

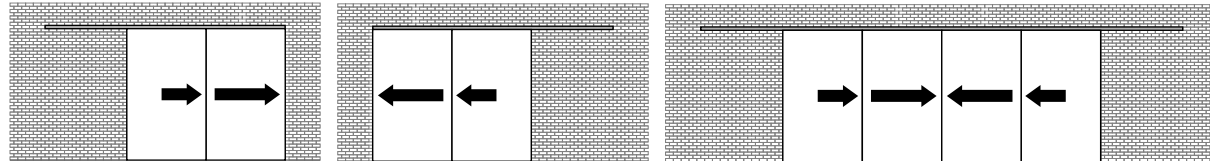


## Article list Portavant 60 twinline Complete Sets

The twin-track sliding door moves two sashes with the same gentle action as one!

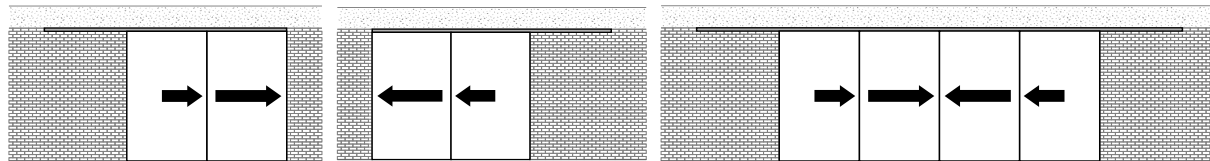


Overview of feasible installation situations Portavant 60 twinline



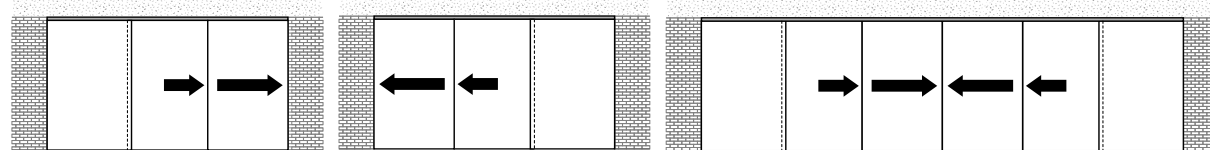
Wall mounting

Pages 1 - 4



Ceiling mounting

Pages 5 - 8

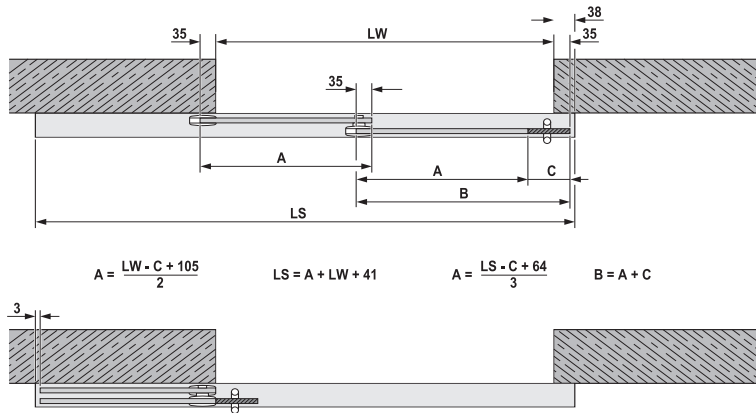


Ceiling mounting with sidelight

Pages 9 - 11

Portavant 60 twinline – Determination of measurements: wall mounting, one-sided systems, closing to the left or right

Calculation of glass width and profile length



436, EV180, 1407

Your project measurements (mm)

Clear width (building) = LW = \_\_\_\_\_

Calculation of glass width of sliding sashes (mm)

2<sup>nd</sup> sliding sash

$A = (LW - C + 105)/2 =$  \_\_\_\_\_

1<sup>st</sup> sliding sash

$B = A + C =$  \_\_\_\_\_

**Note:**

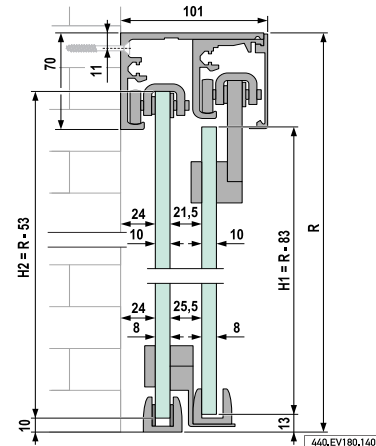
Please see the drawings on page 13 for the necessary glass drill holes.  
To determine the required closing direction, please refer to the drawings on page 3.

Calculation of profile length (mm) (track profiles & cover profile)

$LS = A + LW + 41 =$  \_\_\_\_\_

Length of track & cover profiles  
for your Portavant 60 twinline system

Calculation of glass height



Your project measurements (mm)

Room height (upper edge of profile) = R = \_\_\_\_\_

Calculation of glass height of the 1<sup>st</sup> sliding sash (mm)

$H1 = R - 83 =$  \_\_\_\_\_

Calculation of glass height of the 2<sup>nd</sup> sliding sash (mm)

$H2 = R - 53 =$  \_\_\_\_\_

**Note:**

The maximum height-width ratio of the sliding sashes is 3:1.

Calculation of sash weight

Sash weight of sliding sashes (kg per sash)

≤ 60

TELESCOPIC USE    SYNCHRO MOVE

COMFORT STOP    PERFECT CLOSE

2 x per sash

Your project measurements (mm)

Glass thickness of sliding sashes = \_\_\_\_\_

Calculation of sash weight of sliding sash (kg)

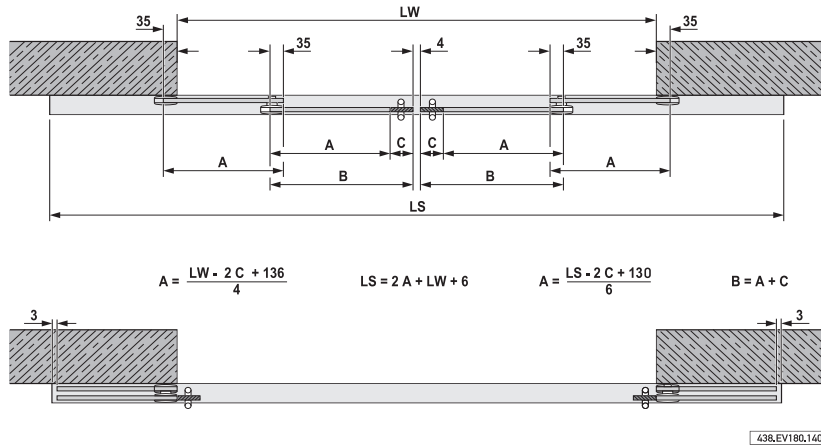
Sash weight =  $B/1000 \times H1/1000 \times$   
glass thickness (without film)  $\times 2.5 =$   
\_\_\_\_\_ (maximum 60 kg)

**Note:**

If you require fittings for sash weights over 60 kg, contact us about Portavant 150 multilene.

Portavant 60 twinline – Determination of measurements: wall mounting, two-sided systems

Calculation of glass width and profile length



Your project measurements (mm)

Clear width (building) = LW = \_\_\_\_\_

Calculation of glass width of sliding sashes (mm)

2<sup>nd</sup> sliding sash

$A = (LW - 2C + 136)/4 =$  \_\_\_\_\_

1<sup>st</sup> sliding sash

$B = A + C =$  \_\_\_\_\_

**Note:**

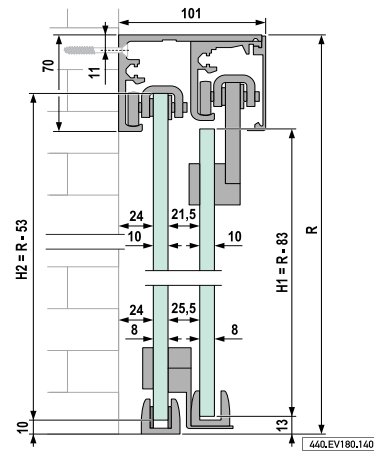
Please see the drawings on page 13 for the necessary glass drill holes.

Calculation of profile length (mm) (track profiles & cover profile)

$LS = 2A + LW + 6 =$  \_\_\_\_\_

Length of track & cover profiles  
for your Portavant 60 twinline system

Calculation of glass height



Your project measurements (mm)

Room height (upper edge of profile) = R = \_\_\_\_\_

Calculation of glass height of the 1<sup>st</sup> sliding sash (mm)

$H1 = R - 83 =$  \_\_\_\_\_

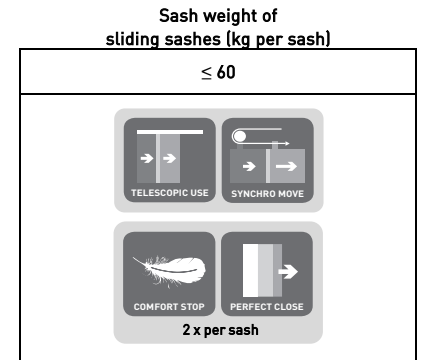
Calculation of glass height of the 2<sup>nd</sup> sliding sash (mm)

$H2 = R - 53 =$  \_\_\_\_\_

**Note:**

The maximum height-width ratio of the sliding sashes is 3:1.

Calculation of sash weight



Your project measurements (mm)

Glass thickness of sliding sashes = \_\_\_\_\_

Calculation of sash weight of sliding sash (kg)

Sash weight =  $B/1000 \times H1/1000 \times$   
glass thickness (without film)  $\times 2.5 =$   
\_\_\_\_\_ (maximum 60 kg)

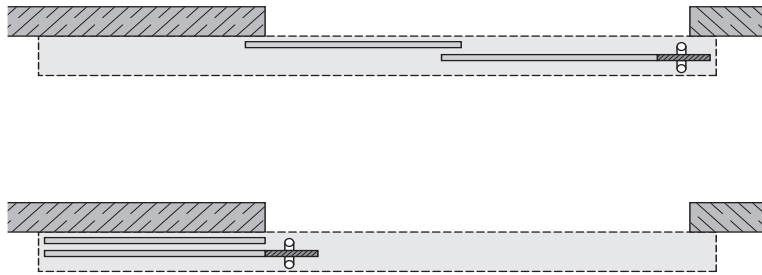
**Note:**

If you require fittings for sash weights over 60 kg, contact us about Portavant 150 multiline.

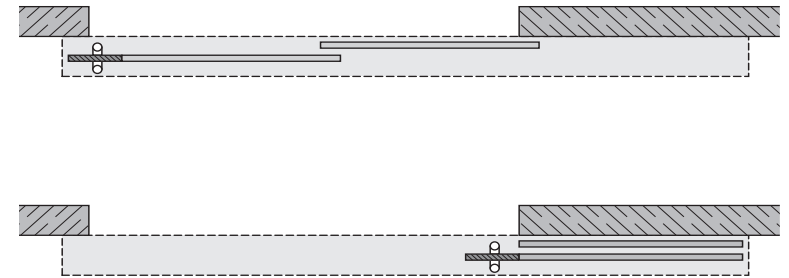
For one-sided systems, please determine the required closing direction before selecting the complete set.

One-sided systems without sidelight

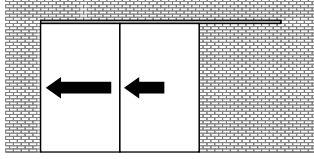
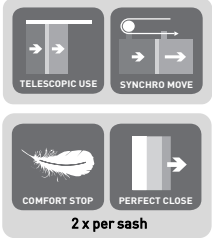
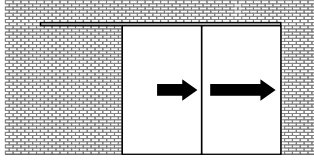
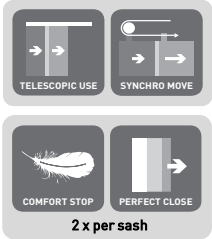
Closing to the right



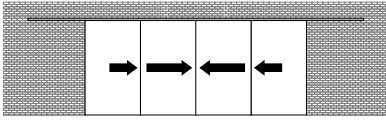
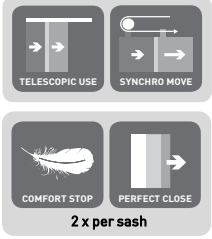
Closing to the left



Portavant 60 twinline – Complete sets wall mounting, one-sided systems, closing to the left or right

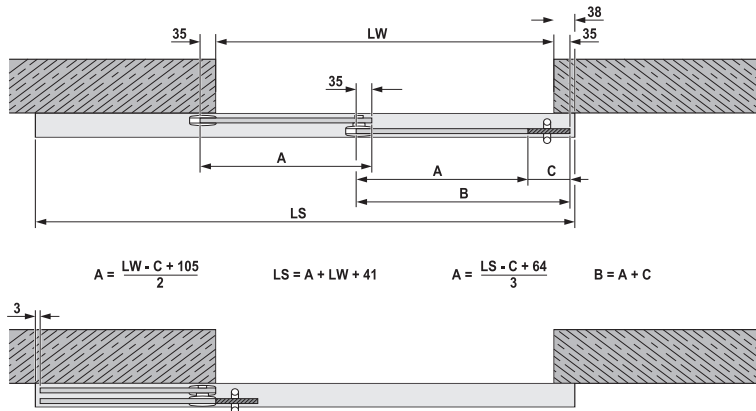
Installation situation	Description	Profile length	Product number	Execution	Unit	Price in EUR
		<p><b>Complete set Portavant 60 twinline one-sided system, closing to the left</b>  <b>2x COMFORT STOP + PERFECT CLOSE per sash</b>                      includes:                      1x track profile for wall mounting                      1x track attachment                      1x cover profile                      1x accessory kit, one-sided system, closing to the left end plates</p>	2596 mm	616 312.2596.110	EV 1	1 unit
			5196 mm	616 312.5196.110	EV 1	1 unit
			cut to size (mm)	A616 312.length.110	EV 1	per m (cut to size)
			<p>Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.                      To determine the required closing direction, see the drawings on page 3.</p>			
		<p><b>Complete set Portavant 60 twinline one-sided system, closing to the right</b>  <b>2x COMFORT STOP + PERFECT CLOSE per sash</b>                      includes:                      1x track profile for wall mounting                      1x track attachment                      1x cover profile                      1x accessory kit, one-sided system, closing to the right end plates</p>	2596 mm	616 313.2596.110	EV 1	1 unit
			5196 mm	616 313.5196.110	EV 1	1 unit
			cut to size (mm)	A616 313.length.110	EV 1	per m (cut to size)
			<p>Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.                      To determine the required closing direction, see the drawings on page 3.</p>			

Portavant 60 twinline – Complete sets wall mounting, two-sided systems

		<p><b>Complete set Portavant 60 twinline two-sided system</b>  <b>2x COMFORT STOP + PERFECT CLOSE per sash</b>                      includes:                      1x track profile for wall mounting                      1x track attachment                      1x cover profile                      1x accessory kit, one-sided system, closing to the left                      1x accessory kit, one-sided system, closing to the right end plates</p>	5196 mm	616 314.5196.110	EV 1	1 unit		
			cut to size (mm)	B616 314.length.110	EV 1	per m (cut to size)		
			<p>Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.</p>					

Portavant 60 twinline – Determination of measurements: ceiling mounting without sidelight, one-sided systems, closing to the left or right

Calculation of glass width and profile length



436.EV180.1407

Your project measurements (mm)

Clear width (building) = LW = \_\_\_\_\_

Calculation of glass width of sliding sashes (mm)

2<sup>nd</sup> sliding sash

$A = (LW - C + 105)/2 =$  \_\_\_\_\_

1<sup>st</sup> sliding sash

$B = A + C =$  \_\_\_\_\_

**Note:**

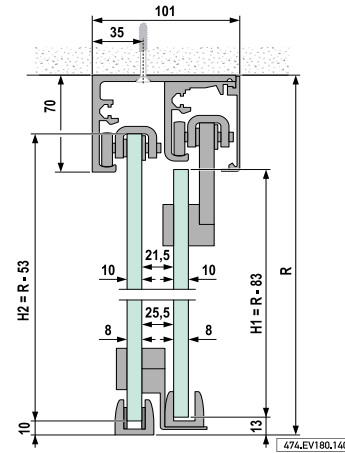
Please see the drawings on page 13 for the necessary glass drill holes.  
To determine the required closing direction, please refer to the drawings on page 7.

Calculation of profile length (mm) (track profiles & cover profile)

$LS = A + LW + 41 =$  \_\_\_\_\_

Length of track & cover profiles  
for your Portavant 60 twinline system

Calculation of glass height



474.EV180.1407

Your project measurements (mm)

Room height (upper edge of profile) = R = \_\_\_\_\_

Calculation of glass height of the 1<sup>st</sup> sliding sash (mm)

$H1 = R - 83 =$  \_\_\_\_\_

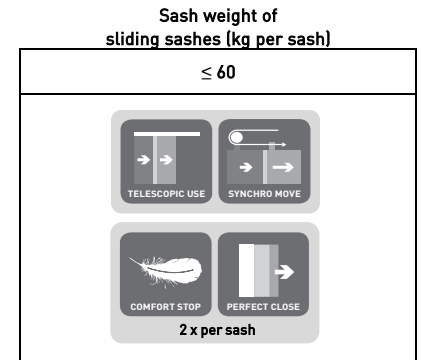
Calculation of glass height of the 2<sup>nd</sup> sliding sash (mm)

$H2 = R - 53 =$  \_\_\_\_\_

**Note:**

The maximum height-width ratio of the sliding sashes is 3:1.

Calculation of sash weight



Your project measurements (mm)

Glass thickness of sliding sashes = \_\_\_\_\_

Calculation of sash weight of sliding sash (kg)

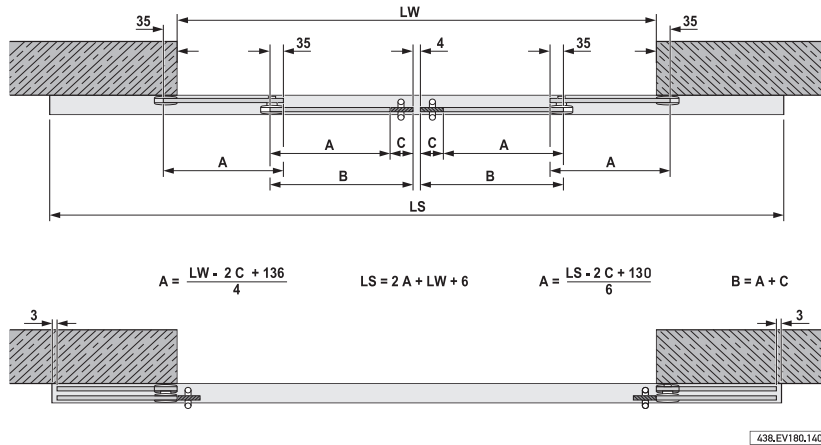
Sash weight =  $B/1000 \times H1/1000 \times$   
glass thickness (without film)  $\times 2.5 =$   
\_\_\_\_\_ (maximum 60 kg)

**Note:**

If you require fittings for sash weights over 60 kg, contact us about Portavant 150 multiline.

Portavant 60 twinline – Determination of measurements: ceiling mounting without sidelight, two-sided systems

Calculation of glass width and profile length



Your project measurements (mm)

Clear width (building) = LW = \_\_\_\_\_

Calculation of glass width of sliding sashes (mm)

2<sup>nd</sup> sliding sash

$A = (LW - 2C + 136) / 4 =$  \_\_\_\_\_

1<sup>st</sup> sliding sash

$B = A + C =$  \_\_\_\_\_

**Note:**

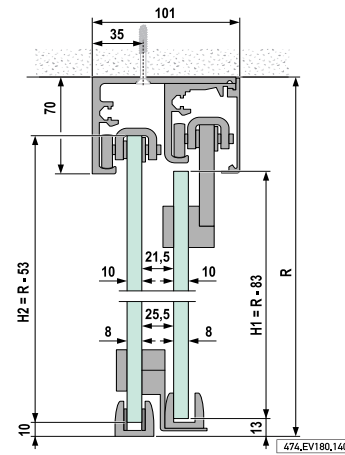
Please see the drawings on page 13 for the necessary glass drill holes.

Calculation of profile length (mm) (track profiles & cover profile)

$LS = 2A + LW + 6 =$  \_\_\_\_\_

Length of track & cover profiles  
for your Portavant 60 twinline system

Calculation of glass height



Your project measurements (mm)

Room height (upper edge of profile) = R = \_\_\_\_\_

Calculation of glass height of the 1<sup>st</sup> sliding sash (mm)

$H1 = R - 83 =$  \_\_\_\_\_

Calculation of glass height of the 2<sup>nd</sup> sliding sash (mm)

$H2 = R - 53 =$  \_\_\_\_\_

**Note:**

The maximum height-width ratio of the sliding sashes is 3:1.

Calculation of sash weight

Sash weight of sliding sashes (kg per sash)

≤ 60

Your project measurements (mm)

Glass thickness of sliding sashes = \_\_\_\_\_

Calculation of sash weight of sliding sash (kg)

Sash weight =  $B / 1000 \times H1 / 1000 \times$   
glass thickness (without film)  $\times 2.5 =$   
\_\_\_\_\_ (maximum 60 kg)

**Note:**

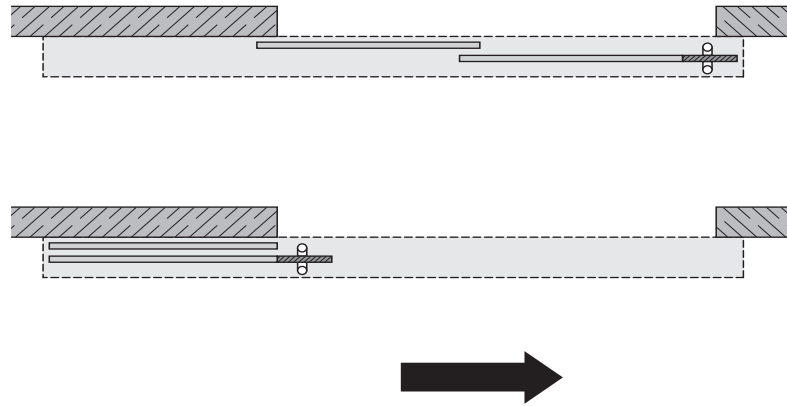
If you require fittings for sash weights over 60 kg, contact us about Portavant 150 multilene.



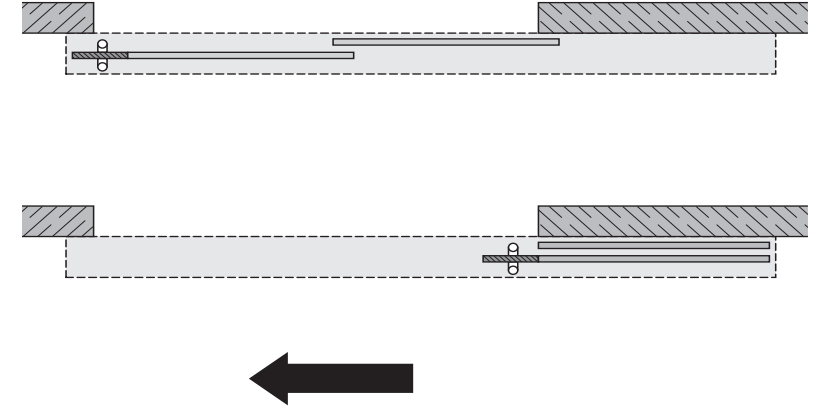
For one-sided systems, please determine the required closing direction before selecting the complete set.

One-sided systems without sidelight

Closing to the right

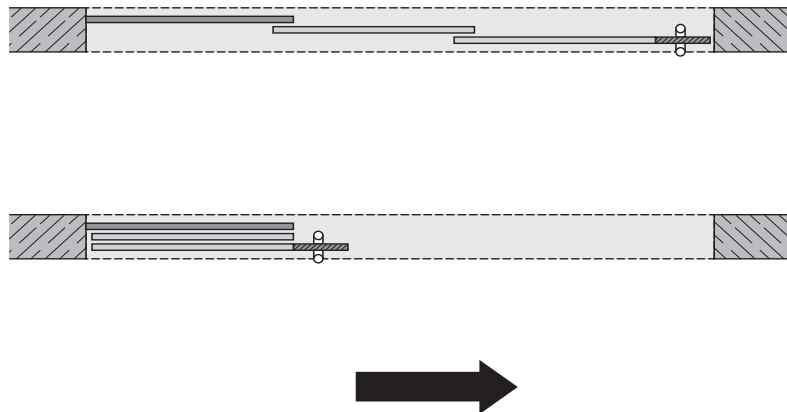


Closing to the left

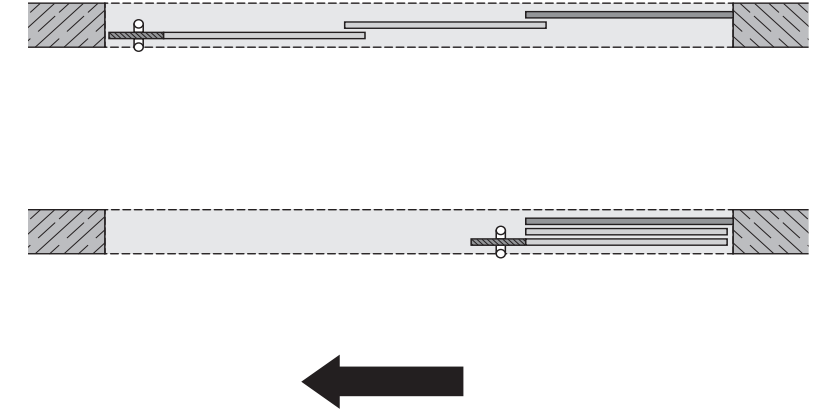


One-sided systems with sidelight

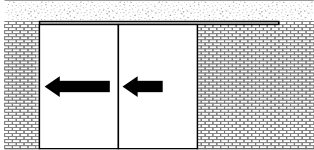
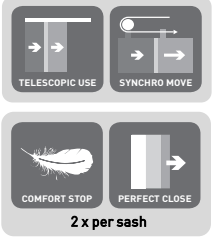
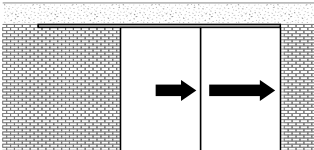
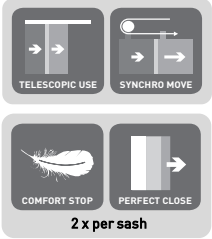
Closing to the right



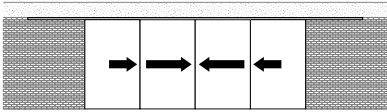
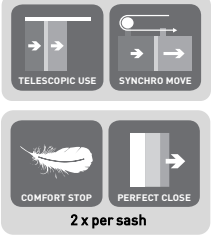
Closing to the left



Portavant 60 twinline – Complete sets ceiling mounting without sidelight, one-sided systems, closing to the left or right

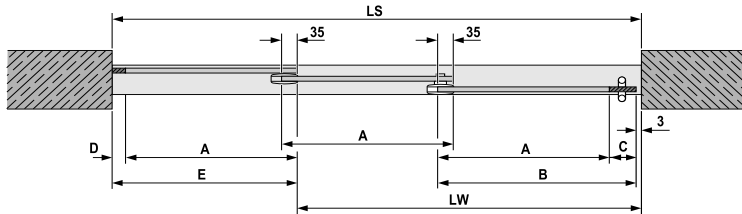
Installation situation	Description	Profile length	Product number	Execution	Unit	Price in EUR
	 <p><b>2 x per sash</b></p>	<p><b>Complete set Portavant 60 twinline one-sided system, closing to the left</b>  <b>2x COMFORT STOP + PERFECT CLOSE per sash</b>                      includes:                      1x track profile for ceiling mounting                      1x track attachment                      1x cover profile                      1x accessory kit, one-sided system, closing to the left end plates</p>	2596 mm	616 322.2596.110	EV 1	1 unit
			5196 mm	616 322.5196.110	EV 1	1 unit
			cut to size (mm)	A616 322.length.110	EV 1	per m (cut to size)
<p>Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1. To determine the required closing direction, see the drawings on page 7.</p>						
	 <p><b>2 x per sash</b></p>	<p><b>Complete set Portavant 60 twinline one-sided system, closing to the right</b>  <b>2x COMFORT STOP + PERFECT CLOSE per sash</b>                      includes:                      1x track profile for ceiling mounting                      1x track attachment                      1x cover profile                      1x accessory kit, one-sided system, closing to the right end plates</p>	2596 mm	616 323.2596.110	EV 1	1 unit
			5196 mm	616 323.5196.110	EV 1	1 unit
			cut to size (mm)	A616 323.length.110	EV 1	per m (cut to size)
<p>Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1. To determine the required closing direction, see the drawings on page 7.</p>						

Portavant 60 twinline – Complete sets ceiling mounting without sidelight, two-sided systems

	 <p><b>2 x per sash</b></p>	<p><b>Complete set Portavant 60 twinline two-sided system</b>  <b>2x COMFORT STOP + PERFECT CLOSE per sash</b>                      includes:                      1x track profile for ceiling mounting                      1x track attachment                      1x cover profile                      1x accessory kit, one-sided system, closing to the left                      1x accessory kit, one-sided system, closing to the right end plates</p>	5196 mm	616 324.5196.110	EV 1	1 unit
			cut to size (mm)	B616 324.length.110	EV 1	per m (cut to size)
			<p>Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.</p>			

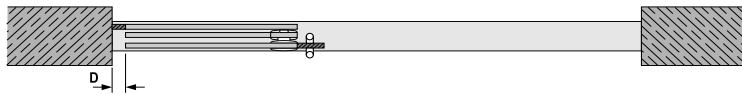
Portavant 60 twinline – Determination of measurements: ceiling mounting with sidelight, one-sided systems, closing to the left or right

Calculation of glass width and profile length



$$A = \frac{LS - C - D + 67}{3} \quad B = A + C$$

$$A = \frac{LW - C + 67}{2} \quad E = A + D$$



437.EV180,1407

Enter profile length (mm) (track profiles + cover profile) here:

LS = \_\_\_\_\_

Calculation of glass width of sliding sashes (mm)

2<sup>nd</sup> sliding sash

A = (LS - C - D + 67)/3 = \_\_\_\_\_

1<sup>st</sup> sliding sash

B = A + C = \_\_\_\_\_

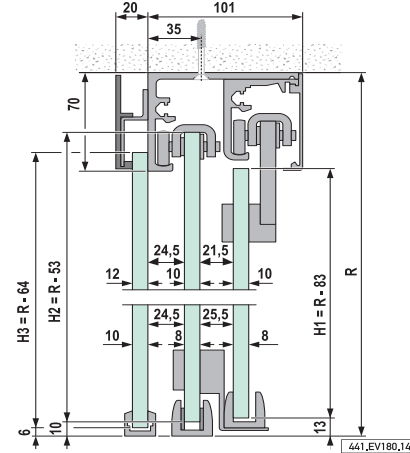
Calculation of glass width of sidelight (mm)

E = A + D = \_\_\_\_\_

Note:

Please see the drawings on page 13 for the necessary glass drill holes.  
To determine the required closing direction, please refer to the drawings on page 7.

Calculation of glass height



441.EV180,1407

Your project measurements (mm)

Room height (upper edge of profile) = R = \_\_\_\_\_

Calculation of glass height of the sliding sashes (mm)

H1 = R - 83 = \_\_\_\_\_

H2 = R - 53 = \_\_\_\_\_

Calculation of glass height of sidelight (mm)

H3 = R - 64 = \_\_\_\_\_

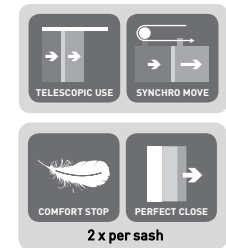
Note:

The maximum height-width ratio of the sliding sashes is 3:1.

Calculation of sash weight

Sash weight of sliding sashes (kg per sash)

≤ 60



Your project measurements (mm)

Glass thickness of sliding sashes = \_\_\_\_\_

Calculation of sash weight of sliding sash (kg)

Sash weight = B/1000 x H1/1000 x glass thickness (without film) x 2.5 = \_\_\_\_\_ (maximum 60 kg)

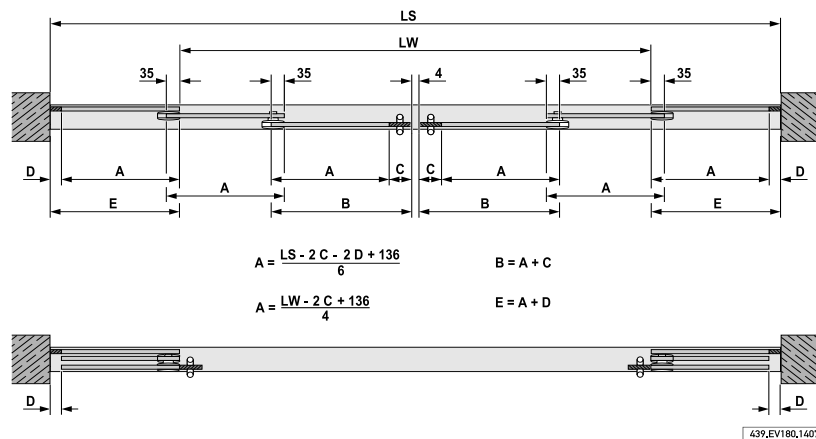
Note:

If you require fittings for sash weights over 60 kg, contact us about Portavant 150 multiline.

Length of track & cover profiles  
for your Portavant 60 twinline system

Portavant 60 twinline – Determination of measurements: ceiling mounting with sidelight, two-sided systems

Calculation of glass width and profile length



Enter profile length (mm) (track profiles + cover profile) here:

LS = \_\_\_\_\_

Calculation of glass width of sliding sashes (mm)

2<sup>nd</sup> sliding sash

$A = (LS - 2C - 2D + 136)/6 =$  \_\_\_\_\_

1<sup>st</sup> sliding sash

$B = A + C =$  \_\_\_\_\_

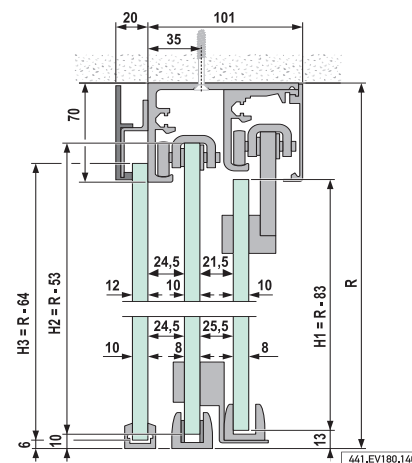
Calculation of glass width of sidelight (mm)

$E = A + D =$  \_\_\_\_\_

**Note:**

Please see the drawings on page 13 for the necessary glass drill holes.

Calculation of glass height



Your project measurements (mm)

Room height (upper edge of profile) = R = \_\_\_\_\_

Calculation of glass height of sliding sashes (mm)

$H1 = R - 83 =$  \_\_\_\_\_

$H2 = R - 53 =$  \_\_\_\_\_

Calculation of glass height of sidelight (mm)

$H3 = R - 64 =$  \_\_\_\_\_

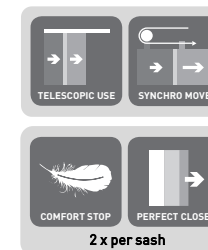
**Note:**

The maximum height-width ratio of the sliding sashes is 3:1.

Calculation of sash weight

Sash weight of sliding sashes (kg per sash)

≤ 60



Your project measurements (mm)

Glass thickness of sliding sashes = \_\_\_\_\_

Calculation of sash weight of sliding sash (kg)


Sash weight =  $B/1000 \times H1/1000 \times$   
glass thickness (without film)  $\times 2.5 =$   
\_\_\_\_\_ (maximum 60 kg)

**Note:**

If you require fittings for sash weights over 60 kg, contact us about Portavant 150 multilite.

Length of track & cover profiles  
for your Portavant 60 twinline system

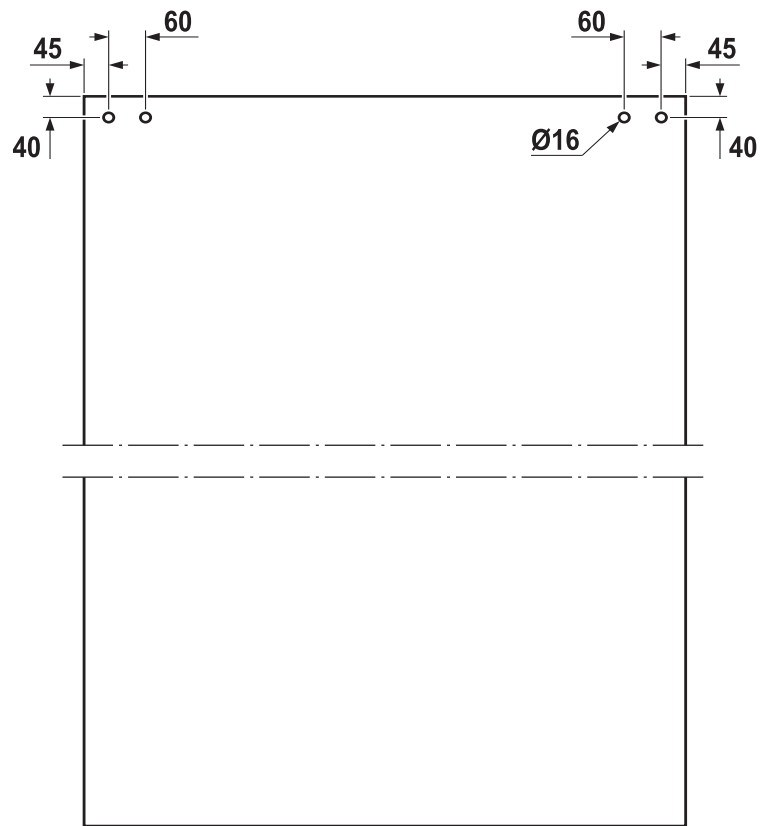
Portavant 60 twinline – Supplementary set for sidelight

Figure	Description	Profile length	Product number	Execution	Unit	Price in EUR	
<p>Do you wish to mount one or several sidelights at the rear side of the Portavant 60 twinline track profile?</p>		<p><b>Portavant 60 twinline supplementary set for sidelight</b> to combine with complete set for ceiling mounting includes:</p>	2596 mm	616 550.2596.110	EV 1	1 unit	
		<p>1x sidelight holding profile</p>	5196 mm	616 550.5196.110	EV 1	1 unit	
		<p>1x cover profile for sidelight holding profile</p>	cut to size (mm)	616 550.length.110	EV 1	per m (cut to size)	
		<p>self-adhesive PET insert for sidelight holding profile screws end plates</p>					



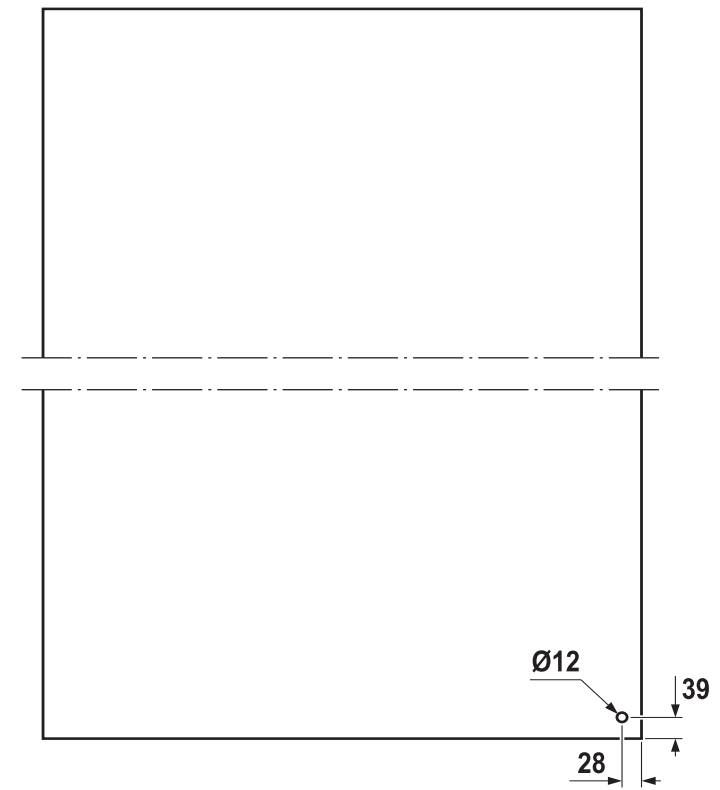
Door weight	Up to 60 kg per sliding sash
Height-width ratio	The maximum height-width ratio of the sliding sashes is 3:1.
Glass thickness for sliding sashes tempered glass laminated safety glass (made of tempered glass)	8 / 10 mm 8.76 / 10.76 mm
Glass thickness for sidelights tempered glass laminated safety glass	10 / 12 mm 10.76 / 12.76 mm
Available profile lengths	2596 mm, 5196 mm as well as fixed lengths (cut to measure)
Roller assemblies	High quality, precise roller bearings with plastic coating
Execution	One or two-sided, closing to the left or right, wall mounting, ceiling mounting, ceiling mounting with or without sidelight, colour: natural aluminium (EV1)

Drill holes  
1<sup>st</sup> sliding sash (with handle)

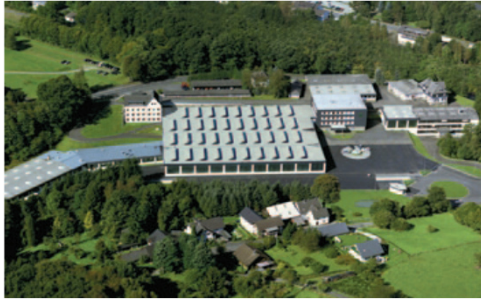


490.EV180.1410

Drill holes  
2<sup>nd</sup> sliding sash (with floating floor guide)



491.EV180.1410



### The company

With its VITRIS product division, Willach is among the leading producers of glass fittings in Europe. Since its foundation in 1889, the company has been dedicated to the manufacture of products to the highest quality and precision standards. Willach quickly cemented its pioneering reputation with numerous technical innovations and intelligent solutions that paid close attention to intricate detail. With the Portavant product line, Willach today offers a range of elegant, technically sophisticated fittings for glass sliding interior doors. The Aquant product line offers high-quality fittings for shower glass sliding doors. In addition, the Atrivant product line offers intelligent glass sliding door fittings for balcony and terrace glazing. Furthermore, the VITRIS product range comprises a comprehensive modular system of showcase fittings, sliding door locks and slot bar systems for discerning interior, shop and trade show furnishings. VITRIS products are certified in accordance with ISO standards and are manufactured at our Ruppichteroth production site in Germany to stringent manufacturing standards. This forms the basis for the excellent quality and consistently high level of availability of the entire VITRIS range.

Please contact us and we will be happy to advise you!



Gebr. Willach GmbH  
Stein 2  
53809 Ruppichteroth  
Germany  
Tel.: +49 (0)2295 92 08 -421/-427  
Fax: +49 (0)2295 92 08 429  
vitr@willach.com  
www.willach.com

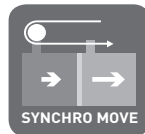


### Willach Group

#### Utilise all the benefits



**TELESCOPIC USE** The telescopic solution for a wider clearance width: ensures that the sliding sashes require very little room when they are open.



**SYNCHRO MOVE** The synchronised movement function for your comfort: moves two sashes with the same gentle action as one.



**COMFORT STOP** The cushioning system for your safety: slows both sliding sashes gently and quietly irrespective of its weight and speed of closure, and does so over a distance of several centimetres.



**PERFECT CLOSE** The retraction system to make you feel good: draws both sliding sashes with precision into the final positions and ensures discretion and wellbeing in gently closed spaces.



**EXACT TRIGGER** The mechanism for reliability: ensures, thanks to a revolutionary design principle (patents pending), that the cushioning system always functions reliably.



**EASY INSTALL** The solution for easy installation: turns the installation of glass sliding doors into child's play.

Stamp

Product descriptions, drawings and illustrations represent neither assured characteristics nor declarations of guarantee.

Subject to change, errors excepted.