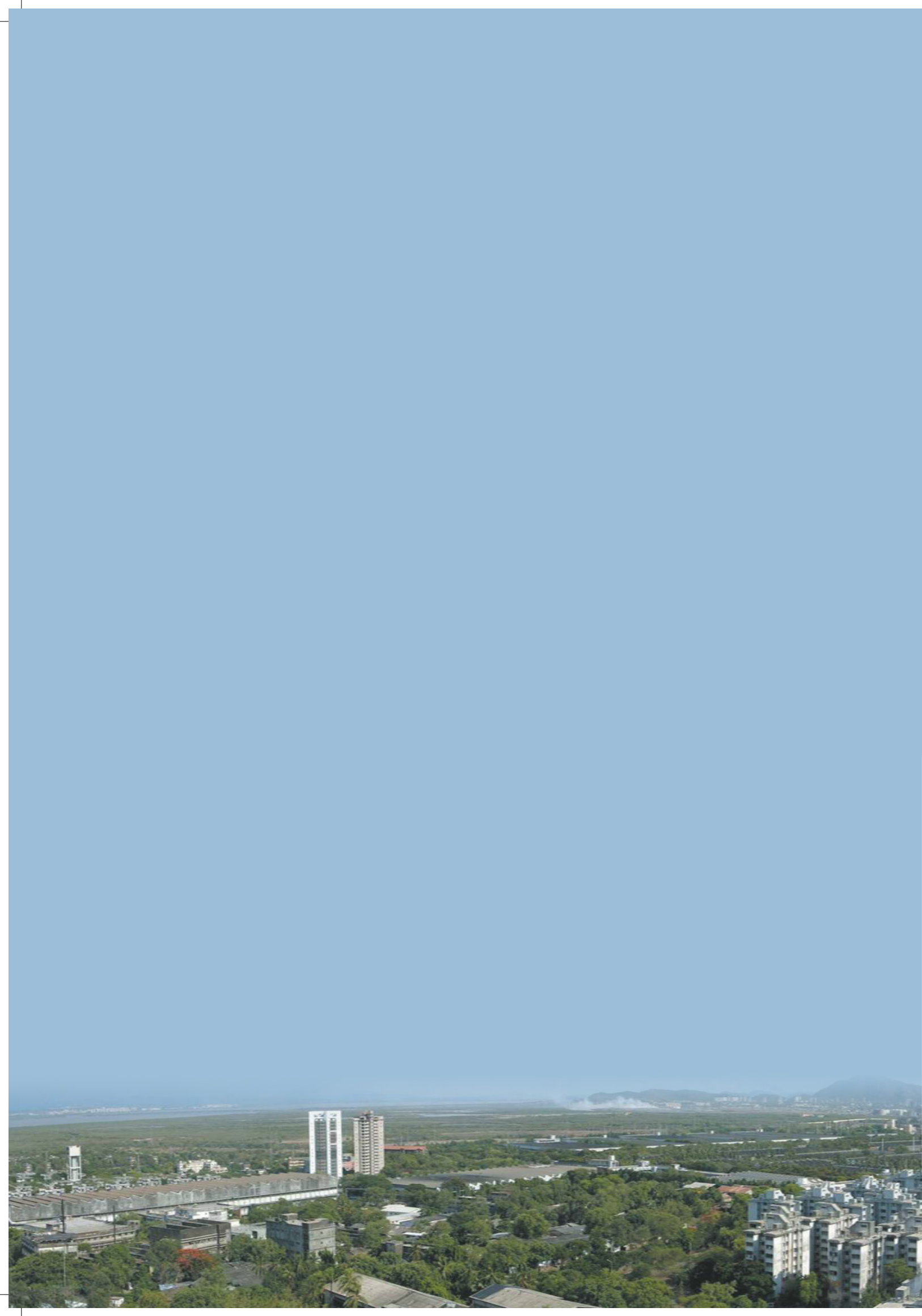
The trust showered on the brand over the years encouraged us to foray into the segment of Marine Solutions business with vigor. We cater to various segments in marine industry including Indian Navy, commercial ships and passenger vessels. With our team of experts, we want to take this endeavour miles ahead of our vision to hold the largest Indian market share for marine equipment, aiming at horizons beyond national borders, to manufacture and export the highest quality of marine equipment.

Godrej Security Solutions is the only company in its field to have won the most coveted Superbrand status.

Just like a hundred years ago, Godrej today is simply known as a company with global vision and Indian roots.

Our mission is to be a global brand in marine solution in the coming years.

Pushkar Gokhale
Vice President and Business Head
Godrej Security Solutions



About the Company



The 125 years old Godrej Group is one of India's largest and most respected business conglomerates, with diversified interests in fields of engineering goods, chemical fertilizer and consumer goods. Besides its commitment of offering solutions of the highest quality, Godrej has always been recognised for its strong values of fair, transparent ethical business practices.

Godrej Security Solutions is the largest comprehensive security solutions provider catering to a wide segment including the Indian Navy, the Indian Coast Guard, other sections of the defence services, airports, banks, commercial shipyards, embassies, nuclear power plants and sensitive corporate buildings. Keeping pace with a highly competitive market, we export our products to the USA, UK, Canada, various countries in the Middle East, Africa, SAARC Countries and Europe, besides emerging markets around the world.

One of our prominent lines of business, Marine Solutions is associated with the Indian Navy, Indian Coast Guard as well as commercial ships. We have

established ourselves as one of the most reputed manufacturers and suppliers of an array of marine equipment, specialising in water-tight doors, hatches, windows and scuttles, besides a range of pressure-tight doors and hatches for submarines.

Our design services include requirement evaluation, multiple solutions developments, concept validation and product development. Our design engineers are equipped with high-end software to provide solutions for varied security requirements.

Our manufacturing facility at Vikhroli in Mumbai, with its state-of-the-art technology and trained workmanship adheres to stringent domestic and international standards such as American Bureau of Shipping - USA (ABS), Bureau Veritas - France, Det Norske Veritas (DNV) - Norway, Indian Register of Shipping - India (IRS). All our products meet SOLAS and other classes' rules, besides quality norms to meet internationally accepted certification standards. Independent Quality Assurance department employs qualified inspectors for non-destructive tests.

Our products are backed with a one-year warranty and our strong pan-India presence enables us to offer a superior after sales service backup. Our strong financial mobility allows us to confidently undertake and execute large projects.

Journey so far...

2005

1st Indigenous manufacturing of Electro-Hydro Sliding doors & awarded type approval for WT Sliding doors from DNV, Norway

2006

Prestigious order for 700 Doors and Hatches from Garden Reach Shipyards (Project P28) and Mazgaon Dock Ltd. (Project 15A)

2007

Established a set up for manufacturing Submarine Pressure-tight Doors and Hatches

2008

Successfully manufactured indigenous prototypes of Submarine PT Doors and Hatches

2010

Awarded Project P71 prestigious order of Water-tight doors for 1st Indigenous aircraft carrier

2013

Prestigious order from M/s Mazagaon Dock Shipbuilders to supply 1200 WT Doors and Hatches for Project P15B

2015

Successfully designed and manufactured A60 Doors and supplied to MDL for Project P15B

2018

Established a set up for manufacturing Emergency Escape Scuttle/Hatch

2019

Successfully designed and manufactured the Hydraulic Sliding Torpedo Door and supplied to Myanmar Navy

2020

Successfully designed and Manufactured the Doors and Hatches with Electronic Access Control for L&T Mumbai Trans Harbor Link



Submarine Pressure-tight Door and Hatch



NAVAL
SUBMARINE



Application

Provides access to compartments through the hull in underwater vessels

Equipped with pneumatic cylinder for quick and remote closing in case of emergency

Operating pressure:

Can be customised for higher pressure

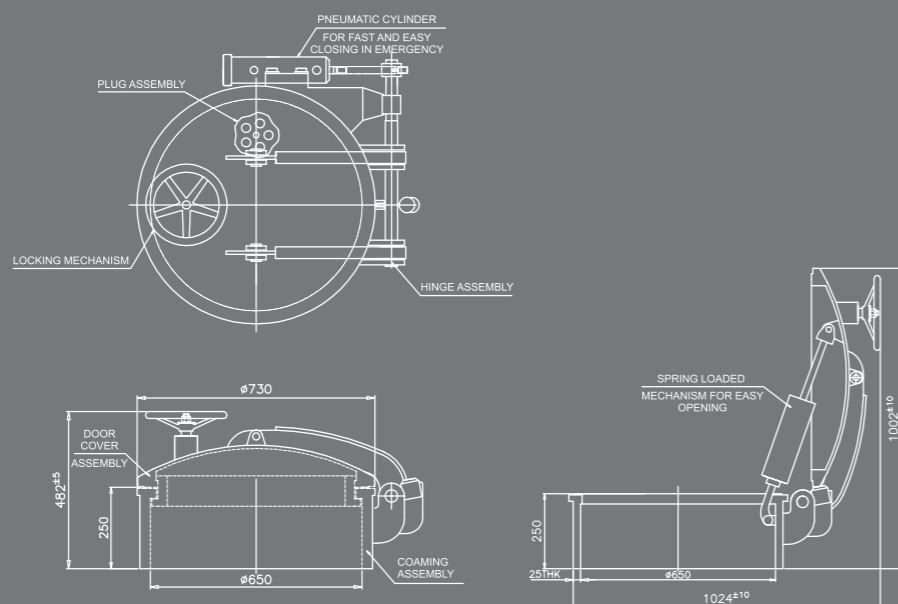
Material

Marine-grade Steel with high strength and high impact properties

Dimension

Can be customised as per your requirement

PRESSURE-TIGHT HATCH



All dimensions are in millimeters
Not to Scale



Picture illustrated is hatch along with testing fixtures

Submarine Pressure-tight Door and Hatch



NAVAL
SUBMARINE



Application

Provides access across the bulkhead between adjacent compartments in underwater vessels

Operating pressure:

Can be customised for higher pressure

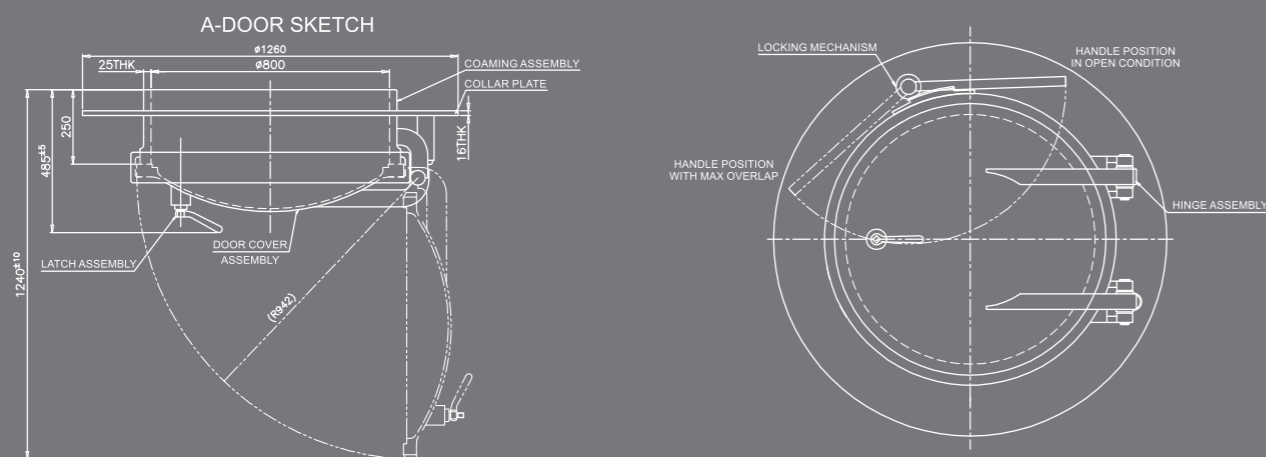
Material

Marine-grade Steel with high strength and high impact properties

Dimension

Can be customised as per your requirement

BULKHEAD DOOR



All dimensions are in millimeters
Not to Scale



Picture illustrated is hatch along with testing fixtures

Submarine Pressure-tight Door and Hatch



NAVAL
SUBMARINE



Application

Provides access to compartments through hull in underwater vessels

Equipped with balancing mechanism for controlled opening and easy closing

Operating pressure:

Can be customised for higher pressure

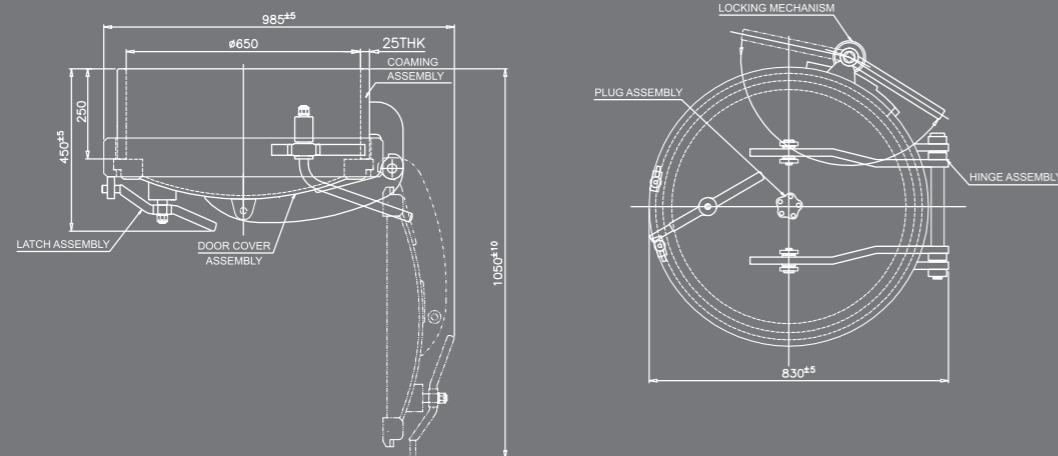
Material

Marine-grade Steel with high strength and high impact properties

Dimension

Can be customised as per your requirement

PRESSURE-TIGHT HATCH



All dimensions are in millimeters
Not to Scale



Picture illustrated is hatch along with testing fixtures

Electro-Hydraulic Water-tight Sliding Door



COMMERCIAL SHIP
NAVAL SHIP



Application

Primarily used in Marine Vessels for Engine rooms

The system consists of following main components:

1. Hydraulic Power Pack with accumulator
2. Electrical Control Panel
3. Hydraulic Cylinders

Pressure Rating: 2.5 kg/cm²

Type Approval: **DNV**

Class Certification: **BV**

Material

MS 2062 / Marine-grade Steel e.g. LRS Grade B
Aluminium

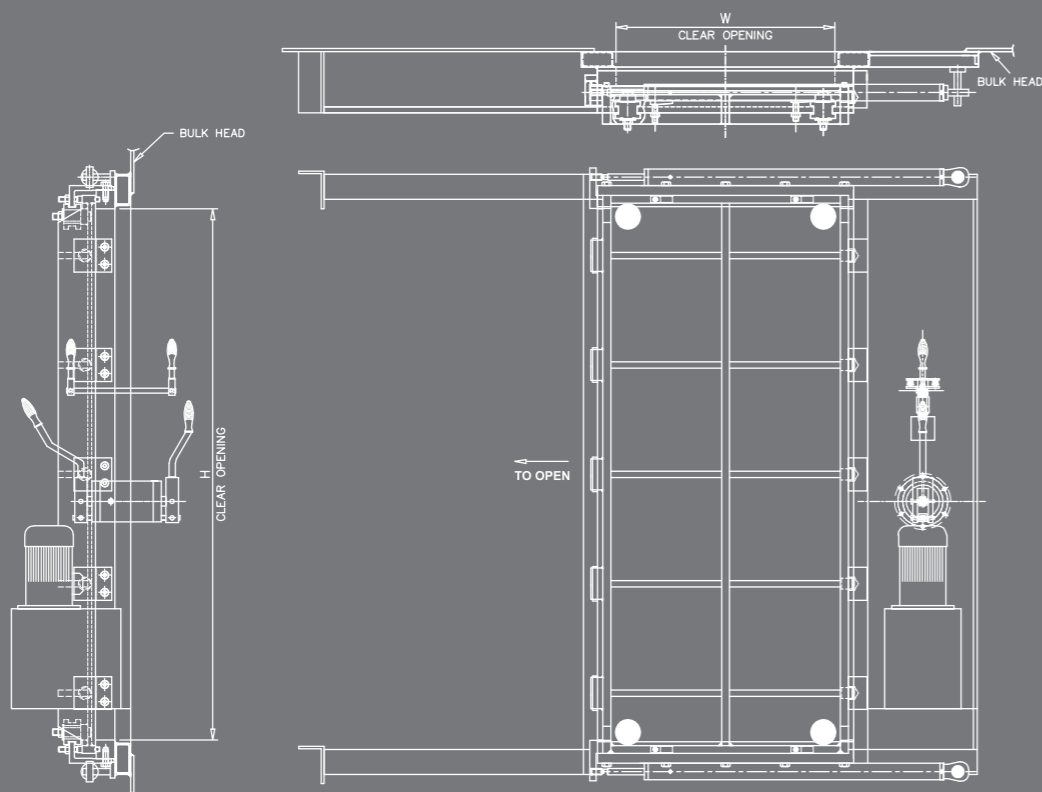
Dimension

Standard Dimensions

- 1700x700
- 1720x760
- 1900x760

Can be customised as per your requirement

ELECTRO-HYDRAULIC WATER-TIGHT SLIDING DOOR



All dimensions are in millimeters
Not to Scale



BUREAU
VERITAS



DNV

Marine Water-tight and Gas-tight Door



NAVAL SHIP



Application

Primarily used in Naval and Coast Guard ships' water-tight and weather-tight compartments

Cold formed single piece shutter for Door
Z Section for Door Frame
P type rubber gasket

* Production Capacity up to 80 Doors/Month
* Meets NCD standards

Options:

1. Fire Rated A60 WT/GT Doors
2. EMI/EMC Shielding (CAT A Doors)

Material

Marine-grade Steel e.g. LRS Grade B
Aluminium

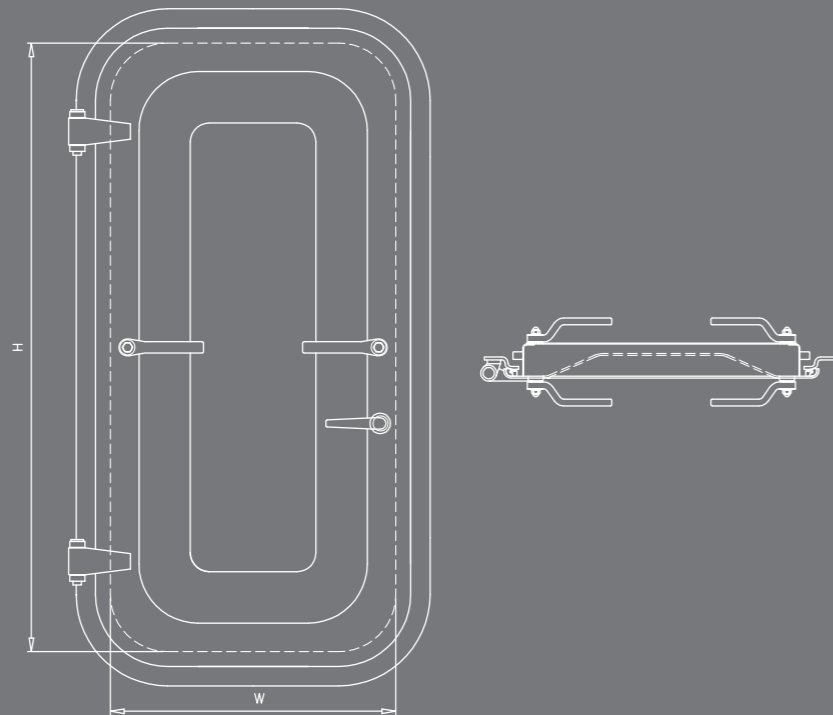
Dimension

Standard Dimensions

- 1600x750
- 1400x600
- 1700x1200
- 1700x1000
- 1800x750

Can be customised as per your requirement

WATER-TIGHT AND GAS-TIGHT DOORS



All dimensions are in millimeters
Not to Scale



Picture illustrated here is door along with spring hinge

Marine Water-tight Hatch



NAVAL SHIP



Application

Primarily used in Naval and Coast Guard ships' water-tight and weather-tight Deck Level

Cold formed single piece Hatch Cover
Coaming construction in Two 'C's
Simplified 'Hold' assembly for Hatches
P type rubber gasket

* Production Capacity up to 80 Hatches/Month

* Meets NCD standards

Options: EMI/EMC Shielding (CAT A Hatch)

Material

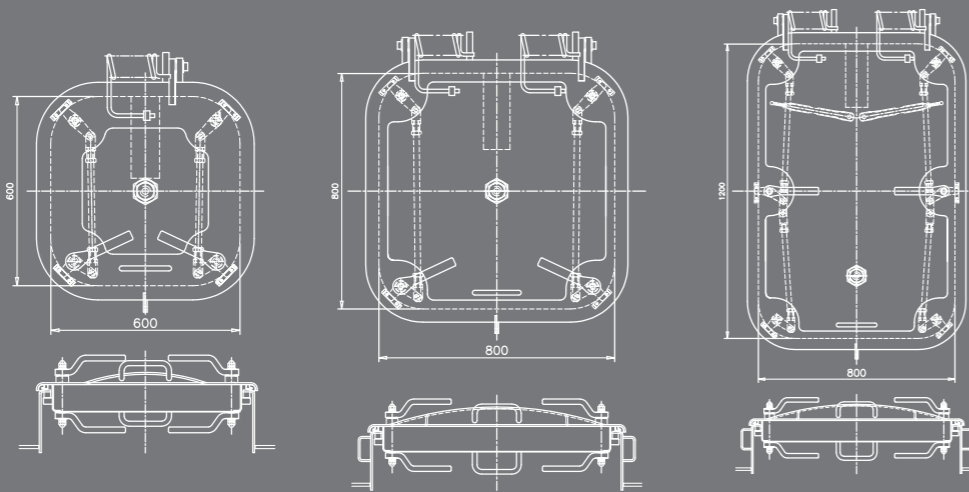
(Hatch Cover and Coaming)
Marine-grade Steel e.g. LRS Grade B Aluminium

Dimension

Standard Dimensions

- 600x600
 - 800x800
 - 1200x800
- Can be customised as per your requirement

WATER-TIGHT HATCH



All dimensions are in millimeters
Not to Scale



Non-Embossed, Fabricated Door



COMMERCIAL SHIP
CRUISE SHIP



Application

Primarily used for all water-tight and weather-tight compartments

Options

Individual clip type, Double lever, Single lever Quick Acting Type, Wheel type

Material

Marine-grade Steel or IS 2062

Dimension

Can be customised as per your requirement

Hydraulic Sliding Torpedo Door



NAVAL SHIP



Application

Primarily used for Naval vessels for Torpedo Launcher compartment

Hydraulic vertical sliding door, programmed to operate in Auto/Manual mode

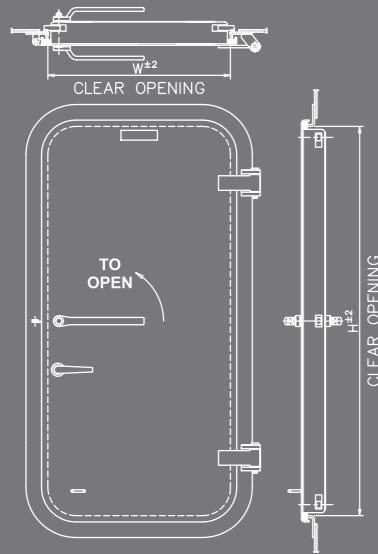
Material

Marine grade steel e.g. LRS Grade B or IS 2062

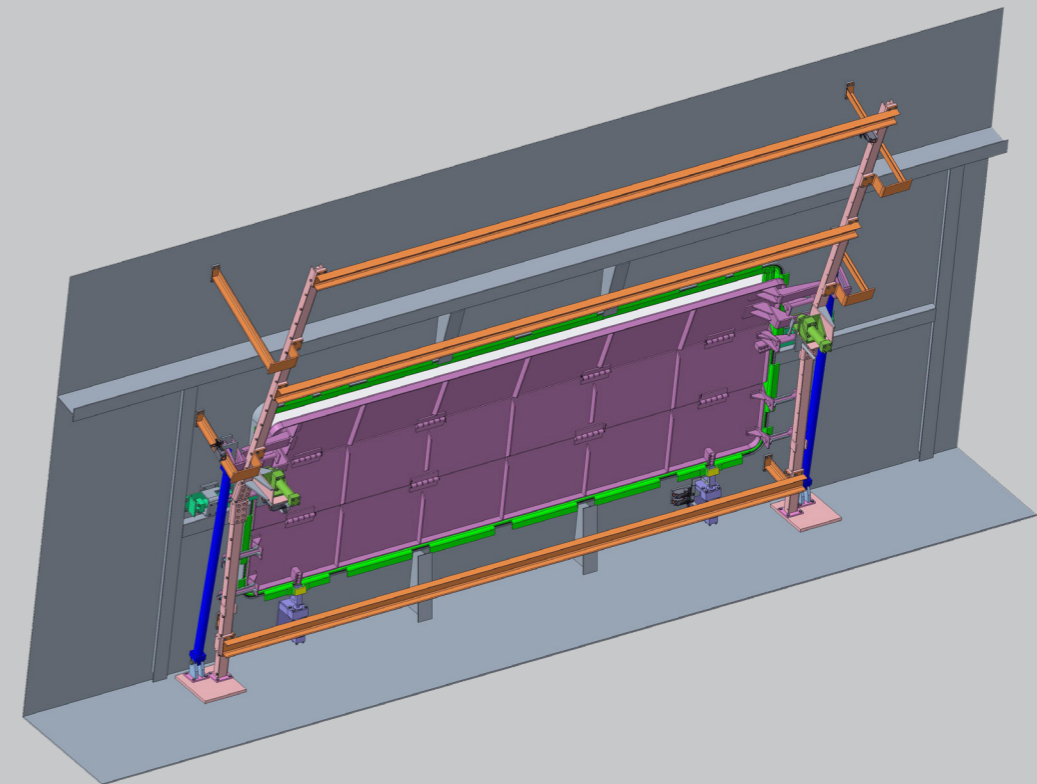
Dimension

Clear opening
1500x3800

Can be customised as per your requirement



All dimensions are in millimeters
Not to Scale



Water-tight Door with Access Control



COMMERCIAL SHIP



Application

Primarily used to provide access to only authorised person in restricted area

Material

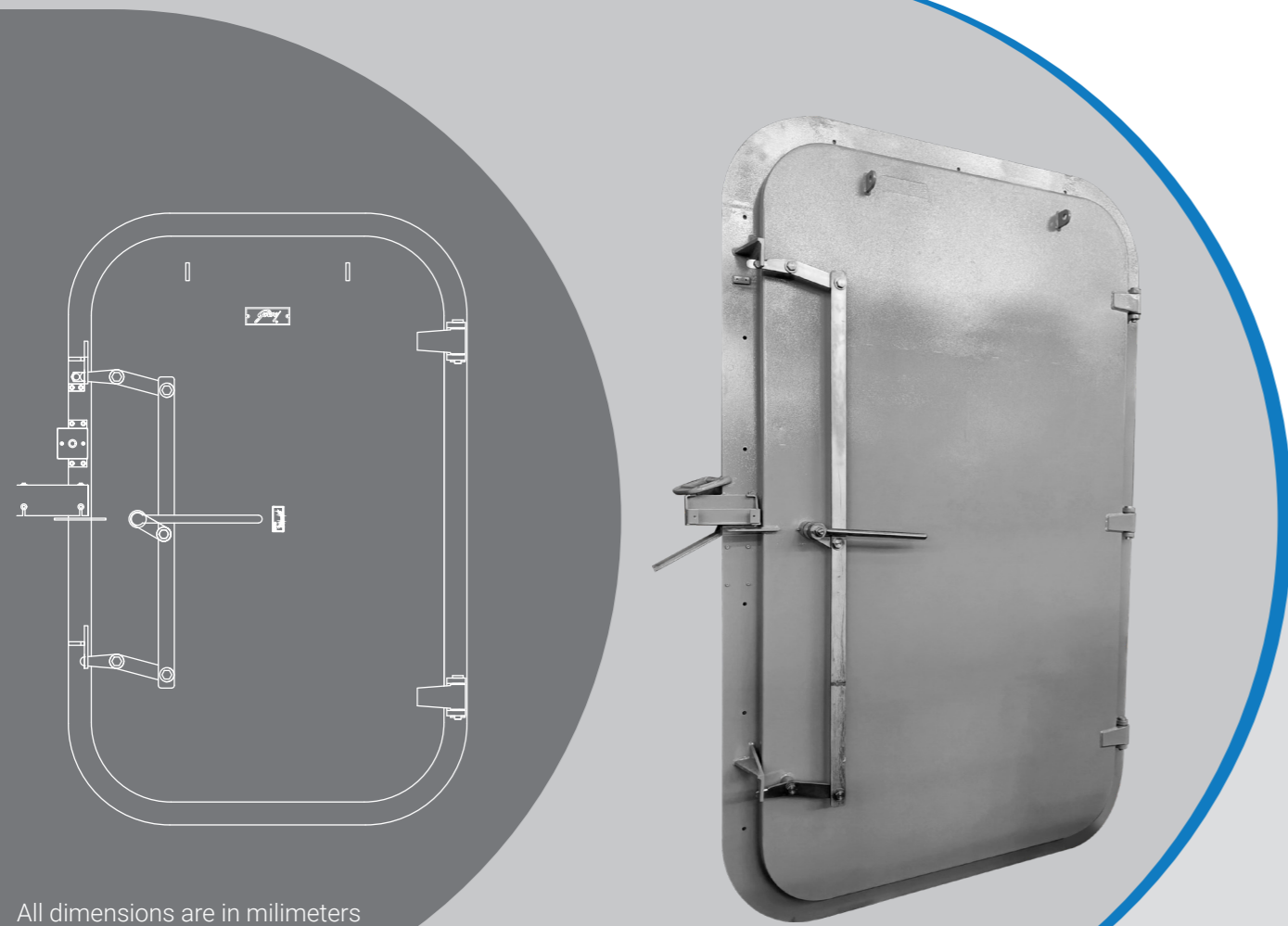
Marine grade steel e.g. LRS Grade B or IS 2062

Dimension

Clear opening
1840x1040
2240x1290 Can be customised as per
1540x940 your requirement

Locking Option

1. Padlock as per EN12320
2. Access control with central monitoring system
3. Security rating: Equivalent to LPS 1175 SR3



All dimensions are in millimeters
Not to Scale

Water-tight Hatch with Access Control



COMMERCIAL SHIP



Application

Primarily used to provide access to only authorised person in restricted area

Material

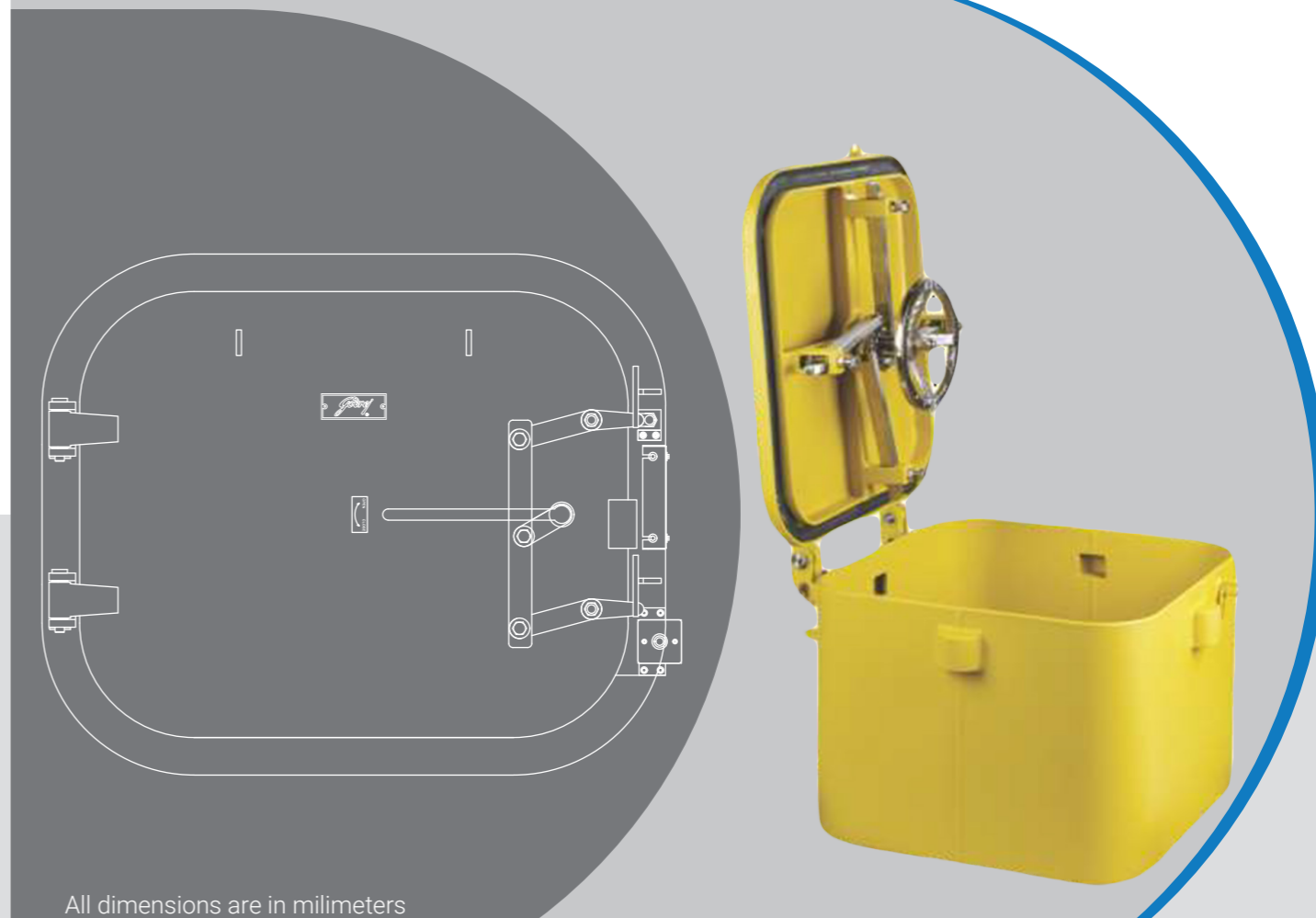
Marine grade steel e.g. LRS Grade B or IS 2062

Dimension

Clear opening
1020x820
1040x840

Locking Option

1. Padlock as per EN12320
2. Access control with central monitoring system
3. Security rating: Equivalent to LPS 1175 SR3



All dimensions are in millimeters
Not to Scale

Emergency Escape Scuttle and Hatch



NAVAL SHIP



Application

Primarily used for all weather-tight and water-tight compartment
As per NCD 1449

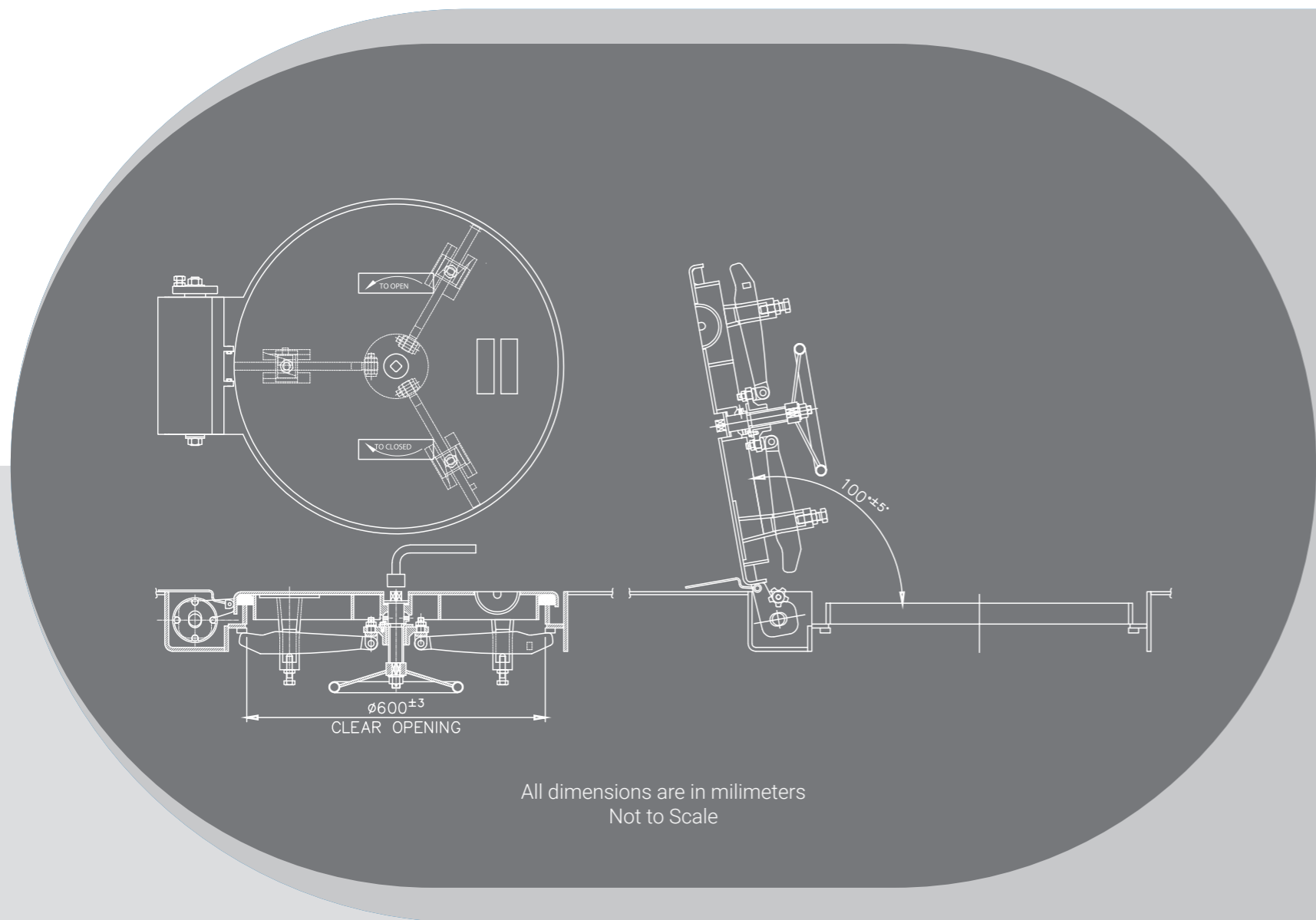
Dimension

Clear opening
Dia. 600 mm
600x600 mm

Material

Marine grade steel e.g. LRS Grade B or IS 2062

EMERGENCY ESCAPE SCUTTLE AND HATCH



Versatile, Flexible, Reliable



Our prime endeavour is to help our esteemed customers to meet their dreams, their goals. In pursuit of that, we always try to provide customised solutions for marine application with the help of our well developed indigenous manufacturing facility and state-of-the-art surface treatment plant, painting and testing facility.

Our highly skilled work force and manufacturing facility for fabrication and precision machining can take varied range of projects on marine applications as per customer requirements. High financial mobility enables us to take projects with virtue of large scale production facility at our plant.

We possess exclusive design department equipped with the latest software. We take pride in providing optimum solutions to customised security requirements. Designs can be validated in photoshop with full scale mockups.



We enthusiastically take up challenging projects to provide indigenous solutions with varied dimensions, material specifications or pressure rating. We have adopted a comprehensive and strict quality regime that consists of design checks, quality assurance, process control as well as thorough scrutiny of all final products as per different national and international standards. This enables us to continually deliver products of the highest quality.

