

H-15 H / H-30 HH

H Class CERTIFIED FIRE-PROOF HEAVY DUTY HINGED DOOR

EXTERNAL DOOR FOR EXPLOSIVE AREAS

External hinged doors for offshore constructions as protection against hydrocarbon fires and explosions. Reinforcement plates for hinges and door closer is provided and welded on the inside of the door leaf. The profile of the frame is shaped to give maximum tightness, with 3 separate areas of impact. The frame is delivered for bolting or welding. The hinges are bolted to the door leaf and welded to the door frame.

OPTIONS

- Recessed handles
- Panic escape devices
- Door closer
- Electric door operation
- Electronic locking
- Pneumatic door operation
- Extra locking features
- Heat or earth cable
- Hold open features
- Door stoppers
- Wind chain kit
- EMC protection
- Limit switch for surveillance
- Electronic access control



H-15 H

H-30 HH



Description	H-15 H ETO single hinged	H-30 HH ETO double hinged
Fire Class	H-15 (H-0)	H-30 (H-0)
Door leaf	2 mm painted mild or stainless steel	2 mm painted mild or stainless steel
Frame	3 mm painted mild or stainless steel	3 mm painted mild or stainless steel
Finish	STANDARD finish: Powder coated in accordance with Baggerød paint procedure (Acid wash and Wet paint can be supplied)	STANDARD finish: Powder coated in accordance with Baggerød paint procedure (Acid wash and Wet paint can be supplied)
Thickness of door leaf	80 mm	80 mm
Hinges	4ea special design stainl. steel with grease nipples	4ea special design stainl. steel with grease nipples
Max size (Clear opening W x H)	1000 x 2300mm	2500 x 2747mm
Sound reduction	Rw=44 dB	Rw=44 dB (Based on test of single door)
Air and gas tightness	0.4 m3/hm2 at 50 Pa	0.4 m3/hm2 at 50 Pa (Based on test of single door)
Application	Offshore platforms	Offshore platforms

PART CONFIGURATION FOR EXTERNAL HINGED DOORS

Used for Baggerød AS external door series, HB-5000, HB-6000, H-0H and H-120H. Door specific parts are addressed with the door series name. There can be several configurations of doors in a project. See door schedule and GA drawings for exact configuration on each door. Unless specially specified in the contract, Baggerød **does not** make door specific data sheets.

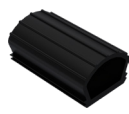
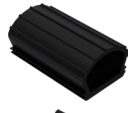
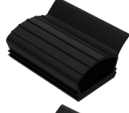
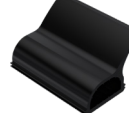
BASIC DOOR PARTS

These are the basic parts that are included on the doors.

Some parts have impact on direction, these parts are marked as LH for left handed/left hinged and RH for right handed/right hinged.

	Article number	Description	Material
	31000	Installation kit for: HB-5000, HB-6000, H-0H • Installation gasket (18004) • Bolts for door frame • Bolts for hinges • Washers and shims	AISI316L mix
	31005	Installation kit for: H-120H • Installation gasket (18004) • Bolts for door frame • Bolts for hinges • Washers and shims	AISI316L mix
	10006310	Installation kit for: H-120HH • Installation gasket (18004) • Bolts for door frame • Bolts for hinges • Washers and shims	AISI316L mix

GASKETS

	Article number	Description	Material
	18001	Inner gasket for frame/threshold. Size 14x20mm HB-5000, HB-6000	Fire retardant silicon
	18009	Inner gasket for frame/threshold. Size 18x24mm H-0H, H-120H	Fire retardant silicon
	10008412	"Weather gasket" for door-leaf. Size: 30x24	Fire retardant silicon
	10008413	"Weather gasket" for door-leaf. Size: 30x24 For door type HB-6000	Fire retardant silicon

HINGES

For fire class A-H doors (HB-5000, HB-6000, H-0H, H120H*)

	Article number	Description	Material
	26112	Hinge for bolted doors (LH).	AISI316L
	26111	Hinge for bolted doors (RH).	AISI316L
	26114	Hinge for welded doors (LH)	AISI316L
	26113	Hinge for welded doors (RH).	AISI316L
	26002	*Hinge for Extra-large H-120H, bolted doors.	AISI316L

DOOR HARDWARE

LOCK CYLINDERS

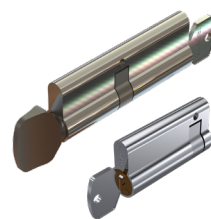
Lock cylinders serve as the foundational information for determining the type of hole needed in the escutcheon plate for the door handle.

There are two designs available, continental (which have the traditional "key hole" shape), and then there is an oval shape cylinder design.

Oval cylinders are rarely used in projects, so they are not listed here.

The cylinders are door type specific because of the variation in depth of the door leafs.

You can have one long cylinder for both outside and inside, or a shorter cylinder for either the outside or the inside.



H-120H LOCK CYLINDERS (L 148mm (89mm+59mm))

	Article number	Description	Material
	40162	Key + Thumb turn cylinder. Length: 89mm+59mm Continental, key on the outside and thumb-turn on the inside.	AISI316L+ brass
	40163	Key + Key cylinder. Length: 89mm+59mm Continental, key on both sides.	AISI316L+ brass
	40080	Key cylinder. Length: 89mm (5506) Continental, key on the outside (blind inside).	AISI316L+ brass
	40164	Thumb turn cylinder. Length: 59mm (5506) Continental, thumb turn on the inside (blind outside).	AISI316L+ brass

H-0H LOCK CYLINDERS (L 89mm (49mm + 49mm))

	Article number	Description	Material
	40084	Key + Thumb turn cylinder. Length: 49mm+49mm Continental, key on one and thumb-turn on the other side.	AISI316L+ brass
	40165	Key + Key Length: 49mm + 49mm Continental, key on both sides.	AISI316L+ brass
	40062	Key cylinder, Length: 49mm (5506) Continental, key on one side (blind other side).	AISI316L+ brass
	40149	Thumb turn cylinder, Length: 49mm (5506) Continental, thumb turn on one side (blind other side).	AISI316L+ brass

HB-6000 LOCK CYLINDERS (L108mm (59mm + 49mm))

	Article number	Description	Material
	10004507	Key + Thumb turn cylinder, Length: 59mm + 49mm (5511) Continental, key on the outside and thumb-turn on the inside.	AISI316L+ brass

HB-5000 LOCK CYLINDERS (L 88mm (49mm + 39mm))

	Article number	Description	Material
	40068	Key/Thumb-t. Cylinder 49+39mm Continental, key on the outside and thumb-turn on the inside.	AISI316L+ brass
	40062	Key Cylinder, 49mm (5506) Continental key cylinder for key on one side.	AISI316L+ brass
	40059	Key Cylinder 39mm Continental, key on the inside (blind outside).	AISI316L+ brass
	40071	Thumb-turn Cylinder, 39mm (5506) Continental, thumb turn on the inside (blind outside).	AISI316L+ brass

DOOR HANDLES.

The door handles are used on both sides of the door leaf.

The inside door handle may be replaced by a **panic bar** for doors in escape routes.

The inside door handle/panic bar serve as the foundational information for determining the type of main lock case needed for the door.

Included:

	Article number	Description	Material
	40126	Handle with blind escutcheon, for non-lockable doors or doors with locking on one side.	AISI316L
	40123	Door handle with escutcheon (LH), for continental key/thumb-turn cylinder.	AISI316L
	40122	Door handle with escutcheon (RH), for continental key/thumb-turn cylinder.	AISI316L
	40125	Door handle with escutcheon (LH), for oval key/thumb-turn cylinder.	AISI316L
	40124	Door handle with escutcheon (RH), for oval key/thumb-turn cylinder.	AISI316L
	42116	Blind plate, for doors with no door handle.	AISI316L

RECESSED DOOR HANDLES

Recessed door handles can be used as replacement for normal door handles in case of space limitations.

	Article number	Description	Material
	40104	Recessed door handle, blind	AISI316L
	40104-2	Recessed door handle, continental	AISI316L
	40104-1	Recessed door handle, oval	AISI316L

Panic bars

A panic bar replaces the inside door handle for doors in escape routes.

The inside door handle/panic bar serve as the foundational information for determining the type of main lock case needed for the door.

	59222	Panic bar/device, bidirectional (can also be installed vertically, special kit).	AISI316L
	40234	Panic push-pad. Normally used for passive door leaf on double doors	AISI316L

Lock cases

The choice of lock case is made on the basis on the inside door handle or panic bar and the locking functionality of the door.

Main lock-case for doors with doorhandles on both sides.



40055-5

Main/centre Lock case (LH).

AISI316L mix



40054-5

Main/centre Lock case (RH).

AISI316L mix

Main lock-case for doors with panic-bar on the inside and key locking.

The override will enable the doors to be opened from the inside even if the door is key-locked.



40051-5

Main/centre lock case (LH) with key override for panic-bar.

AISI316L mix



40050-5

Main/centre lock case (RH) with key override for panic-bar.

AISI316L mix

Main lock-case for doors with panic-bar on the inside, self-locking.

The override will enable the doors to be opened from the inside even if the door is key-locked.

The self locking will enable the door to re-lock when it is closed.



40021-1

Main/centre lock case (LH), with key override for panic-bar, self-locking.

AISI316L mix



40021

Main/centre lock case (RH), with key override for panic-bar, self-locking.

AISI316L mix

Upper and lower lock-case for 3-point locking.

3-point locking is doors with 3 lock cases. The main lock case in the middle is connected mechanically with a lock case on top and one at the bottom on the door leaf. This will give a stronger locking function.



40057-5

Upper or Lower lock-case (LH) for 3-point lock.

AISI316L mix



40056-5

Upper or Lower lock-case (RH) for 3-point lock.

AISI316L mix

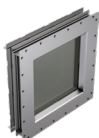
Window/vision panel (option)



Assembly
not numbered

VISION PANEL Assembly for HB-5000, HB-6000 (not weathert.) and HB-H A-60
Vision size: 200x500mm.
Glass: Pilkington Pyrostop® Type 60-201 For external application (meets 60 minutes insulation and integrity).

Steel: Same
as door.



Assembly
not numbered

Vision panel Assembly for H-120H
Vision size: 500x500mm (option).

Door automation/operation

	40339	Door closer TS83 EN 7 Mechanical operation for heavy door leafs	Mix
	40342	Door closer TS83 EN 3-6 offshore Mechanical operation for heavy door leafs	Mix
	40351	Dorma ED 250 Electric operation/Automatic door-closer for internal installation (pushing). Please see separate data sheet for electric system for hinged doors.	Mix
	40350-1		
	10006154 40350-3		
	40351	Dorma ED 250 Electric operation for internal installation (pulling). 40351, 40350-1, 10006131, 40350-3 Please see separate datasheet for electric system for hinged doors.	Mix
	40350-1		
	10006131 40350-3		
	ETO	Pneumatic operation system This is a complete pneumatic system. Please see separate data sheet for pneumatic system for hinged doors.	AISI316L

PARTS FOR PASSIVE DOOR LEAF/LEAFS (DOUBLE DOORS AND DOORS WITH TOP PANEL/TRANSOM).

	41018	Shoot bolt for passive door leaf etc. 180x60x5mm	AISI316L
	42117	Automatic integrated lock bolt system for releasing the passive door leaf. Used with extra Panic push-pad or Panic bar.	AISI316L mix
	10007070	Large shoot bolt for passive leaf on extra-large doors or for top panel/transom.	
	41019	Multi-purpose handle operated shoot-bolt. Used as a hold open function on TP Doors and to hold the passive leaf on large doors or for top panel/transom.	

Door protection:

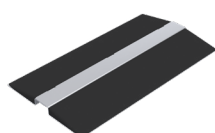
Protection of the doors can be supplied on a project basis.

	ETO	Kick plate 300mm high Trolley plate 800mm high Other sizes may be added for extra cost.	AISI316L
	ETO	Rain/Drip cover over the door.	Same as door frame/leaf.

ACCESSORIES/OPTIONS:

(For more electronic options, please contact sales@baggerod.no)

Accessibility equipment.



Ask for
separate
data sheet.

Rubber ramps, comes in many sizes.
Can be cut to size. Baggerød can also supply a frame for the rubber
ramps.

Rubber



ETO

Steel ramp for trolleys etc.

Same as door
frame/leaf.



40206-1

Pull Handle, to ease the opening of heavy door leafs.

AISI316L

Door stoppers



59656

Door stopper

AISI316L
Rubber



10009659

Universal door stopper with rubber block

AISI316L
Rubber

Hold open device.



10004925

Electro-magnetic door holder **Ex Class:** II2G EEx m II T6 I. IP65

10005019

Force: 650N /100kg. (10005019 *armature*)



10004983

Electro-magnetic door holder (Hold open)
NON Ex. For internal use. IP40
(max holding force 100kg 960 N 24Vdc)

Safety equipment

Baggerød can supply special EMC doors: Please see EMC doors data sheet.



40341-1

Earth wire 16mm2
Material: SS



10004219

Earth boss, SS



59505

Wind chain kit

AISI316L



41014

Pirate lock

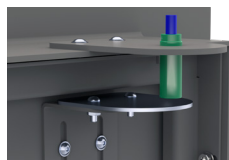
AISI316L



Ask for
separate
data sheet.

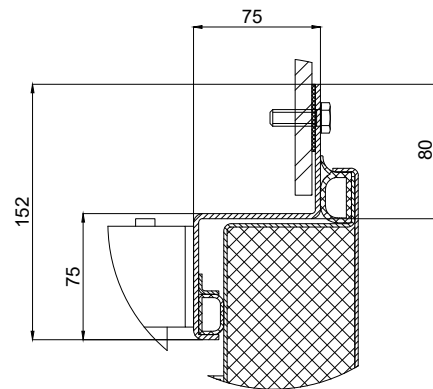
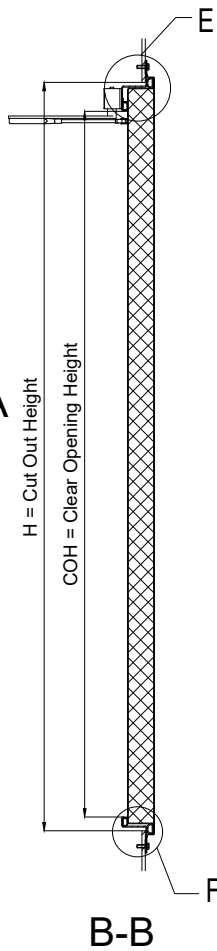
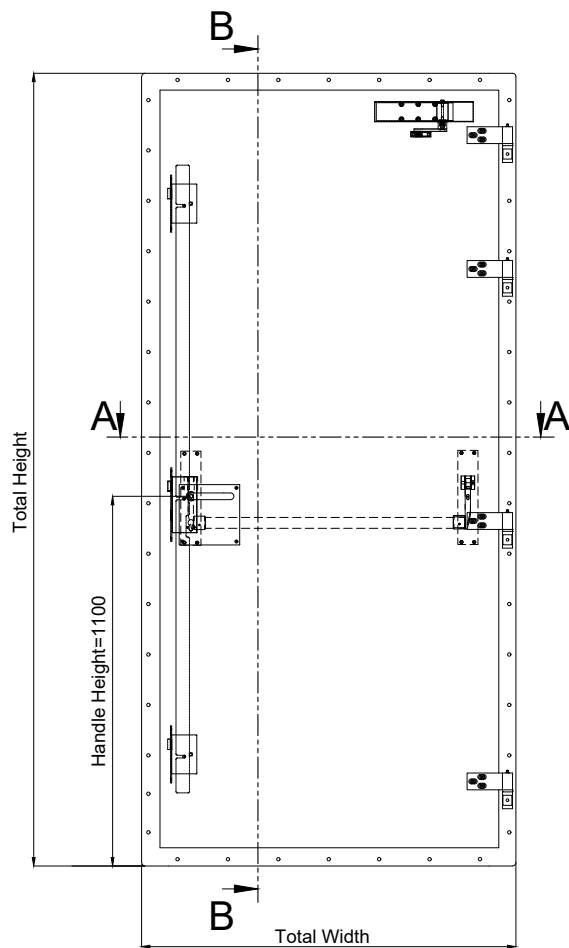
We supply an assortment of tag-plates and other signs. This is also
handled on a project basis for special agreements.

Monitoring, door automation, access control, anti freeze protection

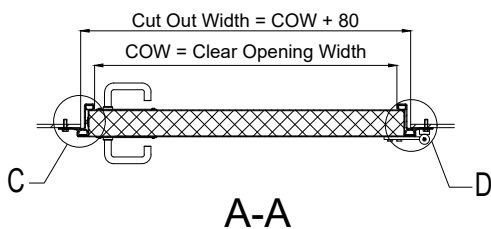


Ask for
separate
data sheet.

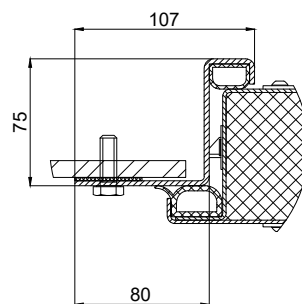
We supply an assortment of "smart" door accessories and systems.
Please contact sales@baggerod.no for more information.



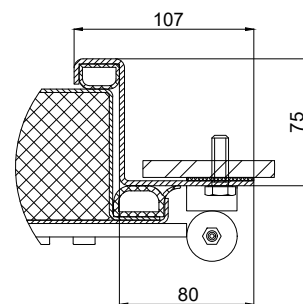
DETAIL E



A-A

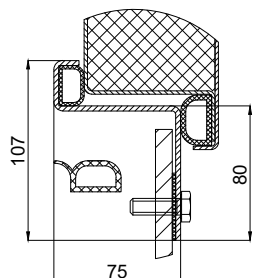


DETAIL C

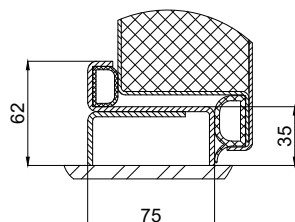


DETAIL D

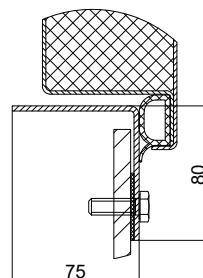
F: Threshold Type / H: Cut Out Height



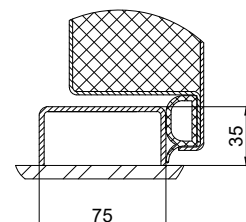
08-L78ZG
H=COH+120mm



08-U35G
H=COH+150mm



08-L78NG
H=COH+90mm



08-U35NG
H=COH+120mm

Notes:

1. Example shows a right hinged door.
2. Panic bar as an internal door handle option.
3. Door closer indicated on stop side (opposite hinge side).

Drawing title:
ENGINEERING TO ORDER
H-OH (H-0) SINGLE HINGED DOOR
WITH FIXED GASKET IN FRAME
TYPICAL GENERAL ARRANGEMENT DRAWING

Date:
20.05.2021

Drawn by:
DAF

Approved:
GBJ

Format:
A4

Sheet:
1 of 1

Projection:
First Angle

Fire certificate:
TAF000017C

Drawing no.:
D-08

Rev.:
02

BAGGERØD



For double doors: Direction are always defined by the active door leaf



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