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reddot design award
winner 2013

Portavant 80 automatic
Electronic sliding door system

Portavant 80 automatic – automatically convincing

AUTO MOVE
The automatic function for your convenience:

Opens and closes the door automatically, silently and reliably – so you can keep your hands free for other things.

SAFE USE
Reacts immediately if the door touches an obstacle during automatic closing or opening. The low kinetic energy mode means it easily meets standard safety requirements.

MODE SELECT
Choose the operating mode that best meets your needs:

Select how the door is activated via motion sensor, push button, remote control or the Push & Go function as well as which door function is triggered by the pulse.

EASY INSTALL
Minimal glass preparation with no glass cutouts required:

Simple sliding glass door installation with the confidence of proven clamping and roller assembly technology.

PLUG & GO
The simple solution for electrical connection and configuration :

Facilitates electrical connection in just three easy steps with guidance via the display.

SYSTEM FIT
The modular solution for your installation project:

Offers solutions for almost any installation project with modular system components which can be combined in a variety of ways.

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AUTO MOVE
The automatic function for your convenience

Hands-free access for a variety of domestic and commercial settings.

AUTO MOVE

- Opens the door automatically so that you can keep your hands free for other things.

- Closes the door automatically and smoothly, ensuring discretion and safety in closed spaces offering comfort, silence, pleasant warmth and all the privacy you need.

- Is convincingly quiet (less than 55 dB) and it hardly makes any more noise than a manual sliding door.*

- Can be manually operated whenever necessary – e.g. in the event of a power cut. Here Portavant 80 automatic proves compelling with very low slide resistance, setting new standards for belt-driven automatic doors.

* Measured in a laboratory setting. Noise is dependent on the type of door and composition of the wall or ceiling.

SAFE USE
Intelligent control for your safety

SAFE USE ensures that the door reacts instantly to any obstacles in its path as it opens or shuts by stopping immediately and returning directly to its starting point, where it remains until the hold open period has expired or there is another pulse.

If the door is started again and touches an obstacle in the same place for a second time, the intelligent control system recognises the multiple touch and temporarily disables the door. The number of times that an obstacle is touched is therefore kept to a minimum. Once the obstacle has been removed, the door can be activated again with a push.

The combination of an intelligent control system with a low kinetic energy mode (limited door weights and rates of motion) ensures a high level of personal protection so that automatic sliding doors can, as a rule, also be operated without safety edge monitoring sensors in accordance with DIN 18650 and EN 16005, respectively.

If people requiring special protection (e.g. small children) are likely to get in the way of the door, it's easy to switch the door to semi-automatic mode (the door only moves on deliberate activation and under supervision of the activating user) or manual mode. It is also possible to reduce the speed of travel (especially when closing).

SAFE USE creates a safe environment for everything you value.

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MODE SELECT
Choose the operating mode that best meets your needs

With **Portavant 80 automatic** you can select the operating mode in line with your requirements via the two-row display and a user-friendly menu:

In automatic mode, the door opens on being triggered with a pulse and closes again automatically after a set period, ensuring discretion and safety in closed spaces offering comfort, silence, pleasant warmth and all the privacy you need. Possible pulsing devices can be a motion sensor, a push button, a radio remote control and/or the Push & Go function. A double tap on the push button or radio remote control or manually stopping the door just after it has started to close can temporarily disable automatic closing – the door then remains open until automatic mode is activated again with another pulse. This can be useful in situations where there is temporarily increased traffic and in which constant closing would be a nuisance (e.g. a party). In automatic mode you can also choose whether an installed motion sensor should be switched on or off to prevent pets, for example, entering a room.

In semi-automatic mode, the door only opens when the user triggers a pulse using the push button, radio remote control or the Push & Go function. If a motion sensor is installed, the latter remains switched off. In this mode, the door remains open until another pulse is triggered. This means that in semi-automatic mode the door only moves under the control of the activating user. Semi-automatic mode can be especially useful if there are people in the building requiring special protection (e.g. small children).

The automatic door can also be switched to manual operation at any time and used like any ordinary sliding door without activating the drive unit.

Hotels can choose locking modes which prevent guests changing the setting chosen by the hotel operator.

MODE SELECT allows you to decide the "open sesame" for your automatic door and which door function is triggered by the pulse.

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The following pulsing devices are offered by Portavant 80 automatic:

Push & Go

With just a gentle push of the door, the system immediately recognises the direction of motion and automatically continues in that direction. Push & Go can be used both to open and close the door.

Push button

Portavant 80 automatic can also be operated by means of a radio transmitter in combination with a wall push button (not included), which you can choose from any range of flushmounted push buttons. If a radio solution is to be used, a radio receiver can very easily be inserted into the control unit of the door using the Plug & Go function.

Art. No.	Description
BO 5215123	Radio transmitter for use with push button

Radio remote control

If you wish to open and close the door at your convenience from a remote location (e.g. the sofa or from behind a desk), you can use a radio remote control. One remote control can operate up to four doors.

Art. No.	Description
BO 5215122	Radio remote control

Motion sensor

Your Portavant 80 automatic door opens as if by magic with a motion sensor. The high-end motion sensor from the Portavant range can even recognise the direction of movement and block out cross movement. This ensures that the door only opens if you walk towards it and not if you are moving away from it or are just walking past.

Art. No.	Description
BO 5215124	Motion sensor, black
BO 5215125	silver cover cap
BO 5215126	white cover cap

EASY INSTALL
The solution for easy installation without glass cutouts

Portavant 80 automatic proves as compelling as the tried and tested Portavant 120 because it uses the same clamping and roller assembly technology and therefore offers straightforward and simple installation.

No glass cutout necessary
The well-proven clamping technology makes work on the glass unnecessary. The suspension system has been developed in such a way that the doors are securely held by the clamping mechanism. The drive belt is also compactly accommodated in the track without needing a glass cutout.

Ease of assembly
Portavant impresses through its ease of assembly and simple handling in all installation situations:

- The door can be hung on the mounted track from the front without difficulty. No need to hang the heavy door into the cover profile!

- Anti-tilting devices and safety catches can be adjusted at a later time.

Easy positioning
Portavant 80 automatic glass sliding doors can be adjusted horizontally and in height with only a few actions (height adjustment ± 4 mm).

Simple installation of the drive technology
The drive unit is simply screwed sideways into the track.
It can be used on either the right or left side. The drive belt too is easy to insert by threading it through the unit and attaching it with front access.

EASY INSTALL turns the installation of glass sliding doors into a piece of cake.
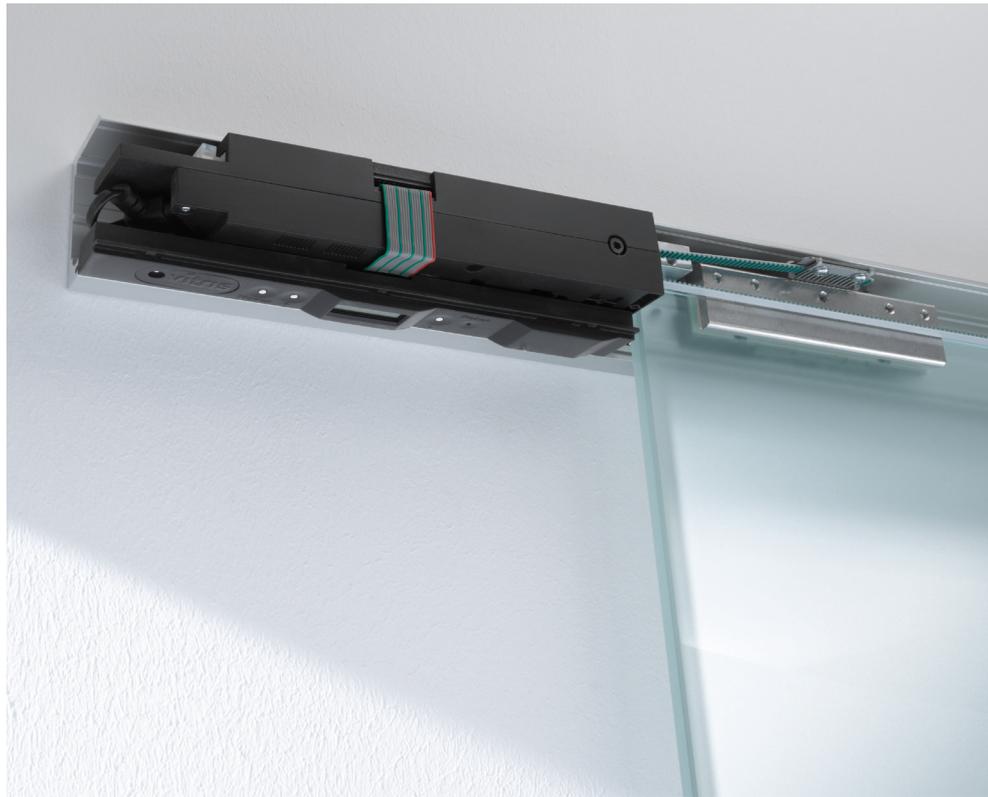
PLUG & GO
The solution for electrical connection and configuration

Electrical connection

Thanks to an intelligent plug-in system, it is possible to connect Portavant 80 automatic to power in three easy steps:

1. Plug in the display cable
2. Plug in the radio receiver or pulsing devices
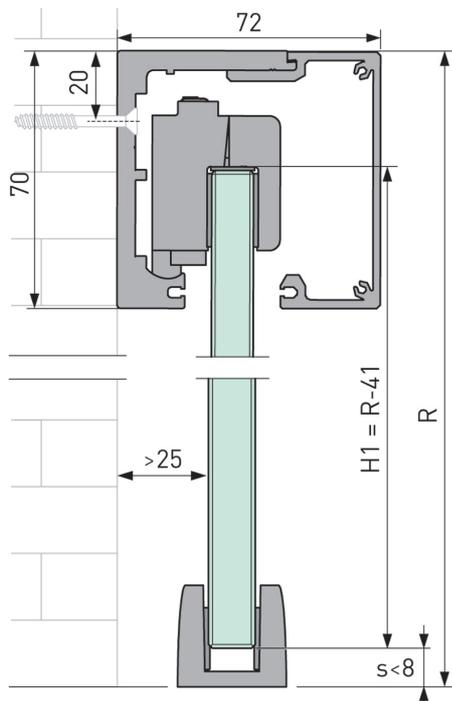3. Plug in the mains cable

Configuring the door

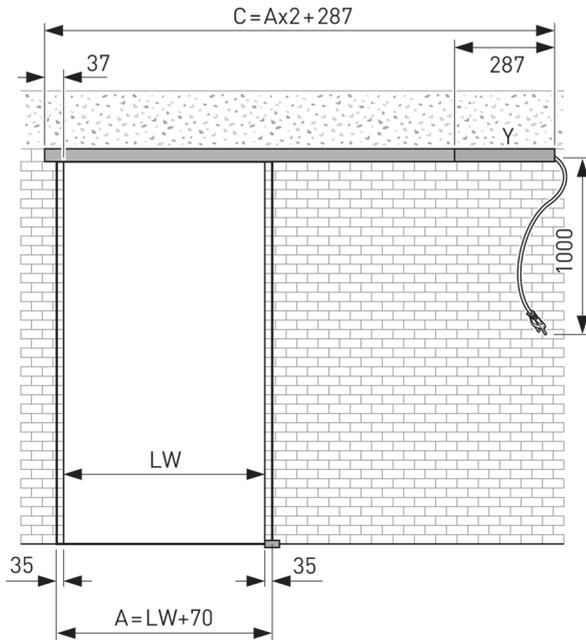A user-friendly menu guide and two-row display make configuring the door a piece of cake. A learning cycle is run automatically to find the stop positions.

SYSTEM FIT
The modular solution for your installation project

Portavant 80 automatic Sliding Door Complete Set, Wall Mounting

▶ Portavant 80 automatic, Wall Mounting, Single Door

$$C = A \times 2 + 287$$

37

287

Y

1000

LW

35

35

$$A = LW + 70$$

ℹ Mounting: wall mounting · version: single door · max. door weight: 80 kg · glass thickness tempered glass: 8, 10, 12 mm · glass thickness laminated safety glass: 8.76; 10.76; 12.76 mm · ratio width : height < 1 : 2.5
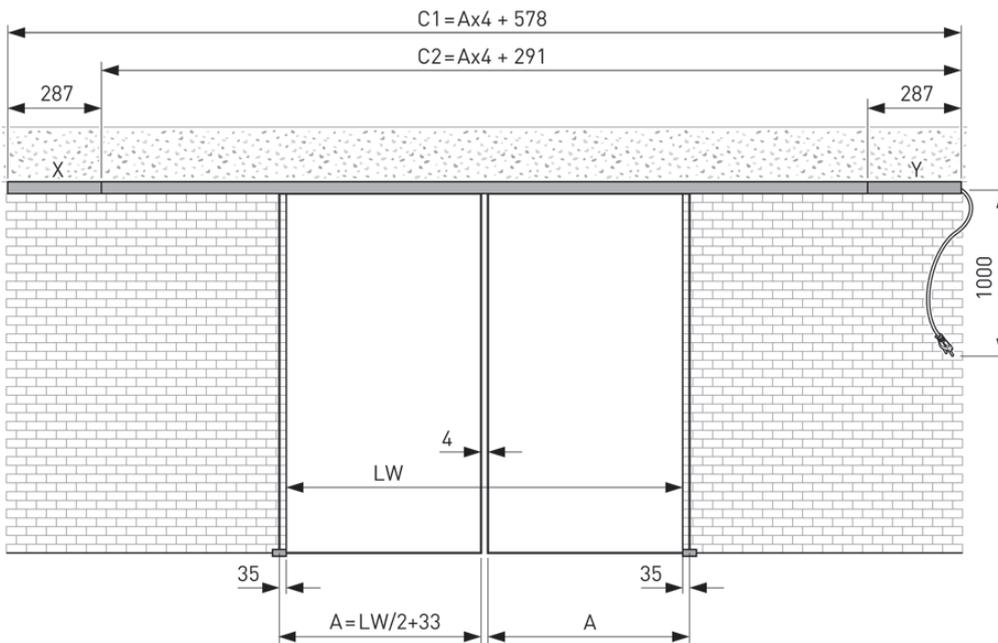
Set includes:
1 x running track, wall mounting
1 x cover
1 x accessory set
1 x cam belt

R = Room Height · LW = Clear Width · A = Glass width sliding door · H1 = Glass height sliding door · C = Length of running track

Art. No.	Finish · Length
BO 5215101	EV1 · 2596 mm
BO 5215102	C31 · 2596 mm

▶ Portavant 80 automatic, Wall Mounting, Double Doors

$$C1 = A \times 4 + 578$$

$$C2 = A \times 4 + 291$$

287

287

X

Y

1000

4

LW

35

35

$$A = LW/2 + 33$$

A

R = Room Height
LW = Clear Width
A = Glass width sliding door
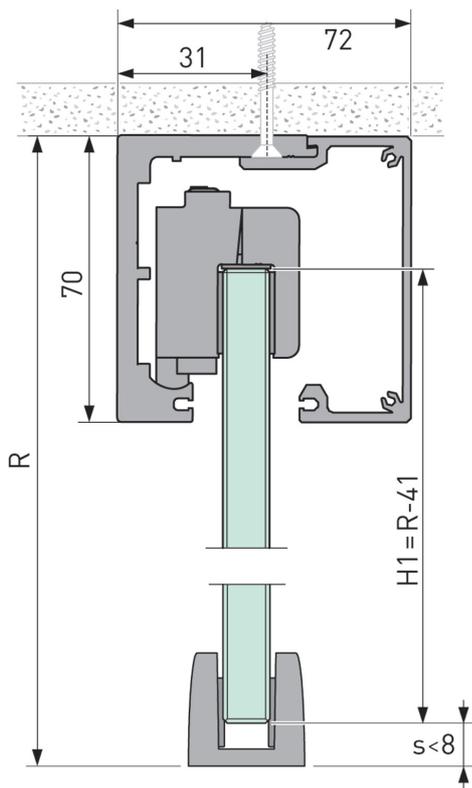H1 = Glass height sliding door
C = Length of running track

ℹ Mounting: wall mounting · version: double doors · max. door weight per door: 60 kg · glass thickness tempered glass: 8, 10, 12 mm · glass thickness laminated safety glass: 8.76; 10.76; 12.76 mm · ratio width : height < 1 : 2.5

Set includes:
1 x running track, wall mounting
1 x cover
1 x accessory set
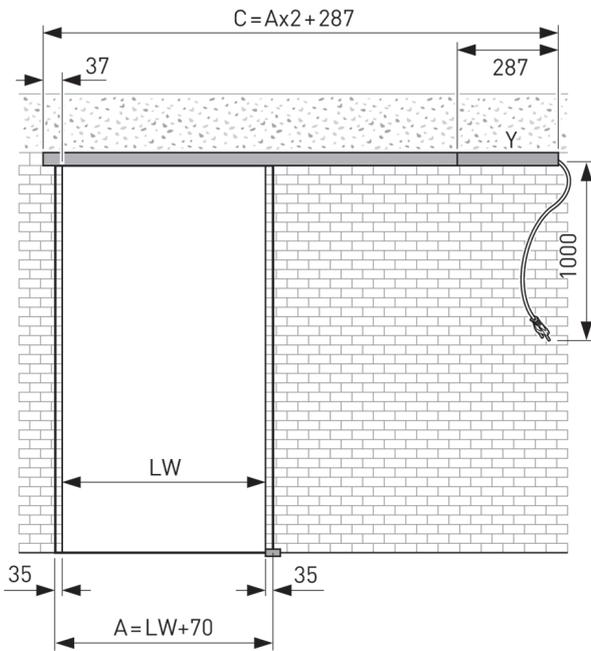1 x cam belt
1 x supplementary set for second door

Art. No.	Finish · Length
BO 5215103	EV1 · 5196 mm
BO 5215104	C31 · 5196 mm

Portavant 80 automatic, Ceiling Mounting, Single Door

$C = A \times 2 + 287$

37

287

Y

1000

LW

35

35

$A = LW + 70$

ℹ Mounting: ceiling mounting · version: single door · max. door weight: 80 kg · glass thickness tempered glass: 8, 10, 12 mm · glass thickness laminated safety glass: 8.76; 10.76; 12.76 mm · ratio width : height < 1 : 2.5
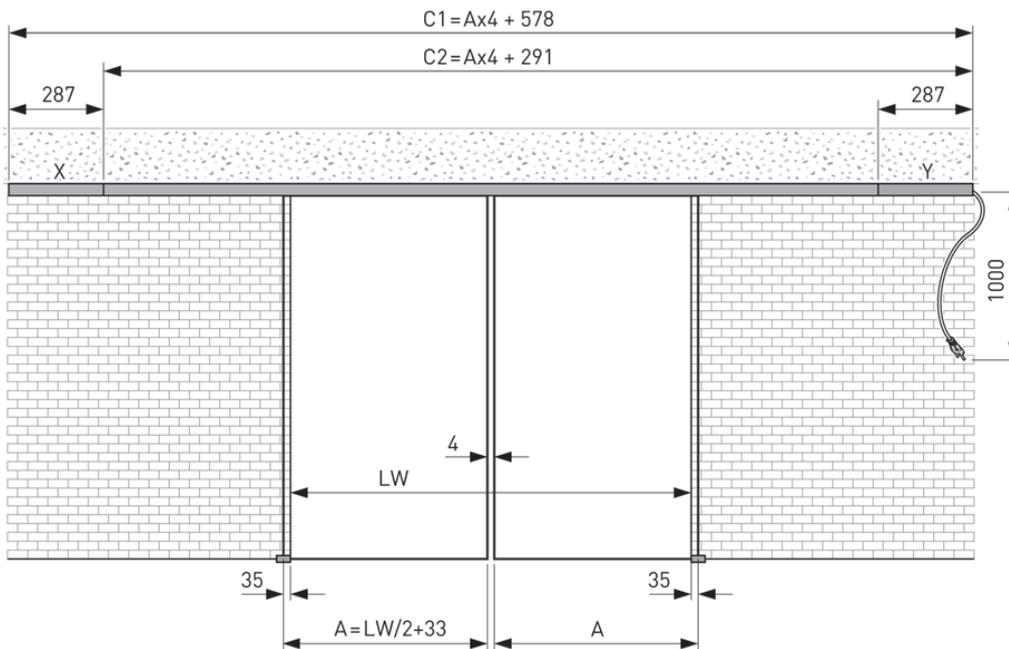
Set includes:
1 x running track, ceiling mounting
1 x cover
1 x accessory set
1 x cam belt

R = Room Height · LW = Clear Width · A = Glass width sliding door · H1 = Glass height sliding door · C = Length of running track

Art. No.	Finish · Length
BO 5215105	EV1 · 2596 mm
BO 5215106	C31 · 2596 mm

Portavant 80 automatic, Ceiling Mounting, Double Doors

$C1 = A \times 4 + 578$

$C2 = A \times 4 + 291$

287

287

X

Y

1000

LW

4

35

35

$A = LW/2 + 33$

A

R = Room Height
LW = Clear Width
A = Glass width sliding door
H1 = Glass height sliding door
C = Length of running track

ℹ Mounting: ceiling mounting · version: double doors · max. door weight per door: 60 kg · glass thickness tempered glass: 8, 10, 12 mm · glass thickness laminated safety glass: 8.76; 10.76; 12.76 mm · ratio width : height < 1 : 2.5

Set includes:
1 x running track, ceiling mounting
1 x cover
1 x accessory set
1 x cam belt
1 x supplementary set for second door

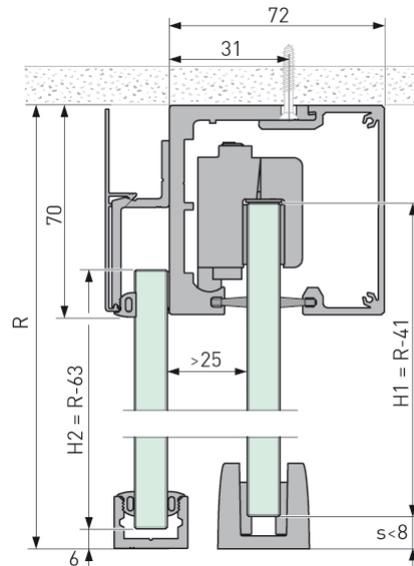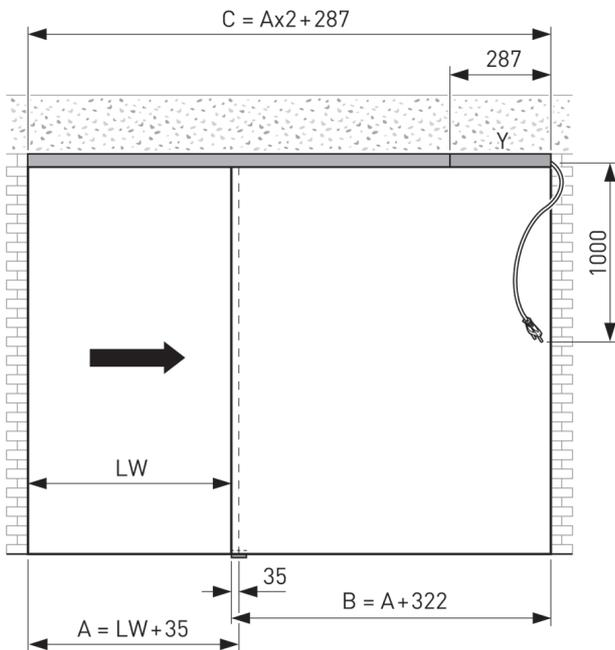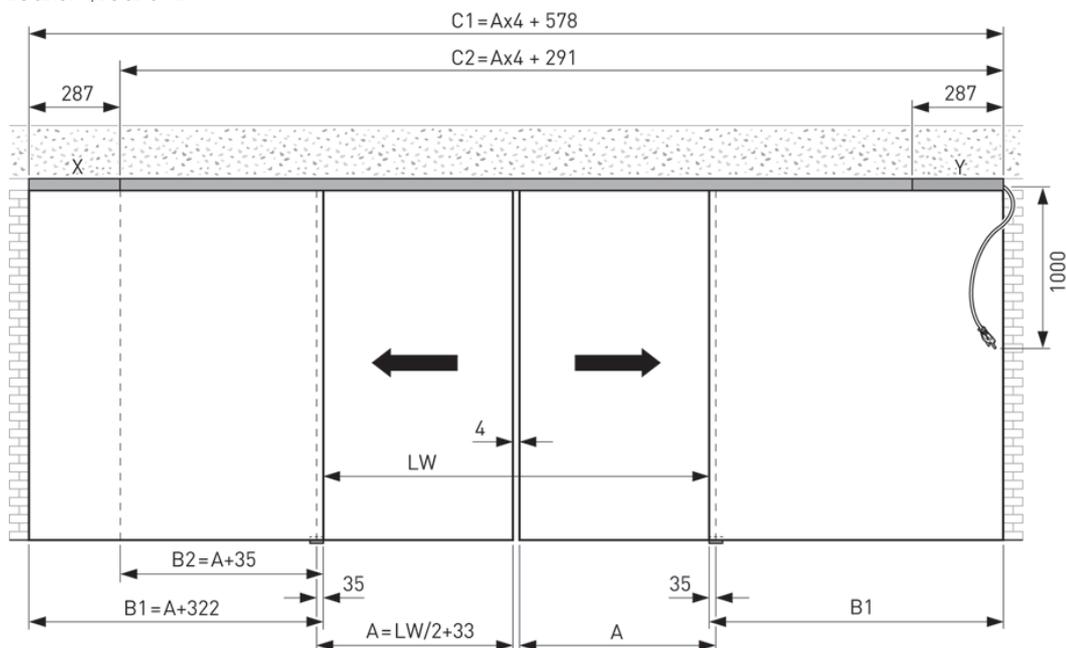| Art. No.	Finish · Length
BO 5215107	EV1 · 5196 mm
BO 5215108	C31 · 5196 mm

ⓘ Mounting: ceiling mounting · version: single or double door

Set includes:
1 x fixed glazing support profile
1 x cover
1 x self-adhesive PET inserts
1 x end cap
Screws

Art. No.	Finish · Length
BO 5215109	EV1 · 2596 mm
BO 5215110	C31 · 2596 mm
BO 5215111	EV1 · 5196 mm
BO 5215112	C31 · 5196 mm

BO 5215109/BO 5215110

$C = A \times 2 + 287$
287
Y
1000
LW
35
$B = A + 322$
$A = LW + 35$

72
31
70
R
$H2 = R-63$
>25
6
$H1 = R-41$
s<8

BO 5215111/BO 5215112

$C1 = A \times 4 + 578$
$C2 = A \times 4 + 291$
287
287
X
Y
1000
4
LW
$B2 = A + 35$
35
35
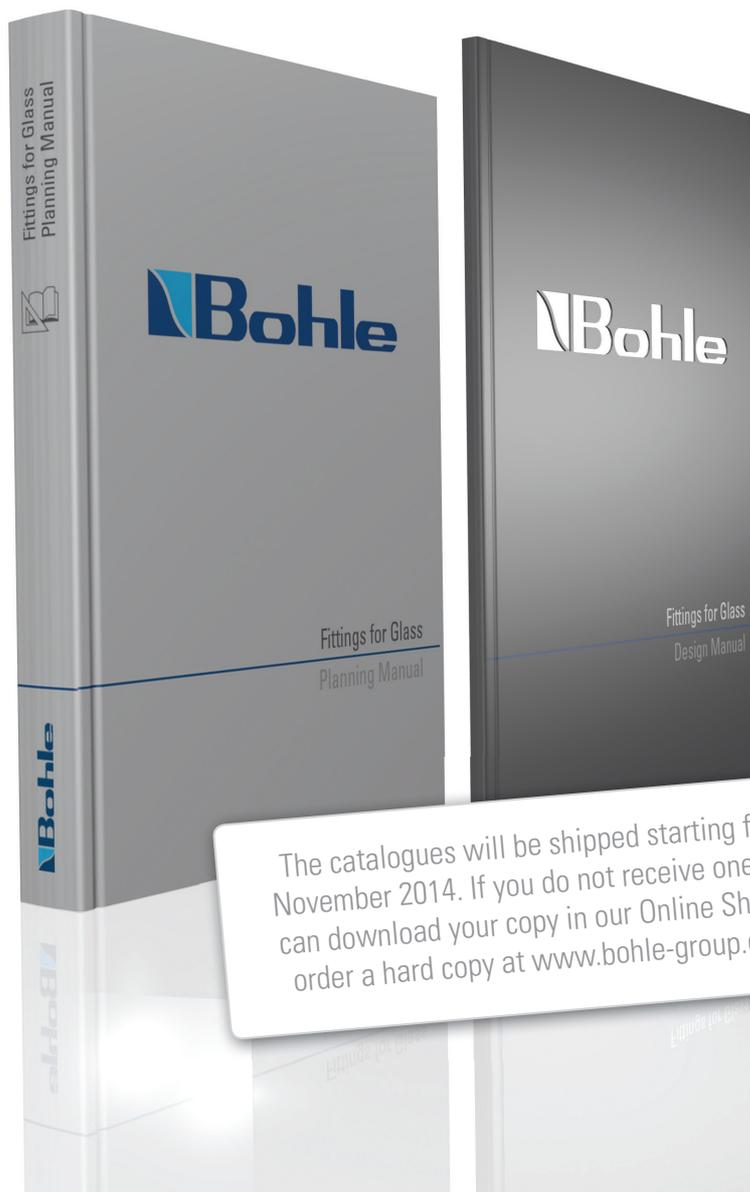$B1 = A + 322$
$A = LW/2 + 33$
A
B1

Hot off the press: New Bohle Hardware Catalogues

Two new Hardware Catalogues will be published for glasstec 2014: a Design Manual and a Planning Manual. With its approximately 160 pages, the Design Manual contains all essential product lines, generously illustrated with numerous application images. This catalogue is perfectly suited for choosing the right fitting together with your customer, for example. Clearly structured tables show you the way to the suitable products; design and application possibilities are displayed in large images. In addition, intelligent cross references in the Design Manual make finding the right products in the Planning Manual surprisingly easy. The Planning Manual, with more than 700 pages, contains all relevant technical data, diagrams and additional information, which will greatly simplify your daily work with our products.

The desired products can be ordered quickly and easily in our Bohle Online Shop. Available 24 hours, 7 days a week, always up to date and with another 3% discount: www.bohle-group.com

The catalogues will be shipped starting from November 2014. If you do not receive one, you can download your copy in our Online Shop or order a hard copy at www.bohle-group.com.

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