

Product specification

Water tight musketeer scuttle

Article code 4H15.1

/// Musketeer scuttle hatch Q-line (Article code 4H15.)

The Musketeer scuttle hatch is a standardized water tight flush round hatch.

It is supplied as a completely finished and tested hatch, ready to weld in. It is equipped with the well-known Winel Musketeer closing mechanism. The enclosed drawing presents the exact execution of the described hatch.

/// Class society approval

The design and manufacture of the hatches is in full compliance with the class regulations regarding water tight hatches and can be individual approved by all major classification societies. Which rules and regulations are applicable depends on the type of vessel, classification society and the position on the ship. We assume that the approved door & hatch plan covers the approval to place this door on that specific position.

/// Specification

Cover:

8 mm steel/stainless steel, 2 stainless steel adjustable hinges, 3 closing points and loose supplied 45x20mm EPDM shore 45 seal.

Welding: Continuously

Coaming:

8 mm steel/stainless steel plate material, the gasket side is rounded ($r=2$) to prevent damaging of the seal. Stainless steel hatch stoppers are placed on the position of the closing points

Operation:

Central closed Musketeer system with galvanized steel closing points. Self braking cleats operate with single action on the handle. Light operation due to 1:33 force transmission. Cleats are fully adjustable. The brass wedges are placed on the frame and are in the clear opening of the hatch (size: 6 mm). Hatch is operated by stainless steel handles. Both handles are removable, by removing the top side handle the hatch is flush.

Closing points:

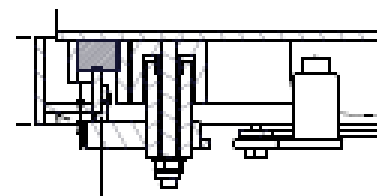
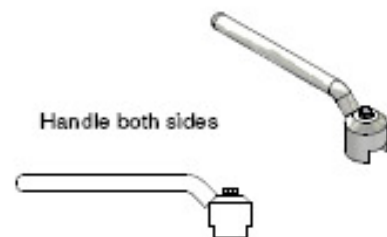
The standard hatch is equipped with three closing points. The adjustable hinges create the gasket compression on the hinge side.

Hinges:

The hinges are adjustable in height. Adjusting can be done with standard tools. The hinge bracket and foundation is made of stainless steel. The hinge points have a fixed turning point.

Gas spring:

No opening support.



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Article code 4H15.1**Bearing material:**

Orkot® Marine Bearings are manufactured from a unique synthetic composition incorporating solid lubricants for dry running to ensure outstanding wear life. Virtually no swelling in sea water and very low thermal coefficient of expansion provide dimensional stability in arctic and tropical seas. They do not corrode or promote corrosion of the housing and tolerate both edge loading and misalignment.

Drains:

Drains are not foreseen. After installation the yard can provide drains on their specific location in the required size. Advised position is at the hinge side.

Available sizes:

Clear diameter: 500,550,600,650,700,750,800 mm

Surface treatment:

Shot blasted SA2,5 and primed with one layer of Hempel shop primer E1527C, minimal 20 Mu,
Cleating rods, cleats, handle and mounting materials: stainless steel.

Available options**Seal groove double coated (article code 3H15.001):**

Seal groove double coated white CM7566 & seal glued into the groove.

Close indication (article code 3H15.002):

Proximity switch, Siemens M18, IP68 3RG4013 with 2 mtr cable and welding bracket.
(Loose supplied)

Locking pin into the cleating rod (article code 3H15.003):

A pin locking device is added on the cleating system. A brass butterfly bolt is mounted on the lever of the musketeer mechanism. By using this butterfly bolt the musketeer system is locked from the inside of the hatch.

Hardcopy installation, operation and maintenance manual (article code 3H15.004):

Hard copy in English language

Handgrip pocket (article code 3H15.005):

A handgrip is placed on a suitable place in the cover; the handgrip is made of a pipe cap with a bar in case of a insulation system is added there is no insulation on the backside of the handgrip pocket.

Acoustic insulation (article code 3H15.TD001):

An insulation system is added on the cover between the stiffeners as described in the product sheet TD001. The insulation is covered by a 2 mm galvanized cover plate. The closing mechanism is visible.

Thermal insulation (article code 3H15.TD003):

An insulation system is added on the cover between the stiffeners as described in the product sheet TD003. The insulation is covered by a 2 mm galvanized cover plate. The closing mechanism is visible.



// Packing

Packed according our standard packing instructions, on a wooden pallet.

// How to specify a watertight scuttle (4H15.1):

By selecting the right specification the article is specified:

Article code **4H15.11.600**= Water tight musketeer scuttle,with gas spring steel 8 mm doorplate, steel coaming, with a clear opening of 600 mm

Code	Execution
1	Steel coaming, steel cover
2	Steel coaming, stainless steel cover
3	Stainless steel coaming, steel cover
4	Stainless steel coaming, stainless steel cover
.	Separation sign
	Clear diameter
500	500 mm
550	550 mm
600	600 mm
650	650 mm
700	700 mm
750	750 mm
800	800 mm

Specify options :
Specify water pressure : Max 7Mwc
Specify class society :
Quantity :