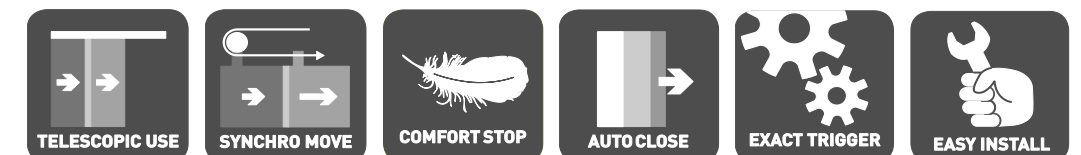


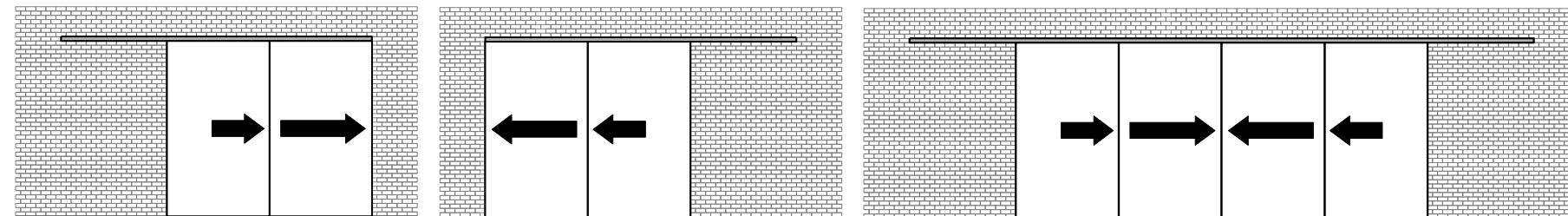


Article List Portavant 60 twinline Complete Sets

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

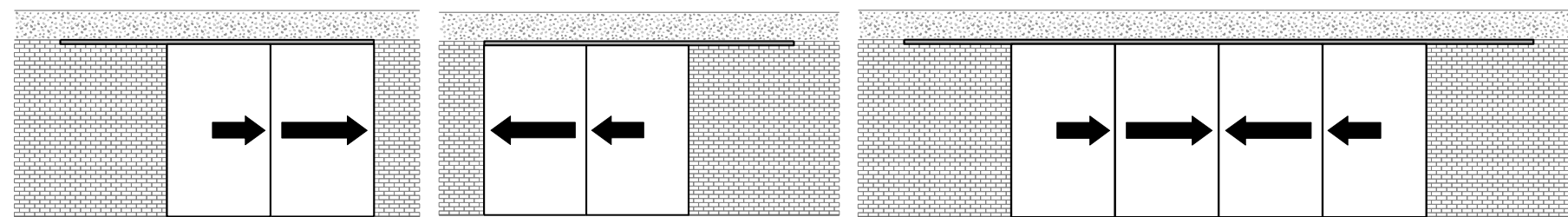


Overview of feasible installation situations Portavant 60 twinline



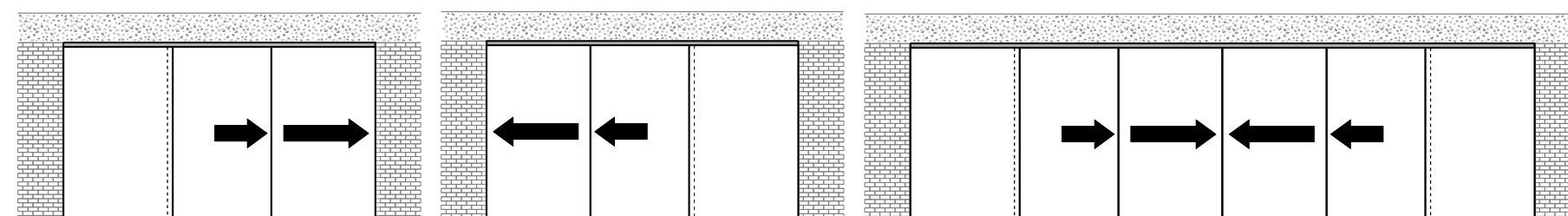
Wall mounting

Pages 1 - 3



Ceiling mounting

Pages 4 - 6

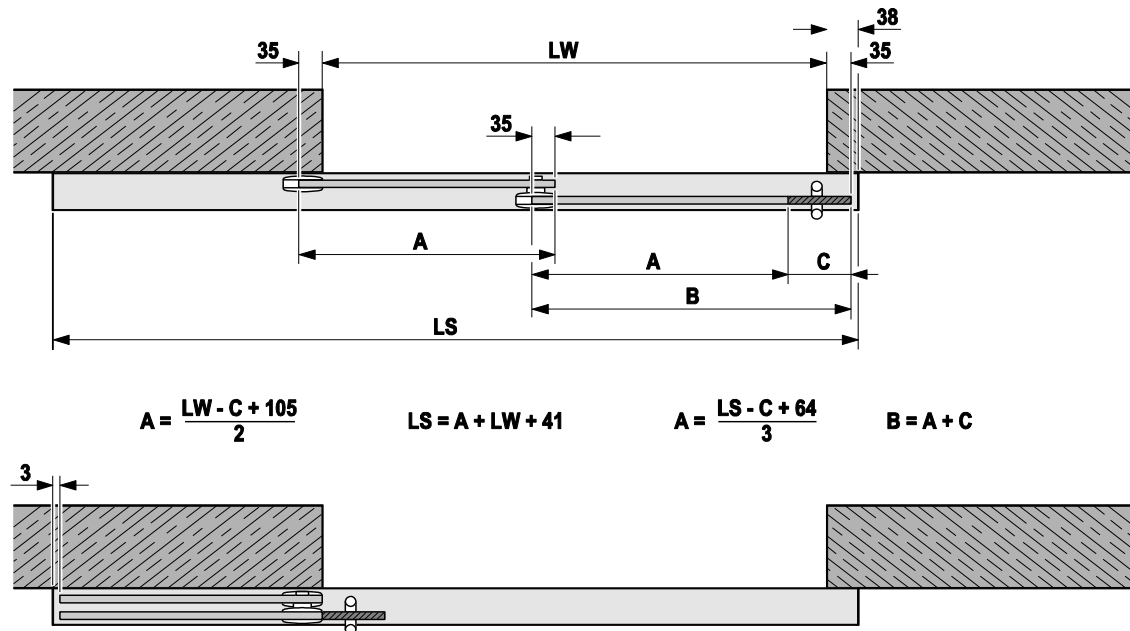


Ceiling mounting with sidelight

Pages 7 - 9

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)

2nd sliding sash

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

1st sliding sash

$B = A + C =$ _____

Note:

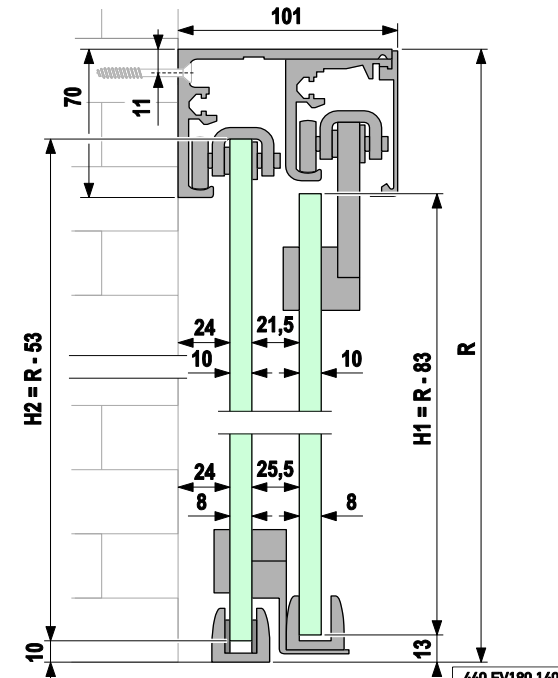
Please see the drawings on page 13 for the necessary glass drill holes.

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

$LS = A + LW + 41 =$ _____

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

Calculation of glass height



440.EV180.1407

Your project measurements (mm)

Room height (upper edge of profile) = R = _____

Calculation of glass height of the 1st sliding sash (mm)

$H1 = R - 83 =$ _____

Calculation of glass height of the 2nd sliding sash (mm)

$H2 = R - 53 =$ _____

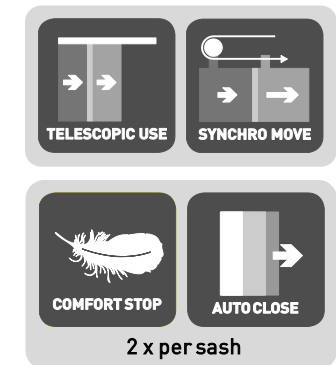
Note:

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)

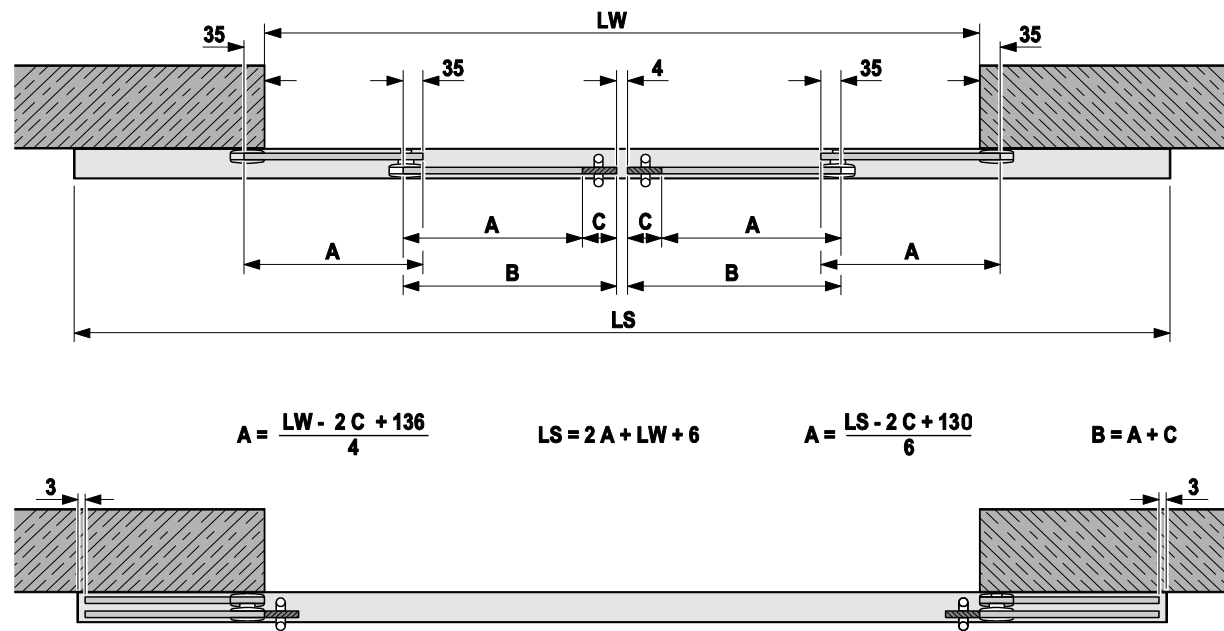
Sash weight = $B/1000 \times H1/1000 \times$
glass thickness (without film) $\times 2.5 =$ _____
(maximum 60 kg)

Note:

If you require fittings for sash weights over 60 kg, contact us about Portavant 120.

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 nd sliding sash	1 st sliding sash
A = (LW - 2C + 136)/4 = _____	B = A + C = _____

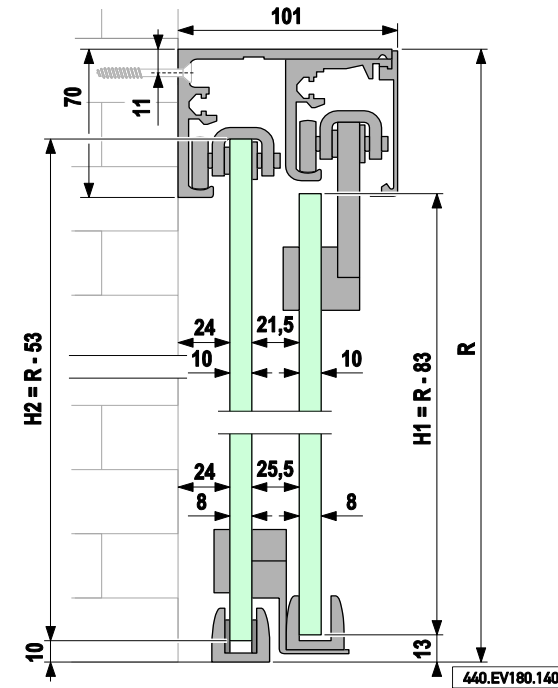
Note:
Please see the drawings on page 13 for the necessary glass drill holes.

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 1st sliding sash (mm)

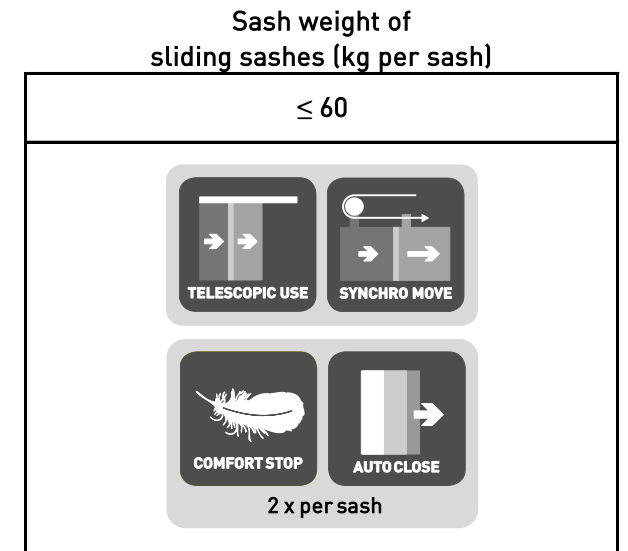
H1 = R - 83 = _____

Calculation of glass height of the 2nd 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)

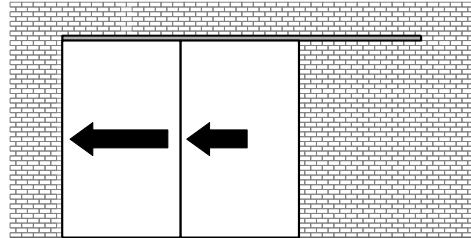
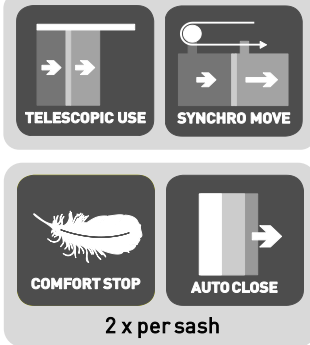
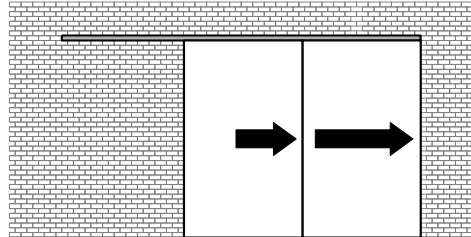
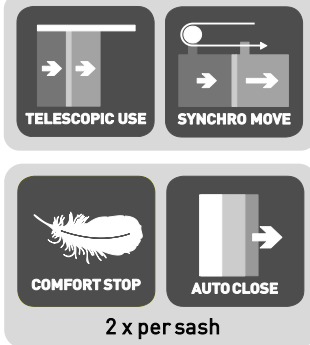
Glass thickness of sliding sashes = _____

Calculation of sash weight of sliding sash (kg)

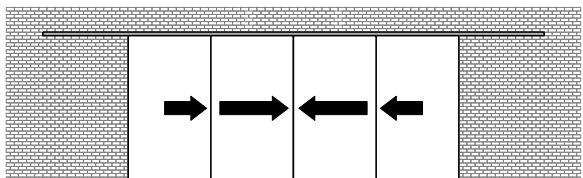
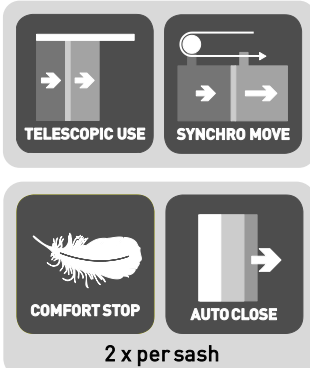
Sash weight = B/1000 x H1/1000 x glass thickness (without film) x 2.5 = _____ (maximum 60 kg)

Note:
If you require fittings for sash weights over 60 kg, contact us about Portavant 120.

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

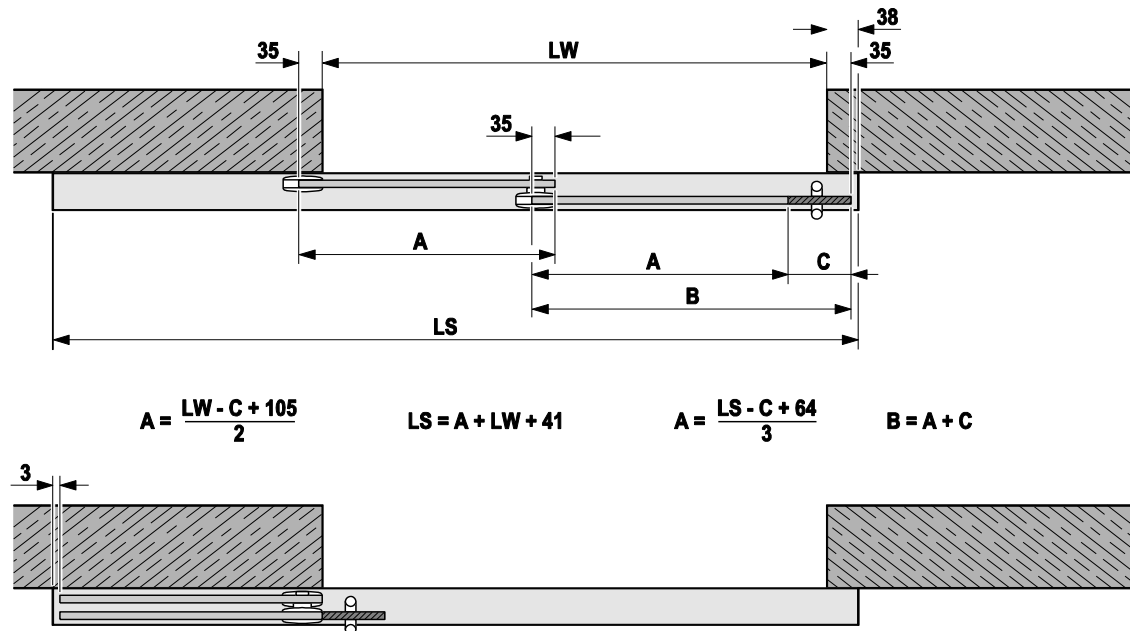
Installation situation	Description	Profile length	Product number	Execution	Unit	Price in EUR
	 <p>Complete set Portavant 60 twinline one-sided system, closing to the left 2x COMFORT STOP + AUTO CLOSE per sash includes: 1x track profile for wall mounting 1x track attachment 1x cover profile 1x accessory 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)	
		Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.				
	 <p>Complete set Portavant 60 twinline one-sided system, closing to the right 2x COMFORT STOP + AUTO CLOSE per sash 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)	
		Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.				

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

	 <p>Complete set Portavant 60 twinline two-sided system 2x COMFORT STOP + AUTO CLOSE per sash 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)	
		Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.				

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



$$A = \frac{LW - C + 105}{2} \quad LS = A + LW + 41 \quad A = \frac{LS - C + 64}{3} \quad B = A + C$$

436.EV180.1407

Your project measurements (mm)

Clear width (building) = LW = _____

Calculation of glass width of sliding sashes (mm)

2nd sliding sash

1st sliding sash

$A = (LW - C + 105)/2 =$ _____ $B = A + C =$ _____

Note:

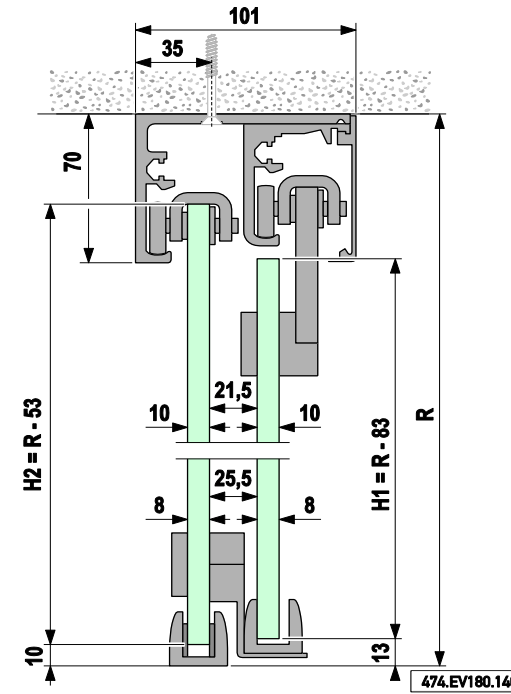
Please see the drawings on page 13 for the necessary glass drill holes.

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

$LS = A + LW + 41 =$ _____

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 1st sliding sash (mm)

$H1 = R - 83 =$ _____

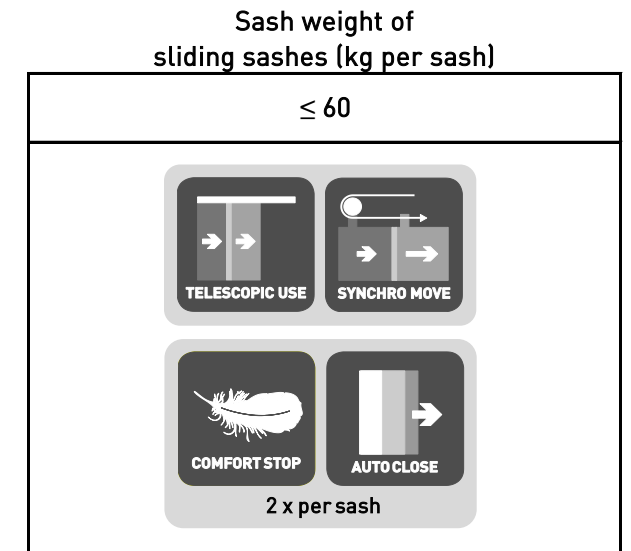
Calculation of glass height of the 2nd sliding sash (mm)

$H2 = R - 53 =$ _____

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)

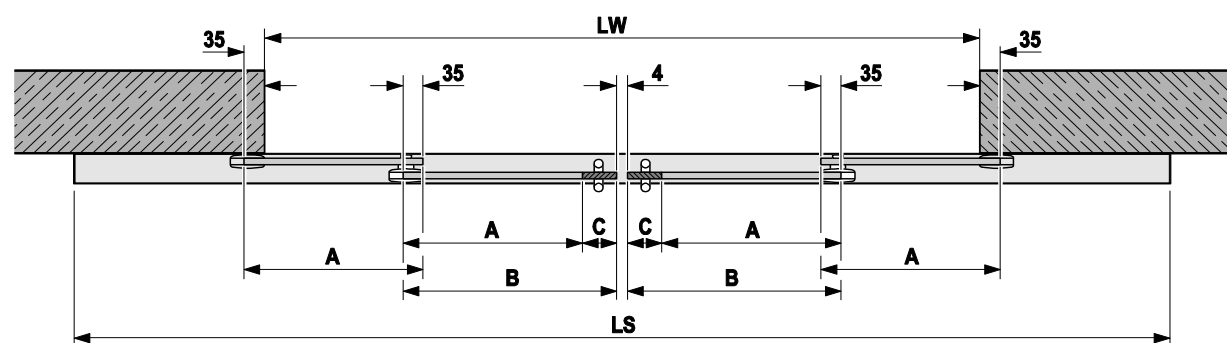
Sash weight = $B/1000 \times H1/1000 \times$
glass thickness (without film) $\times 2.5 =$ _____
(maximum 60 kg)

Note:

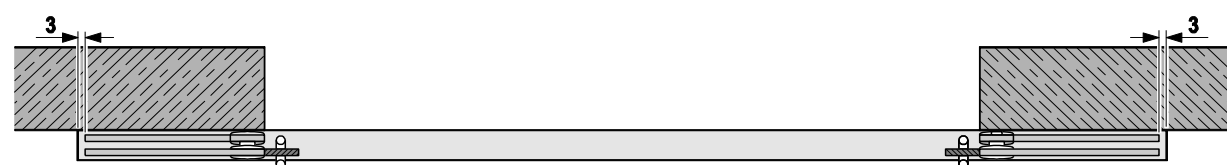
If you require fittings for sash weights over 60 kg, contact us about Portavant 120.

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

Calculation of glass width and profile length



$$A = \frac{LW - 2C + 136}{4} \quad LS = 2A + LW + 6 \quad A = \frac{LS - 2C + 130}{6} \quad B = A + C$$



438.EV180.1407

Your project measurements (mm)

Clear width (building) = LW = _____

Calculation of glass width of sliding sashes (mm)

2nd sliding sash

1st sliding sash

$A = (LW - 2C + 136)/4 =$ _____ $B = A + C =$ _____

Note:

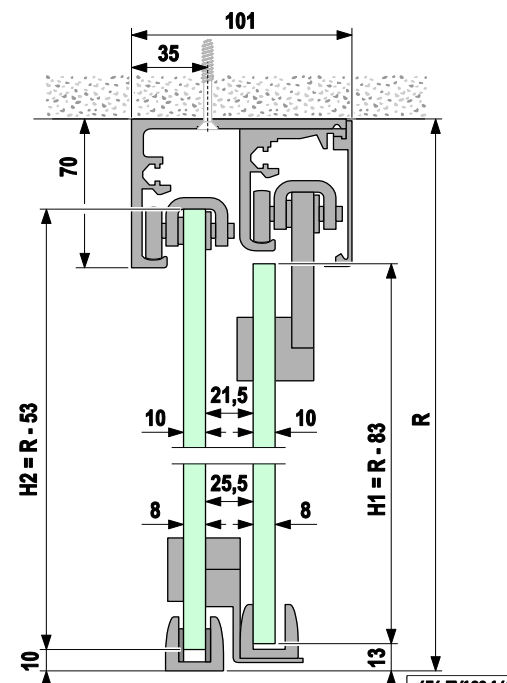
Please see the drawings on page 13 for the necessary glass drill holes.

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



474.EV180.1407

Your project measurements (mm)

Room height (upper edge of profile) = R = _____

Calculation of glass height of the 1st sliding sash (mm)

$H1 = R - 83 =$ _____

Calculation of glass height of the 2nd sliding sash (mm)

$H2 = R - 53 =$ _____

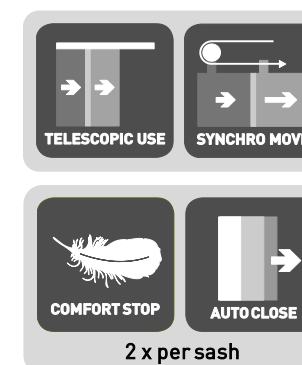
Note:

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 = _____

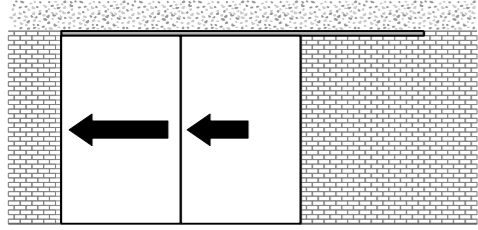
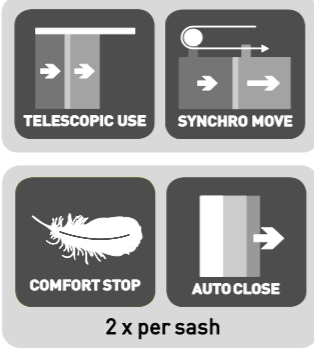
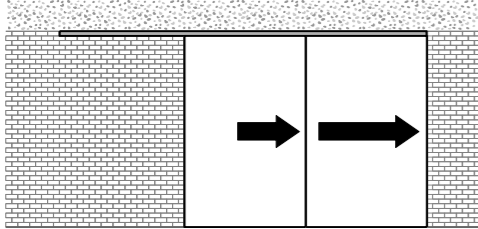
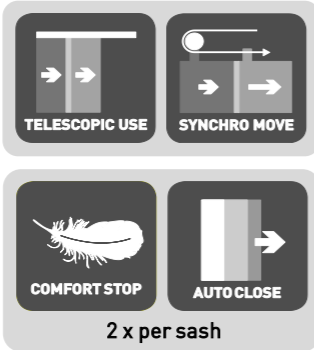
Calculation of sash weight of sliding sash (kg)

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

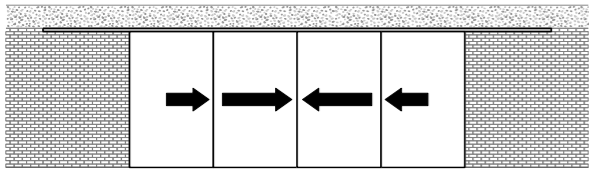
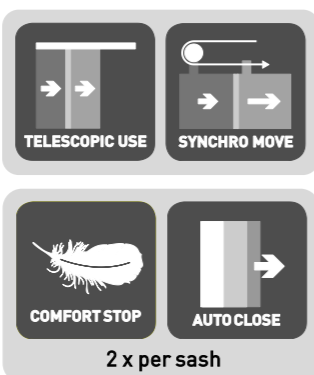
Note:

If you require fittings for sash weights over 60 kg, contact us about Portavant 120.

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

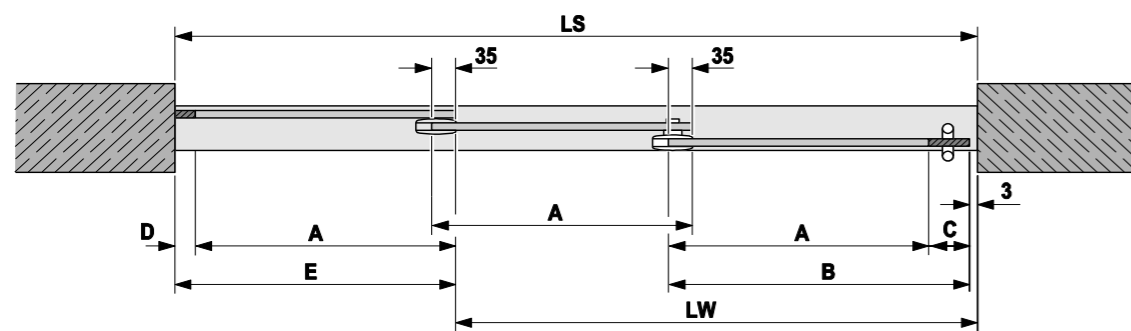
Installation situation	Description	Profile length	Product number	Execution	Unit	Price in EUR
	 <p>2 x per sash</p>	<p>Complete set Portavant 60 twinline one-sided system, closing to the left 2x COMFORT STOP + AUTO CLOSE per sash includes: 1x track profile for ceiling mounting 1x track attachment 1x cover 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)
			Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.			
	 <p>2 x per sash</p>	<p>Complete set Portavant 60 twinline one-sided system, closing to the right 2x COMFORT STOP + AUTO CLOSE per sash 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)
			Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.			

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

	 <p>2 x per sash</p>	<p>Complete set Portavant 60 twinline two-sided system 2x COMFORT STOP + AUTO CLOSE per sash 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)
			Note: suitable for sash weight up to 60 kg. The maximum height-width ratio of the sliding sashes is 3:1.			

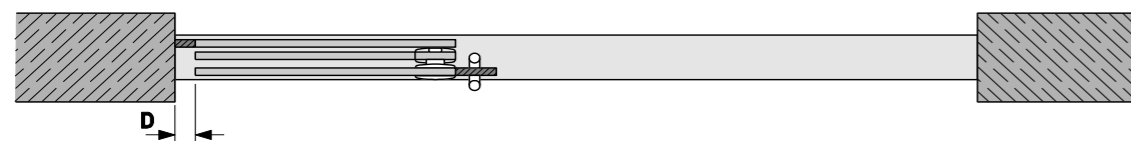
Portavant 60 twinline – Determination of measurements: ceiling mounting with sidelight, one-sided systems, closing to the left or right

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)

2nd sliding sash

$A = (LS - C - D + 67) / 3 =$ _____

1st sliding sash

$B = A + C =$ _____

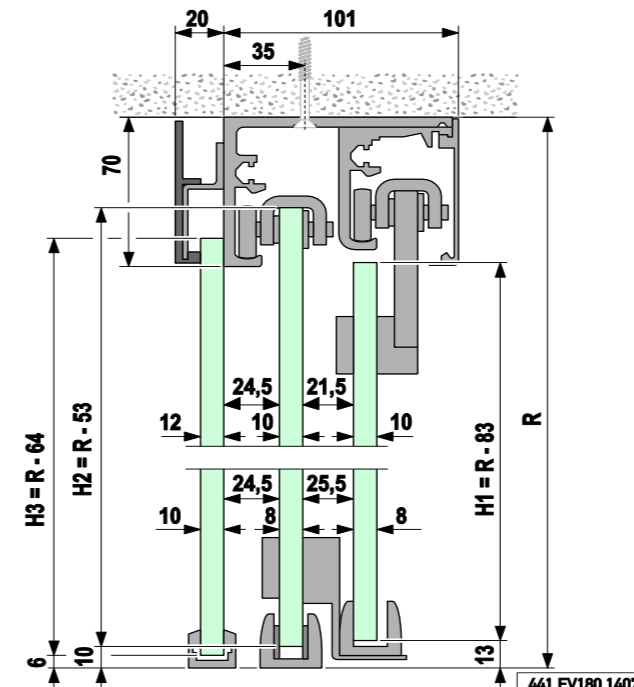
Calculation of glass width of sidelight (mm)

$E = A + D =$ _____

Note:

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

Calculation of glass height



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)

$H3 = R - 64 =$ _____

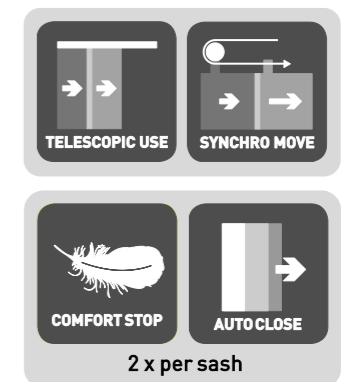
Note:

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

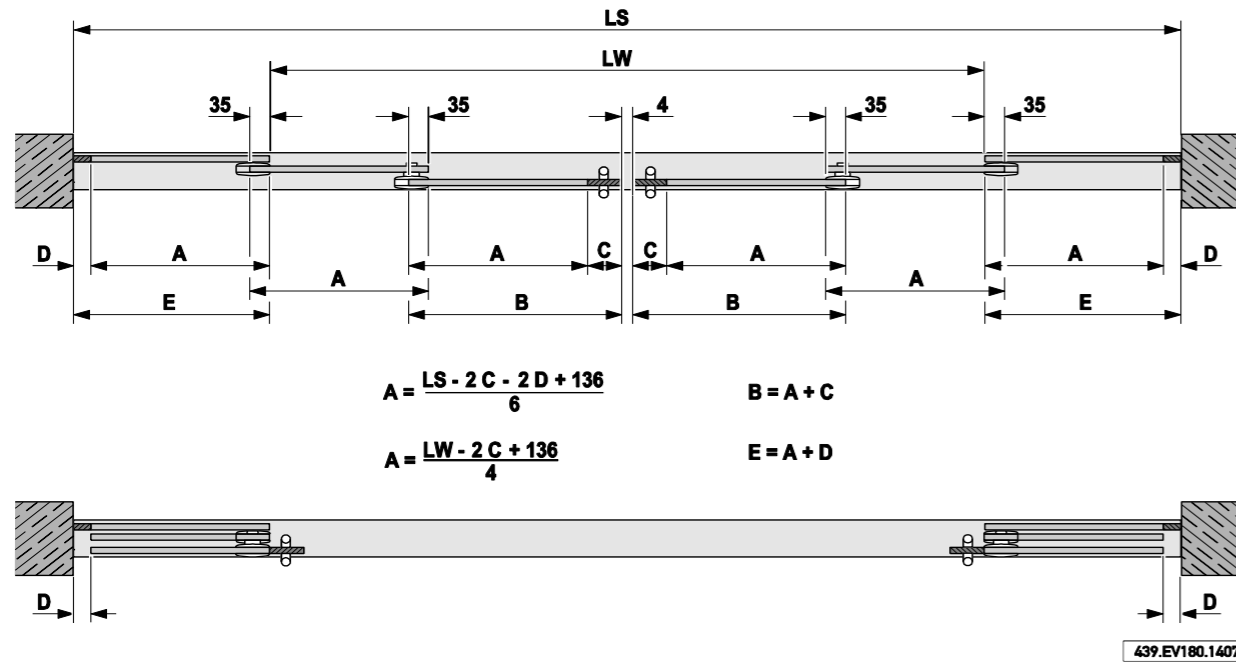
Note:

If you require fittings for sash weights over 60 kg, contact us about Portavant 120.

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)

2nd sliding sash

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

1st sliding sash

$B = A + C =$ _____

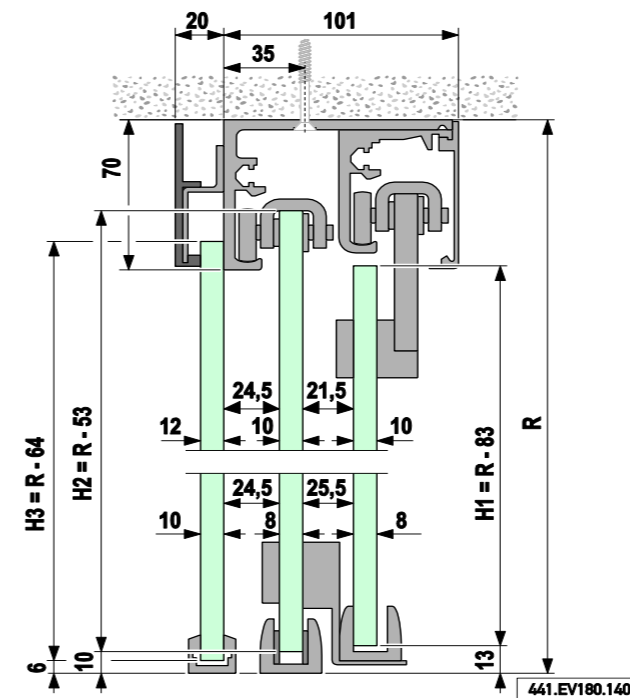
Calculation of glass width of sidelight (mm)

$E = A + D =$ _____

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

TELESCOPIC USE

SYNCHRO MOVE

COMFORT STOP

AUTO 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 120.

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

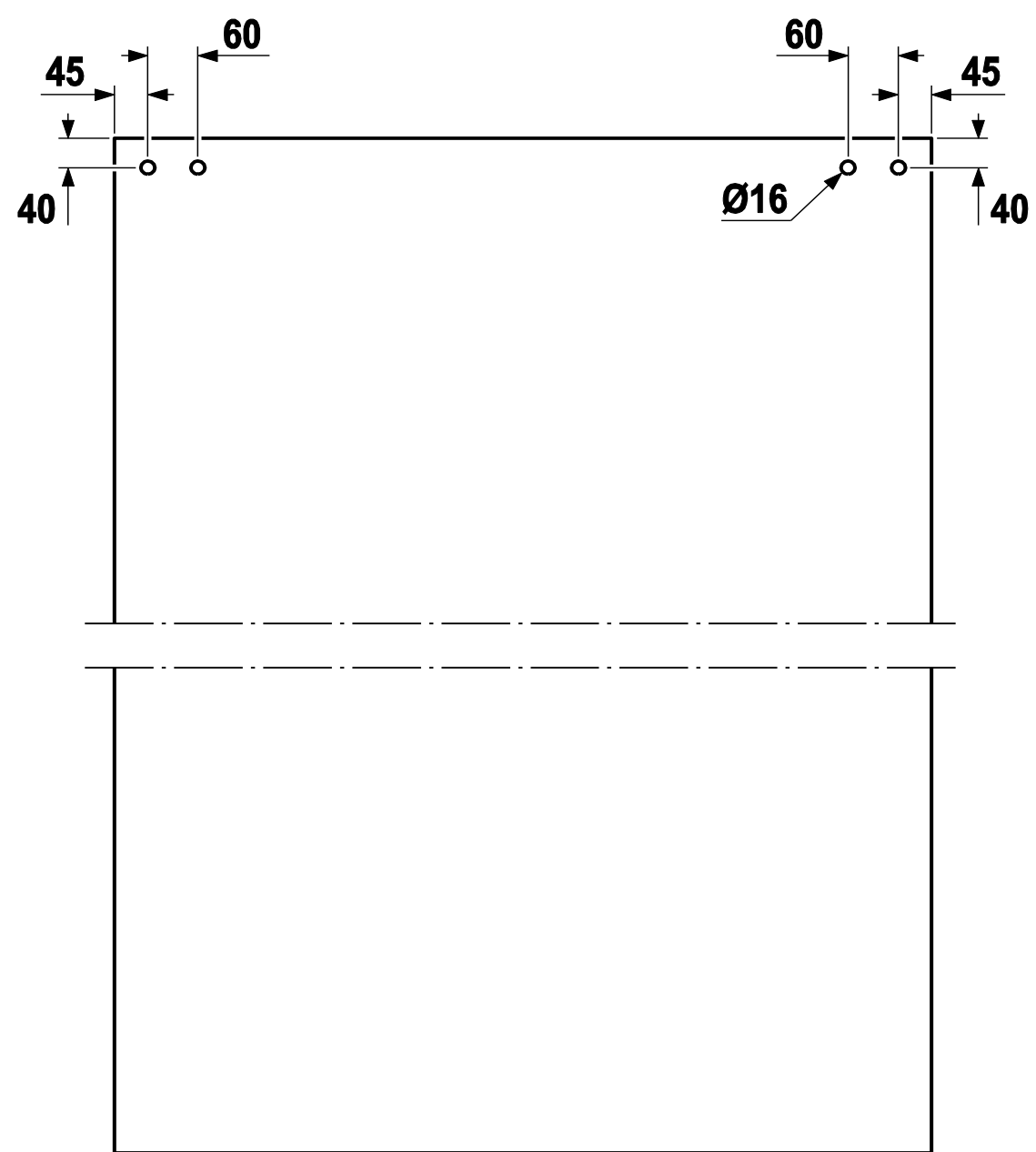
Portavant 60 twinline – Supplementary set for sidelight

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>Portavant 60 twinline supplementary set for sidelight to combine with complete set for ceiling mounting includes: 1x sidelight holding profile 1x cover profile for sidelight holding profile self-adhesive PET insert for sidelight holding profile screws end plates</p>	2596 mm	616 550.2596.110	EV 1	1 unit
			5196 mm	616 550.5196.110	EV 1	1 unit
			cut to size (mm)	616 550.length.110	EV 1	per m (cut to size)



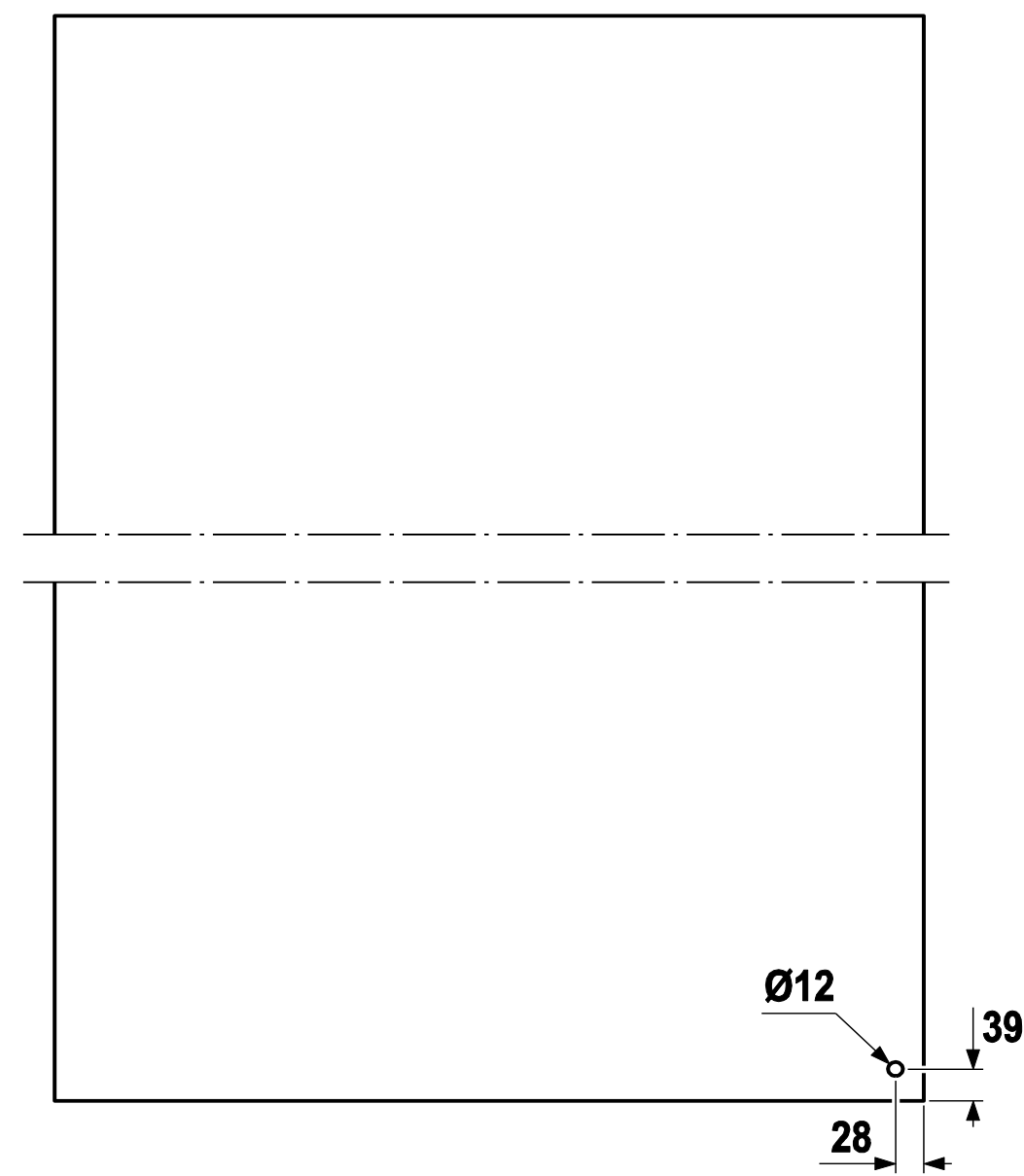
Door weight	Up to 60 kg per sliding sash
Height-width ratio	The maximum height-width ratio of the sliding sashes is 3:1.
Glass thickness for sliding sashes tempered glass laminated safety glass (made of tempered glass)	8 / 10 mm 8.76 / 10.76 mm
Glass thickness for sidelights tempered glass laminated 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
1st sliding sash (with handle)



490.EV180.1410

Drill holes
2nd 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 establishment in 1889, the manufacture of products to the highest quality and precision standards has been the supreme dictum of the company. Numerous technical innovations and intelligent solutions that paid close attention to the finest detail meant that Willach cemented its pioneering reputation at an early stage. With the Portavant product line, Willach today offers a range of high quality fittings for glass sliding doors. The VITRIS product range also includes 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. Our approach guarantees excellent quality and consistently high level of availability of the complete VITRIS range.

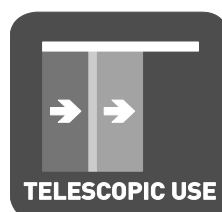
Contact us and let us advise you!

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

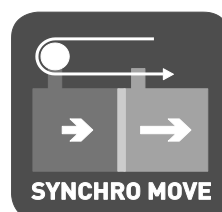


WillachGroup

Utilise all the benefits



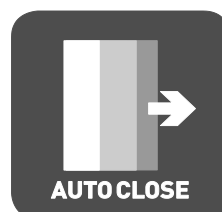
TELESCOPIC USE The telescopic solution for a wider clearance width: ensures that the sliding sashes require very little room when they are open.



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.



AUTO CLOSE The self-closing 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.



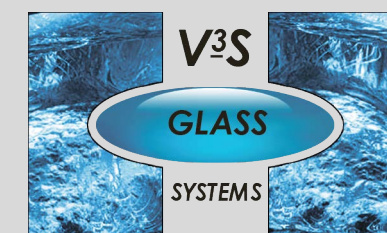
EXACT TRIGGER The mechanism for reliability: ensures, thanks to a revolutionary design principle (patents pending), that the cushioning system always functions reliably.



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

Stamp

V3S Glass Systems BVBA
Bossestraat 4
9420 Erpe
Tel.: 053 80 87 77
Fax: 053 80 82 64
E-mail: info@v3s-glass-systems.be



www.v3s-glass-systems.be

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

All prices are in euros, ex works, according to Incoterms 2010, incl. packaging, excluding VAT or any other duties, levies and fees that might arise in your country. Subject to change.

Edition 10/2014