ON THE HIGH SEAS AND THROUGH THE MAZES OF ARCHIPELAGOES

There are all kinds of vessels sailing all around the world. Our products travel daily thousands of nautical miles in luxury cruisers, passenger ferries and cargo ships every day ensuring the safety of the passengers and crew members. Our success story which began in Baltic Sea with GTS Finnjet more than 30 years ago is now continuing globally. We are familiar with the ferries of Tallink, Brittany Ferries, TT-Line, Stena Line and Viking Line. We do know the ferries of Color Line crossing from Norway to Denmark, Sweden and Germany. We are proud also to be onboard the luxury cruisers of the Caribbean – including the colossal RCCL Oasis-class ships Oasis of the Seas and Allure of the Seas.

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A-CLASS HINGED DOORS

STANDARD EXECUTION

Single leaf door (A-15/A-60):
52/62 mm thick door leaf made of Zn-coated steel plates, with mineral wool core, secured by trim list fastened with stainless steel blind rivets. Reinforcement for door closer and counter plate of magnet. Cut out for lock case.

Double leaf door (A-60):
Double leaf door (A-60): 62 mm thick door leaves made of Zn-coated steel plates, with mineral wool core, secured by trim list fastened with stainless steel blind rivets. Reinforcement for door closer and counter plate of magnet. Cut out for lock case. In-active door leaf with 2-point latch on side 2.

Frame:
Zn-coated Z-profile

Sill:
U-profile

Hinges:
3 pcs. Zn-coated hinges / door leaf

Max frame opening:
• A-15 single leaf door 1150 x 2050 mm
• A-60 single leaf door 1360 x 2400 mm
• A-60 double leaf door 2740 x 2400 mm

TYPICAL OPTIONS

Door leaf:
Painted to standard RAL-colour, PVC-coated steel plate, self adhesive flexible film, stainless steel plate, trim lists of stainless steel

Frame:

Accessories:
• lock case
• handles
• escutcheons
• locking cylinder
• door closers
• panic bar
• mechanical closing selector for double door
• frame with rubber gasket
• kick plate of stainless steel
• window
• magnets
• release and indication switches
• hose port
WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, T, PK
3. Sill type
4. Opening direction
5. Options
A-60 SINGLE LEAF HINGED MARINE FIRE DOOR

Max. frame opening size 1360 x 2400 (Y x Z)
Designer: 2.2.2018 KM • Drwg no.: SA-27780A • Based on drwg no.: SA-27600

A) gasket changed 19.10.2018 KM

WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, T, PK
3. Sill type
4. Opening direction
5. Options
A-60 DOUBLE LEAF HINGED MARINE FIRE DOOR

Max. frame opening size 2740 x 2400 (Y x Z)

Designer: 14.11.2017 KM • Drwg no.: SA-27781C • Based on drwg no.: SA-27540

A) minor detail clarifications 2.2.2018 KM
B) gasket changed 4.5.2018 KM
C) gasket changed 19.10.2018 KM

WHEN ORDERING PLEASE STATE:
1. Flag authority
2. Dimensions Y, Z, T, PK
3. Sill type
4. Opening direction
5. Sizes of doorleaves if not symmetric (b1, b2)
6. Options
STANDARD EXECUTION

Door leaf: 40 or 52 mm thick, made of Zn-coated steel plates, with mineral wool core, powder painted to standard RAL-colour, secured by trim list fastened with stainless steel blind rivets. Reinforcement for door closer and counter plate of magnet. Cut out for lock case.

Frame: Zn-coated steel, Z-profile, powder painted to standard RAL-colour, stainless steel striker plate, counter plate for installation to 50 mm wall panel, top part as frame or top panel, fastening screw holes and plastic cover caps.

Sill: U-profile with stainless steel cover plate

Hinges: 3 pcs. stainless steel hinges, screw fastened to frame and door leaf

Max frame opening:
- B-15 single leaf door 1000 x 2080 mm
- B-15 single leaf door HNR (Rw=39dB) 1100 x 2100 mm
- B-15 single leaf door HNR (Rw=45dB) 1100 x 2100 mm
- B-15 double leaf door 2080 x 2080 mm

TYPICAL OPTIONS

Door leaf: Painted to standard RAL-colour, PVC-coated steel plate, decorative laminate, stainless steel plate, trim lists of stainless steel


Accessories:
- lock case
- handles
- escutcheons
- locking cylinder
- ventilation grill
- kick out panel
- door closers
- panic bar
- frame with rubber gasket
- kick plate of stainless steel
- embossed design
**B-15 SINGLE LEAF HINGED MARINE FIRE DOOR**

- Max. frame opening size 1000 x 2080 (Y x Z)
- Designer: 2.2.2018 KM • Drwg no.: SA-27782 • Based on drwg no.: SA-22488

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**WHEN ORDERING PLEASE STATE:**

1. Flag authority
3. Top type
4. Opening direction
5. Options
B-15 HIGH NOICE REDUCTION MARINE FIRE DOOR

\( R_w = 39 \text{ dB} \) • Max. frame opening size 1100 x 2100 (Y x Z)

Designer: 7.2.2018 KM • Drwg no.: SA-27784 • Based on drwg no.: SA-27506A

Reinforcement for door closer and counter plate of magnet on side 1

Peep hole (optional)

Sill plate, stainless steel

Handle and escutcheon (optional)

When ordering please state:

1. Flag authority
3. Opening direction
4. Options
B-15 HIGH NOICE REDUCTION MARINE FIRE DOOR

Rw = 45 dB • Max. frame opening size 1100 x 2100 (Y x Z)
Designer: 7.2.2018 KM • Drwg no.: SA-27785 • Based on drwg no.: AW14002-1

WHEN ORDERING PLEASE STATE:

1. Flag authority
3. Opening direction
4. Options
When ordering please state:

1. Flag authority
3. Top type
4. Opening direction
5. Options
6. Frame opening if not symmetric (Y1, Y2)

Max. frame opening size 2080 x 2080 (Y x Z)

Designer: 24.4.2018 KM • Drwg no.: SA-27786 • Based on drwg no.: SA-20087G

B-15 Double Leaf Hinged Marine Fire Door
WHEN ORDERING PLEASE STATE:
1. Flag authority
2. Dimensions Y, Z, S
3. Opening direction
A- AND B-CLASS SLIDING DOORS

STANDARD EXECUTION

Door leaf, A-class: 62 mm thick, made of Zn-coated steel plates, trim list fastened with stainless steel blind rivets, lock case, stainless steel recessed handles on both sides.

Door leaf, B-class: 52 mm thick, made of Zn-coated steel plates, trim list fastened with stainless steel blind rivets, lock case, stainless steel recessed handles on side 2, stainless steel standard handle on side 1.

Frame: Made of Zn-coated steel plate

Drive systems: Counter weight operated doors, including counter weight system and pneumatic retarder with adjusting valve for the closing speed. Power operated doors with electric drive system.

Max frame opening: • A-class door 3200 x 2400 mm • B-class door 1308 x 2396 mm

TYPICAL OPTIONS:

Door leaf: PVC-coated steel plate, self adhesive flexible film, stainless steel plate, decor, laminate, trim lists of stainless steel

Frame: Stainless steel frame

Accessories A-class: • hose port • stainless steel cover plate

For normally open counter weight door: • magnet • local release switches • indication switch • alarm unit for remotely released door

For normally closed counter weight door: • fitting for locking cylinder

Accessories B-class: • magnet • local release switch • low-profile handle mounted on side 1 • fitting for locking cylinder • ventilation grill
A-60 SINGLE LEAF MARINE SLIDING FIRE DOOR

With counter weight system - Max. recommended frame opening size. 1000 x 2200 (Y x Z)
Designer: 4.5.2018 KM • Drwg no.: SA-27788 • Based on drwg no.: 3-19598A

NOTE!
Service hatches for adjusting valve, hold back magnet, retarder and counter weight as well as a stopper are necessary.

WHEN ORDERING PLEASE STATE:
1. Flag authority
2. Dimensions Y, Z, PKL, S, T
3. Opening direction
4. Location of retarder
5. Options
A-60 SINGLE LEAF MARINE SLIDING FIRE DOOR

With electric door drive system • Max. frame opening size 3200 x 2400 (Y x Z)
Design: 4.5.2018 KM • Drwg no.: SA-27789 • Based on drwg no.: 3-19598A

Recommended free space minimum 2 x Y + 650
Drive unit approx. 2 x Y + 450

Motor unit

Control unit

Release switches (optional)

Hose port (optional)

NOTE!
A service hatch for the electric door drive system is necessary.
Other motor positions are available.

WHEN ORDERING PLEASE STATE:
1. Flag authority
2. Dimensions Y, Z, PKL, S, T
3. Opening direction
4. Options
B-15 SINGLE LEAF MARINE SLIDING FIRE DOOR

With counter weight system • Max. frame opening size 1308 x 2396 (Y x Z)
Designer: 4.5.2018 KM • Drwg no.: SA-27790 • Based on drwg no.: SA-20971D

WHEN ORDERING PLEASE STATE:
1. Flag authority
2. Dimensions Y, Z, PKL, E
3. Opening direction
4. Options
B-15 SINGLE LEAF MARINE SLIDING FIRE DOOR

With electric door drive system • Max. frame opening size 1308 x 2396 (Y x Z)
Designer: 4.5.2018 KM • Drwg no.: SA-27791 • Based on drwg no.: SA-20971D

WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, PKL, E
3. Opening direction
4. Options

![Diagram of B-15 Single Leaf Marine Sliding Fire Door](image-url)
STANDARD EXECUTION

Door leaf: Single, double, sliding
Non-combustible material

Frame: Non-combustible material

Sill: Non-combustible material

Hinges: Non-combustible material

TYPICAL OPTIONS

Door leaf: PVC-coated steel plate, self adhesive flexible film, decorative laminate, stainless steel plate, trim lists of stainless steel, aluminium (anodized)

Frame: Painted to standard RAL-colour, stainless steel, aluminium (anodized)

Accessories: • lock case
• handles
• escutcheons
• locking cylinder
• ventilation grill
• kick out panel
• door closers
• panic bar
• frame with rubber gasket
• kick plate
• embossed design
• window ø 300 mm, ø 350 mm
SWING DOOR

Design: 4.5.2018 KM • Drwg no.: SA-27792

- Dimensions Y, Z, T, S, C, V
- Opening direction
- Options
WHEN ORDERING PLEASE STATE:

2. Opening direction
3. Options
C-CLASS SLIDING DOOR

Designer: 4.5.2018 KM • Drwg no.: SA-27794

When ordering please state:
1. Dimensions Y, Z, S, PKL
2. Opening direction
3. Options
4. Location of possible retarder

1. Fixing bracket for wall
2. Fixing bracket for track
3. Track
4. Hanger
5. Stop for hanger
6. Guide
7. Retarder (optional)
8. Counterweight (optional)
WHEN ORDERING PLEASE STATE:

2. Opening direction
3. Options
C-CLASS MARINE HATCH

When ordering please state:

1. Dimensions Y, Z, S
2. Opening direction
3. Options
THE WAY YOU WANT