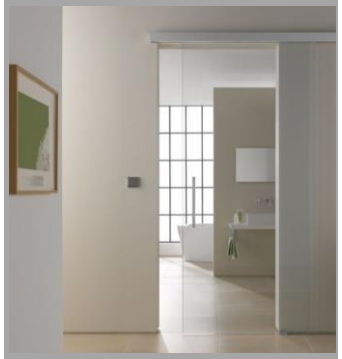
vitris

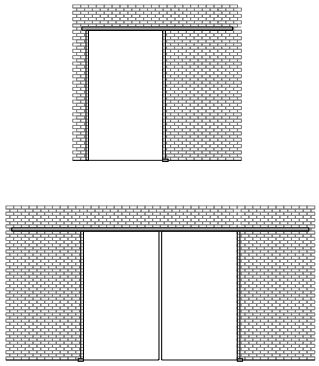
Glass fittings with logic

Article list
Portavant G 120
(Glass sliding doors)

The new Portavant fitting with cushioning on both sides up to 120 kg

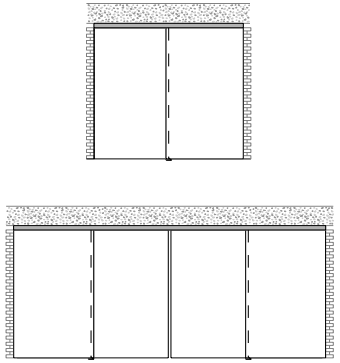
Overview of Portavant G 120 installation situations





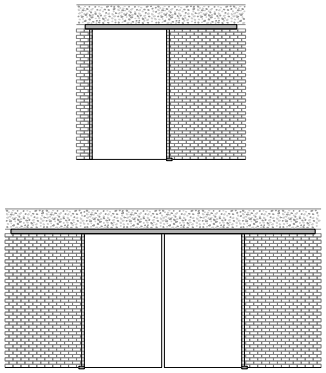
Wall mounting

Pages 3 to 5



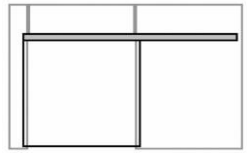
Ceiling mounting with sidelight

Pages 9 to 11



Ceiling mounting

Pages 6 to 8



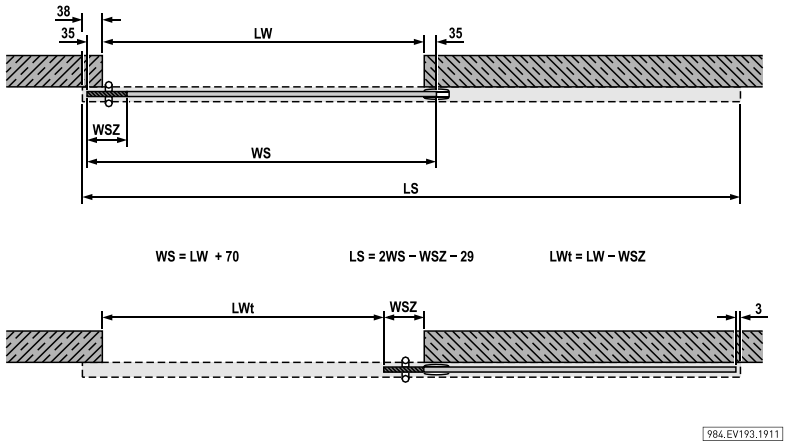
Glass wall mounting

Pages 12 to 14

Optional accessories specifically for Portavant G 120 can be found from page 15.

Portavant G 120 – Determination of measurements: wall mounting, one-sided systems (without door stop profiles and without door frame) 3

Calculation of glass width and profile length



Your project measurements (mm)

Clear width (building) = LW = _____

Calculation of glass width of sliding sash (mm)

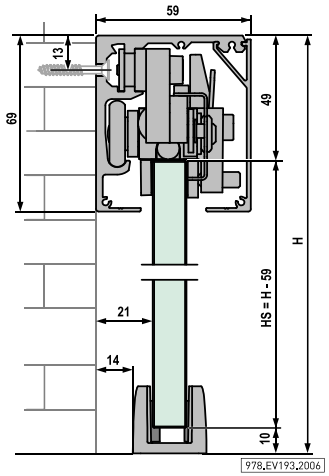
WS = LW + 70 = _____ ≥ 580 mm

Note
Please note that different formulas are used to calculate the glass widths and profile lengths when using the Portavant door stop profiles with/without striking plate. A different formula also applies for the calculation of the profile lengths for one-sided systems with wall mounting and door frame. You will find these special formulas in our Portavant G 120 profile and glass dimensions calculator at www.willach.com (please go to "Vitris", "Glass sliding door fittings for interior doors", "Portavant G 120" in the "Downloads" area).

Calculation of profile length (track profile and cover profile; mm)

LS = 2WS - WSZ - 29 = _____

Calculation of glass height



Your project measurements (mm)

System height = H = _____

Calculation of glass height of sliding sash (mm)

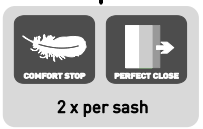
HS = H - 59 = _____

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

Calculation of sash weight

Weight of sliding sash (kg)

From 20 kg to 60 kg	From 60 kg to 120 kg
Please replace the cushioning systems supplied with the complete set and use the weaker cushioning systems (item no. 627 260.0000.000, see page 15) instead.	Please use the standard cushioning systems supplied with the complete sets.



2 x per sash

Your project measurements (mm)

Glass thickness of sliding sash = _____

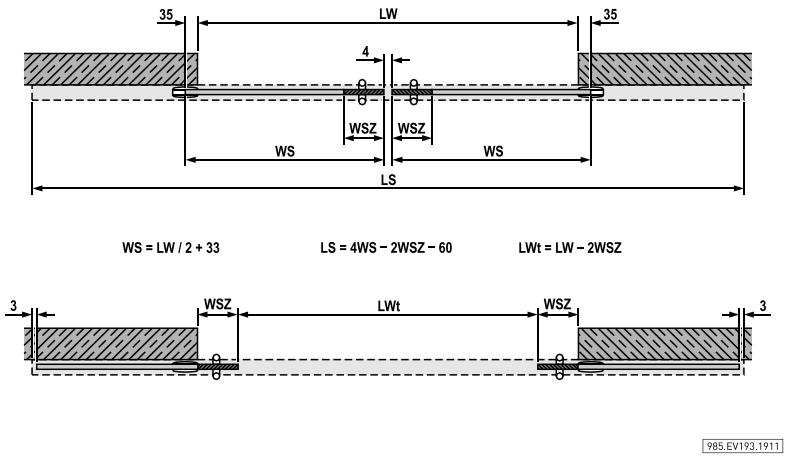
Calculation of sash weight of sliding sash (kg)

Sash weight = WS/1000 x HS/1000 x glass thickness (without film) x 2.5 = _____

Note
Portavant G 120 is suitable for sash weights from 20 kg to 120 kg. You can also use Portavant M 50 for sash weights up to 50 kg, and Portavant M 80 for sash weights from 50 kg to 80 kg.

Portavant G 120 – 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 sash (mm)

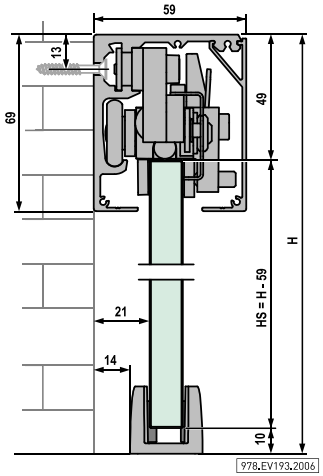
WS = LW/2 + 33 = _____ ≥ 580 mm

Note
You will find our Portavant G 120 profile and glass dimensions calculator at www.willach.com (please go to "Vitris", "Glass sliding door fittings for interior doors", "Portavant G 120" in the "Downloads" area).

Calculation of profile length (track profile and cover profile; mm)

LS = 4WS - 2WSZ - 60 = _____

Calculation of glass height



Your project measurements (mm)

System height = H = _____

Calculation of glass height of sliding sash (mm)

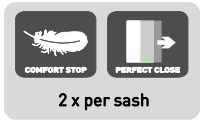
HS = H - 59 = _____

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

Calculation of sash weight

Weight of sliding sash (kg)

From 20 kg to 60 kg	From 60 kg to 120 kg
Please replace the cushioning systems supplied with the complete set and use the weaker cushioning systems (item no. 627 260.0000.000, see page 15) instead.	Please use the standard cushioning systems supplied with the complete sets.



2 x per sash

Your project measurements (mm)

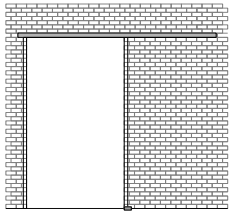
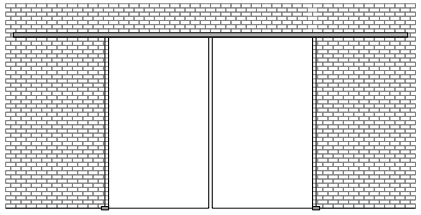
Glass thickness of sliding sash = _____

Calculation of sash weight of sliding sash (kg)

Sash weight = WS/1000 x HS/1000 x glass thickness (without film) x 2.5 = _____

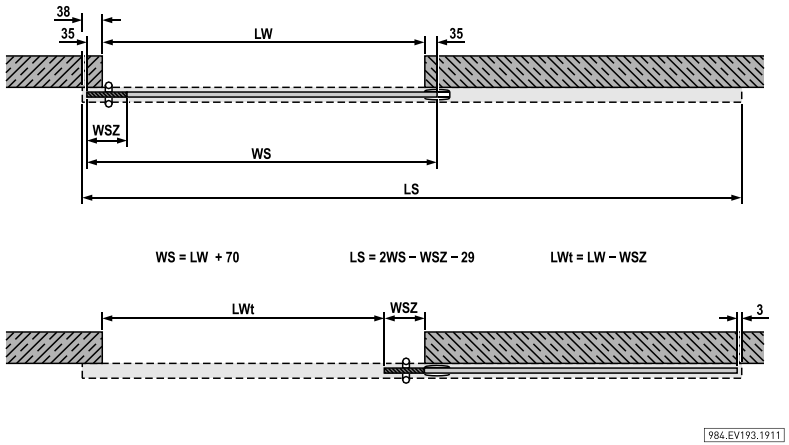
Note
Portavant G 120 is suitable for sash weights from 20 kg to 120 kg. You can also use Portavant M 50 for sash weights up to 50 kg, and Portavant M 80 for sash weights from 50 kg to 80 kg.

Portavant G 120 – Complete sets for wall mounting, one and two-sided systems

Installation situation	Equipment	Description	Profile length	Item number	Finish	Unit	Price in EUR
	 2 x per sash	**Complete set Portavant G 120, wall mounting, one-sided system, for sliding sash weights from 60 kg to 120 kg, 2 x COMFORT STOP + PERFECT CLOSE** includes: 1 x track profile for wall mounting 1 x cover profile 1 x accessory kit for sliding sash weights from 60 kg to 120 kg 1 x floor guide housing 1 x end plates for wall mounting/ceiling mounting (1 pair)	1996 mm	627 112.1996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
				.517	RAL 9016	1 piece	
			2496 mm	627 112.2496.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
				.517	RAL 9016	1 piece	
			2996 mm	627 112.2996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
				.517	RAL 9016	1 piece	
			Custom length (mm)	627 112.length.110	EV1	per m (custom length)	
				.120	C31	per m (custom length)	
				.190	C35	per m (custom length)	
				.517	RAL 9016	per m (custom length)	
		Optional accessories: electric lock, door stop profiles with/without striking plate, spacer profile, spacer gap cover profile, end plates for systems with spacer profiles (see pages 15-19) Note: for sash weights under 60 kg, please order the weaker cushioning systems (item no. 627 260.0000.000, see page 15) to replace the cushioning systems delivered with the complete sets.					
	 2 x per sash	**Complete set Portavant G 120, wall mounting, two-sided system, for sliding sash weights from 60 kg to 120 kg, 2 x COMFORT STOP + PERFECT CLOSE per sash** includes: 1 x track profile for wall mounting 1 x cover profile 2 x accessory kit for sliding sash weights from 60 kg to 120 kg 2 x floor guide housing 1 x end plates for wall mounting/ceiling mounting (1 pair)	3496 mm	627 212.3496.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
				.517	RAL 9016	1 piece	
			3996 mm	627 212.3996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
				.517	RAL 9016	1 piece	
			5996 mm	627 212.5996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
				.517	RAL 9016	1 piece	
			Custom length (mm)	627 212.length.110	EV1	per m (custom length)	
				.120	C31	per m (custom length)	
				.190	C35	per m (custom length)	
				.517	RAL 9016	per m (custom length)	
		Optional accessories: electric lock, spacer profile, spacer gap cover profile, end plates for systems with spacer profiles (see pages 15-19) Note: for sash weights under 60 kg, please order the weaker cushioning systems (item no. 627 260.0000.000, see page 15) to replace the cushioning systems delivered with the complete sets.					

Portavant G 120 – Determination of measurements: ceiling mounting without sidelight, one-sided systems (without door stop profiles) 6

Calculation of glass width and profile length



Your project measurements (mm)

Clear width (building) = LW = _____

Calculation of glass width of sliding sash (mm)

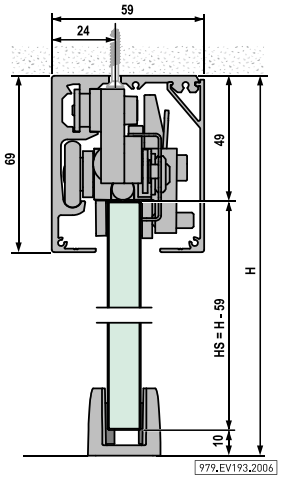
WS = LW + 70 = _____ ≥ 580 mm

Note
Please note that other formulas to calculate the glass widths and profile lengths apply when using the Portavant door stop profiles with/without striking plate. You will find these special formulas in our Portavant G 120 profile and glass dimensions calculator at www.willach.com (please go to "Vitris", "Glass sliding door fittings for interior doors", "Portavant G 120" in the "Downloads" area).

Calculation of profile length (track profile and cover profile; mm)

LS = 2WS - WSZ - 29 = _____

Calculation of glass height



Your project measurements (mm)

System height = H = _____

Calculation of glass height of sliding sash (mm)

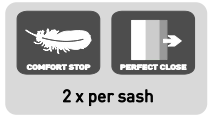
HS = H - 59 = _____

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

Calculation of sash weight

Weight of sliding sash (kg)

From 20 kg to 60 kg	From 60 kg to 120 kg
Please replace the cushioning systems supplied with the complete set and use the weaker cushioning systems (item no. 627 260.0000.000, see page 15) instead.	Please use the standard cushioning systems supplied with the complete sets.



2 x per sash

Your project measurements (mm)

Glass thickness of sliding sash = _____

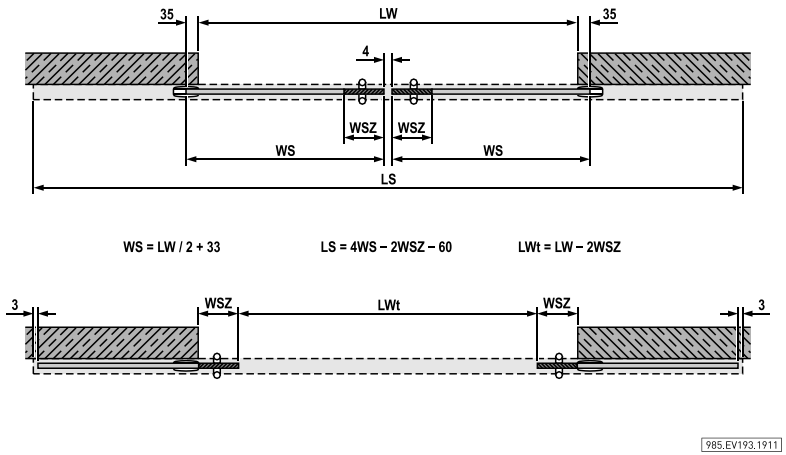
Calculation of sash weight of sliding sash (kg)

Sash weight = WS/1000 x HS/1000 x glass thickness (without film) x 2.5 = _____

Note
Portavant G 120 is suitable for sash weights from 20 kg to 120 kg. You can also use Portavant M 50 for sash weights up to 50 kg, and Portavant M 80 for sash weights from 50 kg to 80 kg.

Portavant G 120 – 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 sash (mm)

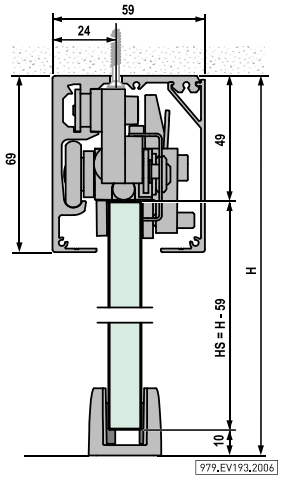
WS = LW/2 + 33 = _____ ≥ 580 mm

Note
You will find our Portavant G 120 profile and glass dimensions calculator at www.willach.com (please go to "Vitris", "Glass sliding door fittings for interior doors", "Portavant G 120" in the "Downloads" area).

Calculation of profile length (track profile and cover profile; mm)

LS = 4WS - 2WSZ - 60 = _____

Calculation of glass height



Your project measurements (mm)

System height = H = _____

Calculation of glass height of sliding sash (mm)

HS = H - 59 = _____

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

Calculation of sash weight

Weight of sliding sash (kg)

From 20 kg to 60 kg	From 60 kg to 120 kg
Please replace the cushioning systems supplied with the complete set and use the weaker cushioning systems (item no. 627 260.0000.000, see page 15) instead.	Please use the standard cushioning systems supplied with the complete sets.

2 x per sash

Your project measurements (mm)

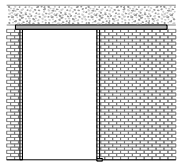
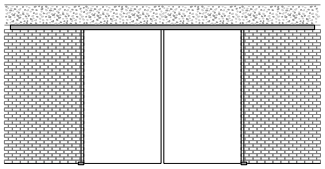
Glass thickness of sliding sash = _____

Calculation of sash weight of sliding sash (kg)

Sash weight = WS/1000 x HS/1000 x glass thickness (without film) x 2.5 = _____

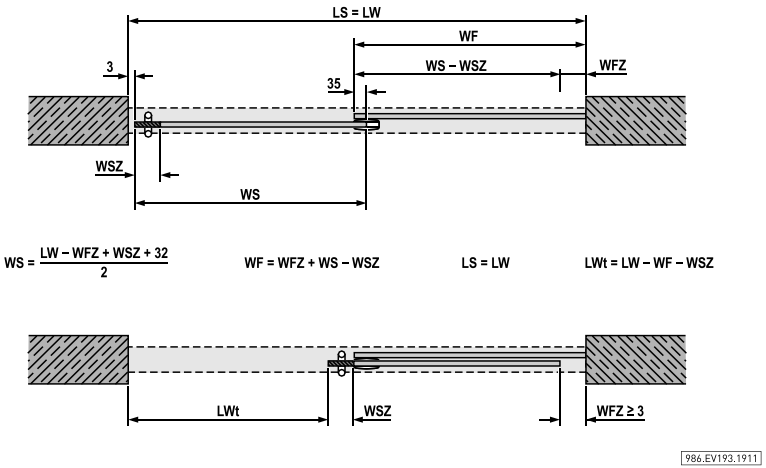
Note
Portavant G 120 is suitable for sash weights from 20 kg to 120 kg. You can also use Portavant M 50 for sash weights up to 50 kg, and Portavant M 80 for sash weights from 50 kg to 80 kg.

Portavant G 120 – Complete sets for ceiling mounting without sidelight, one and two-sided systems

Installation situation	Equipment	Description	Profile length	Item number	Finish	Unit	Price in EUR
	 2 x per sash	**Complete set Portavant G 120, ceiling mounting, one-sided system, for sliding sash weights from 60 kg to 120 kg, 2 x COMFORT STOP + PERFECT CLOSE** includes: 1 x track profile for ceiling mounting 1 x cover profile 1 x accessory kit for sliding sash weights from 60 kg to 120 kg 1 x floor guide housing 1 x end plates for wall mounting/ceiling mounting (1 pair)	1996 mm	627 122.1996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			2496 mm	627 122.2496.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			2996 mm	627 122.2996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			Custom length (mm)	627 122.length.110	EV1	per m (custom length)	
				.120	C31	per m (custom length)	
				.190	C35	per m (custom length)	
			Optional accessories: electric lock, door stop profiles with/without striking plate (see page 15) Note: for sash weights under 60 kg, please order the weaker cushioning systems (item no. 627 260.0000.000, see page 15) to replace the cushioning systems delivered with the complete sets.				
	 2 x per sash	**Complete set Portavant G 120, ceiling mounting, two-sided system, for sliding sash weights from 60 kg to 120 kg, 2 x COMFORT STOP + PERFECT CLOSE per sash** includes: 1 x track profile for ceiling mounting 1 x cover profile 2 x accessory kit for sliding sash weights from 60 kg to 120 kg 2 x floor guide housing 1 x end plates for wall mounting/ceiling mounting (1 pair)	3496 mm	627 222.3496.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			3996 mm	627 222.3996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			5996 mm	627 222.5996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			Custom length (mm)	627 222.length.110	EV1	per m (custom length)	
				.120	C31	per m (custom length)	
				.190	C35	per m (custom length)	
			Optional accessory: electric lock (see page 15) Note: for sash weights under 60 kg, please order the weaker cushioning systems (item no. 627 260.0000.000, see page 15) to replace the cushioning systems delivered with the complete sets.				

Portavant G 120 – Determination of measurements: ceiling mounting with sidelight, one-sided systems (without door stop profiles) 9

Calculation of glass width and profile length



$WS = \frac{LW - WFZ + WSZ + 32}{2}$ $WF = WFZ + WS - WSZ$ $LS = LW$ $LWt = LW - WF - WSZ$

Please enter the lengths of the track profile and the cover profile (mm)

LS = LW = _____

Calculation of glass width of sliding sash (mm)

WS = (LW - WFZ + WSZ + 32) / 2 = _____ ≥ 580 mm

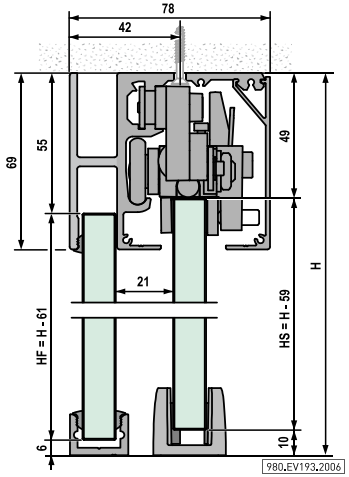
Calculation of glass width of sidelight (mm)

WF = WFZ + WS - WSZ = _____

with WFZ ≥ 3 mm

Note
Please note that other formulas to calculate the glass widths and profile lengths apply when using the Portavant door stop profiles with/without striking plate. You will find these special formulas in our Portavant G 120 profile and glass dimensions calculator at www.willach.com (please go to "Vitris", "Glass sliding door fittings for interior doors", "Portavant G 120" in the "Downloads" area).

Calculation of glass height



Your project measurements (mm)

System height = H = _____

Calculation of glass height of sliding sash (mm)

HS = H - 59 = _____

Calculation of glass height of sidelight (mm)

HF = H - 61 = _____

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

Calculation of sash weight

Weight of sliding sash (kg)

From 20 kg to 60 kg

Please replace the cushioning systems supplied with the complete set and use the weaker cushioning systems (item no. 627 260.0000.000, see page 15) instead.

From 60 kg to 120 kg

Please use the standard cushioning systems supplied with the complete sets.

2 x per sash

Your project measurements (mm)

Glass thickness of sliding sash = _____

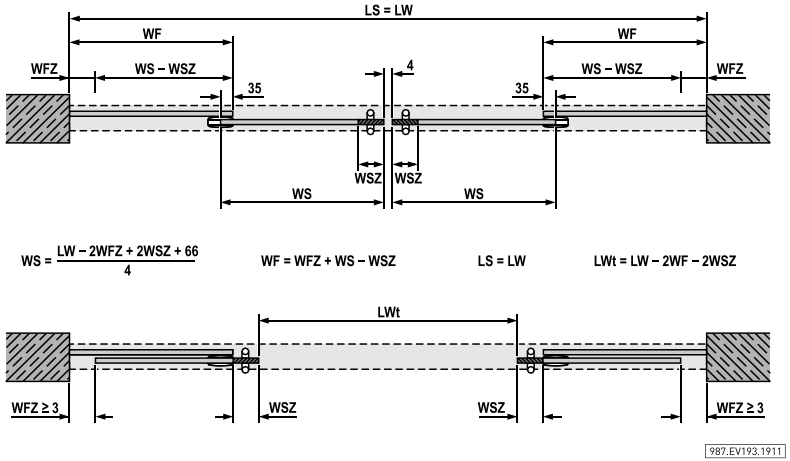
Calculation of sash weight of sliding sash (kg)

Sash weight = WS/1000 x HS/1000 x glass thickness (without film) x 2.5 = _____

Note
Portavant G 120 is suitable for sash weights from 20 kg to 120 kg. You can also use Portavant M 50 for sash weights up to 50 kg, and Portavant M 80 for sash weights from 50 kg to 80 kg.

Portavant G 120 – Determination of measurements: ceiling mounting with sidelight, two-sided systems 10

Calculation of glass width and profile length



Please enter the lengths of the track profile and the cover profile (mm)

LS = LW = _____

Calculation of glass width of sliding sash (mm)

WS = (LW - 2WFZ + 2WSZ + 66) / 4 = _____ ≥ 580 mm

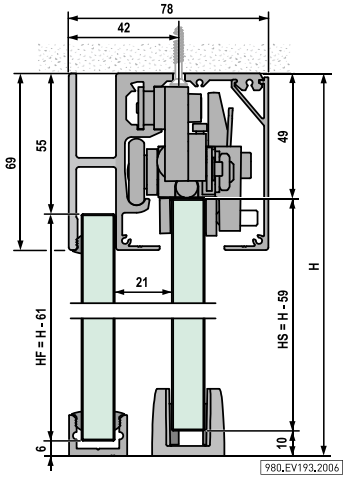
Calculation of glass width of sidelight (mm)

WF = WFZ + WS - WSZ = _____

with WFZ ≥ 3 mm

Note
You will find our Portavant G 120 profile and glass dimensions calculator at www.willach.com (please go to "Vitris", "Glass sliding door fittings for interior doors", "Portavant G 120" in the "Downloads" area).

Calculation of glass height



Your project measurements (mm)

System height = H = _____

Calculation of glass height of sliding sash (mm)

HS = H - 59 = _____

Calculation of glass height of sidelight (mm)

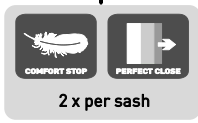
HF = H - 61 = _____

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

Calculation of sash weight

Weight of sliding sash (kg)

From 20 kg to 60 kg	From 60 kg to 120 kg
Please replace the cushioning systems supplied with the complete set and use the weaker cushioning systems (item no. 627 260.0000.000, see page 15) instead.	Please use the standard cushioning systems supplied with the complete sets.



2 x per sash

Your project measurements (mm)

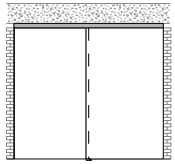
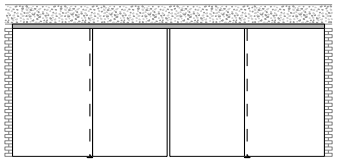
Glass thickness of sliding sash = _____

Calculation of sash weight of sliding sash (kg)

Sash weight = WS/1000 x HS/1000 x glass thickness (without film) x 2.5 = _____

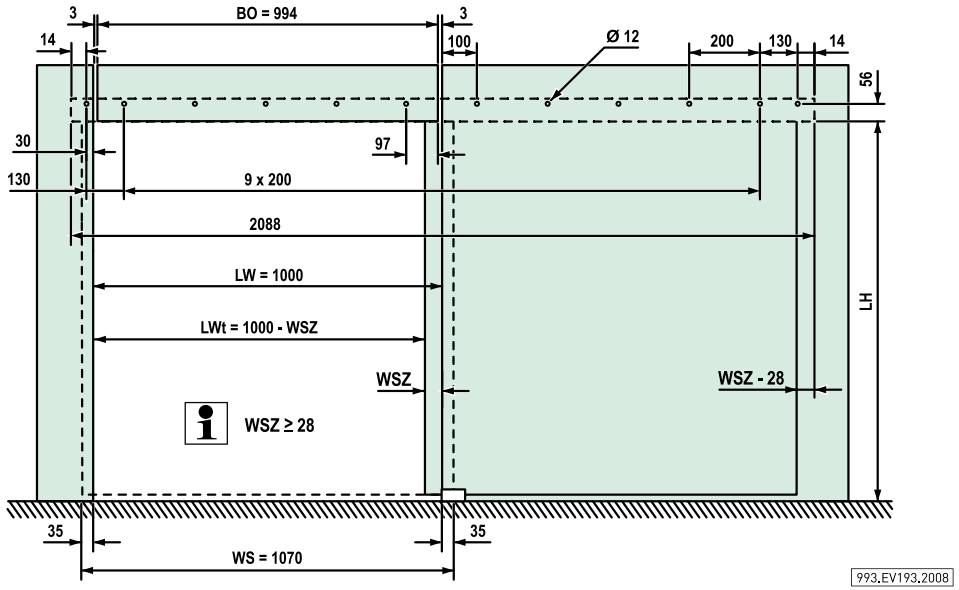
Note
Portavant G 120 is suitable for sash weights from 20 kg to 120 kg. You can also use Portavant M 50 for sash weights up to 50 kg, and Portavant M 80 for sash weights from 50 kg to 80 kg.

Portavant G 120 – Complete sets for ceiling mounting with sidelight, one and two-sided systems

Installation situation	Equipment	Description	Profile length	Item number	Finish	Unit	Price in EUR
	 2 x per sash	**Complete set Portavant G 120, ceiling mounting with sidelight, one-sided system,** **for sliding sash weights from 60 kg to 120 kg,** **2 x COMFORT STOP + PERFECT CLOSE** includes: 1 x track profile for ceiling mounting with sidelight 1 x cover profile 1 x accessory kit for sliding sash weights from 60 kg to 120 kg 1 x floor guide housing 1 x end plates for ceiling mounting with sidelight (1 pair) 1 x 1200 mm self-adhesive PET insert	1996 mm	627 126.1996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			2496 mm	627 126.2496.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			2996 mm	627 126.2996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			Custom length (mm)	627 126.length.110	EV1	per m (custom length)	
				.120	C31	per m (custom length)	
				.190	C35	per m (custom length)	
			Optional accessories: electric lock, door stop profiles with/without striking plate (see page 15), infill profile, floor/wall profile, end plates for floor/wall profile, silicone gasket (see Portavant accessories article list) Note: for sash weights under 60 kg, please order the weaker cushioning systems (item no. 627 260.0000.000, see page 15) to replace the cushioning systems delivered with the complete sets.				
	 2 x per sash	**Complete set Portavant G 120, ceiling mounting with sidelight, two-sided system,** **for sliding sash weights from 60 kg to 120 kg,** **2 x COMFORT STOP + PERFECT CLOSE per sash** includes: 1 x track profile for ceiling mounting with sidelight 1 x cover profile 2 x accessory kit for sliding sash weights from 60 kg to 120 kg 2 x floor guide housing 1 x end plates for ceiling mounting with sidelight (1 pair) 2 x 1200 mm self-adhesive PET insert	3496 mm	627 226.3496.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			3996 mm	627 226.3996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			5996 mm	627 226.5996.110	EV1	1 piece	
				.120	C31	1 piece	
				.190	C35	1 piece	
			Custom length (mm)	627 226.length.110	EV1	per m (custom length)	
				.120	C31	per m (custom length)	
				.190	C35	per m (custom length)	
			Optional accessories: electric lock (see page 15), infill profile, floor/wall profile, end plates for floor/wall profile, silicone gasket (see Portavant accessories article list) Note: for sash weights under 60 kg, please order the weaker cushioning systems (item no. 627 260.0000.000, see page 15) to replace the cushioning systems delivered with the complete sets.				

Portavant G 120 – Determination of measurements: glass wall mounting, one-sided systems, clear width 1000 mm

Calculation of glass width and profile length



LW = clear width

LWt = clear width (door passage)

LH = clear height

H = system height

HS = glass height of sliding sash

WS = glass width of sliding sash with handle

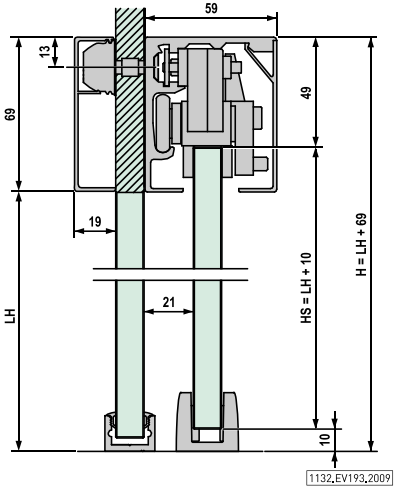
WSZ = additional width of sliding sash for handle

BO = glass width of transom light

Note
With Portavant G 120, complete sets are also available for a clear width of 1200 mm (see next page).

Please contact us for other installation situations with glass wall mounting.

Calculation of glass height



Your project measurements (mm)

LH = _____

Calculation of glass height of sliding sash (mm)

HS = LH + 10 = _____

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

Calculation of sash weight

Weight of sliding sash (kg)

From 20 kg to 60 kg

Please replace the cushioning systems supplied with the complete set and use the weaker cushioning systems (item no. 627 260.0000.000, see page 15) instead.

From 60 kg to 120 kg

Please use the standard cushioning systems supplied with the complete sets.

2 x per sash

Your project measurements (mm)

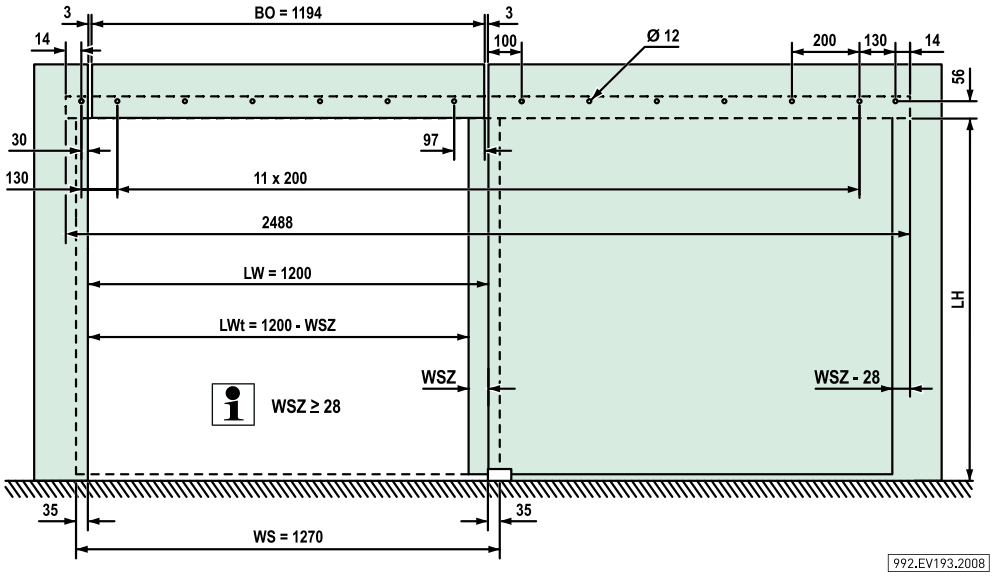
Glass thickness of sliding sash = _____

Calculation of sash weight of sliding sash (kg)

Sash weight = WS/1000 x HS/1000 x glass thickness (without film) x 2.5 = _____

Portavant G 120 – Determination of measurements: glass wall mounting, one-sided systems, clear width 1200 mm

Calculation of glass width and profile length



LW = clear width

LWt = clear width (door passage)

LH = clear height

H = system height

HS = glass height of sliding sash

WS = glass width of sliding sash with handle

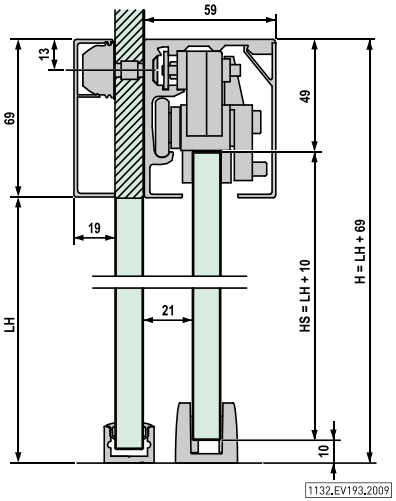
WSZ = additional width of sliding sash for handle

BO = glass width of transom light

Note
With Portavant G 120, complete sets are also available for a clear width of 1000 mm (see previous page).

Please contact us for other installation situations with glass wall mounting.

Calculation of glass height



Your project measurements (mm)

LH = _____

Calculation of glass height of sliding sash (mm)

HS = LH + 10 = _____

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

Calculation of sash weight

Weight of sliding sash (kg)

From 20 kg to 60 kg

Please replace the cushioning systems supplied with the complete set and use the weaker cushioning systems (item no. 627 260.0000.000, see page 15) instead.

From 60 kg to 120 kg

Please use the standard cushioning systems supplied with the complete sets.

2 x per sash

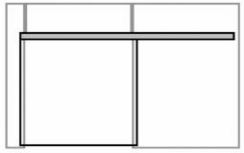
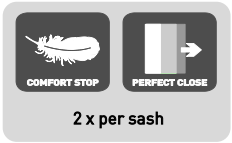
Your project measurements (mm)

Glass thickness of sliding sash = _____

Calculation of sash weight of sliding sash (kg)

Sash weight = WS/1000 x HS/1000 x glass thickness (without film) x 2.5 = _____

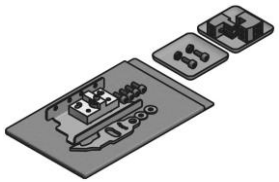
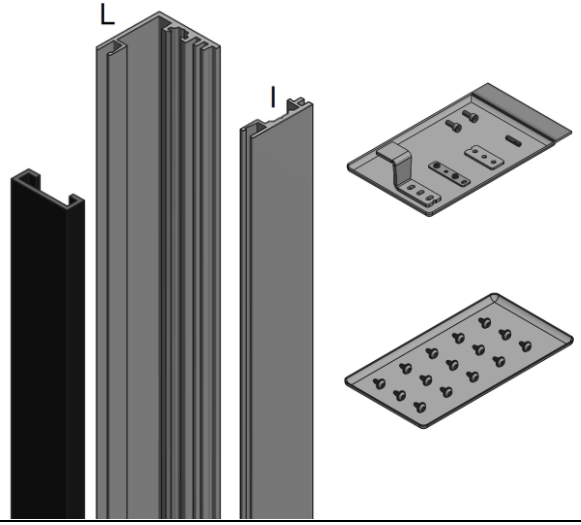
Portavant G 120 – Complete sets for glass wall mounting, one-sided systems 14

Installation situation	Equipment	Description	Profile length	Item number	Finish	Unit	Price in EUR
	 2 x per sash	**Complete set Portavant G 120, glass wall mounting, one-sided system, for sliding sash weights from 60 kg to 120 kg, 2 x COMFORT STOP + PERFECT CLOSE** clear width 1000 mm (2088 mm profile length) or clear width 1200 mm (2488 mm profile length) includes: 1 x track profile for glass wall mounting 1 x cover profile 1 x glass wall profile 1 x accessory kit for sliding sash weights from 60 kg to 120 kg 1 x floor guide housing 1 x fixing material for glass wall mounting with 14 drill holes (incl. shims, bolts and sealing compound) 1 x end plates for glass wall profile (1 pair) 1 x end plates for wall mounting/ceiling mounting (1 pair)	2088 mm	627 119.2088.110	EV1	1 piece	
				.120	C31	1 piece	
			2488 mm	627 119.2488.110	EV1	1 piece	
				.120	C31	1 piece	

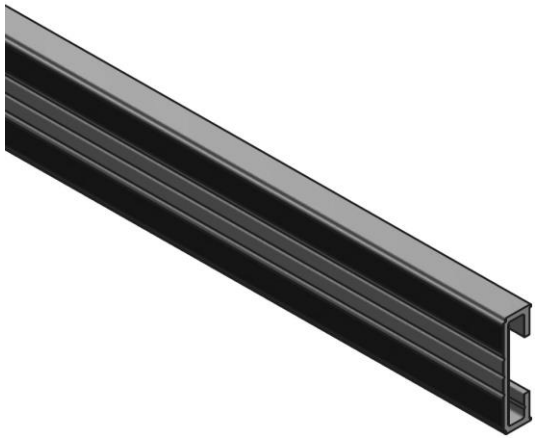
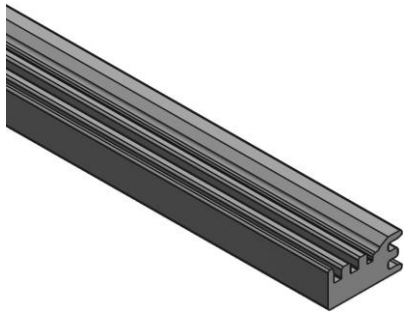
Optional accessory: electric lock (see page 15); floor/wall profile, end plates for floor/wall profile, silicone gasket, ceiling profile (see Portavant accessories article list)
Note: for sash weights under 60 kg, please order the weaker cushioning systems (item no. 627 260.0000.000, see page 15) to replace the cushioning systems delivered with the complete sets.

Please contact us for other installation situations with glass wall mounting.

Portavant G 120 – Optional accessories

Illustration	Description	Profile length	Item number	Finish	Unit	Price in EUR
	**Portavant G 120 cushioning and retraction system** for sash weights from 20 kg up to 60 kg		627 260.0000.000		1 pair	
		Note: one pair required per sliding sash.				
	**Portavant G 120 electric lock supplementary accessory kit** includes: 1 x support plate with electromagnet 1 x locking hook 1 x set of 2-pin screw terminals 1 x fixing material 1 x supplementary instructions		627 390.0000.000		1 piece	
		Note: the roller assembly is equipped with a locking cam and a guiding cam as standard. The low voltage (24V DC) lock is only suitable for glass sliding doors and can be connected to and operated with your preferred electronic components. The power source and the control unit are not supplied.				
	**Door stop profiles with striking plate** include: 1 x door stop profile "L" 1 x door stop profile "I" 1 x rubber stop strip (black) 1 x striking plate set 1 x or 2 x fixing material 1 x supplementary instructions	1996 mm	627 410.1996.110	EV1	1 piece	
			.120	C31	1 piece	
		2496 mm	627 410.2496.110	EV1	1 piece	
			.120	C31	1 piece	
		2996 mm	627 410.2996.110	EV1	1 piece	
			.120	C31	1 piece	
		4996 mm	627 410.4996.110	EV1	1 piece	
			.120	C31	1 piece	
		Custom length (mm)	627 410.length.110	EV1	per m (custom length)	
			.120	C31	per m (custom length)	
		Note: the door stop profiles with/without striking plate can be used for the Portavant M 50/M 80, Portavant G 120, Portavant 60 twinline (ceiling mounting) and Portavant 150.				

Portavant G 120 – Optional accessories

Illustration	Description	Profile length	Item number	Finish	Unit	Price in EUR
	**Spacer profile** 39 x 10 mm	1996 mm	627 420.1996.110	EV1	1 piece	
			.120	C31	1 piece	
		2496 mm	627 420.2496.110	EV1	1 piece	
			.120	C31	1 piece	
		2996 mm	627 420.2996.110	EV1	1 piece	
			.120	C31	1 piece	
		3496 mm	627 420.3496.110	EV1	1 piece	
			.120	C31	1 piece	
		3996 mm	627 420.3996.110	EV1	1 piece	
			.120	C31	1 piece	
		5996 mm	627 420.5996.110	EV1	1 piece	
			.120	C31	1 piece	
		Custom length (mm)	627 420.length.110	EV1	per m (custom length)	
			.120	C31	per m (custom length)	
		Note: the spacer profile can be used horizontally to shim the track profile in the case of wall mounting with door frame. When used vertically, the spacer profile serves to shim the door stop profiles. See the planning criteria on pages 17-18 to determine the number of spacer profiles required. Compulsory accessories when using the spacer profile horizontally to shim the track profile in case of wall mounting with door frame: complementary accessory kit with end plates (see page 19)!				
	**Spacer gap cover profile** 19 x 9 mm	1996 mm	627 430.1996.110	EV1	1 piece	
			.120	C31	1 piece	
		3996 mm	627 430.3996.110	EV1	1 piece	
			.120	C31	1 piece	
		Custom length (mm)	627 430.length.110	EV1	per m (custom length)	
			.120	C31	per m (custom length)	
		Note: to cover the gap between the track profile and the wall when using the spacer profile. See the planning criteria on page 17 to determine the number of profiles required to cover the spacer gap (depending on the thickness of the door frame).				

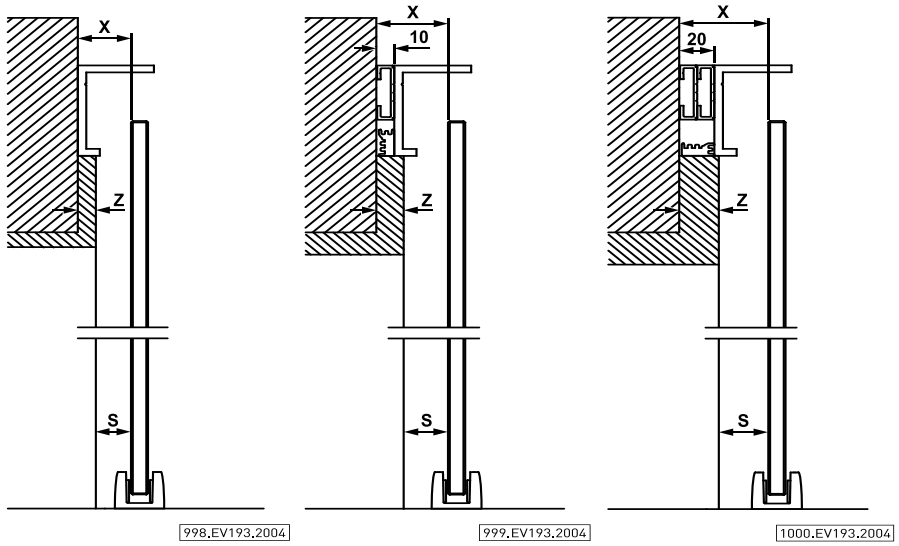
Portavant G 120 – Planning criteria to determine the number of spacer profiles and spacer gap cover profiles required (depending on the thickness of the door frame)

Legend:

S = gap dimension
X = distance between wall and edge of glass sash
Z = thickness of door frame

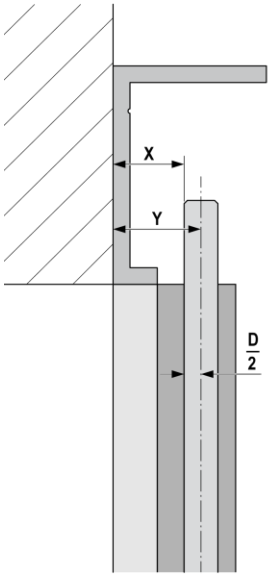
	Z =	0 - 13 mm	14 - 23 mm	24 - 33 mm
Item number 627 420		0 x	1 x	2 x
Item number 627 430*		0 x	1 x	1 x
	X =	21 mm	31 mm	41 mm

S = X - Z ≥ 8 mm



*** optional**

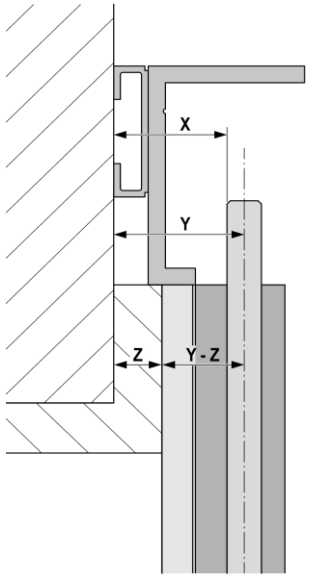
Portavant G 120 – Planning criteria to determine the number of vertical spacer profiles required in combination with the Portavant door stop profiles with/without striking plate



1015.EV193.2005

14 < Y ≤ 23	0 x (Item number 627 420) 1 x (Item number 627 410)
24 ≤ Y ≤ 33	1 x (Item number 627 420) 1 x (Item number 627 410)
34 ≤ Y ≤ 43	2 x (Item number 627 420) 1 x (Item number 627 410)
Y > 43	

Y = X + D/2

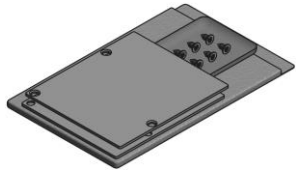
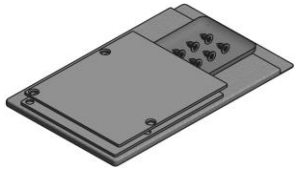


1016.EV193.2005

14 < Y - Z ≤ 23	0 x (Item number 627 420) 1 x (Item number 627 410)
24 ≤ Y - Z ≤ 33	1 x (Item number 627 420) 1 x (Item number 627 410)
34 ≤ Y - Z ≤ 43	2 x (Item number 627 420) 1 x (Item number 627 410)
Y - Z > 43	

Y - Z = X + D/2 - Z

Portavant G 120 – Compulsory accessories when spacer profiles are used horizontally to shim the track profile in the case of wall mounting with door frame

Illustration	Description	Item number	Finish	Unit	Price in EUR
	**Portavant G 120 supplementary accessory kit with end plates when using one spacer profile horizontally** includes: 1 x end plates when using one spacer profile (1 pair) 1 x fixing material 1 x supplementary instructions	627 441.0000.110	EV1	1 piece	
		.120	C31	1 piece	
	Note: this supplementary accessory kit is compulsory if one spacer profile is used horizontally.				
	**Portavant G 120 supplementary accessory kit with end plates when using two spacer profiles horizontally** includes: 1 x end plates when using two spacer profiles (1 pair) 1 x fixing material 1 x supplementary instructions	627 442.0000.110	EV1	1 piece	
		.120	C31	1 piece	
	Note: this supplementary accessory kit is compulsory if two spacer profiles are used horizontally.				

For your notes

For your notes

For your notes

Portavant G 120 – Technical information

Sash weights of sliding sashes	From 20 kg* to 120 kg per sliding sash with cushioning on both sides
Glass width of sliding sash	580 mm minimum The maximum height-width ratio of the sliding sashes is 3:1.
Glass thickness of sliding sash Tempered glass Laminated safety glass (made of tempered glass)	 8 mm, 10 mm, 12 mm 8.76 mm, 10.76 mm, 12.76 mm
Glass thickness of sidelights and glass wall Tempered glass Laminated safety glass (made of tempered glass)	 10 mm, 12 mm 10.76 mm, 12.76 mm
Available profile lengths	1996 mm, 2496 mm, 2996 mm, 3496 mm, 3996 mm, 5996 mm and custom length**
Roller assemblies	High quality, precise roller bearings with plastic coating
Execution	One-sided or two-sided***; for right and left-hand use; always with cushioning on both sides; wall mounting, ceiling mounting with or without sidelight, glass wall mounting; colours: natural aluminium (EV1), stainless steel effect (C31, main visible surfaces brushed), anodised black (C35, not for glass wall mounting) and powder-coated white (RAL 9016, for wall mounting only)

*For sash weights from 20 kg to 60 kg, the standard cushioning systems supplied with the complete sets must be replaced by the weaker cushioning systems (item no. 627 260.0000.000, see page 15).
**Different profile lengths for glass wall mounting.
***Please contact us, if you require two-sided systems with glass wall mounting.

Willach

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 sliding glass 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 VITIRS range.

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

Gebr. Willach GmbH
Stein 2
D-53809 Ruppichteroth
Germany
Tel.: +49 (0)2295 9208 421/423/427/431
Fax: +49 (0)2295 9208 429
vitris@willach.com
www.willach.com

WillachGroup

Benefit from these advantages

COMFORT STOP
The cushioning system for your safety: slows down the sliding sashes gently and quietly before the end positions are reached.

PERFECT CLOSE
The end-position retraction system for perfectly closed doors: pulls the door safely to its end position and prevents it from bouncing back, thus ensuring discretion and well-being in perfectly closed spaces.

Stamp

EXACT TRIGGER
A mechanism you can rely on: features a revolutionary design that ensures that the cushioning system always functions reliably.

DOUBLE GUIDE
The double guidance mechanism: keeps your sashes running smoothly, quietly and safely.

EASY INSTALL
The solution for greatest ease of installation: makes the installation of sliding doors a breeze.

EASY LOCK
The solution for easy locking: makes it easy to lock your sliding door, whether using an electric lock or door stop profiles with striking plate.

SYSTEM FIT
The modular solution for your installation: resolves almost any installation situation using modular system components.

Edition 03/2021