

General

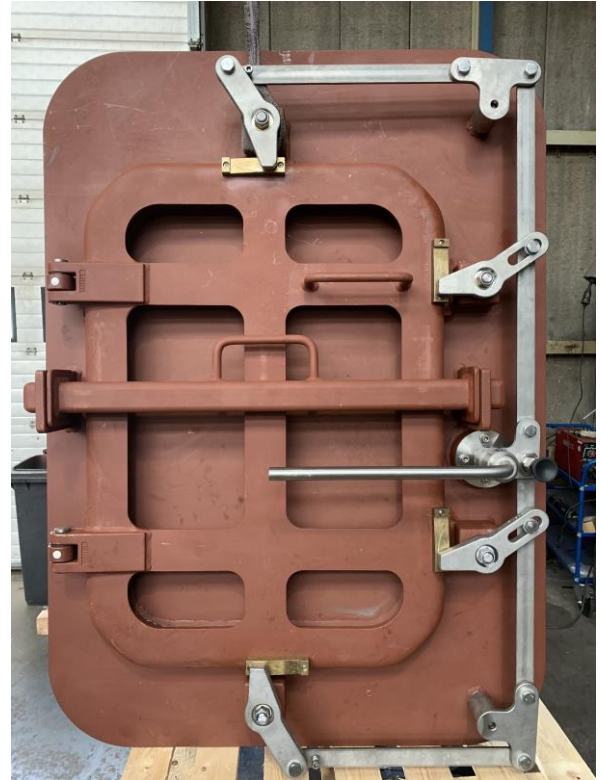
The manual operated pilot / bunker door is compact engineered door. It is supplied as a completely finished and tested unit, ready for welding into the hull. It combines the well-known proven mechanical design of the door and benefits of Winel musketeer cleating mechanism. Available in a range of sizes and options.

The design and manufacture of is in compliance with the class and IMO/SOLAS safety regulations for to fulfil the watertight or weathertight integrity of the vessel

Description/ operation & control

The door turns open inwards and is to be opened and cleated by hand. For additional safety the door is equipped with a manual strongback (bar).

Door and coaming is suitable for a flush hull design.



Alarm/indication signals

The hatch is supplied with a IP68 sensor which indicates if the door is closed and if cleats are in place.

Specifications

Size:

Min 800 mm x 550 mm; Max 1800 x 750 mm clear opening

Material

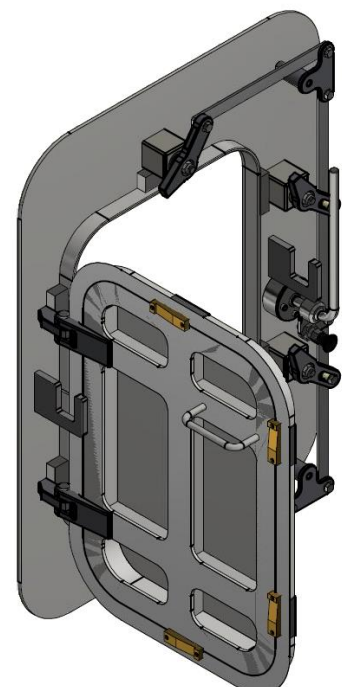
Coaming and cover: Steel Grade A
All Axles and bushes and cleats: Stainless steel 316

Water pressure

Watertight; max 3 mWc

Surface treatment

Standard 1 layer Shopprimer Hempel



Installation, operation and maintenance manual

Two (2) hard copy in English language.
One (1) CD-Rom in English language.

General arrangement drawings

See GA drawings.

Options

A60 insulation

The hatch door is insulated with MED approved A60 insulation material for steel bulkhead; single side; A60. Insulation will be covered by a galvanised plate or stainless steel plate. Please note that the door is not an A60 MED certified door.

Thermal insulation

The hatch door is insulated with MED approved Thermal insulation material for steel bulkhead. Insulation will be covered by a galvanised plate or stainless steel plate

End-layer paint

The door can be coated in end-layers, please specify type of coating/make and layer thickness

Door hook

GSV 236 to secure door in open position

General

Winel hand operated pilot / bunker musketeer door with optional insulation and a **8 mm** door blade. Operation by means of a Winel musketeer system; Stainless steel central closing mechanism (adjustable and maintenance free) with quick acting handle on inside; Stainless steel adjustable hinges.

Selection

| | |
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| | Door reference |
| | Which door reference number to be used on door packing label: |

| | |
|--|---|
| | Clear opening |
| | Width (minimum 550 mm – maximum 750 mm) |
| | Height (minimum 800 mm – maximum 1800 mm) |

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| | Hinge direction |
| | Right hinged , when you open the door towards you the hinges are on the right side |
| | Left hinged , when you open the door towards you the hinges are on the left side |

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| | Insulation |
| | Non |
| | Thermal insulation Rockwool Marineslab 55 |
| | A60 firemaster |

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| | Finishing Cover Plate in case of Insulation (closing mechanism remains visual) |
| | Galvanized cover plate |
| | Stainless steel cover plate |

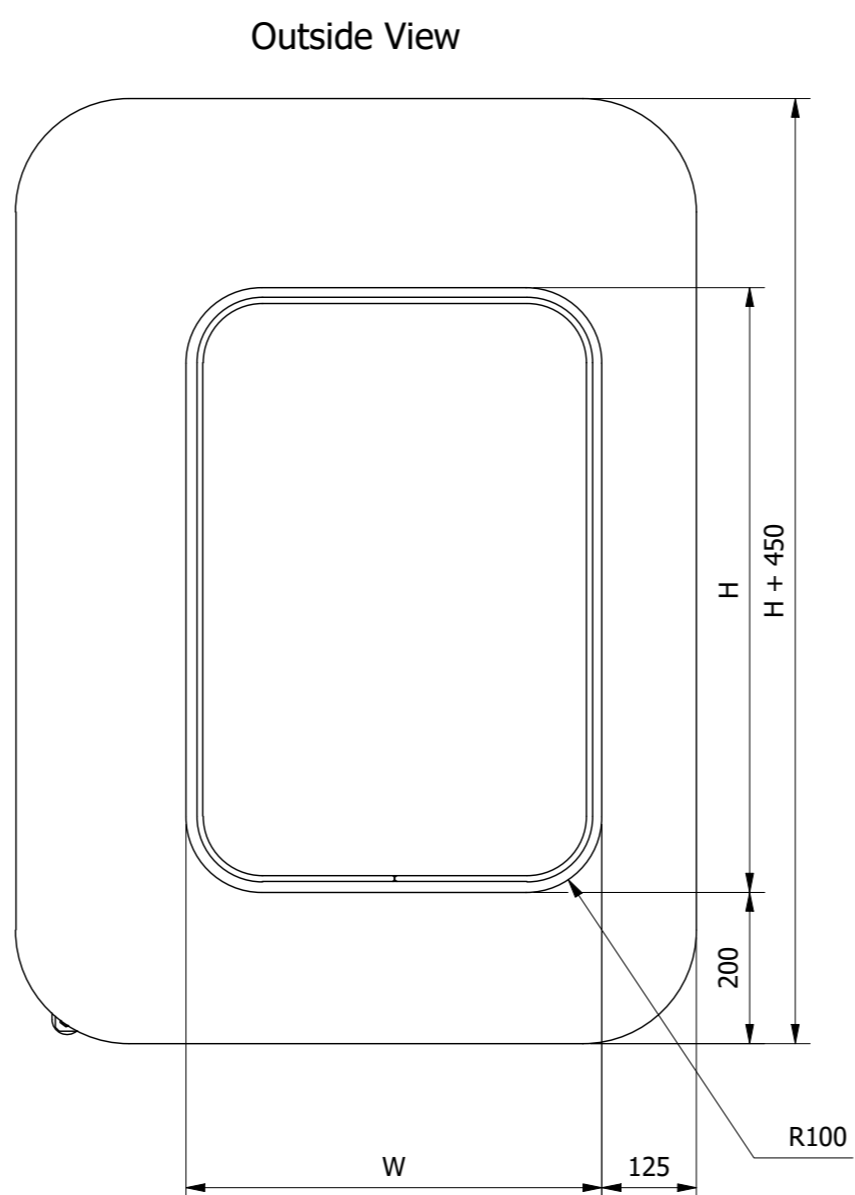
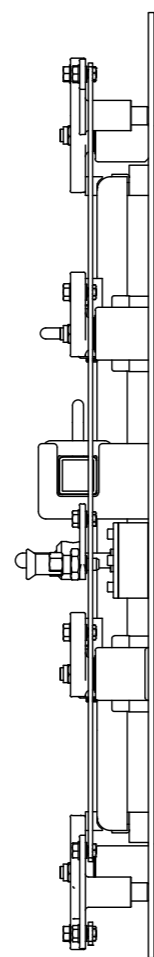
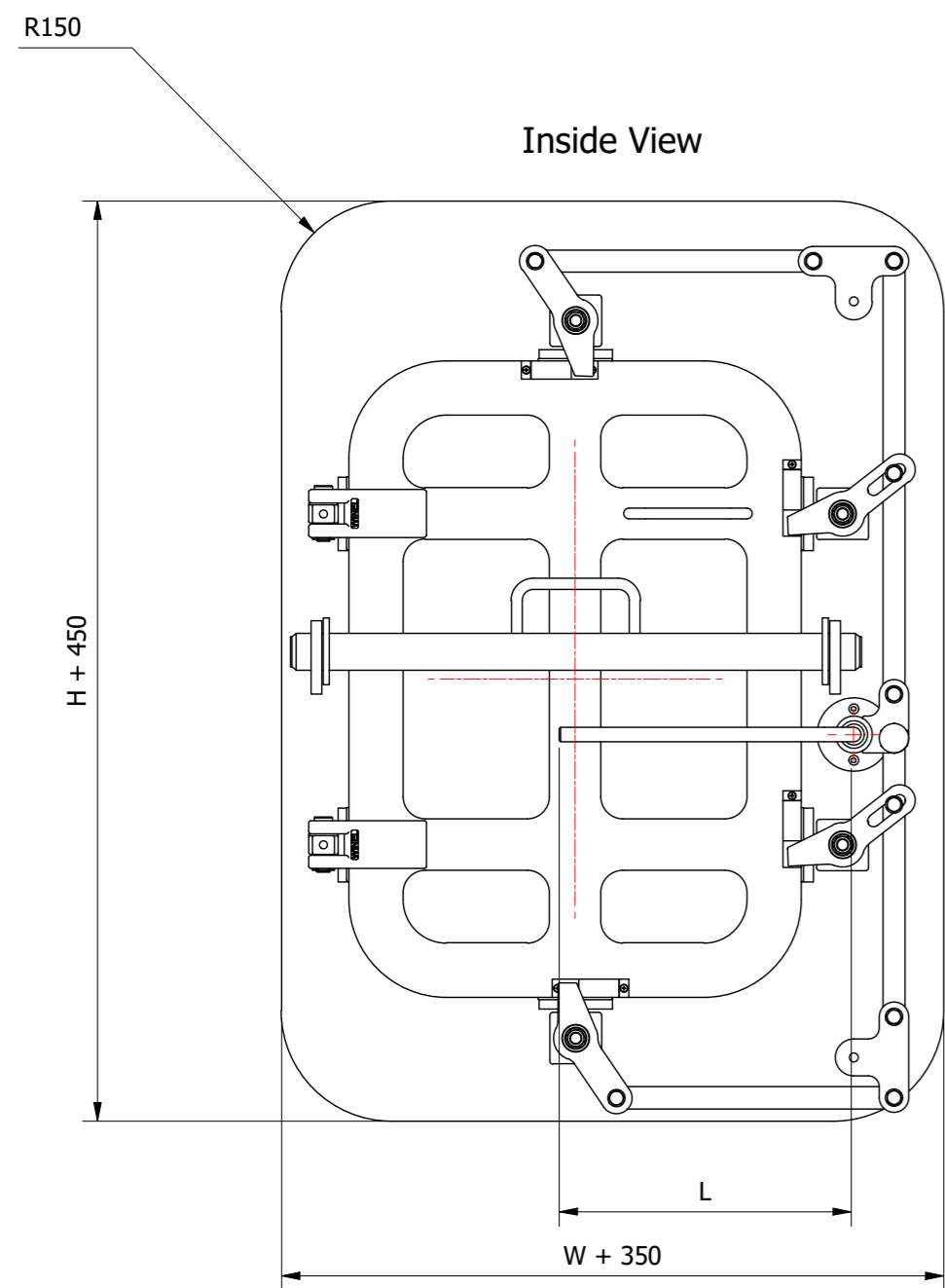
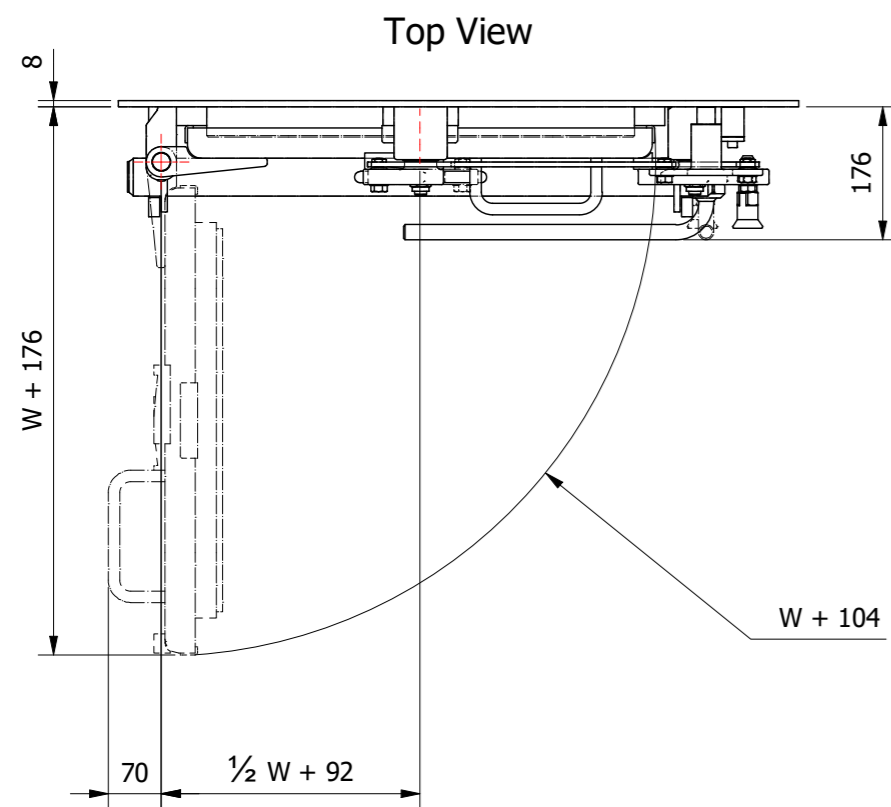
| | |
|--|---|
| | Finishing |
| | All welds inside the door blade are intermediate welded;preparation level according ISO-NEN8501-P1 (standard) |
| | All welds inside the door blade are 100% continuous welded;preparation level according ISO-NEN8501-P1 |

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| | Non functional options |
| | Softcopy of the installation, operation and maintenance manual in the English language (standard) |
| | A hard copy of the installation, operation and maintenance manual in the English language |
| | Drawing, a custom made drawing is send for approval |
| | Factory acceptance test at our premises acc. to Winel shoptest form |

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| | Painting |
| | Primed with shopprimer Hempel E1527C; 20mu (Standard) |
| | End layer; specify:..... |

Options

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| Sensor | M18 IP68 proximity switch incl. bracket |
| Locking | Door hook; GSV 236 |
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Doorplate: Grade A / Aluminium / Stainless Steel ; 8 mm
 Coaming: Steel / Aluminium / Stainless Steel,
 Cleats: Cast stainless steel: 1.4408 / ATSM CF8M equivalent to 1.4404 / AISI 316
 Mechanism: Stainless Steel 1.4404 / AISI 316L
 Seal: Seal 42.5x20.4 EPDM
 Wedge: Brass / POM
 Hinge: Stainless Steel or Aluminium with Orkot® bearing and Stainless Steel Axle

Clear Opening: H x W
 Cut in plate: H + 450 x W + 350 , TBD.
 Outside dimensions: As CIP
 Handle length: L =400
 Shell plating: Thickness min. 8 mm to be checked with Class Requirements Outside dimension are minimal!
 Strong back: Dimensions of strong back to be checked in accordance with CO dimension

| | | | | |
|---|--|-----------|----------------|------------|
| Revision Description | | RM | 3-2-2022 | - |
| | | Name | Date | Rev |
| Weight: 161,712 kg | | Status: | WorkInProgress | |
| | | Engineer: | RM | 21-1-2022 |
| American projection: | Description: WET, 4 Cleats LH Inwards, Bunker/Pilot Door | | | |
| Reference: Winel product catalog | | | | |
| Drawing number: 9545.1 XXXX | | | Rev. | Sheet Size |
| | | | - | 1 / 1 A2 |
| <small> info@winel.nl Dr. A.F. Philipsweg 55 www.winel.nl 9403 AD Assen +31 (0)592 366 060 The Netherlands </small> | | | | |
| The drawing and design shown is our property and may not be used or disclosed for any third person without our specific written approval. | | | | |