



LIGHT WEIGHT
FIRE RATED GLAZED
DOORS & WALLS

**Product Catalogue
2021**

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KNOWLEDGE MAKES THE DIFFERENCE

Pocadel, established in 1997, is a company specialised in fire-resistant glass structures for marine and offshore use.

Pocadel was the first to launch fire-resistant glass structures using light and corrosion resistant aluminium frames instead of the traditional heavy steel profiles. From the very beginning, Pocadel has endeavoured to develop and renew their products and, as a result, the company is now a leading supplier of strategic fire-resistant glazing structures in ships interiors.

Our product range has grown over the years, and we have developed fire glass structures for exterior use and for various offshore industry needs as well. The use of automatic doors has become more common

in the recent years, and together with automatic door mechanism manufacturers we have developed automation solutions especially for the ship building industry. Our modern product range includes a wide range of B15 and A60 glazed doors and walls from single windows to extra wide sliding tandem doors.

All of our products are designed and hand-made in Finland. The aluminium profiles and glasses we use are made by reputable and high-class European manufacturers – this guarantees good product quality that is an advantage for both the customer building the space and ultimately for the end user as well.

The key factors in our operations and products are

SAFETY - RELIABILITY
KNOWLEDGE - QUALITY

FOCUS IN SAFETY

All of our B15 and A60 products have been tested according to the latest FTP 2010 Code, Part 3 set by the IMO (International Maritime Organisation) and wheel-marked according to the Marine Equipment Directive 2014/90/EU.

Our B15 and A60 products have MED certificates and require a meticulous quality management system. The design and manufacturing work at the company is annually audited by Eurofins Oy. Pocadel operations comply with the ISO 9001 quality.

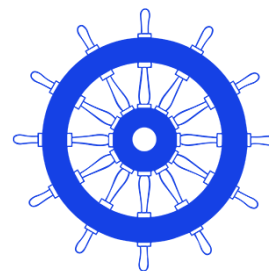
Our automatic sliding doors and their mechanisms, for instance, have been tested on both sides in accordance with the IMO and Solas requirements. Every product ordered by a customer is tailored according to the customer's specifications: dimensions, finishing, decorations, etc. – always however according to tight certification requirements.



COST SAVING PRE-FABRICATED PRODUCTS

We have developed our products into installation-ready packages with pre-installed locks, fittings, pulls, and decorations. This way, our customers can save time and costs by installing the doors on their own onboard the ship according to our installation instructions.

If needed, we will provide assistance with the installation and especially with the commissioning of automatic doors.



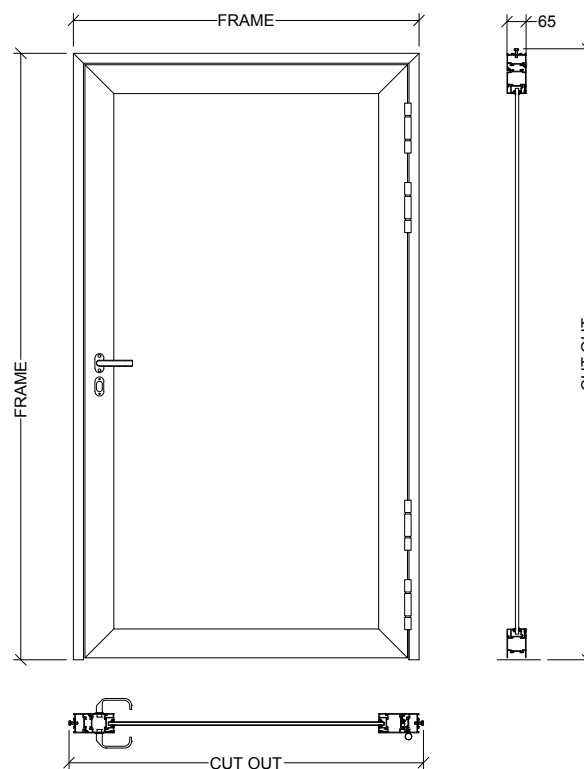
Glazed Hinged Doors

1. B15 GLAZED HINGED DOOR, single

Fire class	B15
Max frame size	1541 x 2806 mm (max. frame area 3,6 m ²)
Glass sound insulation (dB)	32
Certificate no.	EUF129-21003539-MED (B+D)
Standard accessories	<ul style="list-style-type: none"> • Lock TrioVing 5016/35 • Handle TrioVing 7363 • Concealed door closer Dormakaba ITS 96 • Standard escutcheons

To order please specify:

- door measurements
- frame finish
- grids & patterns
- door use purpose
- door handing
- interior / exterior
- manual / automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit or ADA requirements)



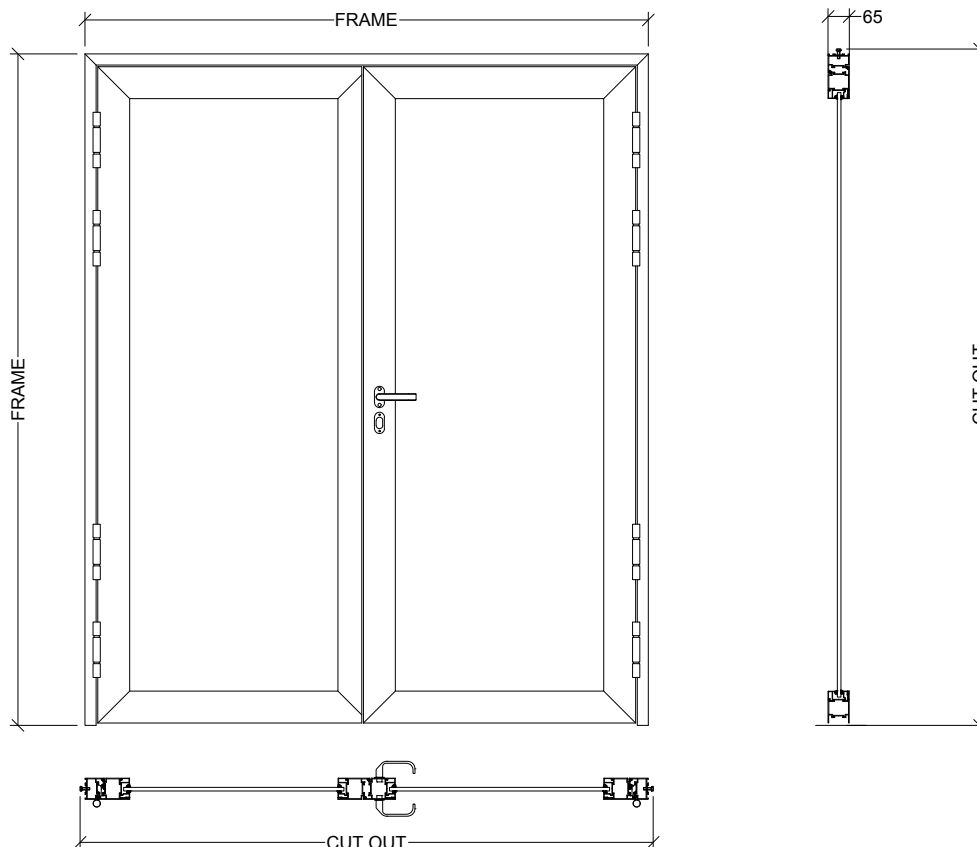
Glazed Hinged Doors

2. B15 GLAZED HINGED DOOR, double

Fire class	B15
Max frame size	2928 x 2484 mm
Glass sound insulation (dB)	32
Certificate no.	EUF129-21002080-MED (B+D)
Standard accessories	<ul style="list-style-type: none"> • Lock TrioVing 5016/35 • Handle TrioVing 7363 • Concealed door closer Dormakaba ITS 96 + coordinator • Standard escutcheons

To order please specify:

- door dimensions
- frame finish
- grids & patterns
- door use purpose
- door handing
- symmetricity
- interior / exterior
- manual / automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit or ADA requirements)



Glazed Hinged Doors

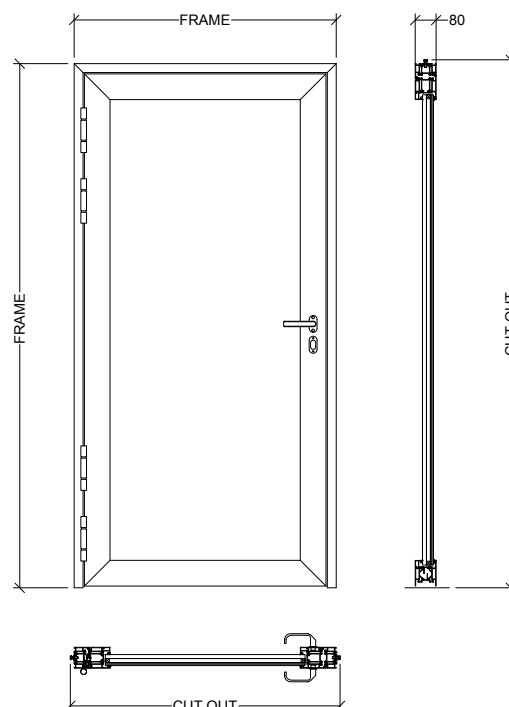
3. B15 GLAZED HINGED DOOR, single (80)

Fire class	B15
Max frame size	1580 x 2875 mm (max. area 3,77 m ²)
Glass sound insulation (dB)	47
Certificate no.	EUF129-19000753-MED (B+D)
Standard accessories	<ul style="list-style-type: none"> • Lock TrioVing 5016/35 • Handle TrioVing 7363 • Concealed door closer Dormakaba ITS 96 • Standard escutcheons

Notes	<ul style="list-style-type: none"> • Both for interior and exterior use • Sound and heat insulated • Optional UV protection • Ideal for offshore use
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To order please specify:

- door dimensions
- frame finish
- grids & patterns
- door use purpose
- door handing
- interior / exterior / wet room
- manual / automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit or ADA requirements)



Glazed Hinged Doors

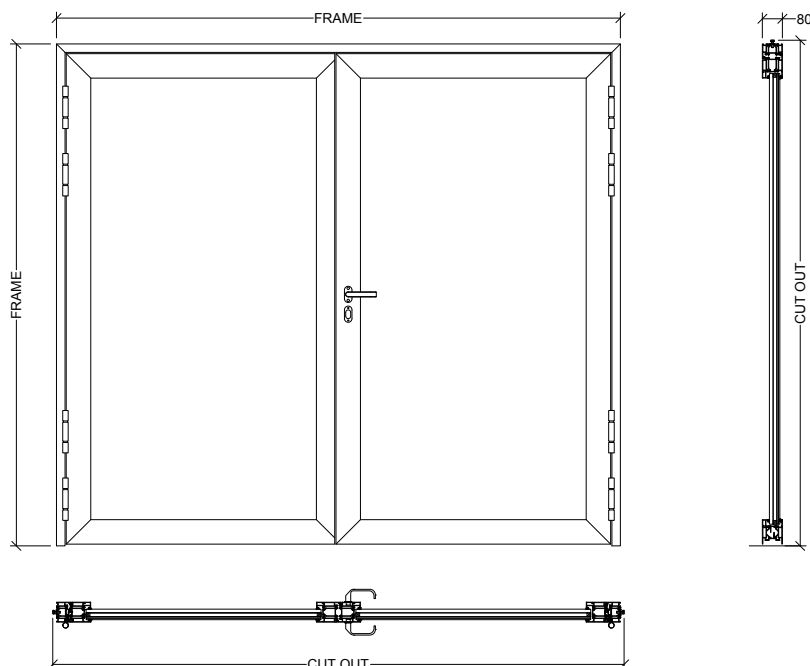
4. B15 GLAZED HINGED DOOR, double (80)

Fire class	B15
Max frame size	3047 x 2875 mm (max area 7,29 m ²)
Glass sound insulation (dB)	47
Certificate no.	EUFI29-19000753-MED (B+D)
Standard accessories	<ul style="list-style-type: none"> • Lock TrioVing 5016/35 • Handle TrioVing 7363 • Concealed door closer Dormakaba ITS 96 + coordinator • Standard escutcheons

Notes	<ul style="list-style-type: none"> • Both for interior and exterior use • Sound and heat insulated • Optional UV protection • Ideal for offshore use
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To order please specify:

- door dimensions
- frame finish
- grids & patterns
- door use purpose
- door handing
- symmetricity
- interior / exterior / wet room
- manual / automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit or ADA requirements)



Glazed Hinged Doors

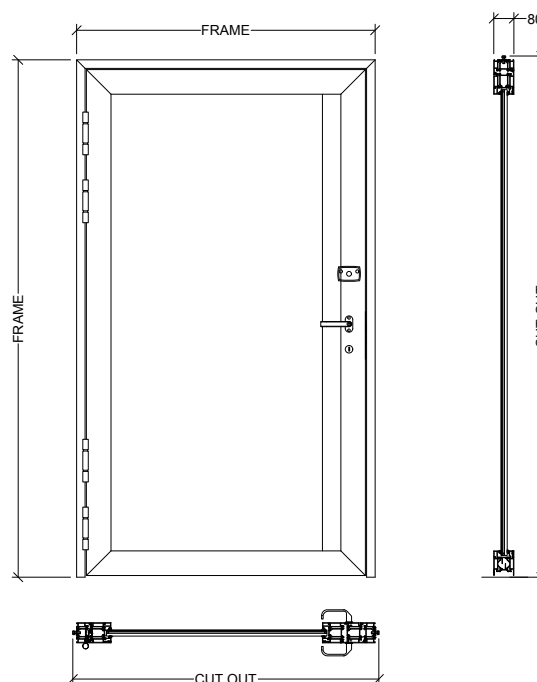
5. B15 GLAZED HINGED DOOR DELI, single with RFID lock

Fire class	B15
Max frame size	1520 x 2485 mm
Glass sound insulation (dB)	40
Certificate no.	EUFI29-19001639-MED (B+D)
Standard accessories	<ul style="list-style-type: none"> • VingCard Signature RFID lock by ASSA Abloy • Ansi ADB (Auto Deadbolt) panic lock case • Drop down sill • RFID card reader • Handle Trioving 7363 • Standard escutcheons

Notes	<ul style="list-style-type: none"> • No sill needed • Functions as part of a ship's hotel door lock system • Only for interior use
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To order please specify:

- door dimensions
- frame finish
- grids & patterns
- handle
- door use purpose
- door handing
- manual / automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit or ADA requirements)



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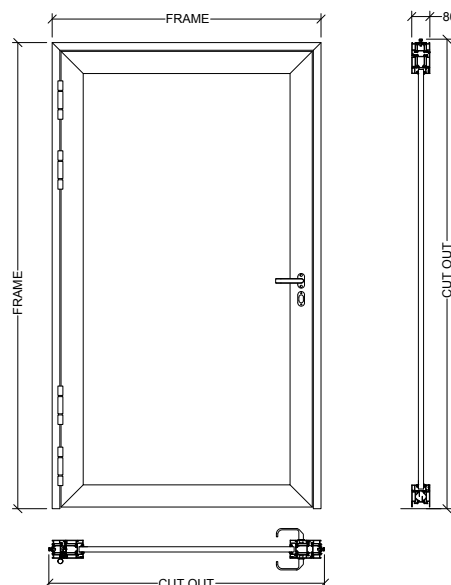
Glazed Hinged Doors

6. A60 GLAZED HINGED DOOR, single

Fire class	A60
Max frame size	1378 x 2500 mm
Glass sound insulation (dB)	40
Certificate no.	EUF129-19004097-MED (B+D)
Standard accessories	<ul style="list-style-type: none"> • Lock TrioVing 5016/35 • Handle TrioVing 7363 • Concealed door closer Dormakaba ITS 96 • Standard escutcheons
Notes	<ul style="list-style-type: none"> • For both interior and exterior use • Ideal for offshore use • Ideal for sauna use
Options	<ul style="list-style-type: none"> • Sound insulated (43 dB) • Heat insulated • UV protection • Hose stream tested version • Weather tight (the final test to be done onboard)

To order please specify:

- door dimensions
- frame finish
- grids & patterns
- door use purpose
- door handing
- interior / exterior / wet room
- manual / automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit or ADA requirements)



Glazed Hinged Doors

7. A60 GLAZED HINGED DOOR, double (80)

Fire class	A60
Max frame size	2658 x 2500 mm
Glass sound insulation (dB)	40
Certificate no.	EUFI29-21004333-MED (B+D)
Standard accessories	<ul style="list-style-type: none"> • Lock TrioVing 5016/35 • Handle Trioving 7363 • Concealed door closer Dormakaba ITS 96 + coordinator • Standard escutcheons

Notes

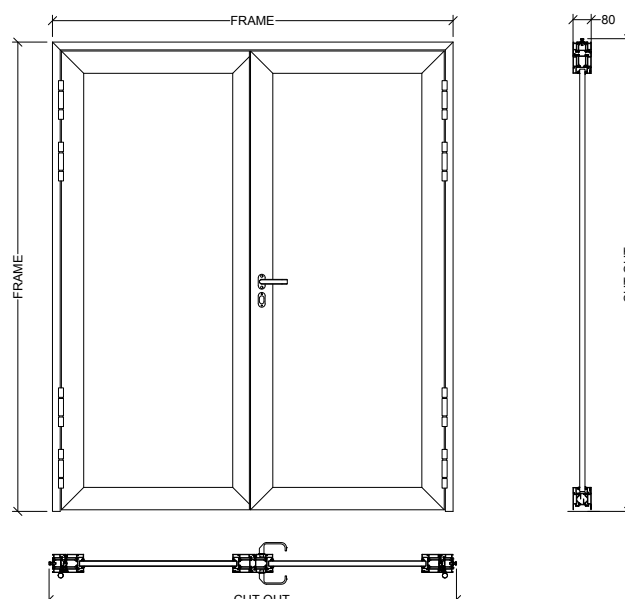
- For both interior and exterior use
- Ideal for offshore use
- Ideal for sauna use

Options

- Sound insulated (43 dB)
- Heat insulated
- UV protection
- Hose stream tested version
- Weather tight (the final test to be done onboard)

To order please specify:

- door dimensions
- frame finish
- grids & patterns
- door use purpose
- door handing
- symmetry
- interior / exterior / wet room
- manual / automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit or ADA requirements)



Glazed Sliding Doors

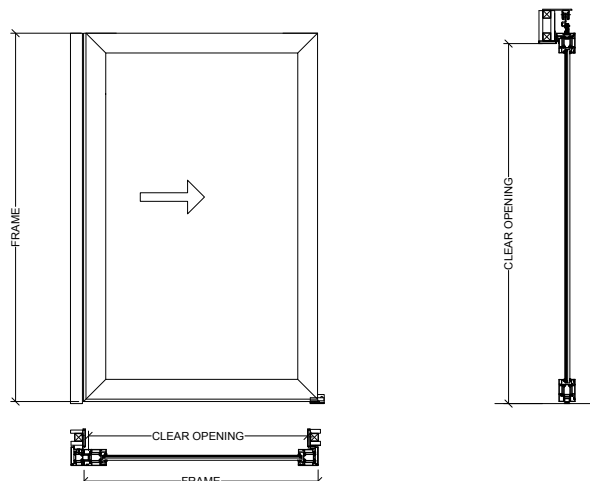
8. B15 GLAZED SLIDING DOOR, DELI, single, automatic or manual

Fire class	B15	
Max frame size	1460 x 2595 mm (max. area 3,15 m ²)	
Glass sound insulation (dB)	40	
Certificate no.	EUFI29-19003649	
Standard accessories	Automatic version <ul style="list-style-type: none"> the necessary auxiliary equipment (see page Automatic doors) 	Manual version <ul style="list-style-type: none"> Lock TrioVing 5049 Pull Sliding rail and roller assemblies Speed limiter (option)

Notes	<ul style="list-style-type: none"> Both for interior and exterior use No sill Available with different automatic mechanisms The automatic version does not include a mechanical lock Available as pocket or non-pocket versions (slides into the wall or on the wall surface) Door construction is fire tested from both sides with cable penetration. Glass wall can continue as a continuous wall straight from the door without an intermediate bulkhead Note the need for a sufficiently large service hatch to maintain the mechanism
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To order please specify:

- door dimensions
- frame finish
- grids and patterns
- pull (for manual version)
- pocket or non-pocket version
- door use purpose
- handing as viewed from the mechanism side
- interior / exterior / wet room
- manual or automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit and ADA rules)



Glazed Sliding Doors

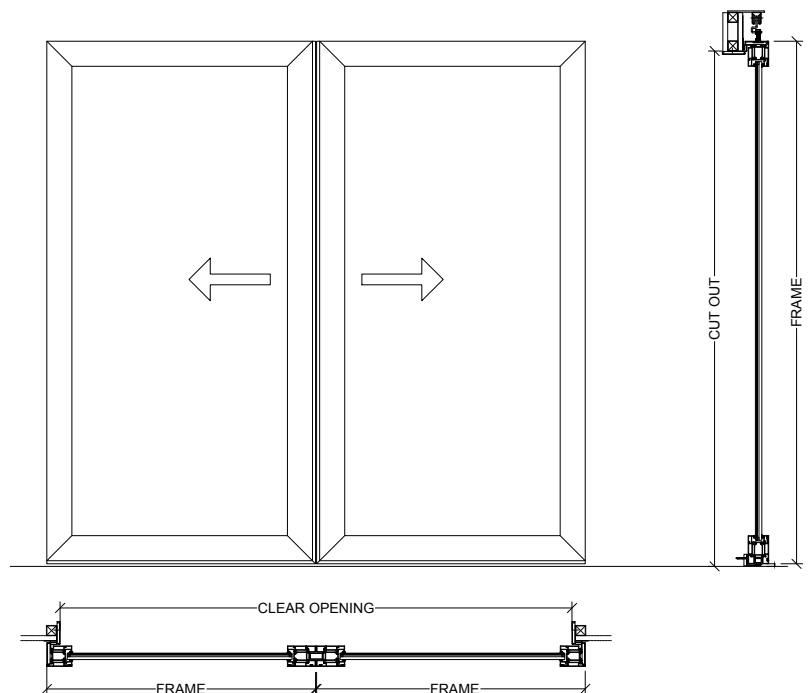
9. B15 GLAZED SLIDING DOOR DELI, double, automatic or manual

Fire class	B15	
Max frame size	1322 + 1322 x 2584 mm (max area 5,7 m ²)	
Glass sound insulation (dB)	40	
Certificate no.	EUFI29-21002966-MED (B+D)	
Standard accessories	Automatic version <ul style="list-style-type: none"> • Automatic mechanism with the necessary auxiliary equipment (see page Automatic doors) 	Manual version <ul style="list-style-type: none"> • Lock TrioVing 5049 • Pull • Sliding rail and roller assemblies • Speed limiter (option)

Notes	<ul style="list-style-type: none"> • Both for interior and exterior use • No sill • Available with different automatic mechanisms • The automatic version does not include a mechanical lock • Available as pocket or non-pocket versions (slides into the wall or on the wall surface) • Door construction is fire tested from both sides with cable penetration. • Glass wall can continue as a continuous wall straight from the door without an intermediate bulkhead • Note the need for a sufficiently large service hatch to maintain the mechanism
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To order please specify:

- door dimensions
- frame finish
- grids and patterns
- pull for manual version
- pocket or non-pocket version
- door use purpose
- handing as viewed from the mechanism side
- interior / exterior / wet room
- manual or automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit and ADA rules)



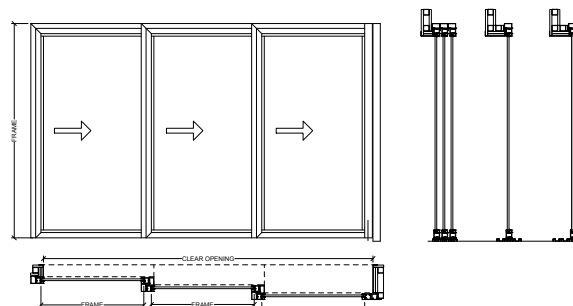
Glazed Sliding Doors

10. B15 GLAZED TANDEM SLIDING DOOR

Fire class	B15	
Max leaf sizes		
Single leaf sliding door	1395 x 2760 mm	
Double leaf sliding door	(1395 + 1395) x 2760 mm	
Two leaf tandem door	(1395 + 1415) x 2,760 mm	
Three leaf tandem door	(1395 + 1415 + 1415) x 2,760 mm	
Four leaf tandem door	(1395 + 1415 + 1415 +1415) x 2760 mm	
etc. opening width unlimited		
Glass sound insulation (dB)	33	
Certificate no.	EUF129-19000755-MED (B+D)	
Standard accessories	Automatic version <ul style="list-style-type: none"> • Automatic mechanism with the necessary auxiliary equipment (see page Automatic doors) 	Manual version <ul style="list-style-type: none"> • Lock TrioVing 5049 • Puller • Sliding rail and roller assemblies
Notes	<ul style="list-style-type: none"> • Opening width unlimited • Note the need for sufficiently large service hatch to maintain the mechanism • Opens one way or both ways • For interior use only • Available with different automatic mechanisms • Available as pocket or non-pocket versions (door leaf slides into the wall or on the wall surface) • Door construction is fire tested from both sides 	

To order please specify:

- the number of door leaves
- door dimensions
- frame finish
- grids and patterns
- pull for manual version
- pocket or non-pocket version
- door use purpose
- the door leaf sliding direction
- handing as viewed from the mechanism side
- manual or automatic operation
- desired automatic system
- other special requirements
- possible evacuation route (Exit and ADA rules)



15

Glazed Walls / Partitions / Bulkheads / Windows

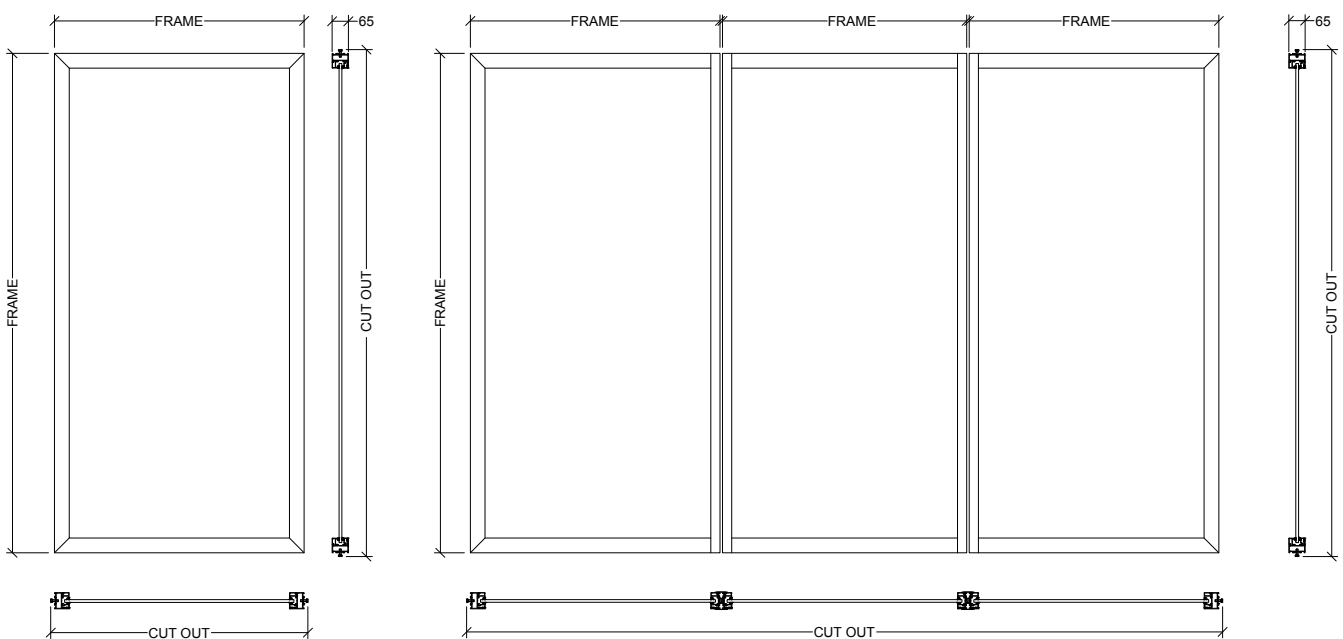
11. B15 GLAZED WALL / PARTITION (65)

Fire class	B15
Max frame size:	
As single partition	1482 x 2582 mm
Middle partition	1436 x 2582 mm
Edge partition	1459 x 2582 mm
Glass sound insulation (dB)	34
Certificate no.	EUFI29-21001945-MED (B+D)
Standard delivery	Continuous glass wall: Vertical cover plates matching the frame finish are included in the delivery

- Notes
- Can be delivered as a single window or as a continuous glass wall
 - Width of glass wall unlimited
 - For interior use only

To order please specify:

- dimensions
- frame finish
- grids & patterns



Glazed Walls / Partitions / Bulkheads / Windows

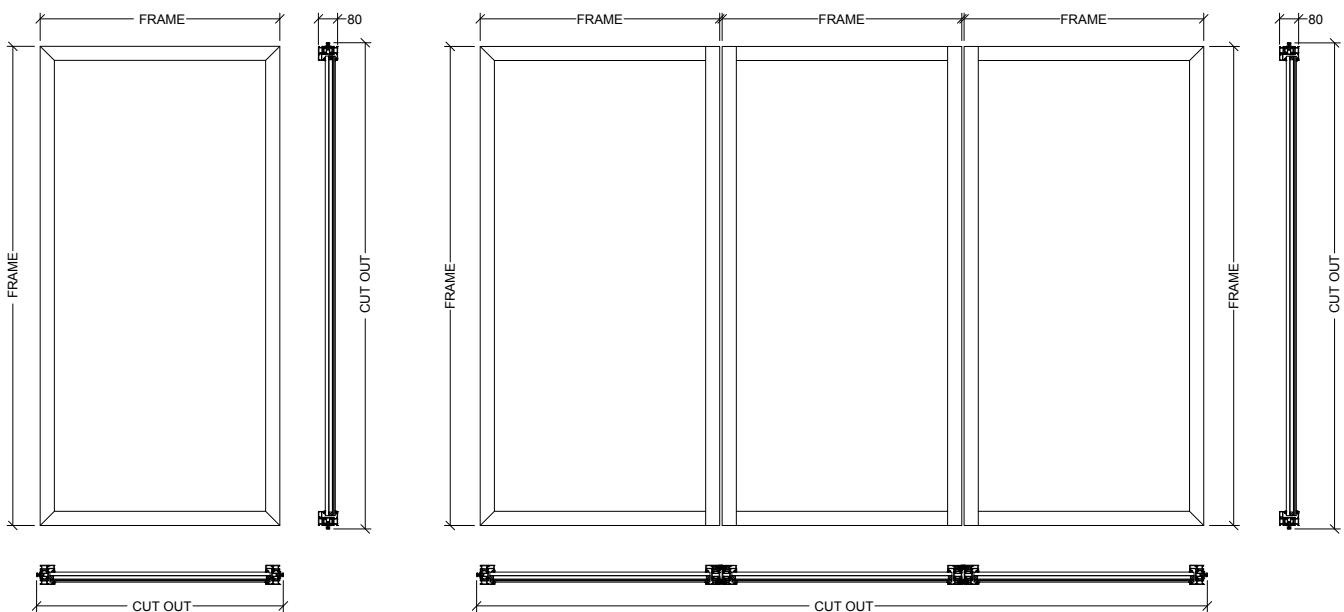
12. B15 GLAZED BULKHEAD / WALL (80)

Fire class	B15
Max frame size	1438 x 2730 mm
Max bulkhead size	height 2730 mm, width unlimited
Glass sound insulation (dB)	47
Certificate no	EUF129-19000754-MED (B+D)
Standard delivery	Continuous glass wall: Vertical cover plates matching the frame finish are included in the delivery

- Notes
- Both for interior and exterior use
 - Can be delivered as a single window or as a continuous glass wall
 - Width of glass wall unlimited
 - Both for interior and exterior use
 - Ideal for offshore use
 - Also available with solid components

To order please specify:

- dimensions
- frame finish
- grids & patterns



Glazed Walls / Partitions / Bulkheads / Windows

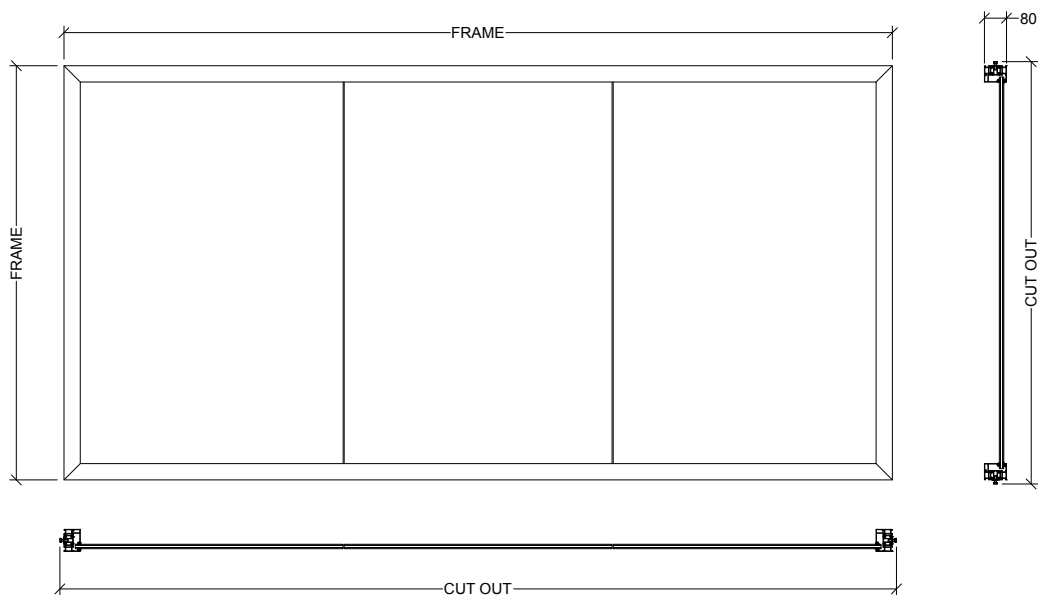
13. B15 GLAZED BUTT JOINT BULKHEAD / WALL

Fire class	B15
Max glass pane size	width 1000 mm
Max frame size, single	1080 x 2735 mm
Max bulkhead size	height 2735 mm, width unlimited
Glass sound insulation (dB)	39
Certificate no	EUF129-19000756-MED-V1 (B+D)
Silicone seam colours	Black, translucent, grey

- Notes
- Continuous glass wall structure
 - Width of glass wall unlimited
 - Silicone vertical seams
 - Glazing completed at the factory or by the client onboard the ship
 - Straight wall structure
 - For interior use only

To order please specify:

- dimensions
- frame finish
- silicone seam colour
- grids and patterns



Glazed Walls / Partitions / Bulkheads / Windows

14. A60 GLAZED WALL / PARTITION

Fire class	A60
Max frame size	1482 x 2578 mm
Glass sound insulation	40
Certificate no	EUFI29-21004334-MED (B+D)
Standard delivery	Vertical cover plates matching the frame finish are included in the delivery

Notes

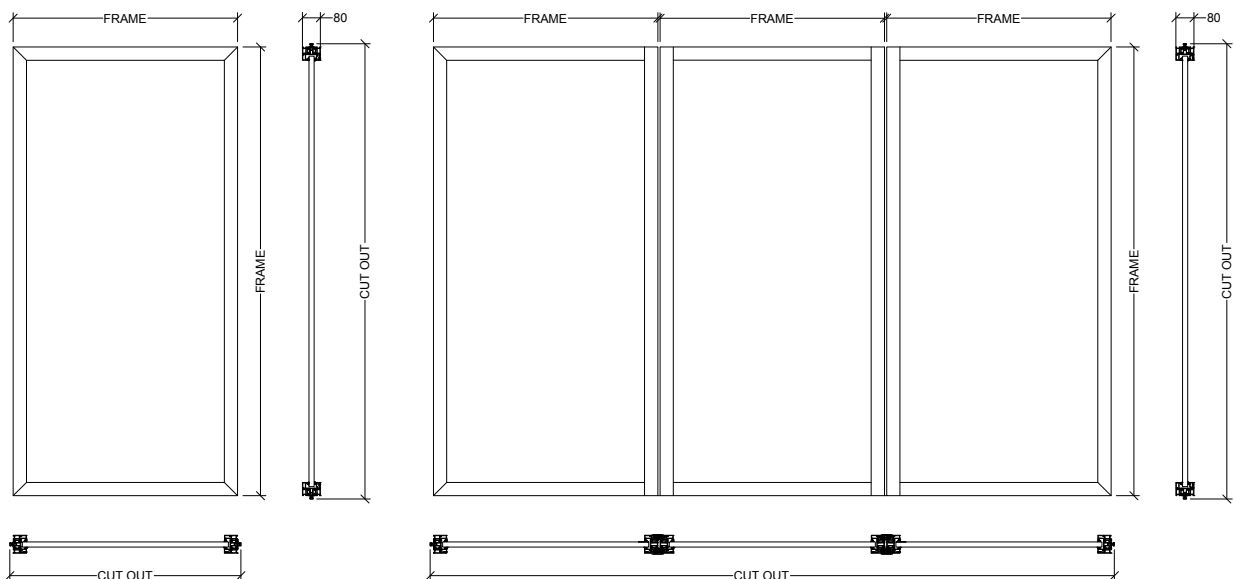
- Can be delivered as a single window or as a continuous glass wall
- Width of glass wall unlimited
- For both interior and exterior use
- Ideal for offshore use
- Ideal for sauna use

Options

- Sound insulated
- Heat insulated
- UV protection
- Hose stream tested version

To order please specify:

- wall element dimensions
- frame finish
- grids & patterns
- interior / exterior / wet room



Customizing

FRAME SURFACE FINISHES AND GLAZING GRIDS AND PATTERNS

FRAME FINISHINGS

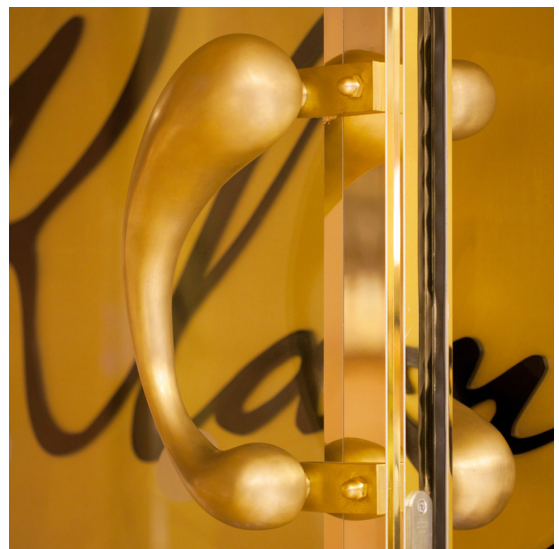
The door and window structure profiles are made of light aluminium which allows numerous painting and finishing options. Please note that the minimum supply batch for special paint powder is 20 kg / each necessary colour. The minimum batch for colour sample is also 20 kg.

All our products are powder painted with high quality paints. The cover plates and hinges are available to match the door or window frame finishing.

Our door and window structure profiles are made of aluminium with an almost unlimited range of finishing options:

- painting with RAL / NCS basic colours
- painting with special colours
- anodisation
- brushed anodisation
- decoral finish
- digital prints
- brushed stainless steel
- mirror silver
- mirror gold
- wood and steel imitations

The structures can be given a more expressive look by bending as well.



Customizing

GLAZING

Pocadel fire-classified decorative doors and windows use high-quality safety glass that is not only fire-proof, but sound insulated as well.

Various decorations and patterns are used for the glass doors and walls almost without exception. In addition to being decorative, the glasses can function as informative elements. For example, a transparent wall can be turned grey at the push of a button when using smart glass, thus giving the room more privacy.

GLASS PATTERNS

The fire glass itself is clear, but it can be decorated with

- sand blasted patterns
- coloured glass
- led lights
- digital print
- smart glass
- thin metal nets inside glass panels (DELI versions)

DECORATIVE GRIDS INSTALLED ON THE GLASS SURFACE

Very often the decorative grids are made by laser cutting from a thin metal sheet. The decorations must be fire-proof or fire-retardant and they are attached onto the glass surface with glue.



Customizing

STANDARD ACCESSORIES FOR POCADEL DOORS

Pocadel doors are offered and supplied with the following standard accessories, if nothing else is required. However, the decorative doors are often delivered with special pulls. If customer wishes to personally buy and install such special pulls, they will also need to drill the holes for them.

Hinged doors



Panic lock



Standard lock with
Din cylinder



Panic bolt for inactive leaf



Edge bolt



Automatic bolt



TrioVing 5016 lock case



TrioVing 5032 lock case



TrioVing thumb turn

Customizing

Sliding doors



Edge bolt



Hook lock case



WSS Hook lock case



TrioVing thumb turn

Escutcheons



Escutcheon for euro cylinder, brass edge bolt



Escutcheon for oval cylinder, brass



Blind escutcheon, brass



Escutcheon for oval cylinder, brushed stainless steel



Escutcheon for eurocylinder, brushed stainless steel

Handles and pulls



TrioVing 7363 satin chrome



TrioVing 7363 polished chrome



TrioVing 7363 polished brass



TrioVing 7363 satin brass

Customizing



Door handle for sauna



Curved pull, brushed



Curved pull, polished



Bent pull, polished



Customizing

AUTOMATIC DOORS

B15 GLAZED AUTOMATIC DOORS

An automatic door is a door that opens automatically, usually on sensing the approach of a person. Automatic doors are accessible and elegant solutions for spaces requiring ease of access, security, flexibility, and hygiene.

All glazed sliding, tandem, and hinged glazed doors with B15 fire class certification manufactured by Pocadel can be delivered either for manual operation or with automatic mechanisms.

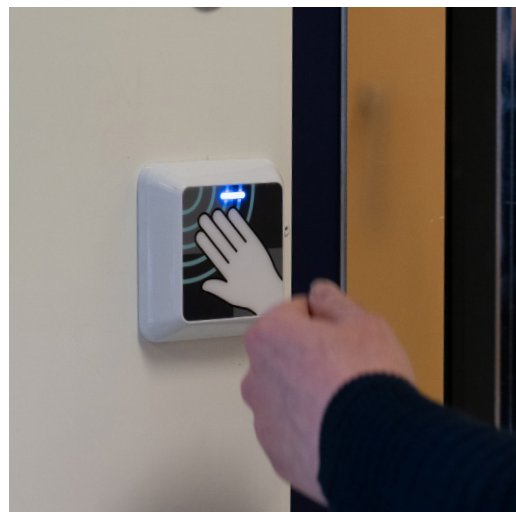
C-CLASS GLAZED AUTOMATIC DOORS

In addition to fire-proofed automatic doors, we also deliver class C glazed automatic doors.

AUTOMATIC DOORS FOR EVERY PURPOSE

When thinking about outfitting an automatic door, the first thing to determine is the purpose of the door, its location, and its dimensions. After this, our expert staff can tailor the necessary automatic mechanism and its required auxiliary equipment.

The selection of the mechanism is affected for example by the weight and number of door leaves and the placement of the door either in an interior or exterior area.



The hygienic “non-touch” door opener

Customizing

AUTOMATIC SLIDING DOORS

We supply various glazed fire-proof sliding doors from single-leaf sliding doors to multi-leaf sliding tandem doors.

The automatic DELI sliding doors, equipped with an automatic mechanism, have been fire-tested on both sides according to the latest rules issued by IMO (International Maritime Organisation). DELI range automatic doors are tested with Dormakaba ES 200 sliding mechanism and they do not require separate mechanical lock. Lock assembly is available as an optional accessory. Furthermore, the drive unit can be equipped with a speed limiter, which is Pocadel's own solution for rough sea conditions. DELI automatic doors are delivered without sill.

We use automatic mechanisms suitable for use on ships from the following suppliers among others:

- Dorma, Record, Geze, Oviton, Assa Abloy, POCA SLIM (Pocadel's in-house automatic mechanism developed for use on ships)



Customizing

SUPPLY SCOPE OF AUTOMATIC SLIDING DOORS

The supply scope of our automatic sliding doors depends on the use purpose and environment of the door. Specialised in automatic doors, our staff will design a suitable package according to information provided by the customer.

A standard delivery includes:

- door leaves
- the automatic drive unit
- a motor
- a program switch
- the slide rail assembly
- the roller assembly
- back up batteries
- safety radars
- emergency buttons
- safety devices to pursuant to standard EN 16005

We offer the following options:

- IR motion sensors
- different opening buttons
- lock assemblies
- a drive unit cover



Customizing

AUTOMATIC HINGED DOORS

Our automatic hinged doors include hinged door mechanisms developed for marine use, which can be equipped with various additional cards depending on the end-use of the door.

A standard delivery includes:

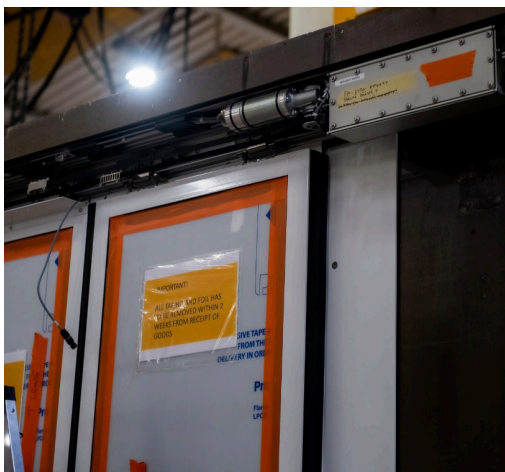
- door leaves
- the automatic mechanism
- safety devices pursuant to standard EN 16005
- mechanical synchronisers for double doors

INSTALLATION AND COMMISSIONING

All automatic doors supplied by us are assembled and tested in the factory before being shipped to the customer.

Most customers will install the doors themselves onboard the ship according to use instructions provided by us. If necessary, we have an expert installation and commissioning service available.

Automatic sliding doors will require periodic service, and it is necessary to build a sufficiently large maintenance hatch for automatic sliding doors.



All automatic doors are tested in factory before delivery



Customizing

AFTER SALES SERVICES

Automatic doors include wear parts, and they require regular servicing. Because fire-proof glazed doors are strategic products on ships, assistance is required quickly in case there is a problem.

We are expanding our global service network so that we can be able to assist our customers all around the world whenever they need help.

We also offer various service contracts to ship owners that cover the maintenance and service of automatic doors. Our spare part service is currently operating from Finland, but locally provided basic spare parts will be available in the future.





On The Safe Side

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