



Article list

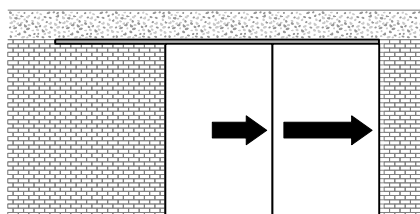
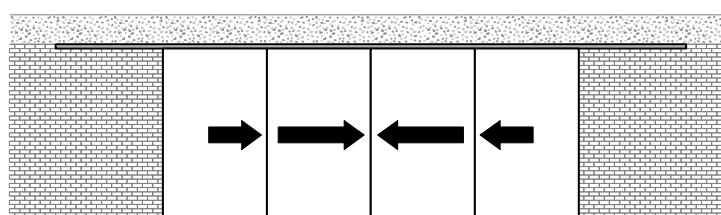
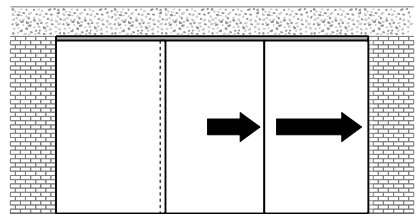
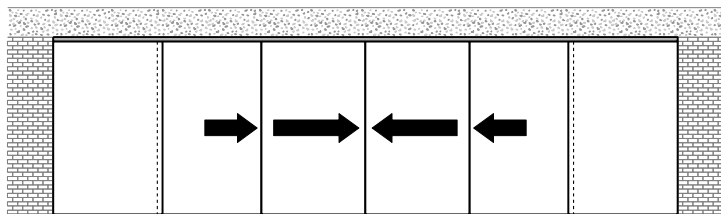
Portavant 150 multiline

The sliding door solution for all ceiling-mounted multi-track installations from 50kg up to 150kg!



Configuration examples for Portavant 150 multiline: multi-track installations with n sliding sashes, with or without sidelight(s)

Note:
n = number of sliding sashes (n ≥ 2)
Dimensions of the overall system: max. 6000mm with one-sided systems and max. 12000mm with two-sided systems; max. 5 track profiles/sidelight support profiles next to each other

	Installation situation (example)	Description	Necessary components				Optional components	
			Profile set ceiling mounting with	Accessory kit for first sliding sash with catch	Accessory kit for further sliding sash with catch	Accessory kit for sidelight	Ceiling joining profile	End plate
Multi-track systems without sidelight	 <p>closing to the left or right Illustrated example: n = 2</p>	One-sided system with n sliding sashes, (with Soft Catch function), without sidelight	n channels	1	n - 1		if necessary 1*	if necessary 2n**
	 <p>Illustrated example: n = 4</p>	Two-sided system with n sliding sashes (with Soft Catch function), without sidelight	n/2 channels	2	n - 2		if necessary 1*	if necessary n**
Multi-track systems with sidelight	 <p>closing to the left or right Illustrated example: n = 2</p>	One-sided system with n sliding sashes (with Soft Catch function), with 1 sidelight	(n + 1) channels	1	n - 1	at least 1***	if necessary 1*	if necessary 2(n+1)**
	 <p>Illustrated example: n = 4</p>	Two-sided system with n sliding sashes (with Soft Catch function), with 2 sidelights	(n/2 + 1) channels	2	n - 2	at least 2***	if necessary 1*	if necessary (n + 2)**

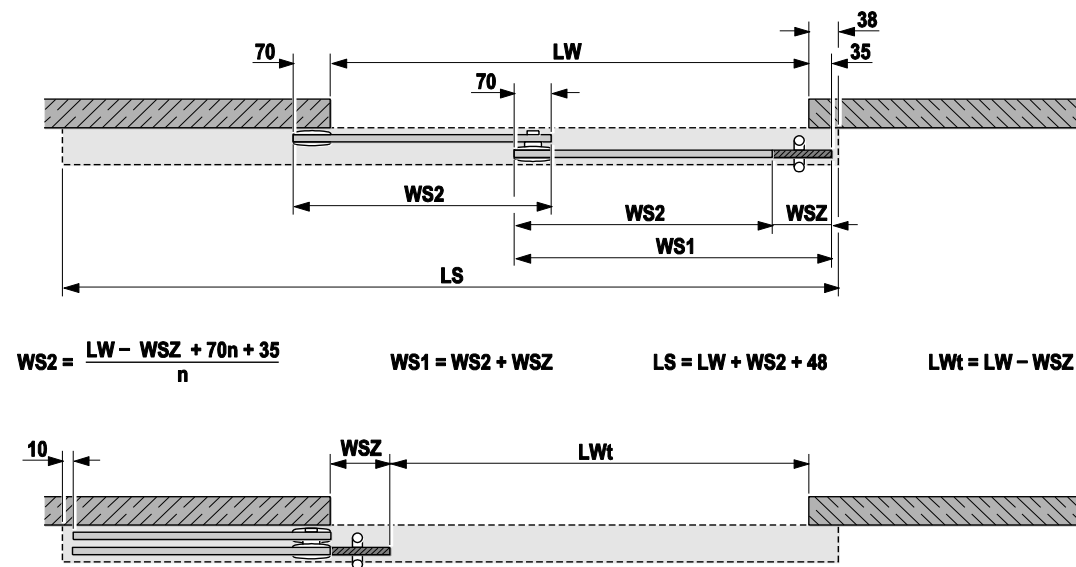
* To hold up to five track profiles or sidelight support profiles. The use of a ceiling joining profile substantially reduces the number of necessary drill holes and the resulting weakening of the ceiling structure.

M6 x 20 mm Allen bolts can be used to attach the track profiles/sidelight support profiles to the ceiling joining profile.

** End plates are only necessary if the end faces of the profiles are visible.

*** The accessory kit for sidelight contains two sidelight brackets. At least one kit per sidelight required. In the case of wide sidelights, please install brackets at intervals of 1500mm.

Calculation of glass width and profile length



581.EV187M.1606

Your project measurements (mm)

Clear width (building) = LW = _____

Calculation of glass width of the sliding sashes (mm)

Second sliding sash and further sliding sashes

$WS2 = (LW - WSZ + 70n + 35) / n =$ _____

First sliding sash

$WS1 = WS2 + WSZ =$ _____

Note:

n = number of sliding sashes

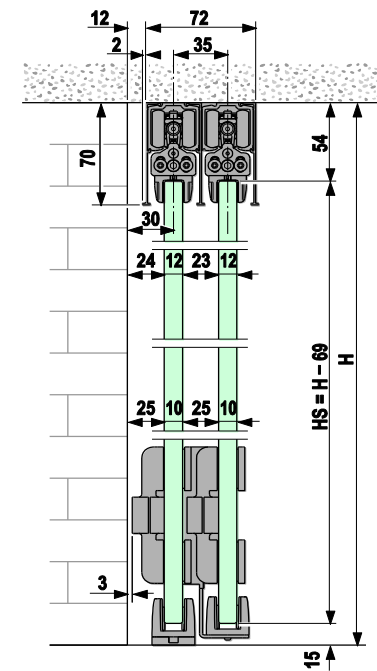
Please see the drawings on page 10 for the necessary glass drill holes.

Calculation of profile length (track profiles and cover profiles, mm)

$LS = LW + WS2 + 48 =$ _____

Length of track profiles and cover profiles
for your Portavant 150 multiline system

Calculation of glass height



579.EV187M.1606

Your project measurements (mm)

System height = H = _____

Calculation of glass height of the sliding sashes (mm)

$HS = H - 69 =$ _____

Note:

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

Calculation of sash weight

Sash weight of sliding sashes (kg)

between 50kg and 150kg

2 x per sash

Your project measurements (mm)

Glass thickness of sliding sashes = _____

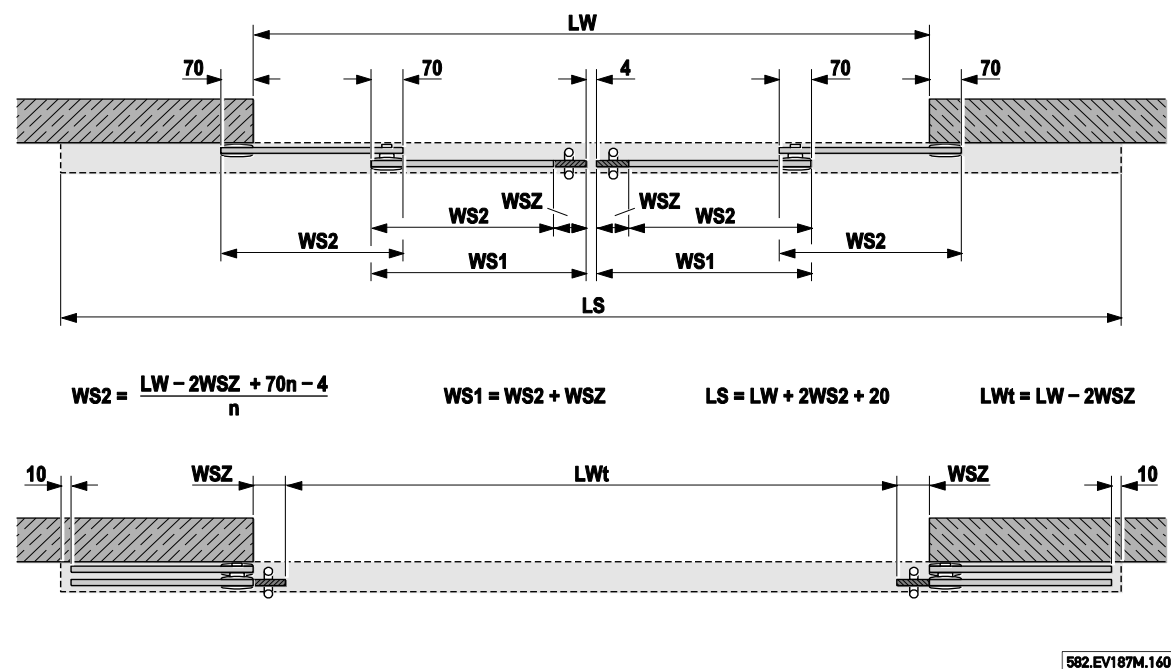
Calculation of sash weight of the first sliding sash (kg)

Sash weight = $WS1/1000 \times HS/1000 \times$
glass thickness (without film) $\times 2.5 =$

Note:

Portavant 150 multiline is suitable for sash weights between 50kg and 150kg.

Calculation of glass width and profile length



Your project measurements (mm)

Clear width (building) = LW = _____

Calculation of glass width of the sliding sashes (mm)

Second sliding sash and further sliding sashes

$WS2 = (LW - 2WSZ + 70n - 4) / n =$ _____

First sliding sash

$WS1 = WS2 + WSZ =$ _____

Note:

n = number of sliding sashes

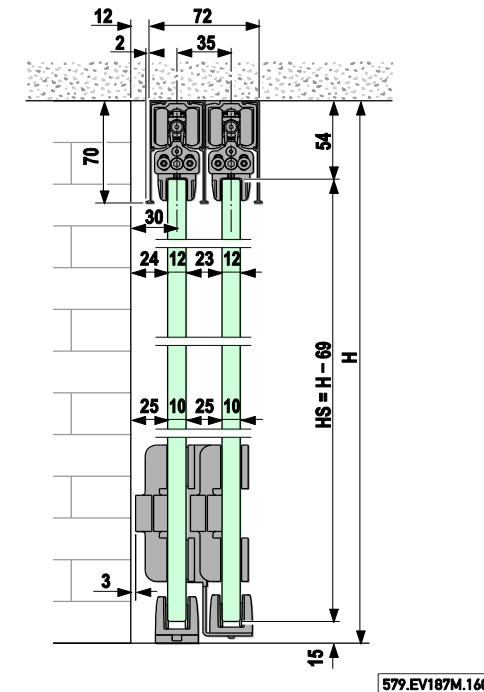
Please see the drawings on page 10 for the necessary glass drill holes.

Calculation of profile length (track profiles and cover profiles, mm)

$LS = LW + 2WS2 + 20 =$ _____

Length of track profiles and cover profiles
for your Portavant 150 multiline system

Calculation of glass height



Your project measurements (mm)

System height = H = _____

Calculation of glass height of the sliding sashes (mm)

$HS = H - 69 =$ _____

Note:

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

Calculation of sash weight

Sash weight of sliding sashes (kg)
between 50kg and 150kg

2 x per sash

Your project measurements (mm)

Glass thickness of sliding sashes = _____

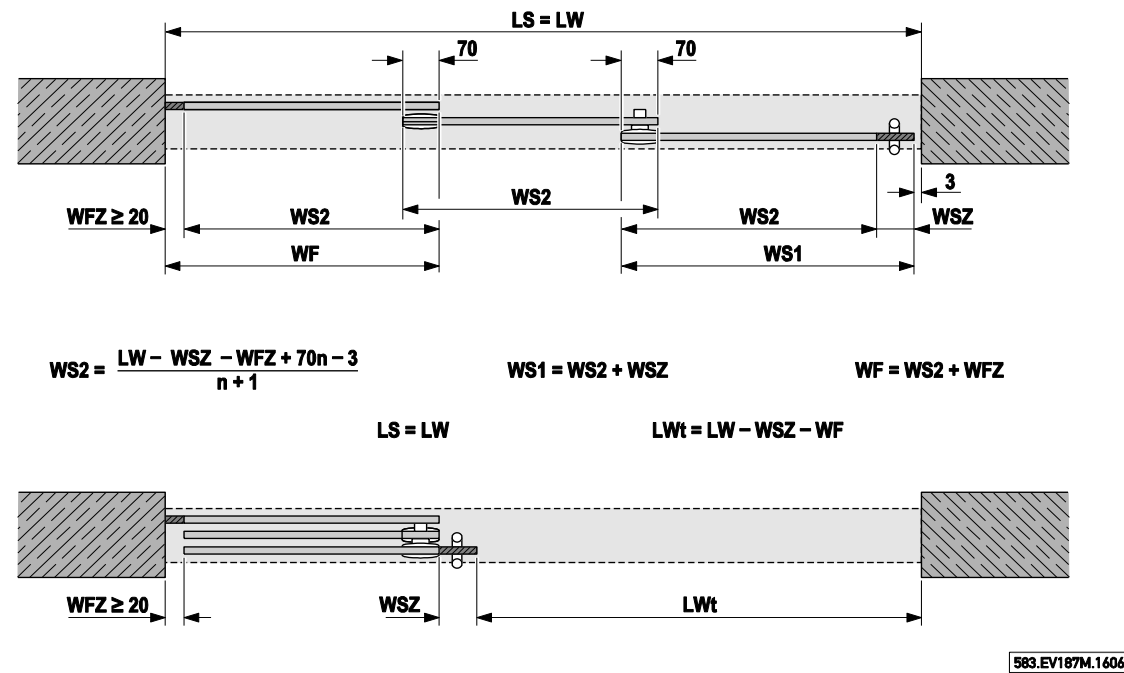
Calculation of sash weight of the first sliding sash (kg)

Sash weight = $WS1/1000 \times HS/1000 \times$
glass thickness (without film) $\times 2.5 =$

Note:

Portavant 150 multiline is suitable for sash weights between 50kg and 150kg.

Calculation of glass width and profile length



Enter profile length (track profiles, sidelight support profile and cover profiles; mm) here:

LS = LW = _____

Calculation of glass width of the sliding sashes (mm)

Second sliding sash and further sliding sashes

$WS2 = (LW - WSZ - WFZ + 70n - 3) / (n + 1) =$ _____

First sliding sash

$WS1 = WS2 + WSZ =$ _____

Note:

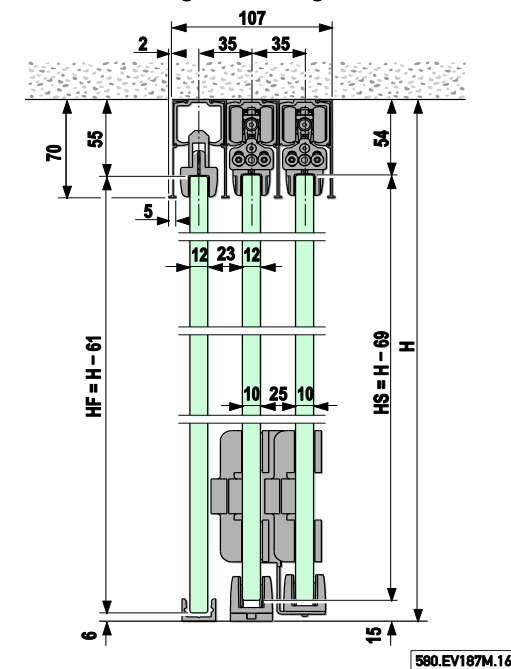
n = number of sliding sashes

Please see the drawings on page 10 for the necessary glass drill holes.

Calculation of glass width of sidelight (mm)

$WF = WS2 + WFZ =$ _____ with $WFZ \geq 20$

Calculation of glass height



Your project measurements (mm)

System height = H = _____

Calculation of glass height of the sliding sashes (mm)

$HS = H - 69 =$ _____

Calculation of glass height of sidelight (mm)

$HF = H - 61 =$ _____

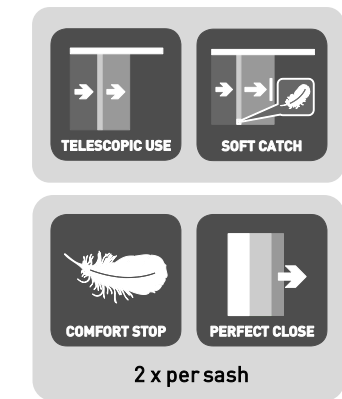
Note:

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

Calculation of sash weight

Sash weight of sliding sashes (kg)

between 50kg and 150kg



Your project measurements (mm)

Glass thickness of sliding sashes = _____

Calculation of sash weight of the first sliding sash (kg)

Sash weight = $WS1/1000 \times HS/1000 \times$ glass thickness (without film) $\times 2.5 =$ _____

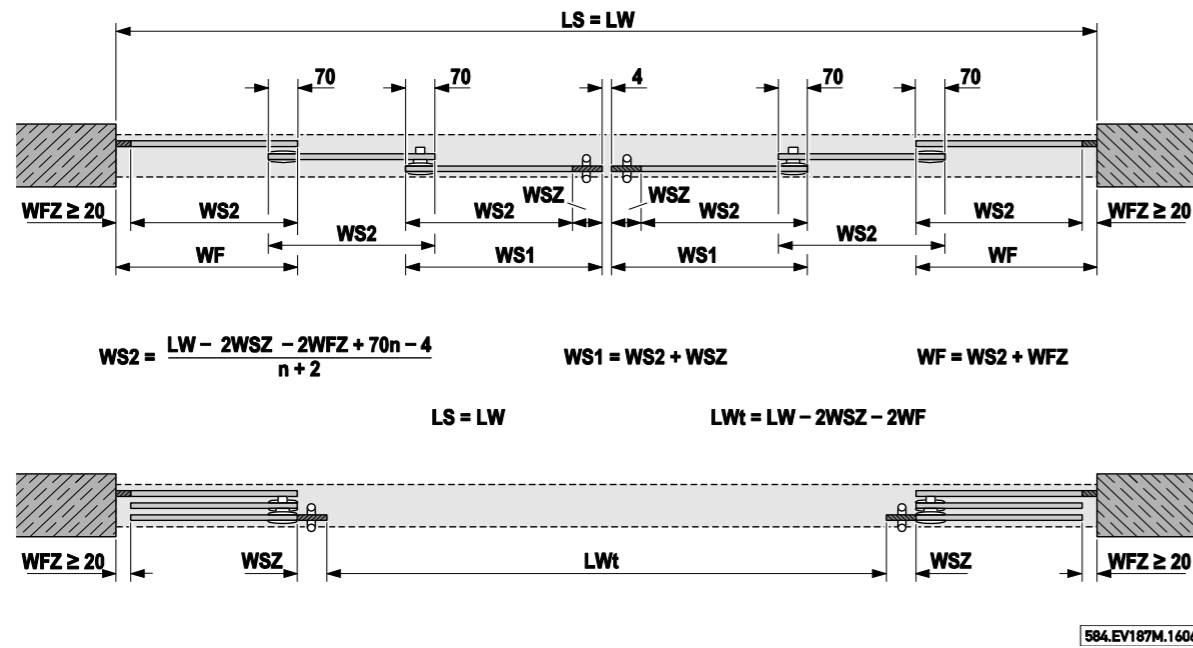
Note:

Portavant 150 multiline is suitable for sash weights between 50kg and 150kg.

Length of track profiles, sidelight support profile and cover profiles for your Portavant 150 multiline system

Portavant 150 multiline – Determination of measurements: ceiling mounting with sidelight, two-sided systems

Calculation of glass width and profile length



Enter profile length (track profiles, sidelight support profile and cover profiles; mm) here:

LS = LW = _____

Calculation of glass width of the sliding sashes (mm)

Second sliding sash and further sliding sashes

$WS2 = (LW - 2WSZ - 2WFZ + 70n - 4) / (n + 2) =$ _____

First sliding sash

$WS1 = WS2 + WSZ =$ _____

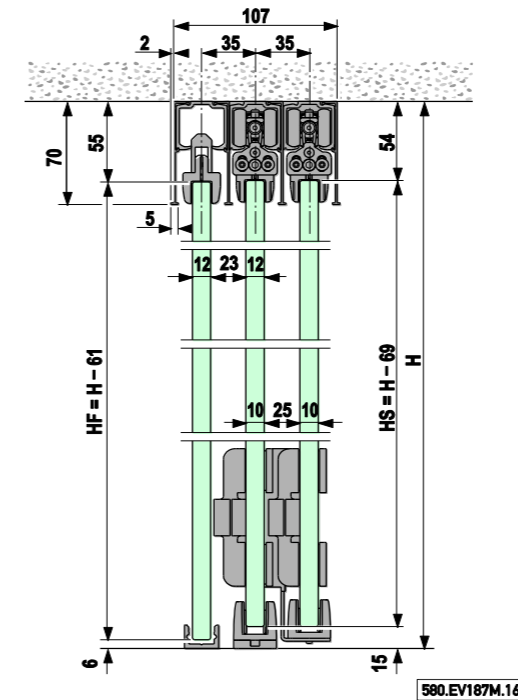
Note:

n = number of sliding sashes
Please see the drawings on page 10 for the necessary glass drill holes.

Calculation of glass width of sidelight (mm)

$WF = WS2 + WFZ =$ _____ with $WFZ \geq 20$

Calculation of glass height



Your project measurements (mm)

System height = H = _____

Calculation of glass height of the sliding sashes (mm)

$HS = H - 69 =$ _____

Calculation of glass height of sidelight (mm)

$HF = H - 61 =$ _____

Note:

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

Calculation of sash weight

Sash weight of sliding sashes (kg)
between 50kg and 150kg

2 x per sash

Your project measurements (mm)

Glass thickness of sliding sashes = _____

Calculation of sash weight of the first sliding sash (kg)

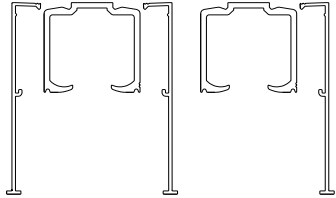
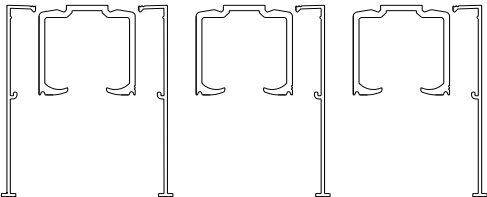
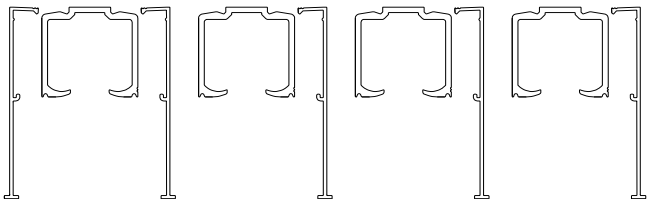
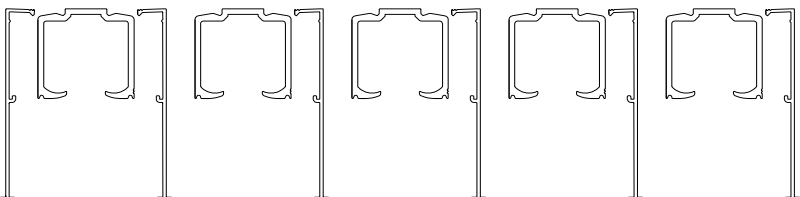
Sash weight = $WS1/1000 \times HS/1000 \times$
glass thickness (without film) $\times 2.5 =$

Note:

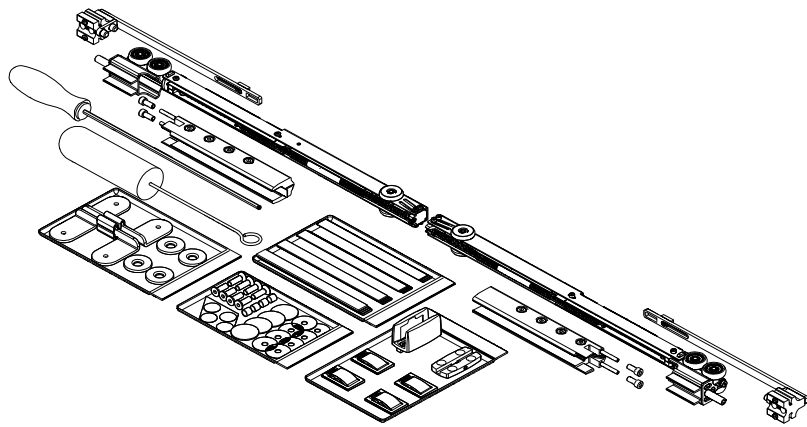
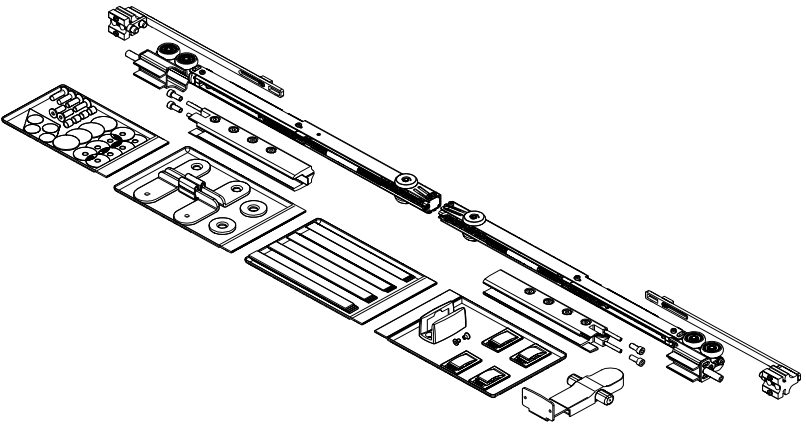
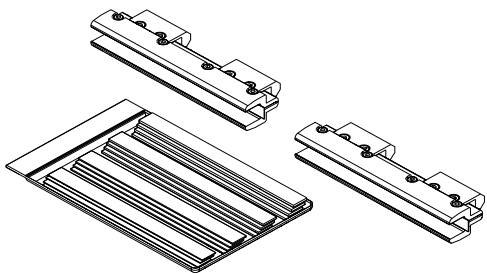
Portavant 150 multiline is suitable for sash weights between 50kg and 150kg.

Length of track profiles, sidelight support profile and cover profiles
for your Portavant 150 multiline system

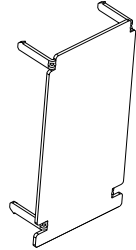
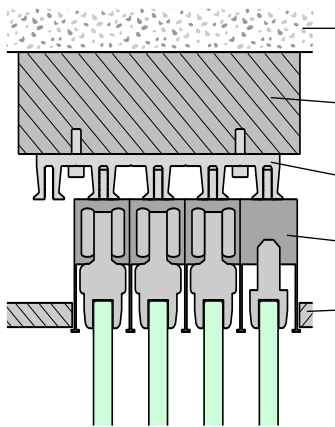
Portavant 150 multiline – Profile sets

Illustration	Description	Profile length	Article number	Finish	Unit	Price in EUR
	Profile set, ceiling mounting, 2 channels 2 track profiles/sidelight support profiles 3 cover profiles	1996 mm	618 122.1996.110	EV 1	1 piece	
		2996 mm	618 122.2996.110	EV 1	1 piece	
		3996 mm	618 122.3996.110	EV 1	1 piece	
		5996 mm	618 122.5996.110	EV 1	1 piece	
		cut to size (mm)	618 122.length.110	EV 1	per m (cut to size)	
		Note: please consider the information concerning the necessary number of channels on page 2.				
	Profile set, ceiling mounting, 3 channels 3 track profiles/sidelight support profiles 4 cover profiles	2996 mm	618 123.2996.110	EV 1	1 piece	
		3996 mm	618 123.3996.110	EV 1	1 piece	
		5996 mm	618 123.5996.110	EV 1	1 piece	
		cut to size (mm)	618 123.length.110	EV 1	per m (cut to size)	
		Note: please consider the information concerning the necessary number of channels on page 2.				
	Profile set, ceiling mounting, 4 channels 4 track profiles/sidelight support profiles 5 cover profiles	3996 mm	618 124.3996.110	EV 1	1 piece	
		5996 mm	618 124.5996.110	EV 1	1 piece	
		cut to size (mm)	618 124.length.110	EV 1	per m (cut to size)	
		Note: please consider the information concerning the necessary number of channels on page 2.				
	Profile set, ceiling mounting, 5 channels 5 track profiles/sidelight support profiles 6 cover profiles	5996 mm	618 125.5996.110	EV 1	1 piece	
		cut to size (mm)	618 125.length.110	EV 1	per m (cut to size)	
		Note: please consider the information concerning the necessary number of channels on page 2.				

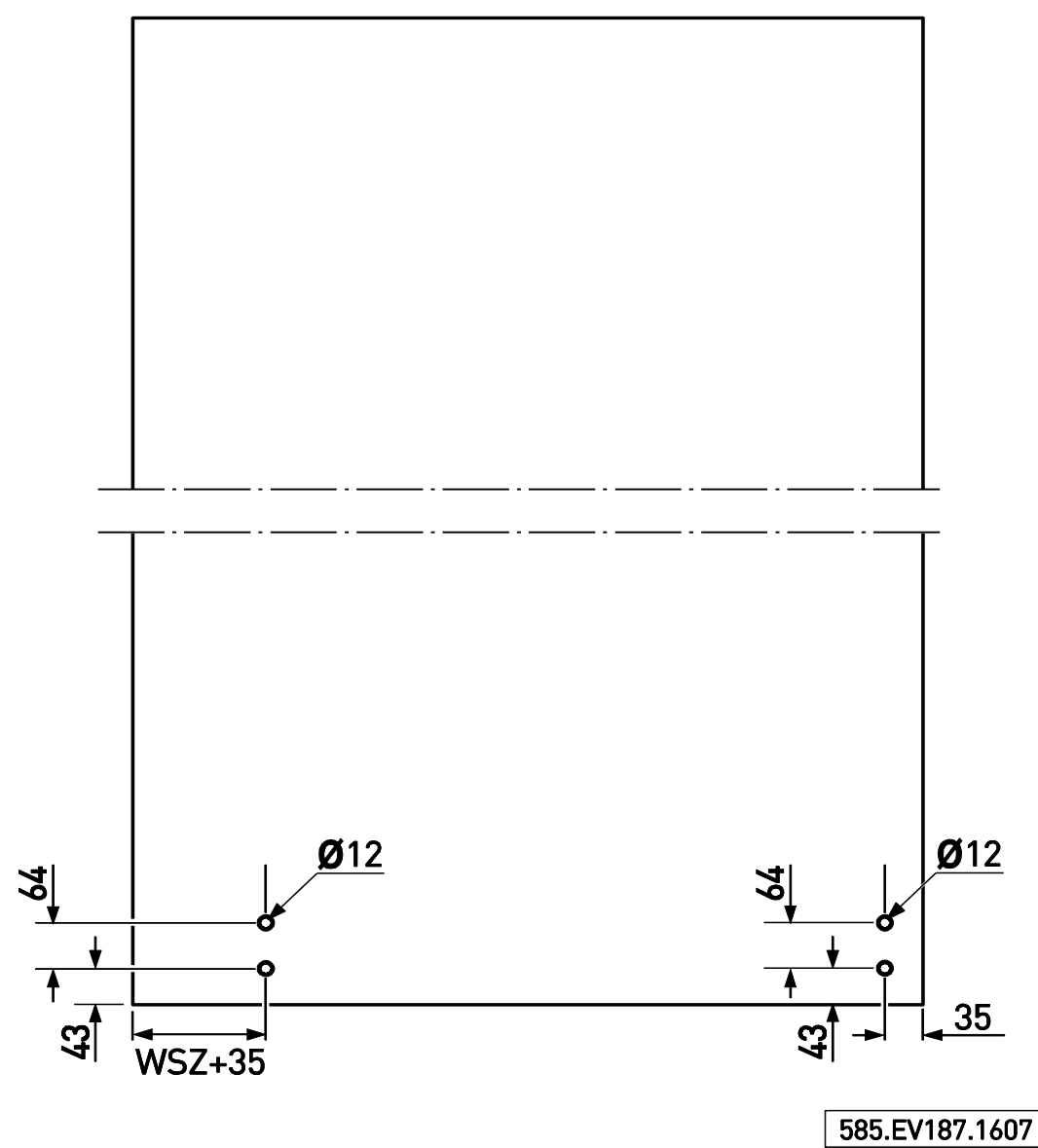
Portavant 150 multiline – Accessory kits

Illustration	Description	Profile length	Article number	Finish	Unit	Price in EUR
	<p>Accessory kit for first sliding sash with catch 2 clamp-carriers with height adjustment 2 cushioning and retraction systems COMFORT STOP and PERFECT CLOSE 2 end stops 1 mounting plate for floor guide 1 floor guide 2 catch brackets 1 kit of installation aids</p>		618 234.0000.110		1 piece	
<p>Note: suitable for sash weights between 50kg and 150kg, minimum sash width: 960mm. This accessory kit is needed for all multi-track installations with Telescopic Use, one kit has to be ordered for one-sided systems and two kits for two-sided systems.</p>						
	<p>Accessory kit for further sliding sash with catch 2 clamp-carriers with height adjustment 2 cushioning and retraction systems COMFORT STOP and PERFECT CLOSE 2 end stops 1 bracket for SOFT CATCH suspended floor guide 1 floor guide 1 catch bracket 1 SOFT CATCH</p>		618 236.0000.110		1 piece	
<p>Note: suitable for sash weights between 50kg and 150kg, minimum sash width: 960mm. This accessory kit is needed for all multi-track installations with Telescopic Use. If your installation has n sliding sashes, the order quantity of this set is n - 1 for one-sided systems and n - 2 for two-sided systems (cf. information on page 2).</p>						
	<p>Accessory kit for sidelight 2 brackets to hold a sidelight in a sidelight support profile</p>		618 248.0000.110		1 piece	
<p>Note: at least one kit per sidelight required. In the case of wide sidelights, please install brackets at intervals of 1500mm.</p>						

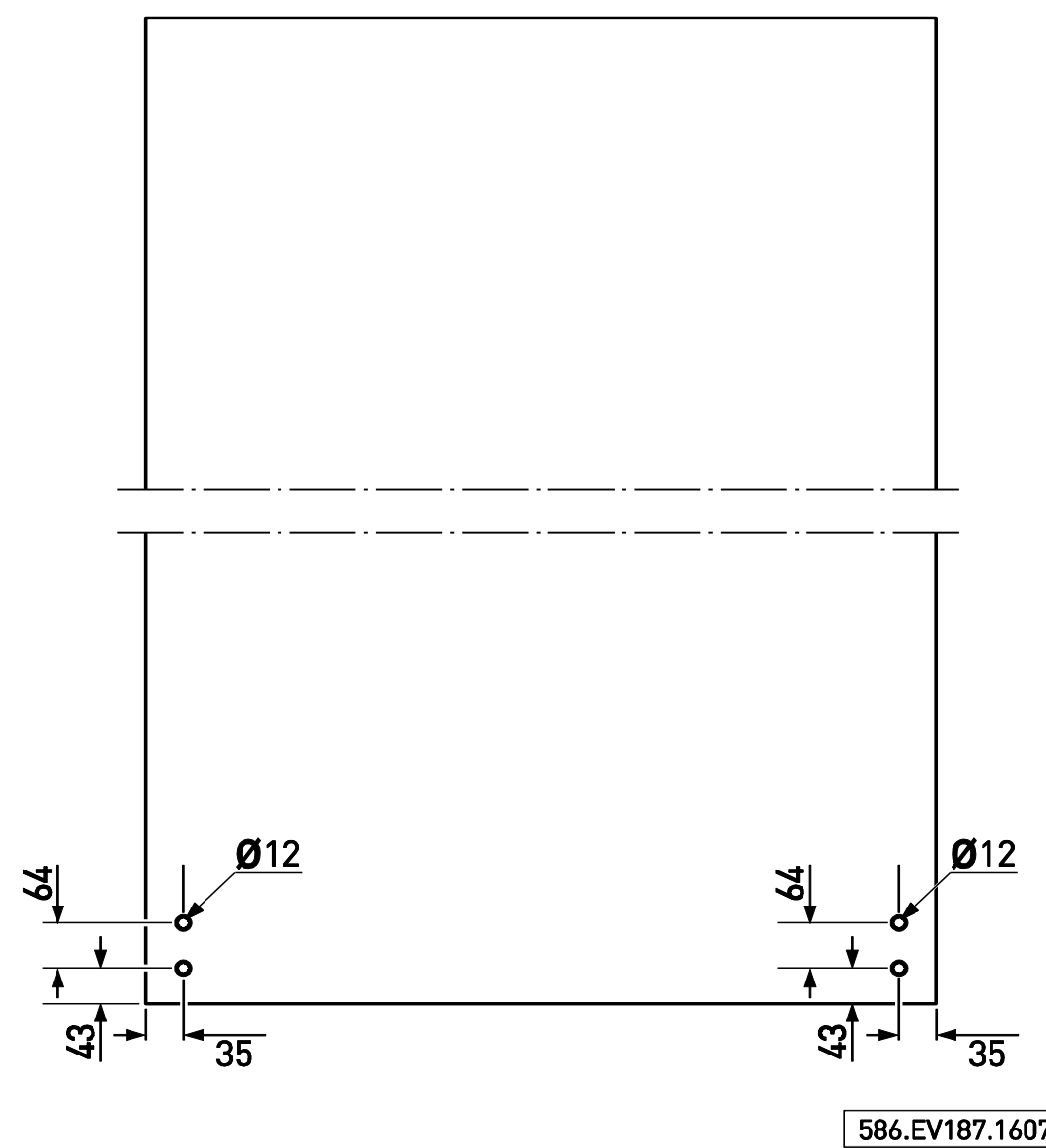
Portavant 150 multiline – Optional accessories

Illustration	Description	Profile length	Article number	Finish	Unit	Price in EUR
	End plate made of stainless steel, surface brushed		618 262.0000.020	stainless steel	1 piece	
		Note: end plates are only necessary if the end faces of the profiles are visible. If required, one end plate must be ordered for each track profile/sidelight support profile and for each visible end face.				
 <p> Load-bearing ceiling Height adjustment (if applicable), e.g. with steel girder etc.* Ceiling joining profile* Track profile/sidelight support profile Suspended ceiling </p> <p>629.EV187.1608</p>	Ceiling joining profile to hold up to five track profiles or sidelight support profiles	2996 mm	618 005.2996.000	mill-finished	1 piece	
		5996 mm	618 005.5996.000	mill-finished	1 piece	
		cut to length up to 2995mm	618 005.length.000	mill-finished	1 piece	
		cut to length from 2997mm to 5995mm	618 005.length.000	mill-finished	1 piece	
Note: the use of a ceiling joining profile substantially reduces the number of necessary drill holes and the resulting weakening of the ceiling structure. M6 x 20 mm Allen bolts can be used to attach the track profiles/sidelight support profile to the ceiling joining profile. *You will find further planning information for fixing Portavant 150 multiline to ceilings at www.willach.com .						

Glass drill holes
1st sliding sash (with handle)



Glass drill holes
for further sliding sashes



Please don't forget the glass drill holes for a handle
(if applicable).



Weight of the sliding sashes	From 50kg to 150kg per sliding sash with cushioning on both sides
Glass width of sliding sashes	At least 960mm The maximum height-width ratio of the sliding sash is 3:1.
Dimensions of the overall system	Max. 6000mm with one-sided systems and max. 12000mm with two-sided systems; max. 5 track profiles/sidelight support profiles next to each other
Glass thickness of sliding sashes and sidelights Tempered glass Laminated safety glass (made of tempered glass)	10 / 12 mm 10.76 / 12.76 mm
Available profile lengths	1996mm, 2996mm, 3996mm, 5996mm as well as fixed lengths
Twin roller assemblies	High-quality, precision roller bearings with plastic coating
Execution	Always cushioned on both sides; multi-track systems with each sash triggering the sliding movement of the following sash; ceiling mounting: one or two-sided; closing to the left or right; also with sidelight(s); colour EV1 (matt aluminium)



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 interior glass sliding doors. The Aquant product line includes high-quality fittings for shower glass sliding doors. 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 Ruppichterorth 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.

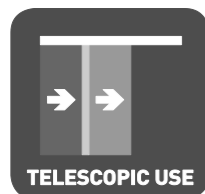
Please contact us and we will be happy to advise you!

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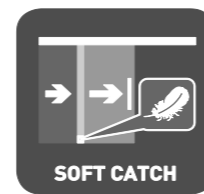


Willach Group

Utilise all the benefits



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



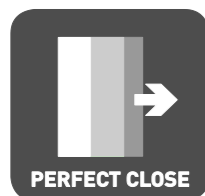
SOFT CATCH
The cushioning solution for gentle multiple-sash sliding: makes sure that, while you slide the first sash, all the others follow quietly and gently.



CEILING MASTER
The perfect solution for all ceiling-mounted installations: facilitates each type of ceiling mounting – even in a ceiling pocket, in front of a lintel or in suspended ceilings. Portavant 150 multiline can, of course, also be used for two-sided systems or solutions with sidelight(s).



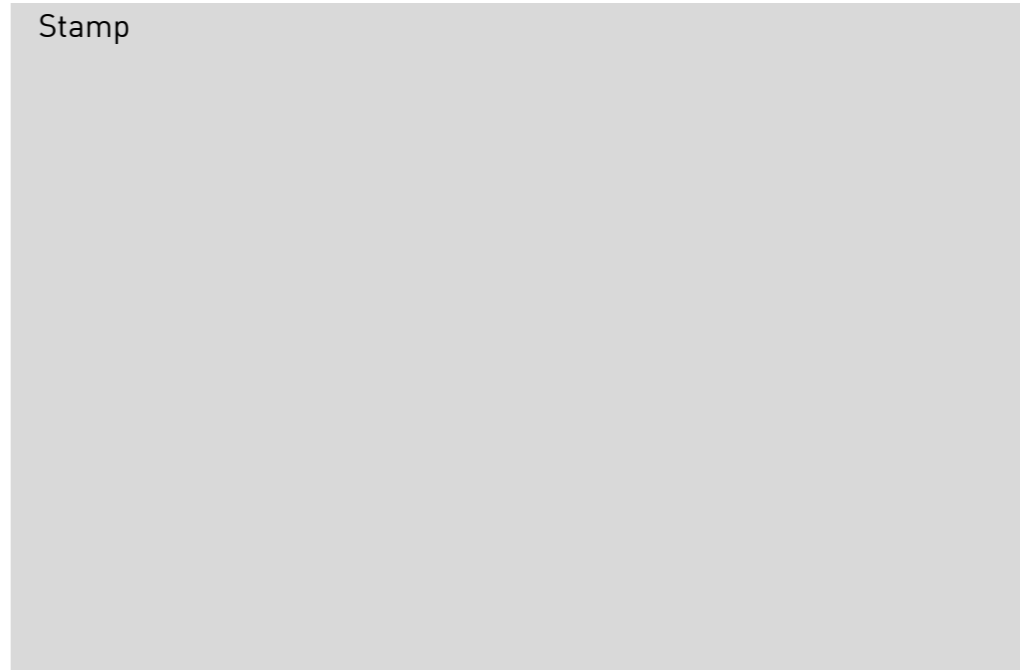
COMFORT STOP
The cushioning system for your safety: slows the sliding sashes gently and quietly irrespective of their weight and speed of closure, and does so over a distance of several centimetres.



PERFECT CLOSE
The retraction system for perfectly closed doors: draws each sliding sash with precision into the final position, prevents it from bouncing back and thus ensures discretion and wellbeing in gently closed spaces.



EASY INSTALL
The clever solution for maximum installation comfort: makes the installation of glass sliding doors a breeze.



EXACT TRIGGER
The mechanism for reliability: ensures, thanks to an intelligent design principle, that the cushioning systems always works correctly.