ROLLER SHUTTERS

WIŚNIOWSKI
GATES | WINDOWS | DOORS | FENCES

WINDOW ROLLER SHUTTERS **PROTECTA**

Intended use: Window roller shutters are intended for use in single-family detached homes. Their main purpose is to cover windows and glazings to ensure a high level of privacy and protection against strong sun and high levels of noise. In modern design, they are also a universal decorative element, which – thanks to the broad individualization options – suits almost all types of architecture. WIŚNIOWSKI roller shutters have a curtain made of aluminium sheet, infilled with polyurethane foam. The box, access cover, as well as guide rails are also made of aluminium, or PVC in the case of top-mounted roller shutters. It is a durable material that ensures reliable operation and the best protection of the entire building.

INSULATION

The Protecta roller shutters protect your home against sun, cold, wind, and noise. They insulate the home interior from everything that can disturb the peace and security of your family.

SMART CONTROL

Thanks to the smartCONNECTED feature, you can control the Protecta roller shutters from your phone. You are at work and you want to close the roller shutters so that the strong sun does not overheat the interior? Just do it remotely without having to move one inch.

MODERN DESIGN

The design of the Protecta roller shutters is all about timeless elegance. That is why they will match any type of architecture. But they will always look their best with WIŚNIOWSKI windows.

PROTECTA A ROLLER SHUTTERS

Technical information

The Protecta A roller shutters are a roller shutter system in which the access cover and the guide rails are made of aluminium. The curtain comprises profiles made of aluminium sheet infilled with freon-free polyurethane foam and finished with an end slat. The curtain sheet is covered with two layers of paint, which improves the curtain's resistance to abrasion, scratches, and the weather conditions.
Service access to the inside of the box is provided through the access cover located on the outside of the roller shutter.

These roller shutters can be used in newly built buildings, as well as in existing buildings without having to modify the building structure. Roller shutters can be installed using two methods, either in the window recess, in which case the guide rails are installed to the window frame; or on the façade, in which case the roller shutter dimensions have to be increased to include the guide rail width and the box height.

Thanks to the option to integrate the Protecta A roller shutters with a mosquito screen, the home interior is not only protected against high solar exposure in the summer and loss of heat in the winter, but the roller shutters also ensure effective protection against insects.

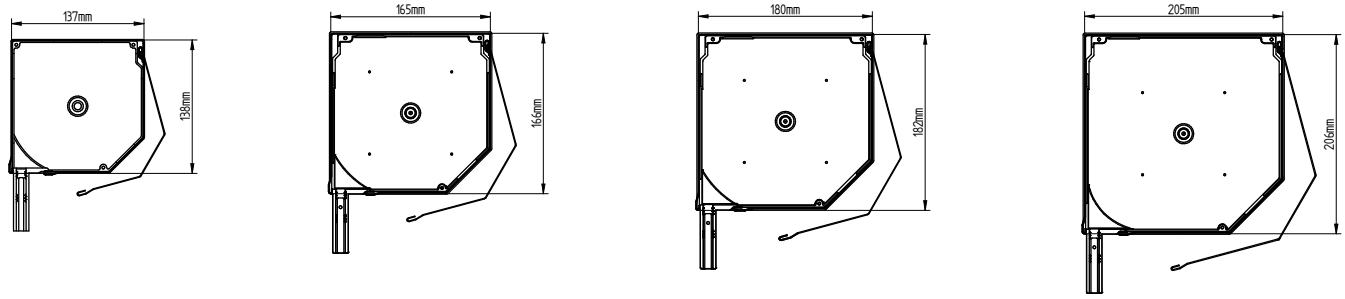
Structure of the Protecta A roller shutter

Standard accessories

- 6 non-perforated slats from the top
- steel/PVC soft hangers with felt
- end slat 51 mm high
- end slat caps with a fixed bumper
- guide rails with a brush seal
- access cover fixed with rivets
- the top end position is set in the power operated version
- rubber cable gland
- cord winder in colour: white / brown

Box sizes – Protecta A roller shutter

137 | 165 | 180 | 205

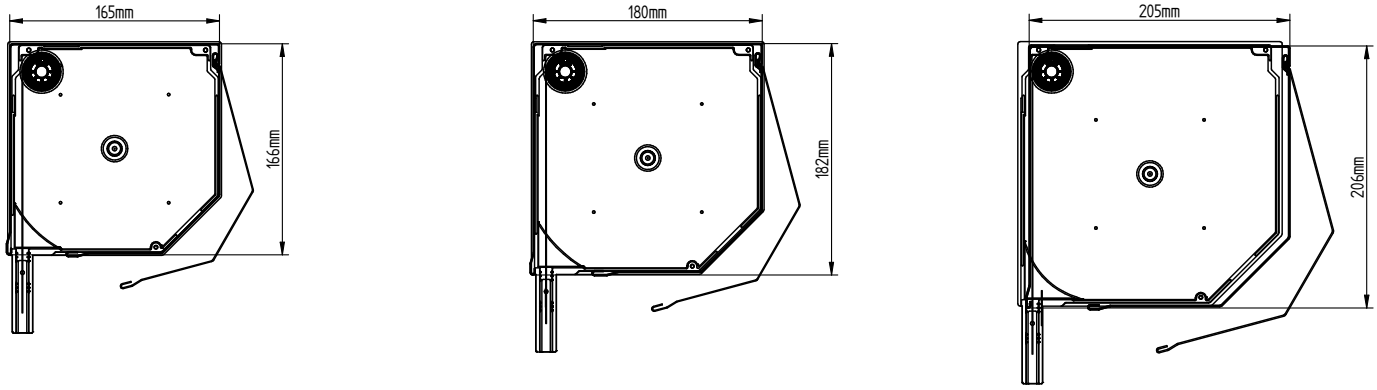


Maximum height including the box for the Protecta A roller shutter [mm]											
Box size	Curtain PA39				Curtain PA43			Curtain BP41R-0			
	SW40 + WB	**SW40**	**SW60 + WB**	**SW60**	**SW40**	**SW60**	**SW60 + WB**	**SW40 + WB**	**SW40**	**SW60 + WB**	**SW60**
137	1,560	1,600	1,440	1,210	1,410	930	1,150	1,560	1,560	1,440	1,210
165	2,390	2,470	2,280	2,120	2,500	2,110	2,320	2,390	2,390	2,280	2,120
180	2,950	3,020	2,790	2,630	2,980	2,590	2,800	2,950	2,950	2,790	2,630
205	4,320	4,210	4,050	3,780	4,020	3,630	3,850	4,210	4,210	4,050	3,780

SW – octagonal steel tube with an internal/external weld
WB – self-locking hanger

Box dimensions – Protecta A roller shutter with a mosquito screen

165 + MKT ⋮ **180 + MKT** ⋮ **205 + MKT**

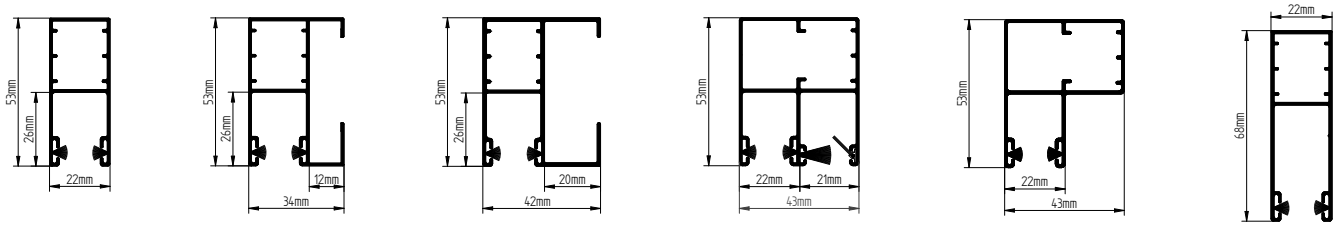


Maximum height including the box for the Protecta A roller shutter with a mosquito screen [mm]											
Box size	Curtain PA39				Curtain PA43			Curtain BP41R-0			
	SW40 + WB	**SW40**	**SW60 + WB**	**SW60**	**SW40**	**SW60**	**SW60 + WB**	**SW40 + WB**	**SW40**	**SW60 + WB**	**SW60**
165	1,700	1,690	1,600	1,650	1,600	1,330	1,510	1,700	1,690	1,600	1,650
180	1,700	1,700	1,700	1,700	2,460	2,120	1,900	1,700	1,700	1,700	1,700
205	1,700	1,700	1,700	1,700	2,500	2,500	2,500	1,700	1,700	1,700	1,700

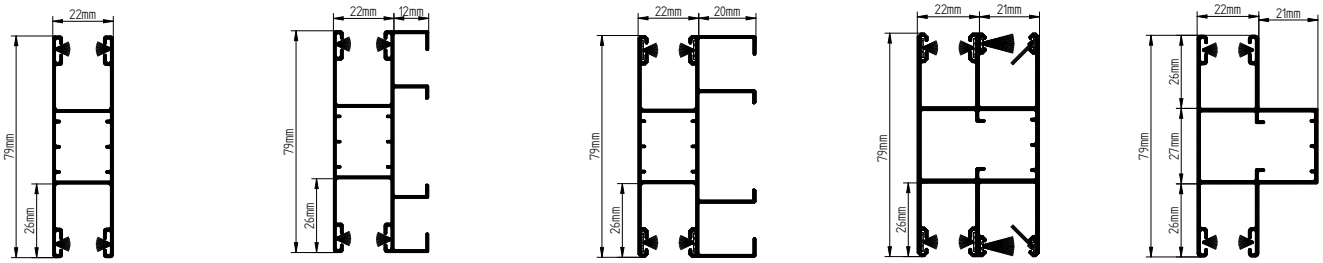
SW – octagonal steel tube with an internal/external weld
WB – self-locking hanger

Guide rail types

PP 53 ⋮ **PP 53/ODS** ⋮ **PK 53/ODS 20** ⋮ **PKDO 53** ⋮ **PPMO 53** ⋮ **PP 68**

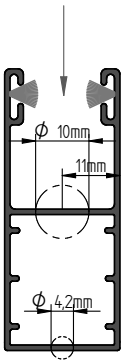


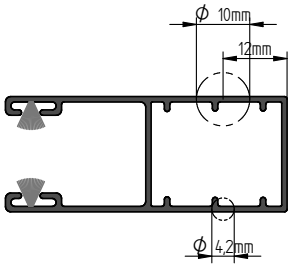
PPD 79 ⋮ **PPD 79 ODS** ⋮ **PPD 79/ODS/20/S** ⋮ **PPDO 79/S** ⋮ **PPDMO 79**

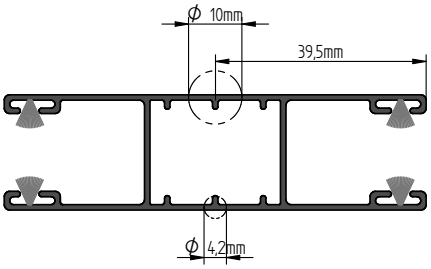


Guide rail drilling options

Drilling type “A”, from the side ⋮ **Drilling type “B”, from the face**

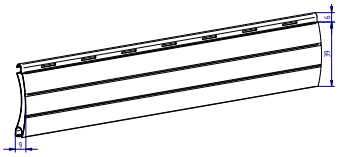


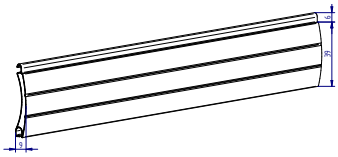


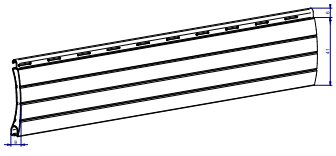


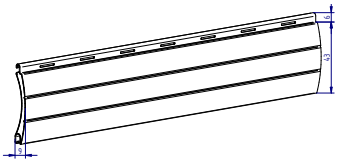
Curtain

PA 39 ⋮ **PA 39** ⋮ **PA 41** ⋮ **PA 43**

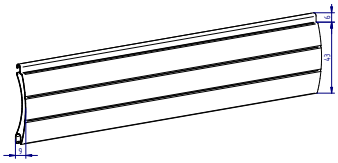








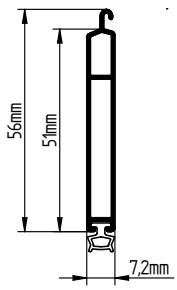
PA 43

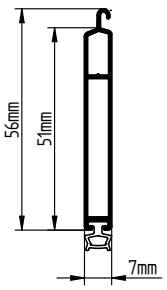


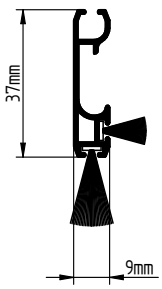
	Technical data		
	PA 39	**PA 43**	**BP41R-0**
Slat height	39 mm	43 mm	41 mm
Weight 1 m²	2.8 kg	2.6 kg	2.7 kg
Slats per metre of height	25.6 pieces	23.2 pieces	24.4 pieces
Max. roller shutter surface	6 m²	9 m²	6.5 m²

End slats

LDG ⋮ **LDG-E** ⋮ **LDSM MKT**





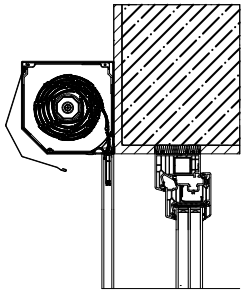


The type of end slats depends on the colour																				
Colour / Slat	00	01	02	03	05	08	09	20	23	23R	28	28R	30	30R	34	40	43	52R	53R	79R
LDG	x	x	x	x	-	x	x	-	x	x	-	x	-	x	x	x	x	x	x	-
LDG-E	x	-	-	-	-	-	-	x	-	-	x	-	x	-	-	-	-	-	-	x
LDSM MKT	x	x	x	x	x	x	x	-	x	-	-	x	x	x	-	-	-	x	-	-

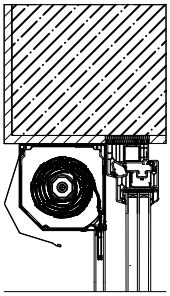
Default roller shutters configuration in golden oak and walnut colour				
PROTECTA A				
Roller shutter type	**Curtain**	**Guide rails**	**End slat**	**Revision**
Walnut	Aluprof 28 - varnish	Aluprof 28 - varnish	Aluprof 28 - varnish	Aluprof 28 - varnish
Golden oak	Aluprof 30 - varnish	Aluprof 30 - varnish	Aluprof 30 - varnish	Aluprof 30 - varnish

Protecta A system roller shutter installation methods

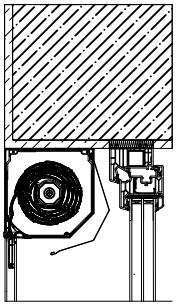
Wall installation
wound outside (anticlockwise)



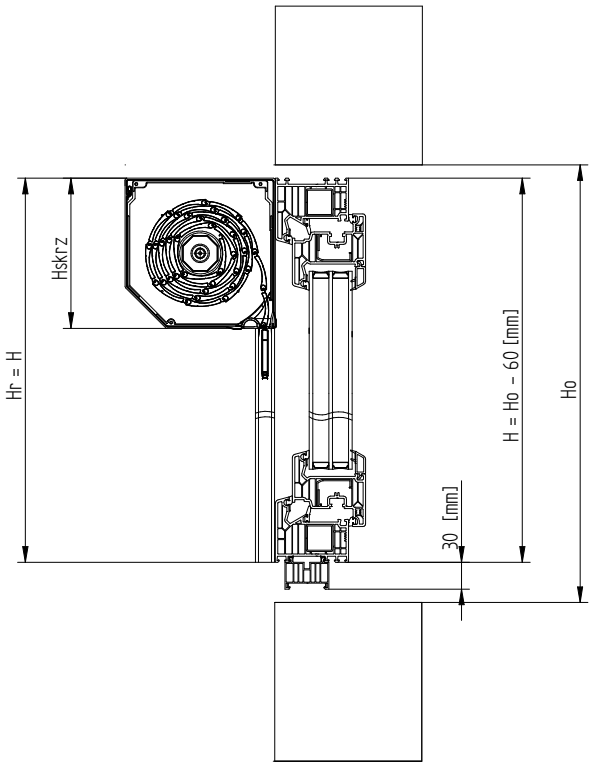
Recess installation
wound outside (anticlockwise)

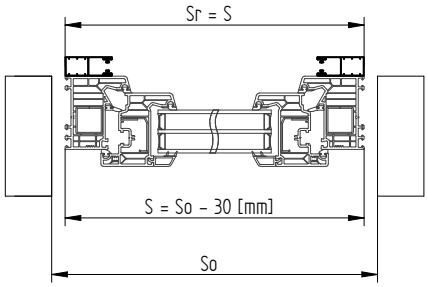


Recess installation
wound inside (clockwise)



Dimensioning roller shutters, Protecta A, recess installation





Colours

CURTAIN	
Standard colours	
Silver	**01**
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Black	**20**
Light grey	**31**
Basalt grey	**33**
Quartz grey	**34**
Concrete grey	**35**
Dark Oak	**36**
Grey aluminium	**37**
White pearl mat*	**40**
Anthracite grey pearl mat*	**43**
Turner oak*	**49**
Winchester	**52**
Bleached oak*	**79**
Woodec Turner Oak Malt**	**-**
Woodec Turner Oak Toffee**	**-**
Metalic grey*	**75**
Steel blue	**18**
Green	**13**

END SLAT	
Standard colours	
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Silver	**01**
Black	**20**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
Quartz grey	**34**
White pearl mat	**40**
Anthracite grey pearl mat	**43**
Winchester	**52R**
Dark Oak	**53R**
Bleached oak	**79R**
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Anthracite Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**
Green 600505	**-**

TRACKS	
Standard colours	
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Silver	**01**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
White pearl mat	**40**
Anthracite grey pearl mat	**43**
Winchester	**52R**
Dark Oak	**53R**
Bleached oak	**79R**
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Anthracite Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**
Green 600505	**-**
RAL 9007	**-**

BOX	
Standard colours	
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Silver	**01**
Golden Oak	**30R**
Quartz grey	**34**
Winchester	**52R**
Dark Oak	**53R**
RAL 9007	**-**
RAL 9006	**-**
RAL 9005	**-**
RAL 7039	**-**
RAL 7023	**-**
RAL 7012	**-**
RAL 8003	**-**
RAL 1013	**-**
RAL 7038	**-**
RAL 7016	**-**
RAL 7024	**-**
RAL 1001	**-**
RAL MODERN GRAPHITE	**-**
RAL 8014	**-**
RAL MODERN BLACK	**-**
RAL ANTHRACITE	**-**
RAL 7047	**-**
RAL 5011	**-**
RAL 7035	**-**

END SLAT	
Standard colours	
RAL 9007	-
RAL 9006	-
RAL 9005	-
RAL 7039	-
RAL 7023	-
RAL 7012	-
RAL 8003	-
RAL 1013	-
RAL 7038	-
RAL 7016	-
RAL 7024	-
RAL 1001	-
RAL MODERN GRAPHITE	-
RAL 8014	-
RAL MODERN BLACK	-
RAL ANTHRACITE	-
RAL 7047	-
RAL 5011	-
RAL 7035	-

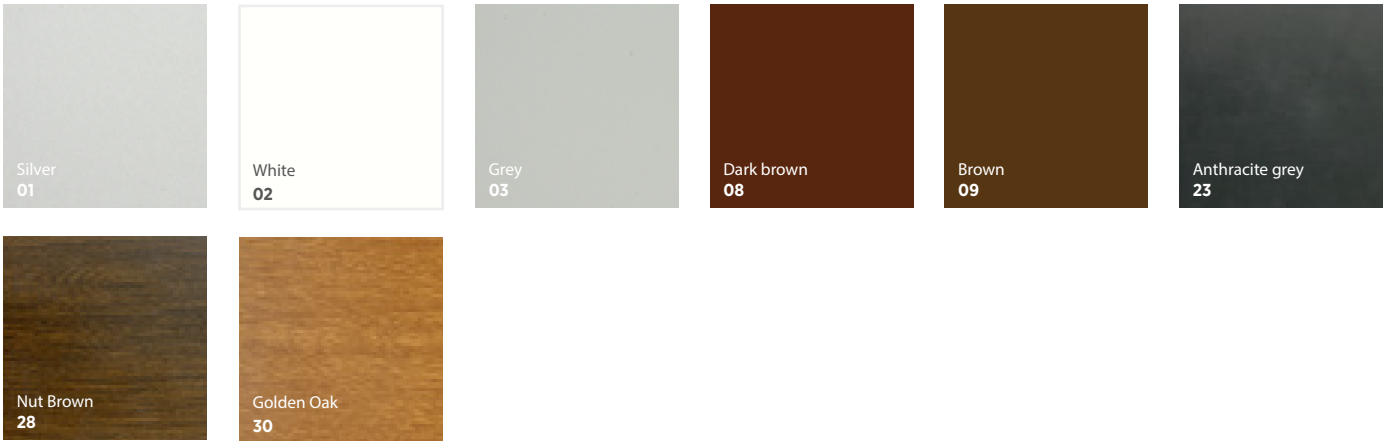
TRACKS	
Standard colours	
RAL 9006	-
RAL 9005	-
RAL 7039	-
RAL 7023	-
RAL 7012	-
RAL 8003	-
RAL 1013	-
RAL 7038	-
RAL 7016	-
RAL 7024	-
RAL 1001	-
RAL MODERN GRAPHITE	-
RAL 8014	-
RAL MODERN BLACK	-
RAL ANTHRACITE	-
RAL 7047	-
RAL 5011	-
RAL 7035	-

PLEASE NOTE

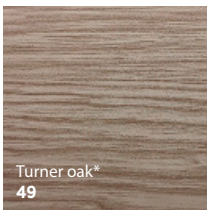
Curtain colours marked with the asterisk symbol * are not available with the PA43 curtain.
Guide rail colours include the standard guide rails PP53/S and PPD79/S.
Curtain colours marked with the double asterisk symbol ** are only available with the BP41R-0 curtain.

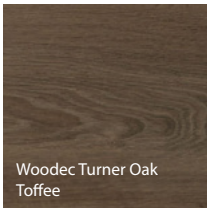
The colour hue of the film coating of roller shutters and window joinery may differ.

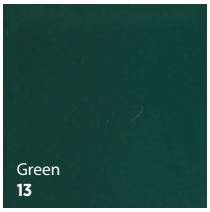
Curtain – standard colours



Curtain – special colours







PROTECTA P ROLLER SHUTTERS

Technical information

The Protecta P roller shutters are a roller shutter system in which the access cover and the guide rails are made of aluminium. The curtain comprises profiles made of aluminium sheet infilled with freon-free polyurethane foam and finished with an end slat. The curtain sheet is covered with two layers of paint, which improves the curtain's resistance to abrasion, scratches, and the weather conditions.

This system is intended for new buildings and requires proper preparation of the lintel. It can also be installed in already built buildings, but requires certain modifications to me made to the lintel. Before the box installation, the area between the rear wall of the box and the lintel must be insulated, which decreases the risk of a thermal bridge being created. The flush-mounted roller shutter box is designed so that its surface can be covered with a layer of thermal insulation material. With this solution, the flush-mounted roller shutter box becomes a concealed element of the building façade.

The access cover, usually matched with the window colour, is located on the outer side of the building and provides easy access to the inside of the box for servicing. Thanks to the option to integrate the Protecta P roller shutters with a mosquito screen, the home interior is not only protected against high solar exposure in the summer and loss of heat in the winter, but the roller shutters also ensure effective protection against insects.

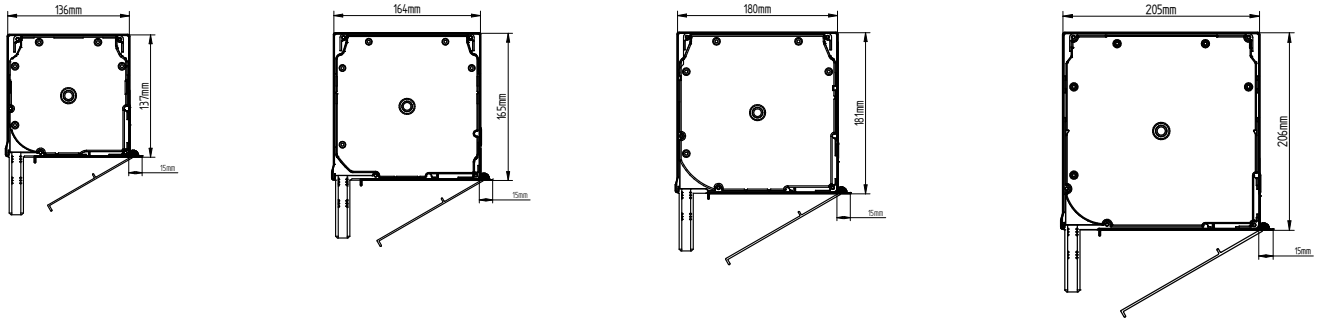
Structure of the Protecta P roller shutter

Standard accessories

- 6 non-perforated slats from the top
- steel/PVC soft hangers with felt
- end slat 51 mm high
- end slat caps with a fixed bumper
- guide rails with a brush seal
- guide caps
- access cover fixed with rivets
- the top end position is set in the power operated version
- rubber cable gland
- cord winder in colour: white / brown
- plaster bracket for covering 15 mm

Box sizes – Protecta P roller shutter

137 ⋮ 165 ⋮ 180 ⋮ 205

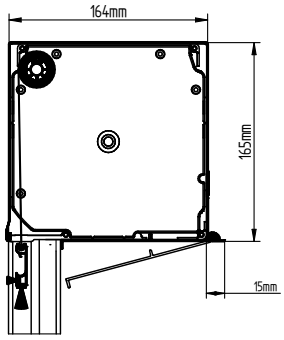


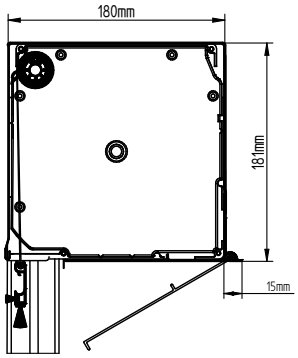
Maximum height including the box for the Protecta P roller shutter [mm]											
Box size	Curtain PA39				Curtain PA43			Curtain BP41R-0			
	SW40 + WB	**SW40**	**SW60 + WB**	**SW60**	**SW40**	**SW60**	**SW60 + WB**	**SW40 + WB**	**SW40**	**SW60 + WB**	**SW60**
137	1,560	1,600	1,440	1,210	1,410	930	1,150	1,560	1,560	1,440	1,210
165	2,390	2,470	2,280	2,120	2,500	2,110	2,320	2,390	2,390	2,280	2,120
180	2,950	3,020	2,790	2,630	2,980	2,590	2,800	2,950	2,950	2,790	2,630
205	4,320	4,210	4,050	3,780	4,020	3,630	3,850	4,210	4,210	4,050	3,780

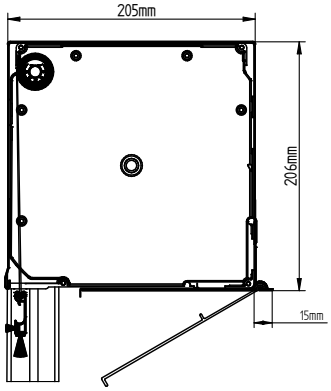
SW – octagonal steel tube with an internal/external weld
WB – self-locking hanger

Box dimensions – Protecta P roller shutter with a mosquito screen

165 + MKT ⋮ **180 + MKT** ⋮ **205 + MKT**





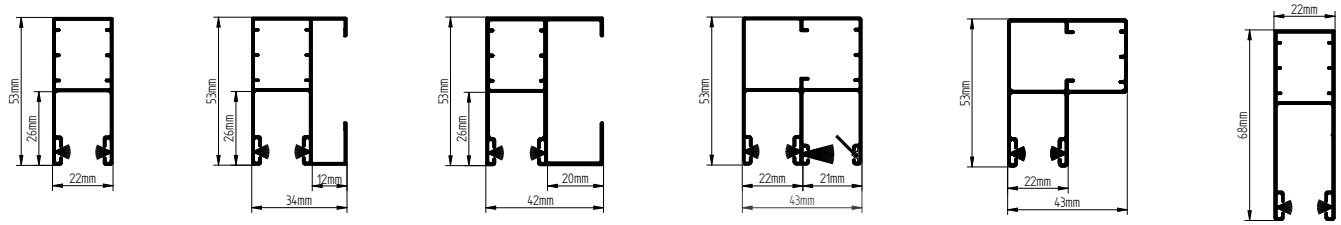


Maximum height including the box for the Protecta P roller shutter with a mosquito screen [mm]											
Box size	Curtain PA39				Curtain PA43			Curtain BP41R-0			
	SW40 + WB	**SW40**	**SW60 + WB**	**SW60**	**SW40**	**SW60**	**SW60 + WB**	**SW40 + WB**	**SW40**	**SW60 + WB**	**SW60**
165	1,700	1,690	1,600	1,650	1,600	1,330	1,510	1,700	1,690	1,600	1,650
180	1,700	1,700	1,700	1,700	2,460	2,120	1,900	1,700	1,700	1,700	1,700
205	1,700	1,700	1,700	1,700	2,500	2,500	2,500	1,700	1,700	1,700	1,700

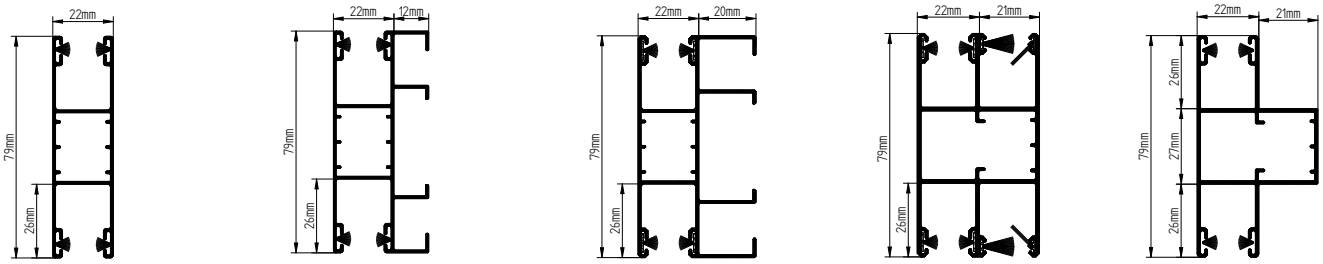
SW – octagonal steel tube with an internal/external weld
WB – self-locking hanger

Guide rail types

PP 53 ⋮ **PP 53/ODS** ⋮ **PK 53/ODS 20** ⋮ **PKDO 53** ⋮ **PPMO 53** ⋮ **PP 68**

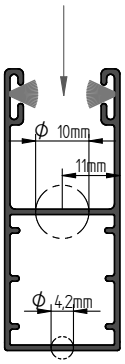


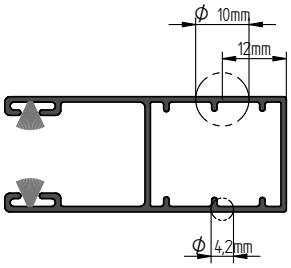
PPD 79 ⋮ **PPD 79 ODS** ⋮ **PPD 79/ODS/20/S** ⋮ **PPDO 79/S** ⋮ **PPDMO 79**

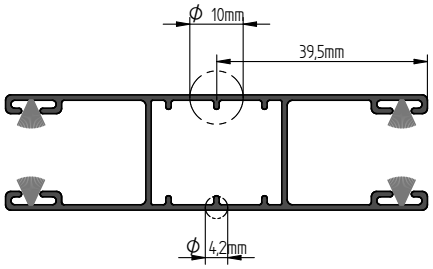


Guide rail drilling options

Drilling type “A”, from the side ⋮ **Drilling type “B”, from the face**

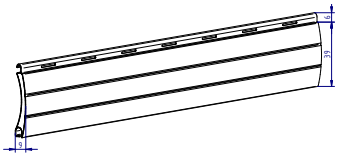


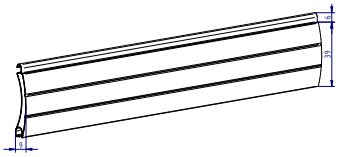


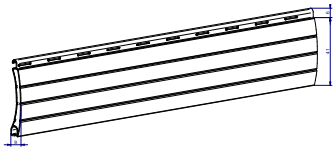


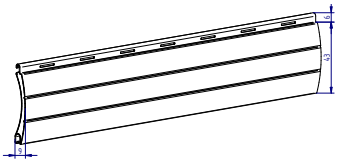
Curtain

PA 39 ⋮ **PA 39** ⋮ **PA 41** ⋮ **PA 43**

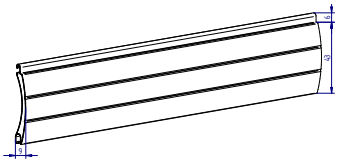








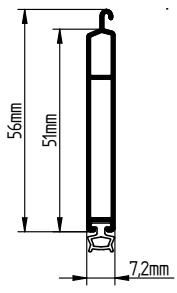
PA 43

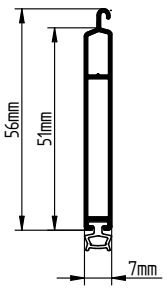


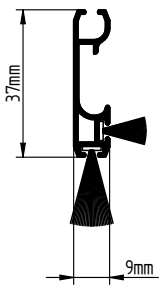
	Technical data		
	PA 39	**PA 43**	**BP41R-0**
Slat height	39 mm	43 mm	41 mm
Weight 1 m²	2.8 kg	2.6 kg	2.7 kg
Slats per metre of height	25.6 pieces	23.2 pieces	24.4 pieces
Max. roller shutter surface	6 m²	9 m²	6.5 m²

End slats

LDG ⋮ **LDG-E** ⋮ **LDSM MKT**







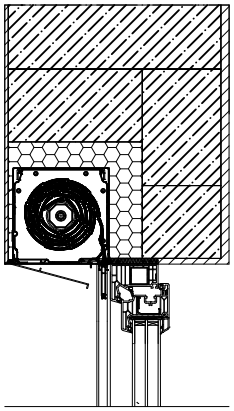
The type of end slats depends on the colour																				
Colour / Slat	00	01	02	03	05	08	09	20	23	23R	28	28R	30	30R	34	40	43	52R	53R	79R
LDG	x	x	x	x	-	x	x	-	x	x	-	x	-	x	x	x	x	x	x	-
LDG-E	x	-	-	-	-	-	-	x	-	-	x	-	x	-	-	-	-	-	-	x
LDSM MKT	x	x	x	x	x	x	x	-	x	-	-	x	x	x	-	-	-	x	-	-

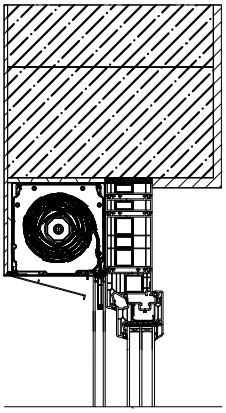
Default roller shutters configuration in golden oak and walnut colour				
PROTECTA P				
Roller shutter type	**Curtain**	**Guide rails**	**End slat**	**Revision**
Walnut	Aluprof 28 - varnish	Aluprof 28 - varnish	Aluprof 28 - varnish	Veneer 2178007
Golden oak	Aluprof 30 - varnish	Aluprof 30 - varnish	Aluprof 30 - varnish	Veneer 2178001

Protecta P system roller shutter installation methods

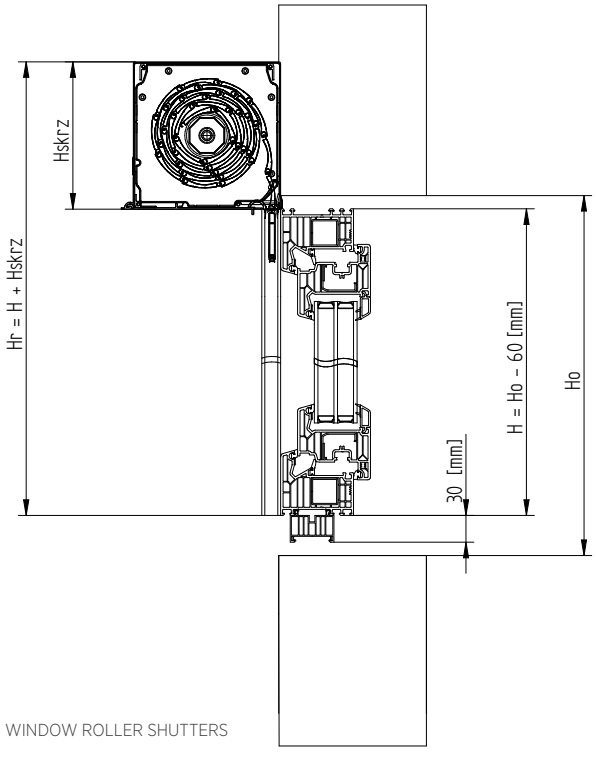
Installation in the lintel
Specially prepared lintel

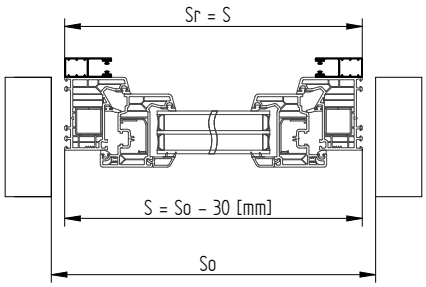
Installation on the widening





Dimensioning roller shutters, Protecta P lintel installation





Colours

CURTAIN	
Standard colours	
Silver	**01**
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Black	**20**
Light grey	**31**
Basalt grey	**33**
Quartz grey	**34**
Concrete grey	**35**
Dark Oak	**36**
Grey aluminium	**37**
White pearl mat*	**40**
Anthracite grey pearl mat*	**43**
Turner oak*	**49**
Winchester	**52**
Bleached oak*	**79**
Woodec Turner Oak Malt**	**-**
Woodec Turner Oak Toffee**	**-**
Metalic grey*	**75**
Steel blue	**18**
Green	**13**

END SLAT	
Standard colours	
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Silver	**01**
Black	**20**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
Quartz grey	**34**
White pearl mat	**40**
Anthracite grey pearl mat	**43**
Winchester	**52R**
Dark Oak	**53R**
Bleached oak	**79R**
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Anthracite Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**

TRACKS	
Standard colours	
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Silver	**01**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
White pearl mat	**40**
Anthracite grey pearl mat	**43**
Winchester	**52R**
Dark Oak	**53R**
Bleached oak	**79R**
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Anthracite Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**
Green 600505	**-**
RAL 9007	**-**

ACCESS COVER	
Standard colours	
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28R**
Golden Oak	**30R**
Special colours	
Silver	**01**
Anthracite Grey	**23R**
Basalt grey	**33**
White pearl mat	**40**
Anthracite grey pearl mat	**43**
Winchester	**52R**
Dark Oak	**53R**
Bleached oak***	**79R**
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Anthracite Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**
Green 600505	**-**
RAL 9007	**-**
RAL 9006	**-**

END SLAT	
Special colours	
Green 600505	-
RAL 9007	-
RAL 9006	-
RAL 9005	-
RAL 7039	-
RAL 7023	-
RAL 7012	-
RAL 8003	-
RAL 1013	-
RAL 7038	-
RAL 7016	-
RAL 7024	-
RAL 1001	-
RAL MODERN GRAPHITE	-
RAL 8014	-
RAL MODERN BLACK	-
RAL ANTHRACITE	-
RAL 7047	-
RAL 5011	-
RAL 7035	-

TRACKS	
Special colours	
RAL 9006	-
RAL 9005	-
RAL 7039	-
RAL 7023	-
RAL 7012	-
RAL 8003	-
RAL 1013	-
RAL 7038	-
RAL 7016	-
RAL 7024	-
RAL 1001	-
RAL MODERN GRAPHITE	-
RAL 8014	-
RAL MODERN BLACK	-
RAL ANTHRACITE	-
RAL 7047	-
RAL 5011	-
RAL 7035	-

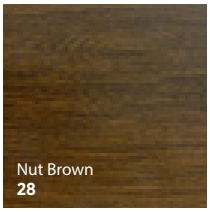
ACCESS COVER	
Special colours	
RAL 9005	-
RAL 7039	-
RAL 7023	-
RAL 7012	-
RAL 8003	-
RAL 1013	-
RAL 7038	-
RAL 7016	-
RAL 7024	-
RAL 1001	-
RAL MODERN GRAPHITE	-
RAL 8014	-
RAL MODERN BLACK	-
RAL ANTHRACITE	-
RAL 7047	-
RAL 5011	-
RAL 7035	-

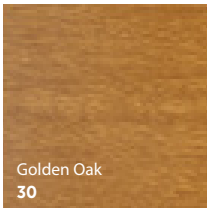
PLEASE NOTE

Curtain colours marked with the asterisk symbol * are not available with the PA43 curtain.
Guide rail colours include the standard guide rails PP53/S and PPD79/S.
Curtain colours marked with the double asterisk symbol ** are only available with the BP41R-0 curtain.
***** except box size 205 mm**

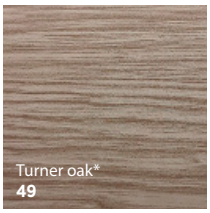
The colour hue of the film coating of roller shutters and window joinery may differ.

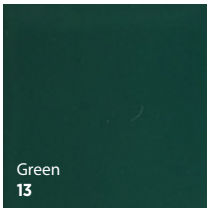
Curtain – standard colours





Curtain – special colours





PROTECTA N ROLLER SHUTTERS

Technical information

The Protecta N roller shutters are a system of roller shutters where the box and the guide rails are made of PVC. The curtain is made up of profiles from aluminium sheet infilled with freon-free polyurethane foam and finished with an end slat. The curtain sheet is covered with two layers of paint, which improves the curtain's resistance to abrasion, scratches, and the weather conditions.

Top-mount roller shutters can be installed both in newly built buildings, as well as in renovated buildings when the window joinery is replaced. The roller shutter box is seated on the window using a special adaptation profile, the guide rails are screwed directly to the window frame, and then this combination is installed and anchored as a single structure in the window opening. The height of the window in relation to the window opening should be decreased by the height of the top-mount roller shutter box. The inside of the box is additionally insulated with expanded polystyrene for improved thermal insulation. The boxes can be installed from the outside and from the inside of the room, which makes them an integral part of the inside or the façade of the building.

The access door is located inside the room, and the broad range of colours makes it possible to match it with the window colour.

Thanks to the option to integrate the Protecta N roller shutters with a mosquito screen, the home interior is not only protected against high solar exposure in the summer and loss of heat in the winter, but the roller shutters also ensure effective protection against insects.

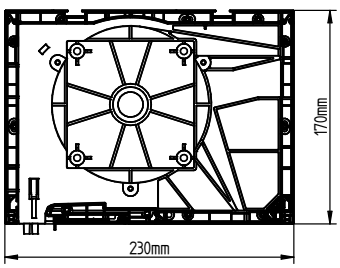
Structure of the Protecta N roller shutter

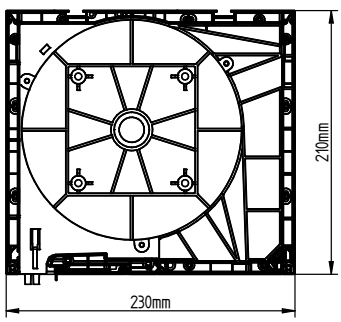
Standard accessories

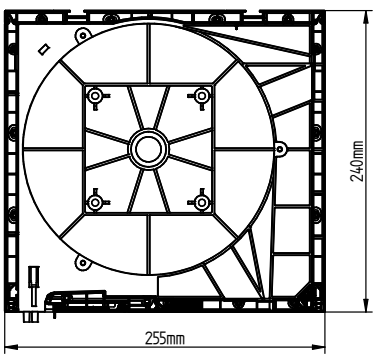
- 6 non-perforated slats from the top
- steel/PVC soft hangers with felt
- end slat 51 mm high
- end slat conical stoppers 30mm, with MKT 18 mm
- PVC guide rails with a brush seal
- Guide rails can be cut at a 5° angle
- installation anchors
- side cover and window frame connector
- extruded polystyrene thermal insulation
- the top end position is set in the power operated version
- rubber cable gland
- tape winder in colour: white / brown

Box sizes – Protecta N roller shutter

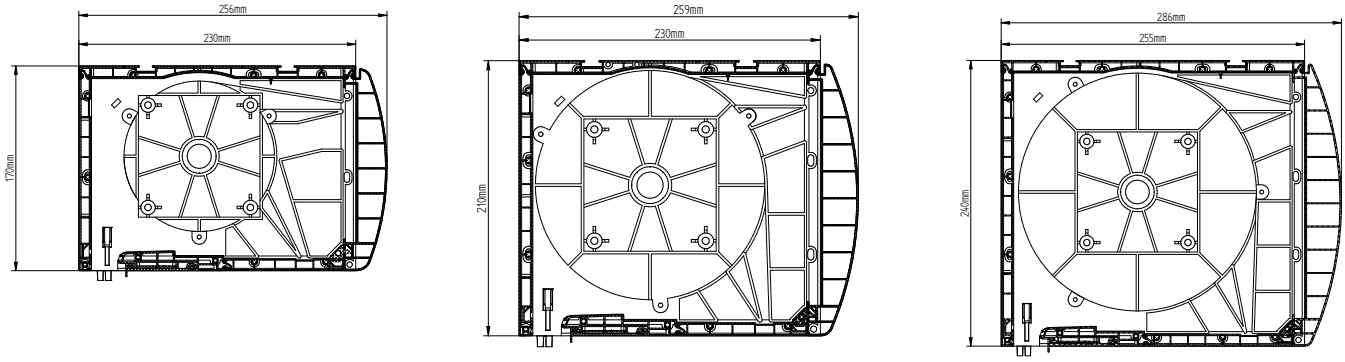
230/170 | 230/210 | 255/240







230/170 rounded ⋮ 230/210 rounded ⋮ 255/240 rounded

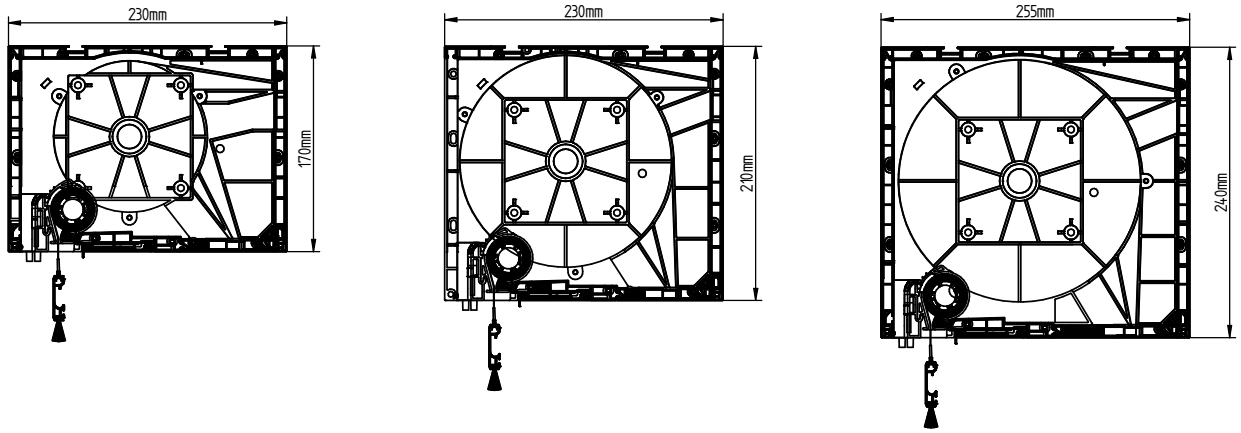


Maximum height including the box for the Protecta N roller shutter [mm]							
Box size	Curtain PA39				Curtain PA43		
	SW40 + WB	**SW40**	**SW60 + WB**	**SW60**	**SW40**	**SW60**	**SW60 + WB**
230/170 (OC)	1,890	1,690	1,730	1,570	1,720	1,590	1,460
230/210 (OC)	3,230	3,310	3,270	3,040	3,120	3,080	3,250
255/240 (OC)	4,460	4,770	4,460	4,420	4,680	4,210	4,420

SW – octagonal steel tube with an internal/external weld
WB – self-locking hanger
OC – box thermal insulation (expanded polystyrene)

Box dimensions – Protecta N roller shutter with a mosquito screen

MKT 230/170 ⋮ MKT 230/210 ⋮ MKT 255/240

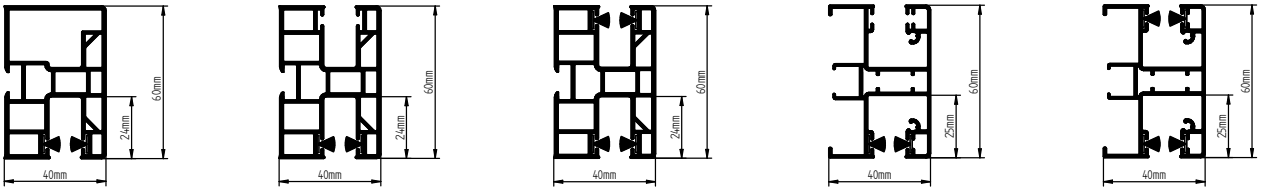


Maximum height including the box for the Protecta N roller shutter with a mosquito screen [mm]							
Box size	Curtain PA39				Curtain PA43		
	SW40 + WB	**SW40**	**SW60 + WB**	**SW60**	**SW40**	**SW60**	**SW60 + WB**
230/170 (OCM)	1,600	1,460	1,220	1,260	1,460	1,250	1,290
230/210 (OCM)	1,700	1,700	1,700	1,700	1,700	1,700	1,700
255/240 (OCM)	1,700	1,700	1,700	1,700	1,700	1,700	1,700

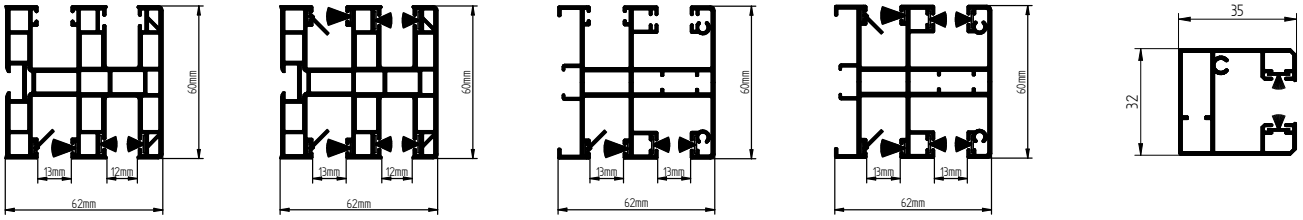
SW – octagonal steel tube with an internal/external weld
WB – self-locking hanger
OCM – thermal insulation of a box with a mosquito screen (expanded polystyrene)

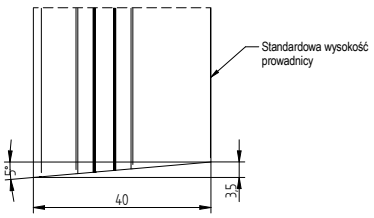
Guide rail types

PP 60/12 ⋮ **PPD 60/12** ⋮ **PPD-P 60/12** ⋮ **PPDA 60/12** ⋮ **PPDA-P 60/12**



PPDMW 60/12 ⋮ **PPDMW-P 60/12** ⋮ **PPDAMW 60/12** ⋮ **PPDAMW-P 60/12** ⋮ **PPAMB 35/12**

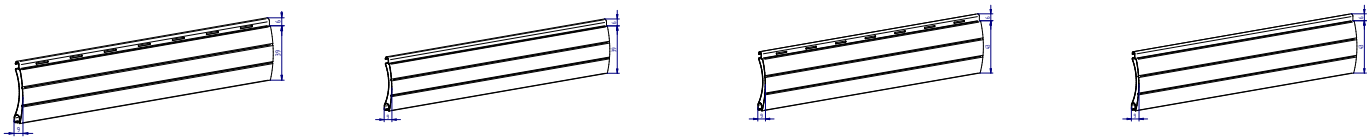




When the option to cut the guide rails at a 5° angle is selected, the rear wall of the guide rile will be cut to standard length, while the length of the front wall will be extended by 3.5 [mm].

Curtain

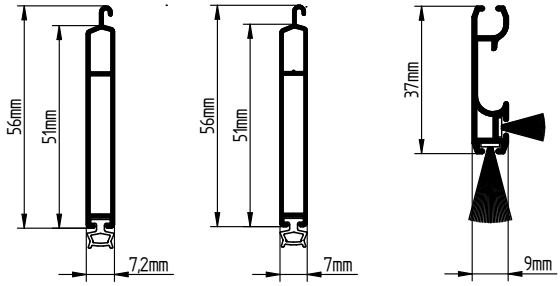
PA 39 ⋮ PA 39 ⋮ PA 43 ⋮ PA 43



	Technical data	
	PA 39	**PA 43**
Slat height	39 mm	43 mm
Weight 1 m²	2.8 kg	2.6 kg
Slats per metre of height	25.6 pieces	23.2 pieces
Max. roller shutter surface	6 m²	9 m²

End slats

LDG ⋮ LDG-E ⋮ LDSM MKT

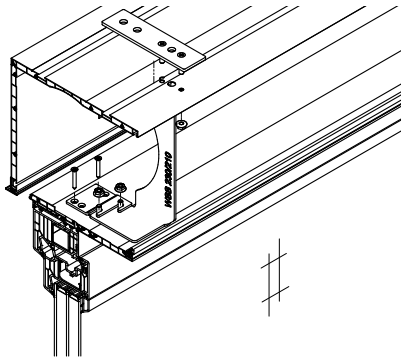


The type of end slats depends on the colour																			
Slat \ Colour	**00**	**01**	**02**	**03**	**05**	**08**	**09**	**20**	**23**	**23R**	**28**	**28R**	**30**	**30R**	**34**	**40**	**43**	**52R**	**53R**	**79R**
LDG	x	x	x	x	-	x	x	-	x	x	-	x	-	x	x	x	x	x	x	-
LDG-E	x	-	-	-	-	-	-	x	-	-	x	-	x	-	-	-	-	-	-	x
LDSM MKT	x	x	x	x	x	x	x	-	x	-	-	x	x	x	-	-	-	x	-	-

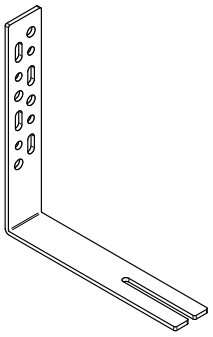
Default roller shutters configuration in golden oak and walnut colour				
PROTECTA N				
Roller shutter type	**Curtain**	**Guide rails**	**End slat**	**Revision**
Walnut	Aluprof 28 - varnish	Veneer 2178007	Veneer 2178007	Veneer 2178007
Golden oak	Aluprof 30 - varnish	Veneer 2178001	Veneer 2178001	Veneer 2178001

WSS reinforcement

Quantity of WSS reinforcement pieces depending on the roller shutter width									
Quantity of WSS reinforcement pieces		**pcs.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Window width	PVC	mm	1,401-2,100	2,101-2,800	2,801-3,500	3,501-4,200	4,201-4,900	4,901-5,600	5,601-6,000
	Aluminium/ wood	mm	1,601-2,400	2,401-3,200	3,201-4,000	4,001-4,800	4,801-5,600	5,601-6,000	-
	Sliding	mm	1,001-1,500	1,501-2,000	2,001-2,500	2,501-3,000	3,001-3,500	3,501-4,000	4,001-4,500

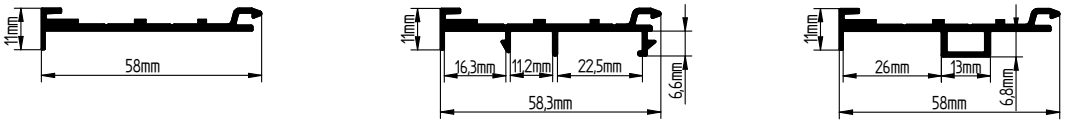


Mounting plate



Adaptation profiles

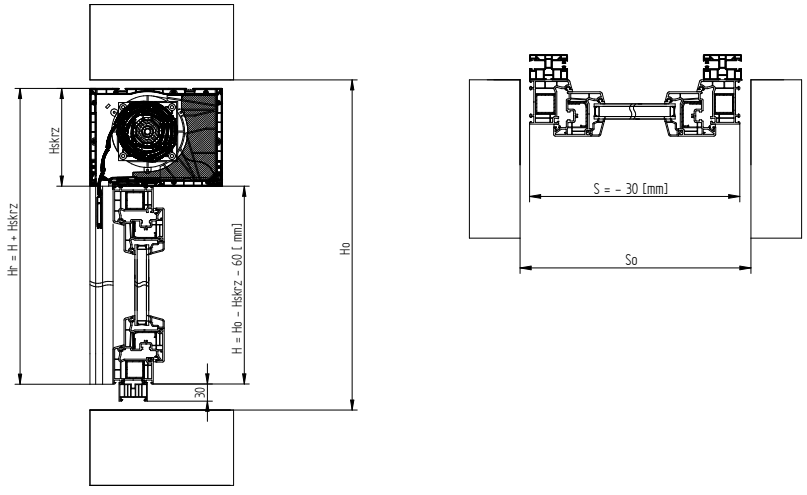
PSA | **PSAW/6.7** | **PSAW/6.8**



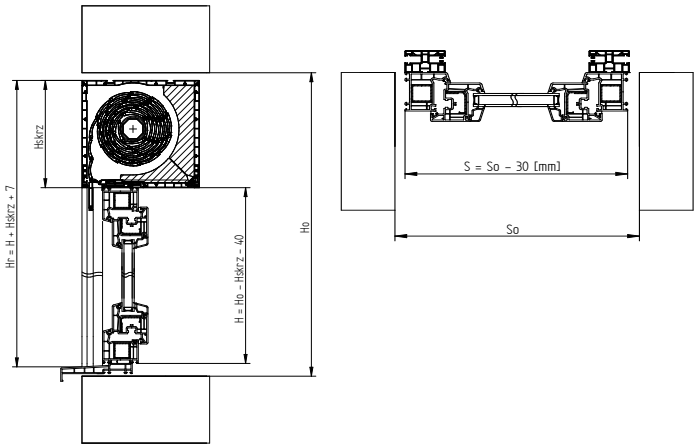
System	Adapter
PRIMO 82 Windows	PSAW/6.7
Primo 82 HST Skymotion	PSAW/6.7
PRIMO 76 Windows	PSAW/6.7
Primo 76 Renovation frame 101.359	PSA
Primo 70 Standard frame	PSAW/6.7
Primo 70 Renovation frames	PSA
Primo 70 Monoblock frames	PSA
Develo	PSAW/6.8

Dimensioning the Protecta N roller shutters with fully exposed installation or installation on the frames

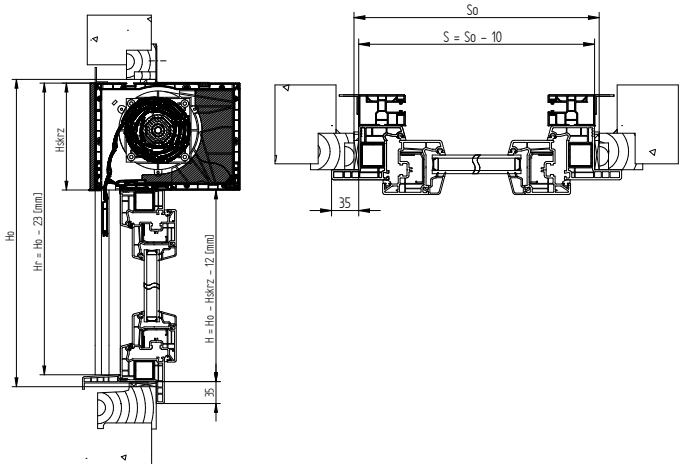
For the PRIMO 70 window, fully exposed



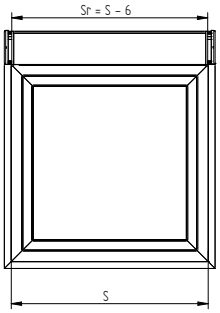
Assembly 110.105 with roller blind



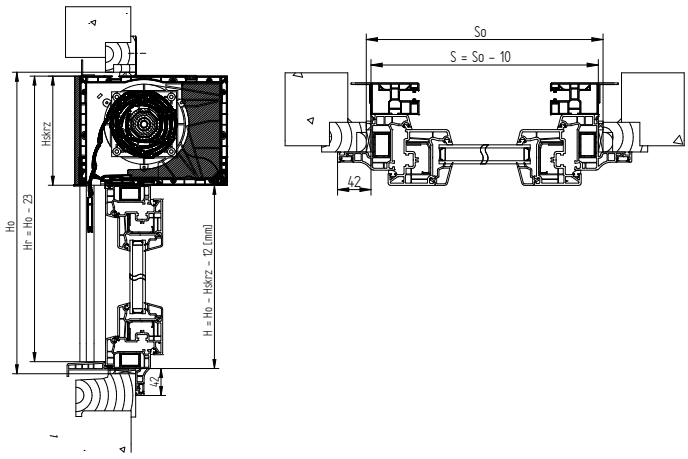
Assembly 101.218 with roller blind



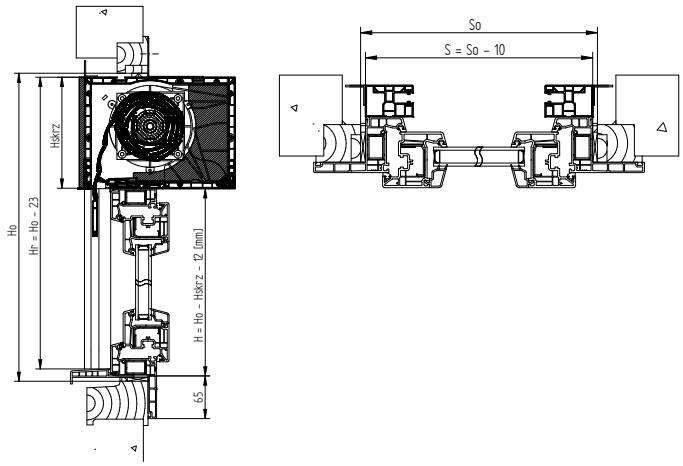
External view of window + roller shutter - Dimensioning for tapee



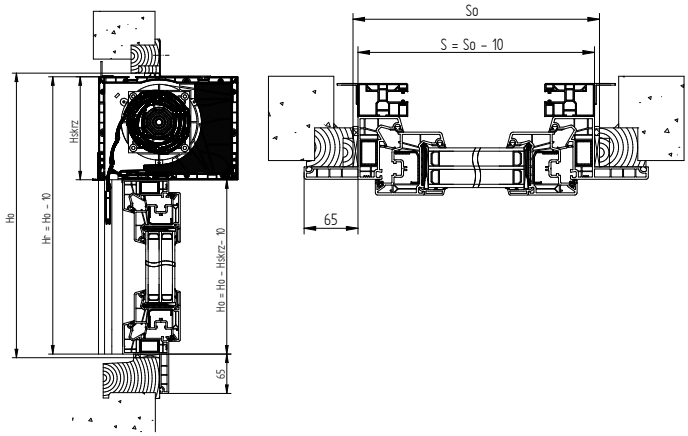
Assembly 101.043 with roller blind



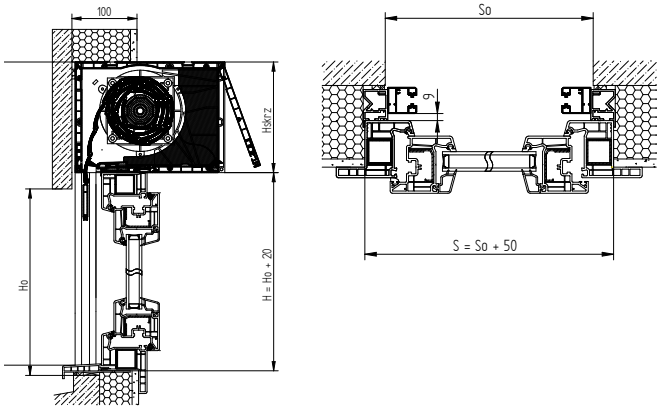
Assembly 101.053 with roller blind



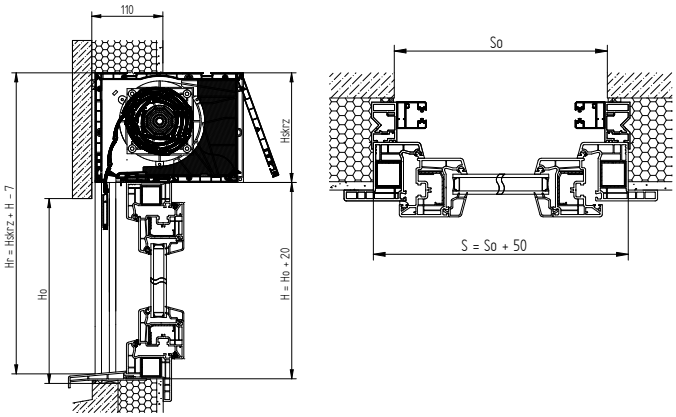
Assembly 101.359 with roller blind



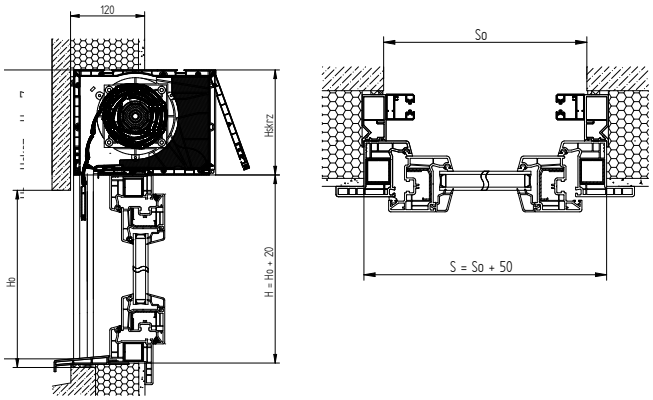
ISO 100



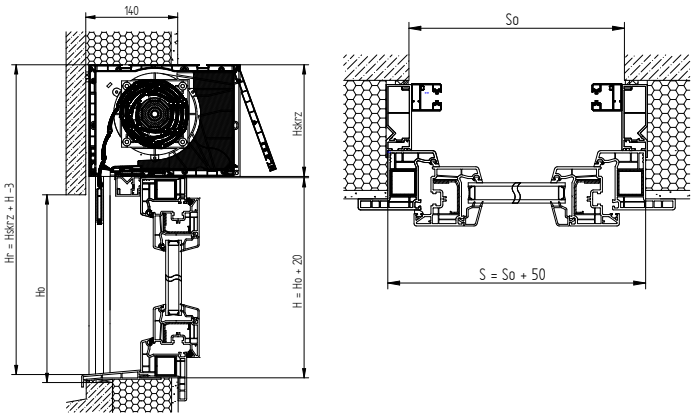
ISO 110



ISO 120

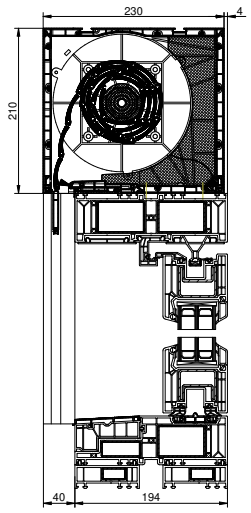


ISO 140

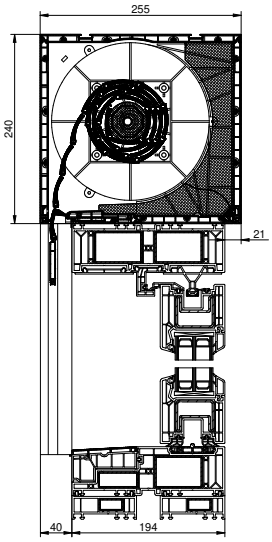


Installation of Protecta N roller shutter on HST

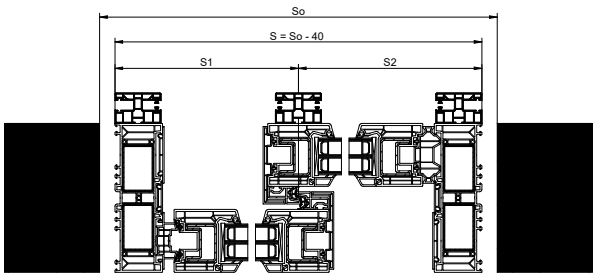
Protecta N 230x210



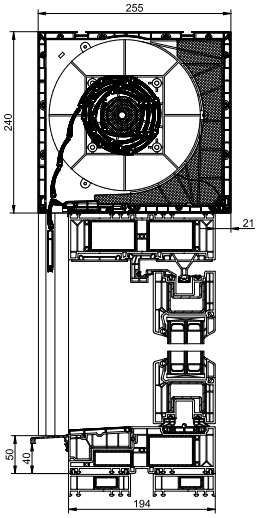
Protecta N 255x240



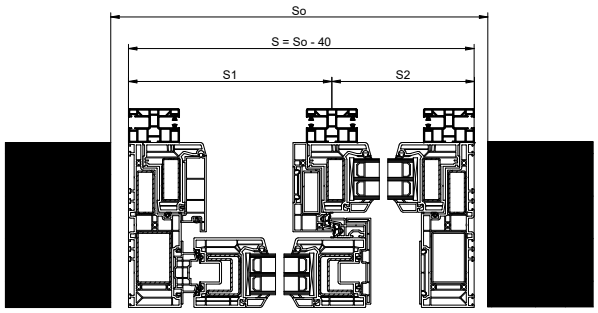
HST VEKAMOTION + roller shutter division - horizontal cross-section



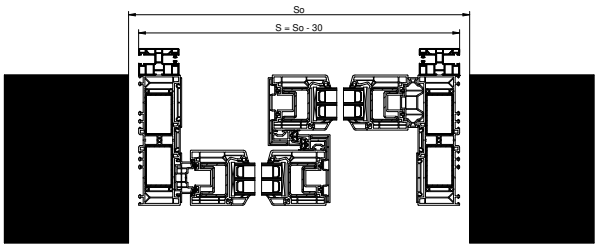
HST VEKAMOTION + box 240 vertical section



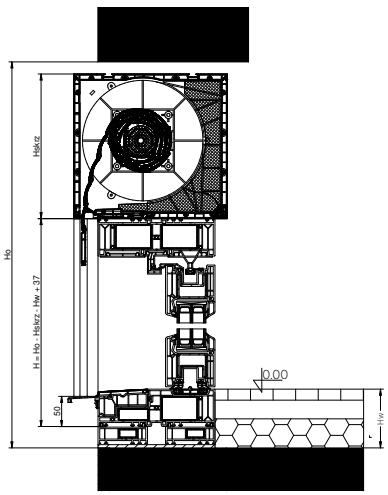
HST VEKAMOTION Max + roller shutter division - horizontal cross-section



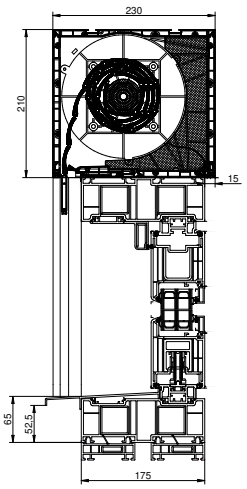
HST VEKAMOTION + roller shutter Horizontal dimensioning



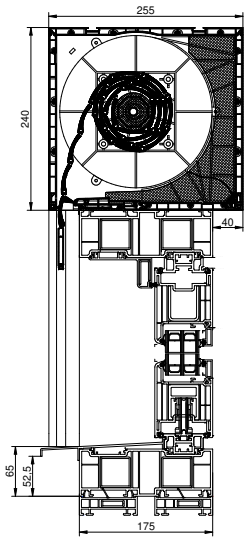
HST VEKAMOTION + roller shutter Dimensioning



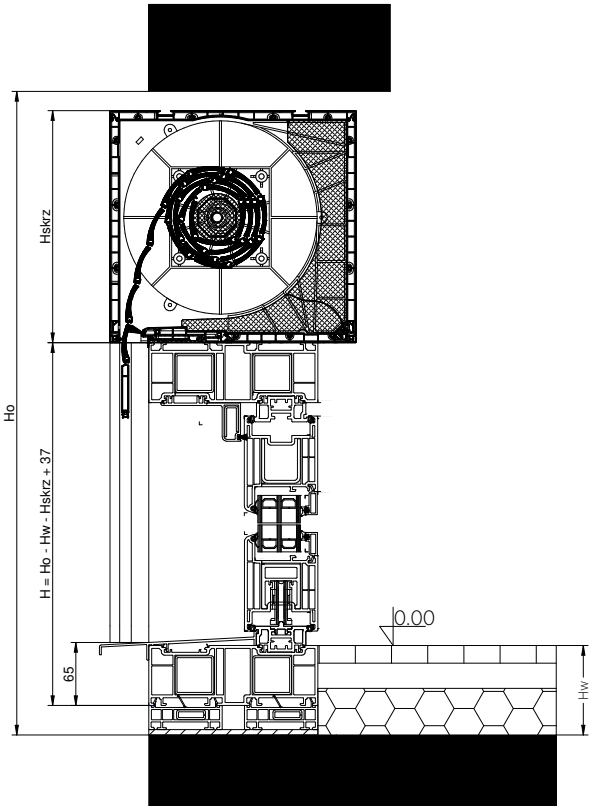
HST Develo + box 210 vertical section



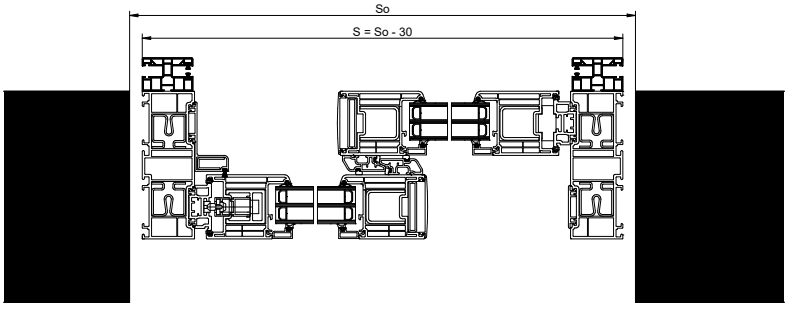
HST Develo + box 240 vertical section



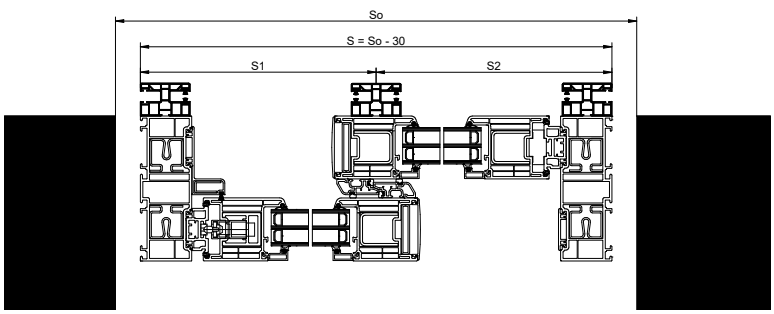
HST Develo + roller shutter Dimensioning



HST Develo + roller shutter Horizontal dimensioning

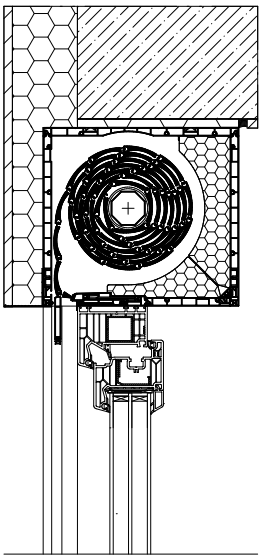


HST Develo+ roller shutter - horizontal dimensioning

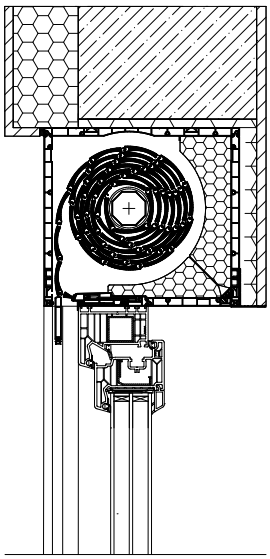


Protecta N system roller shutter installation methods

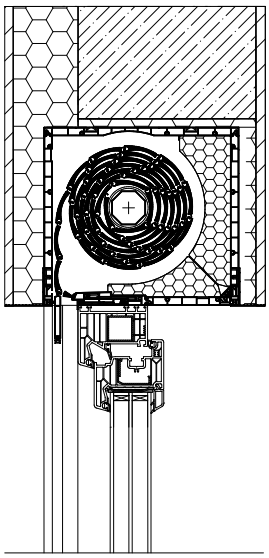
Roller shutter box covered from the outside, access cover from the bottom or front



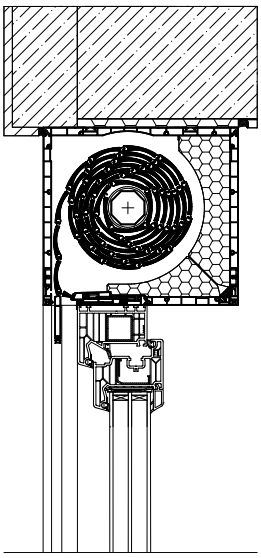
Roller shutter box covered from the inside, access cover from the bottom



Roller shutter box covered from the outside and inside, access cover from the bottom

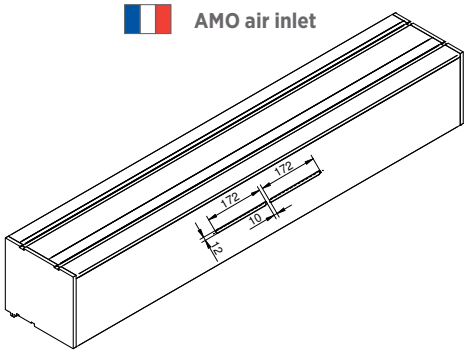


Roller shutter box, fully exposed, access cover from the bottom or front

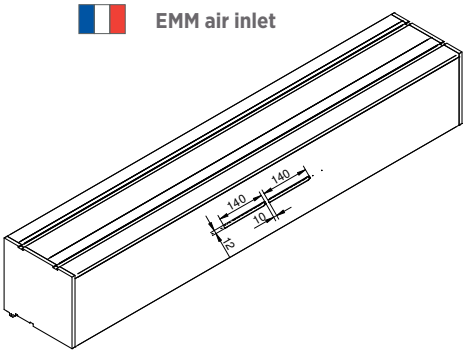


Milling for air inlets in the roller shutter box

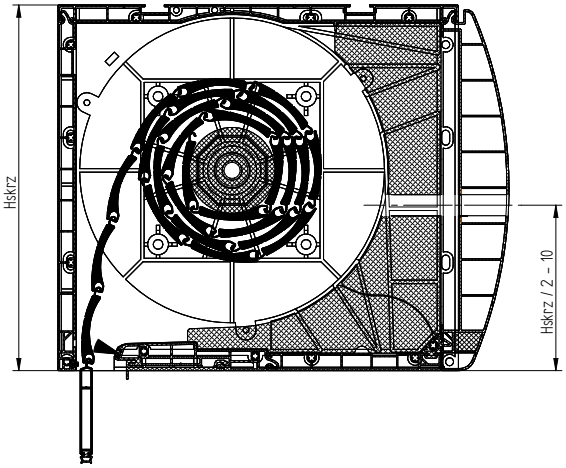
AMO air inlet



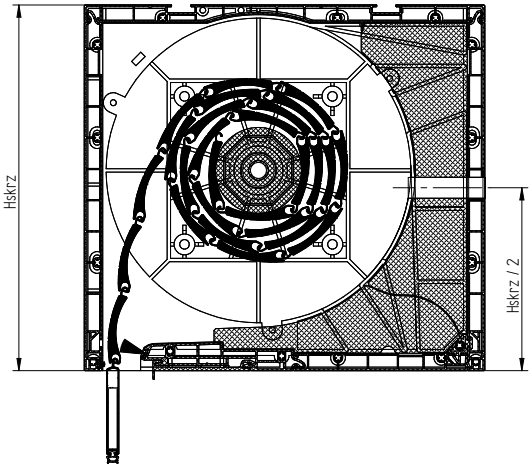
EMM air inlet



Rounded box with an air inlet



Straight box with an air inlet



Colours

CURTAIN	
Standard colours	
Silver	**01**
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Black	**20**
Light grey	**31**
Basalt grey	**33**
Quartz grey	**34**
Concrete grey	**35**
Dark Oak	**36**
Grey aluminium	**37**
White pearl mat*	**40**
Anthracite grey pearl mat*	**43**
Turner oak*	**49**
Winchester	**52**
Bleached oak	**79**
Metalic grey*	**75**
Steel blue	**18**
Green	**13**

END SLAT	
Standard colours	
Silver	**01**
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Black	**20**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
Quartz grey	**34**
White pearl mat	**40**
Anthracite grey pearl mat	**43**
Winchester	**52R**
Dark Oak	**53R**
Bleached oak	**79R**
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Anthracite Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**

TRACKS	
Standard colours	
White	**02**
Dark brown	**08**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
Winchester	**52R**
Dark Oak	**53R**
Special colours	
Dark grey silk	**25R**
Basalt grey	**33R**
Chocolate brown	**55R**
Silver grey	**57R**
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Anthracite Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**
Green 600505	**-**

BOX ELEMENTS	
Standard colours	
White	**02**
Dark brown	**08**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
Winchester	**52R**
Dark Oak	**53R**
Special colours	
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Anthracite Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**
Green 600505	**-**

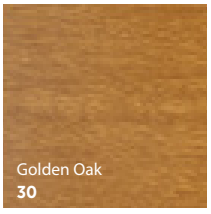
END SLAT	
Special colours	
Green 600505	-
RAL 9007	-
RAL 9006	-
RAL 9005	-
RAL 7039	-
RAL 7023	-
RAL 7012	-
RAL 8003	-
RAL 1013	-
RAL 7038	-
RAL 7016	-
RAL 7024	-
RAL 1001	-
RAL MODERN GRAPHITE	-
RAL 8014	-
RAL MODERN BLACK	-
RAL ANTHRACITE	-
RAL 7047	-
RAL 5011	-
RAL 7035	-

PLEASE NOTE

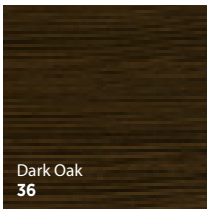
Curtain colours marked with the asterisk symbol * are not available with the PA43 curtain.
Guide rail colours include the standard guide rails PPD60/12.

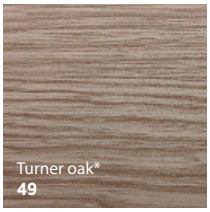
The colour hue of the film coating of roller shutters and window joinery may differ.

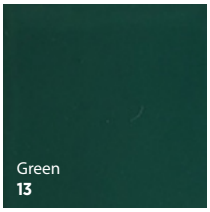
Curtain – standard colours



Curtain – special colours







PROTECTA S ROLLER SHUTTERS

Technical information

The Protecta S roller shutters are a system where the box is made of a special material providing very good thermal characteristics, and it is available in two sizes: 260 x 260 mm and 300 x 300 mm. The guide rails are made of PVC, while the curtain is made up of profiles from aluminium sheet infilled with freon-free polyurethane foam and finished with an end slat. The curtain sheet is covered with two layers of paint, which improves the curtain's resistance to abrasion, scratches, and the weather conditions.

The Protecta S roller shutters can be installed both in newly built buildings, as well as in renovated buildings when the window joinery is replaced. The roller shutter box is seated on the window using a special adaptation profile, the guide rails are screwed directly to the window frame, and then this combination is installed and anchored as a single structure in the window opening. The height of the window in relation to the window opening should be decreased by the height of the top-mount roller shutter box. The box structure provides excellent thermal insulation.

Another advantage of this product is the option to choose whether the access door is mounted from the inside or outside of the room, which is crucial for servicing.

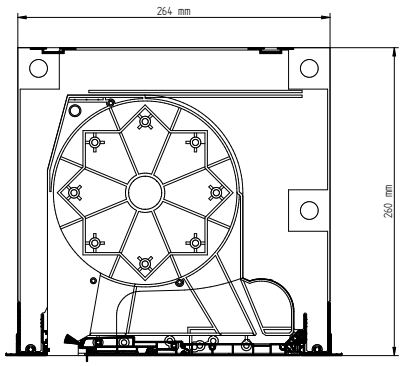
Structure of the Protecta S roller shutter

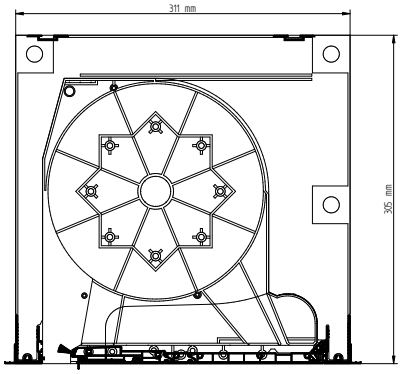
Standard accessories

- 6 non-perforated slats from the top
- steel/PVC soft hangers with felt
- end slat 51 mm high
- end slat conical stoppers 30 mm
- PVC guide rails with a brush seal
- guide rails can be cut at a 5° angle
- installation anchors
- the top end position is set in the power operated version
- rubber cable gland
- tape winder in colour: white / brown

Box sizes – Protecta S roller shutter

260/260 ⋮ 300/300



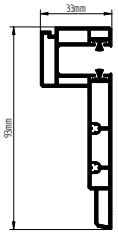


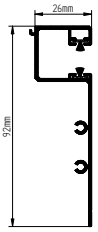
Maximum height including the box for the Protecta S roller shutter [mm]							
Box size	Curtain PA39				Curtain PA43		
	SW40 + WB	**SW40**	**SW60 + WB**	**SW60**	**SW40**	**SW60**	**SW60 + WB**
260	2,930	2,930	2,700	2,510	2,620	2,400	2,530
300	4,590	4,590	4,400	4,200	4,700	4,230	4,400

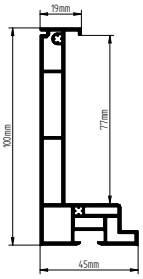
Guide rail types

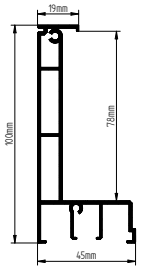
Access door outside

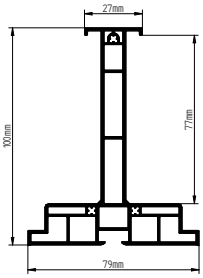
PPRA/12 | **PPARA/12** | **APPRA45** | **APPARA45** | **APPDRA79**



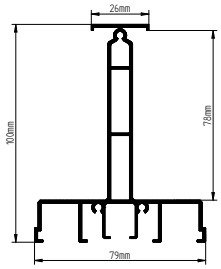






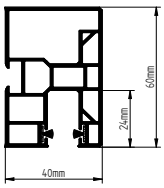


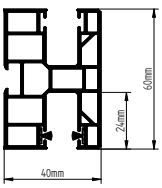
APPDARA79

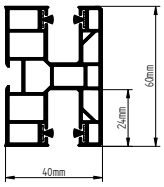


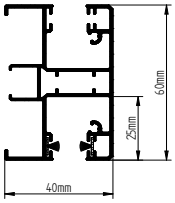
Access door inside

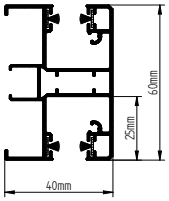
PP60/12 | **PPD60/12** | **PPD-P60/12** | **PPDA60/12** | **PPDA-P60/12**





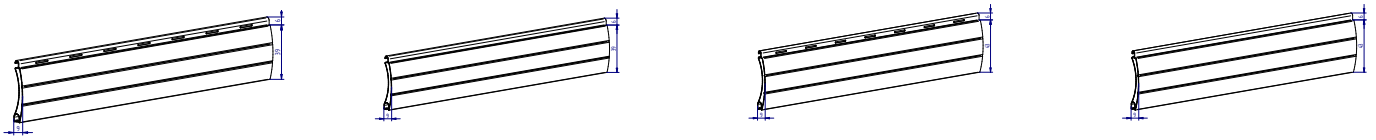






Curtains

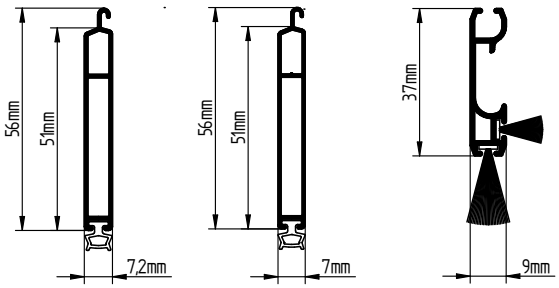
PA 39 | PA 39 | PA 43 | PA 43



	Technical data	
	PA 39	**PA 43**
Slat height	39 mm	43 mm
Weight 1 m²	2.8 kg	2.6 kg
Slats per metre of height	25.6 pieces	23.2 pieces
Max. roller shutter surface	6 m²	9 m²

End slats

LDG | LDG-E | LDSM MKT



The type of end slats depends on the colour																				
Colour / Slat	**00**	**01**	**02**	**03**	**05**	**08**	**09**	**20**	**23**	**23R**	**28**	**28R**	**30**	**30R**	**34**	**40**	**43**	**52R**	**53R**	**79R**
LDG	x	x	x	x	-	x	x	-	x	x	-	x	-	x	x	x	x	x	x	-
LDG-E	x	-	-	-	-	-	-	x	-	-	x	-	x	-	-	-	-	-	-	x
LDSM MKT	x	x	x	x	x	x	x	-	x	-	-	x	x	x	-	-	-	x	-	-

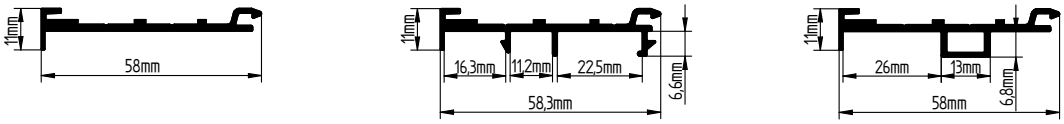
Default roller shutters configuration in golden oak and walnut colour				
Protecta S RI i RA				
Roller shutter type	**Curtain**	**Guide rails**	**End slat**	**Revision**
Walnut	Aluprof 28 - varnish	Veneer 2178007	Veneer 2178007	Veneer 2178007
Golden oak	Aluprof 30 - varnish	Veneer 2178001	Veneer 2178001	Veneer 2178001

WSS reinforcement

Quantity of WSS reinforcement pieces depending on the roller shutter width									
Quantity of WSS reinforcement pieces		pcs.	1	2	3	4	5	6	7
Window width	PVC	mm	1,401-2,100	2,101-2,800	2,801-3,500	3,501-4,200	4,201-4,900	4,901-5,600	5,601-6,000
	Aluminium/ wood	mm	1,601-2,400	2,401-3,200	3,201-4,000	4,001-4,800	4,801-5,600	5,601-6,000	-
	Sliding	mm	1,001-1,500	1,501-2,000	2,001-2,500	2,501-3,000	3,001-3,500	3,501-4,000	4,001-4,500

Adaptation profiles

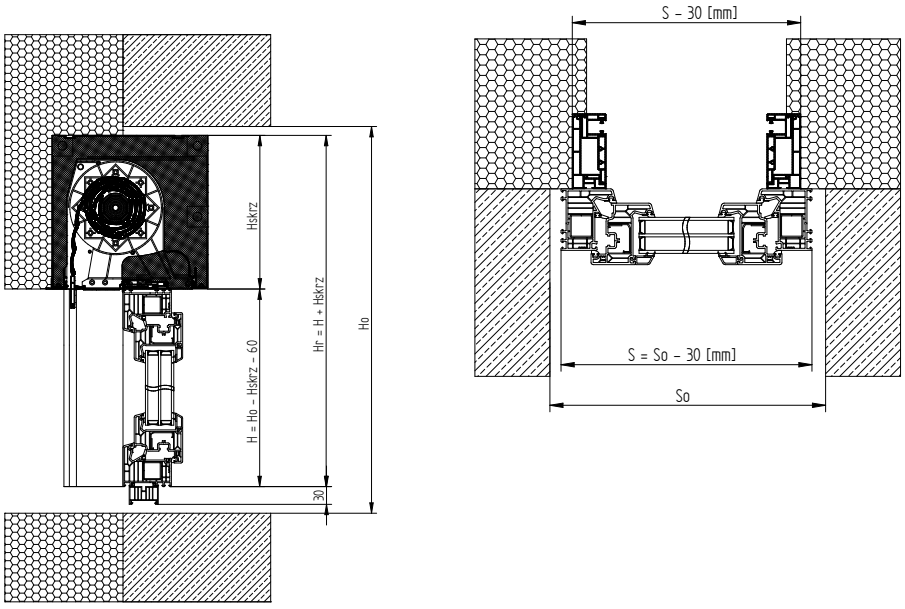
PSA ⋮ **PSAW/6.7** ⋮ **PSAW/6.8**



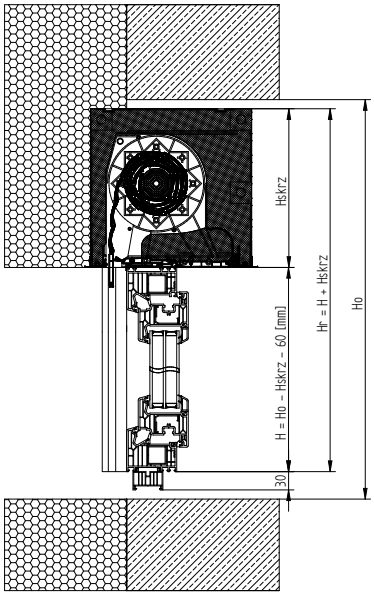
System	Adapter
PRIMO 82 Windows	PSAW/6.7
Primo 82 HST Skymotion	PSAW/6.7
PRIMO 76 Windows	PSAW/6.7
Primo 76 Renovation frame 101.359	PSA
Primo 70 Standard frame	PSAW/6.7
Develo	PSAW/6.8

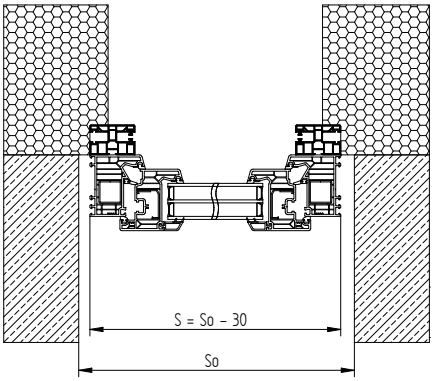
Dimensioning the Protecta S roller shutters

Access door outside



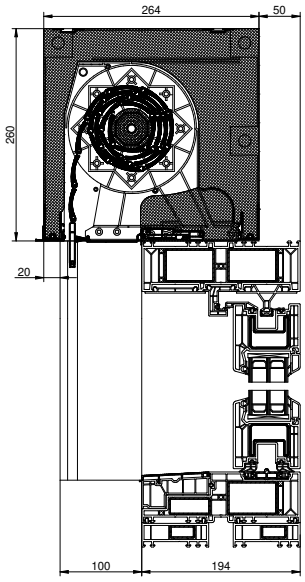
Access door inside



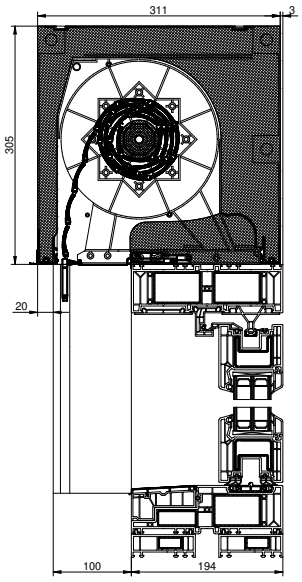


Installation of Protecta S roller shutter on HST

Protecta S RA 260



Protecta S RA 300



Colours

CURTAIN	
Standard colours	
Silver	**01**
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Black	**20**
Light grey	**31**
Basalt grey	**33**
Quartz grey	**34**
Concrete grey	**35**
Dark Oak	**36**
Grey aluminium	**37**
White pearl mat*	**40**
Anthracite grey pearl mat*	**43**
Turner oak*	**49**
Winchester	**52**
Bleached oak*	**79**
Metalic grey*	**75**
Steel blue	**18**
Green	**13**

END SLAT	
Standard colours	
White	**02**
Grey	**03**
Dark brown	**08**
Brown	**09**
Anthracite grey	**23**
Nut Brown	**28**
Golden Oak	**30**
Special colours	
Silver	**01**
Black	**20**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
Quartz grey	**34**
White pearl mat	**40**
Anthracite grey pearl mat	**43**
Winchester	**52R**
Dark Oak	**53R**
Bleached oak	**79R**
Antracyt quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Antracyt Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**
Green 600505	**-**

RI GUIDE RAILS	
Standard colours	
White	**02**
Dark brown	**08**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
Winchester	**52R**
Dark Oak	**53R**
Special colours	
Dark Grey Silk	**25R**
Smooth Basalt Grey	**33R**
Chocolate brown	**55R**
Silver grey	**57R**
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Antracyt Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**
Green 600505	**-**

RI BOX ELEMENTS	
Standard colours	
White	**02**
Dark brown	**08**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**
Winchester	**52R**
Dark Oak	**53R**
Special colours	
Anthracite quartz F4361014	**-**
Black Ulti-Matt 47097	**-**
Woodec Turner Oak Malt	**-**
Woodec turner oak toffee	**-**
Antracite grey 4365003	**-**
Dark Grey Silk 4367003	**-**
Walnut 2178007	**-**
Winchester 49240	**-**
Golden oak 2178001	**-**
Smooth Basalt Grey 701205083	**-**
Agate grey 703805	**-**
Smooth silver grey 715505083	**-**
Silver grey 715505	**-**
Earl platin 1293010	**-**
Anthracite Grau Matt F470-6003	**-**
Natural oak 3118076	**-**
JetBlack 4467062	**-**
Green 600505	**-**

RA GUIDE RAILS	
Standard colours	
White	**02**
Dark brown	**08**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**

RA BOX ELEMENTS	
Standard colours	
White	**02**
Dark brown	**08**
Anthracite Grey	**23R**
Nut Brown	**28R**
Golden Oak	**30R**

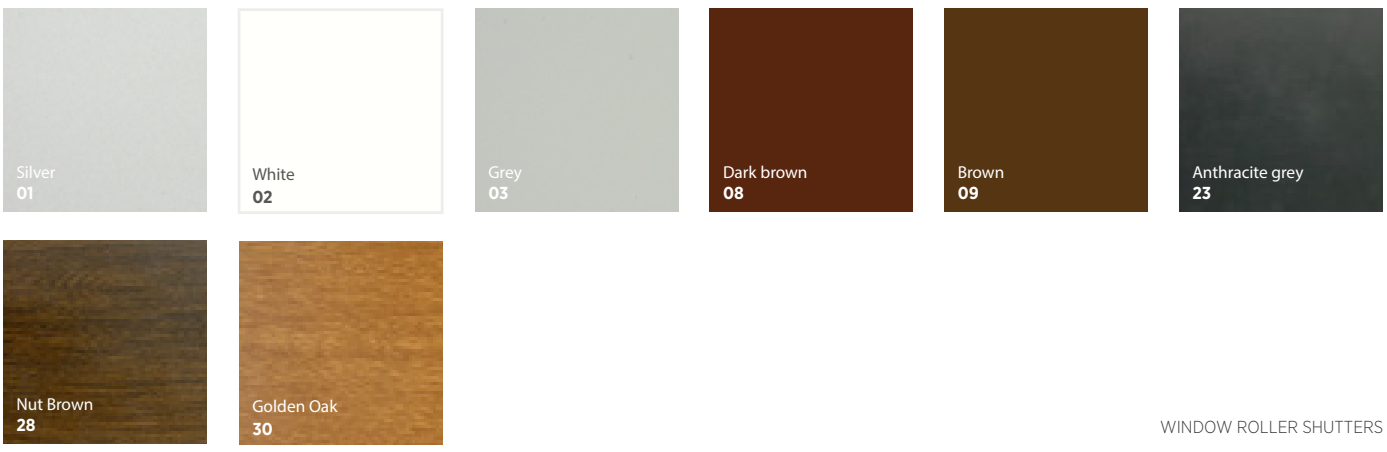
END SLAT	
Special colours	
RAL 9007	-
RAL 9006	-
RAL 9005	-
RAL 7039	-
RAL 7023	-
RAL 7012	-
RAL 8003	-
RAL 1013	-
RAL 7038	-
RAL 7016	-
RAL 7024	-
RAL 1001	-
RAL MODERN GRAPHITE	-
RAL 8014	-
RAL MODERN BLACK	-
RAL ANTHRACITE	-
RAL 7047	-
RAL 5011	-
RAL 7035	-

PLEASE NOTE

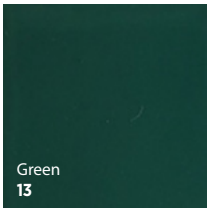
Curtain colours marked with the asterisk symbol * are not available with the PA43 curtain.
Guide rail colours include the standard guide rails PPD60/12.

The colour hue of the film coating of roller shutters and window joinery may differ.

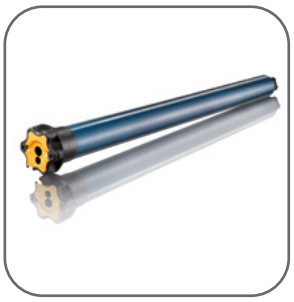
Curtain – standard colours



Curtain – special colours

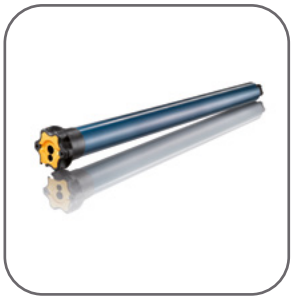


Somfy automatic operating units



Somfy Solus 2PA

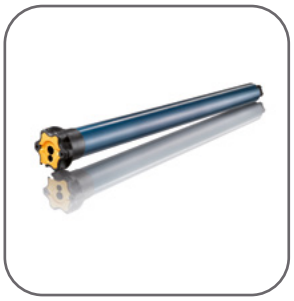
Wired motor with mechanical limit switches, controlled with a pushbutton switch. Limit switch position is adjusted with hex key knobs.



Somfy Solus P&P VVF

Wired motor with obstacle detection, which – thanks to the Plug & Play feature – enables automatic determination of the direction of rotation and adjustment of the limit positions. The detection feature operates while closing and when an obstacle is detected in the clear opening of the roller shutter. The motor features frost protection. Pushbutton switch control.

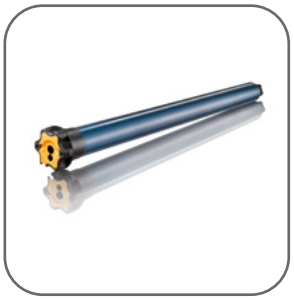
The Somfy Lock To Play self-locking hangers must be used.



Somfy Oximo io

Wireless motor with obstacle detection, automatic limit switches, and the io-homecontrol® technology. Integrated electronic system enables constant electronic torque control. The detection feature operates while closing and when an obstacle is detected in the clear opening of the roller shutter. The motor features frost protection. Two-way feedback function, making it possible to control the device status in real time.

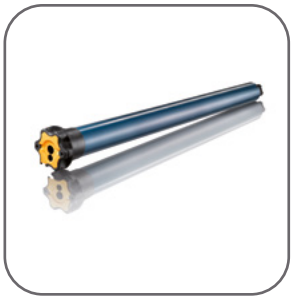
The Somfy Lock To Play self-locking hangers must be used.



Somfy RS100 io

Wireless motor featuring the io-homecontrol® technology, provides automatic detection of the direction of rotation, as well as automatic or fixed adjustment of the limit positions. A special feature of the RS 100 drive is the option to operate in a discrete mode, as well as soft start and stop. Two-way feedback function, making it possible to control the device status in real time.

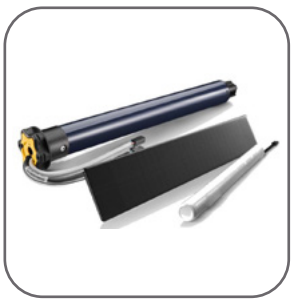
Somfy Lock To Play self-locking hangers must be used.



Somfy RS100 io Hybrid

Motor featuring 2 control options – wired and wireless. It can be controlled with an io controller or with a regular roller shutter switch. The motor provides automatic detection of the direction of rotation, as well as automatic or fixed adjustment of the limit positions. A special feature of the RS 100 drive is the option to operate in a discrete mode, as well as soft start and stop. Two-way feedback function, making it possible to control the device status in real time.

The Somfy Lock To Play self-locking hangers must be used.



Somfy RS100 Solar io

RS100 Solar io combines the assets of our classic drives with solar powered drives: quiet work, drive as a piece of home, reliability. Wireless motor equipped with io-homecontrol® technology,has a automatic detection of rotation as well as automatic or fixed adjustment of the limit positions. The characteristic feature of the RS100 drive is a possibility of working in a quiet mode and option of soft start and stop. Two-way feedback communication for real-time monitoring of the status of devices. Included with the motor is a solar panel 2.5W for 6 and 10Nm engines and 5.8W for 15Nm engine. Panel life time > 20 years. Another element of the motor kit is a 2200mAh battery that allows the shutters to work without access to sunlight for 45 days. The battery is mounted inside the box. Battery life > 8 years.

Usage of self-locking hooks Somfy Lock to Play is required.

io-homecontrol® control units

smartCONNECTED Box

The smartCONNECTED Box is a central control unit that connects all the home devices within a single smart control system. It can include WISNIOWSKI garage doors, gates, windows, doors, and roller shutters, as well as many other home elements that can take advantage of the io homecontrol technology, such as shutters and internal shades or blinds.

- Simple installation – the device is ready to use once it is powered on.
- In control wherever you are – independent control of the devices via the Internet, at home or remotely with your smartphone (with the iOS or Android operating system).
- Two-way communication – at any given time, you can check whether you have closed the garage door or the shutters.
- Scenarios for each day – set an appropriate scenario in the smartCONNECTED application, which will open the roller shutters exactly at dawn and will let the sun into your home.
- Convenient control – use an app from which you can control your home at any time – even with your voice.
- Not only garage doors, gates, windows, doors, and fences – the smartCONNECTED Box central control unit works with more than just WISNIOWSKI products. It can also handle lighting compatible with the io-homecontrol® technology.
- Central control unit dimensions: 11 x 7.1 x 2.8 cm

Combining the best qualities. Connecting garage doors, gates, windows, doors, and fences with the smartCONNECTED concept is the last stage of the purchase of these elements – it is a symbolic completion of the investment. Customers will surely appreciate the fact that by choosing smartCONNECTED, they do not have to worry about any hidden costs.

TaHoma Switch

One system to control it all

With the TaHoma Switch, you can control the devices at your home with your smartphone, tablet or computer. Clear interface and an intuitive system make it a system that is easy to use for anyone. Additional, immediate feedback gives you certainty that the tasks have been performed properly and no obstacles have been encountered. The TaHoma system also makes it possible to connect alarm systems, cameras, window opening sensors, and motion sensors. All these devices can be activated manually or automatically. You can freely activate them using individual scenarios, such as “open all roller shutters”, “lighting on” or “arm the alarm”, which effectively scares away potential intruders. The application pushes a notification to your smartphone each time an intruder is present in your home.

- The central control unit is compatible with almost 300 Somfy product types.
- Roller shutters
- Blinds and shutters
- Pergolas and awnings
- Gates, garage doors and door locks
- Lighting and smart sockets
- Cameras and alarms
- Heating
- Sensors
- Music and voice assistants

This exceptionally simple and intuitive system allows you to create 40 scenarios for over 200 home devices! You can freely modify each scenario and launch it whenever you want or on scheduled days and time. Do it all at a tap of a button on your smartphone, tablet or laptop.

Central control unit dimensions: (length x width x height): 110 x 71.25 x 28.13 mm

Nina Timer io

A remote with a touch screen display for central manual or automatic control of io drive units and io receivers. Product advantages:

- Two-way communication between the remote and the io drive / io receiver,
- notification about the performance of a request on the display,
- easily create scenarios for rooms, groups, floors and the entire home,
- ability to freely program up to 8 time commands for a single work schedule,
- presence simulation, Cosmic program in the evening,
- home mapping feature, assigning products to rooms, floors and groups,
- dimensions: 150mm x 65mm x 90mm.

Nina io

A remote with a 5 touch screen for central and manual control of io drives and receivers. Product advantages:

- ability to switch the io drives and receivers to the required position thanks to pictograms when in manual operation,
- easily create scenarios for rooms, groups, floors and the entire home,
- home mapping feature, assigning products to rooms, floors and groups,
- notification about the performance of a request on the display,
- dimensions: 145mm x 61mm x 22mm.

Set&Go io

A tool for installing io devices, which guides the user through the subsequent stages of installation. It manages the security key, detects any installed devices, helps select the parameters for each drive unit, quickly pairs controllers, and adapts the installation to the user's requirements. The Set&Go tool requires a computer with special free software available at www.somfypro.com/Set-Go. Wireless connection range is 20 m through 2 reinforced concrete walls.

Situo 1 io

1-channel portable remote with individual, group, and central operation. The "UP" button for opening the roller shutter, "DOWN" for closing, "MY" for stopping the current movement or activating the comfortable position. The kit includes a wall bracket for flexible installation. Available in the following colours: Pure, Iron, Natural, Arctic.

Situo 5 io

5-channel portable remote with individual, group and central operation. The "UP" button for opening the roller shutter, "DOWN" for closing, "MY" for stopping the current movement, activating the comfortable position or choosing the channel. LED showing the transmission status and battery level. The kit includes a wall bracket for flexible installation. Available in the following colours: Pure, Iron, Natural, Arctic.

Smoove 1 io

1-channel wall-mounted wireless transmitter for manual control of the wireless io drive. Touch buttons provide the following control: up–down–stop, central control can be enabled or disabled with a slide switch. LED shows the transmission status. Wireless transmitter, battery-powered. Available in the following colours: Pure Shine, Black Shine and Silver Shine.

Smoove RS 100 1 io

1-channel wall-mounted transmitter with speed adjustment for the RS100 drive series. Control with touch buttons: up–down–stop Features speed control switch (slow/normal). Individual or group control. LED shows the transmission status. Wireless transmitter, battery-powered. Available in the following colours: Pure Shine, Black Shine and Silver Shine.

Smoove Origin io

1-channel wall-mounted wireless io transmitter for controlling a single or several wireless io drives. Control with touch buttons: up–down–stop Individual or group control. LED shows the transmission status. Wireless transmitter, battery-powered. Available in the Pure colour.

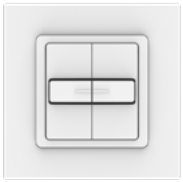
Chronis io

1-channel programmer timer. It can program a maximum of 4 individual opening and closing times for all days of the week. Easy to read, large display with a bright, light blue backlight. Automatic summer and winter time change. The Cosmic feature makes it possible to close the roller shutters at dusk. Wireless programmer, battery-powered.

Wired control

Smoove Uno WT

A switch with impulse maintenance for manual control of the wired drive or wired drive with obstacle detection. Control with up–stop–down buttons.



Smoove Duo WT

A switch with impulse maintenance for manual control of two independent wired drives or wired drives with obstacle detection. Control with up–stop–down buttons.

Chronis Smoove Uno

Programmer timer. Large backlit display for easy menu-based control and programming using a text display. Day and week program, possibility to program individual opening and closing times for each day of the week and for the entire week. Cosmic feature for evenings. Available in the following colours: Pure with a Pure frame, Black.

Somfy Smoove frames

For use with all Smoove series remotes and programmers.

ALUPROF accessories

Aluprof wired motor

Motor series DM35S and YYGL35S (winding tube ϕ40), as well as the DM45S and YYGL45S series (winding tube ϕ60) with mechanical limit switches, controlled with a pushbutton switch.

Aluprof wired motor with overload detection

Motors with overload detection series DM35BD (winding tube ϕ40) and series DM45BD (winding tube ϕ60) with built-in electronic limit switches, controlled with a pushbutton switch.

Usage of self-locking hooks Somfy Lock to Play is required.

Aluprof wireless motor

Motor series and DM35R (winding tube ϕ40) and DM45R (winding tube ϕ60)
with a built-in wireless receiver and mechanical limit switches, controlled with the DC series wireless transmitters.

Aluprof wireless motor with overload detection

Motors with overload detection series DM35E (winding tube ϕ40) and series DM45E (winding tube ϕ60) with a built-in wireless receiver and electronic limit switches, controlled with the DC series wireless transmitters. Compatible with a bell switch.

Usage of self-locking hooks Somfy Lock to Play is required.

1-channel DC1600 remote

1-channel portable remote activates 1 device or automated group. Up to 200 m range in open and 35 m in closed spaces. Compatible with motor series DM35R, DM45R, DM35E and DM45E, as well as the DC series central control units.

15-channel DC1602 remote

15-channel portable remote activates 15 devices or automated groups. Up to 200 m range in open and 35 m in closed spaces. Compatible with motor series DM35R, DM45R, DM35E and DM45E, as well as the DC series central control units.

DC1670 1-channel wall-mounted transmitter

1-channel wall-mounted transmitter activates 1 device or automated group. Up to 200 m range in open and 35 m in closed spaces. Compatible with motor series DM35R, DM45R, DM35E and DM45E, as well as the DC series central control units.

DC1671 2-channel wall-mounted transmitter

2-channel wall-mounted transmitter activates 2 devices or automated groups. Up to 200 m range in open and 35 m in closed spaces. Compatible with motor series DM35R, DM45R, DM35E and DM45E, as well as the DC series central control units.

DC1675 1-channel wall-mounted transmitter, programmer timer

1-channel wall-mounted transmitter activates 1 device or automated group. Can program custom opening and closing hours for roller shutters. Up to 200 m range in open and 35 m in closed spaces. Compatible with motor series DM35R, DM45R, DM35E and DM45E, as well as the DC series central control units.

DC1676 5-channel wall-mounted transmitter, programmer timer

5-channel wall-mounted transmitter activates 5 devices or automated groups. Can program custom opening and closing hours for roller shutters. Up to 200 m range in open and 35 m in closed spaces. Compatible with motor series DM35R, DM45R, DM35E and DM45E, as well as the DC series central control units.

DC1690 1-channel flush-mounted switch with built-in wireless

Universal flush-mounted switch (with or without impulse maintenance), activates 1 motor. With a built-in wireless central control unit and compatible with DC series transmitters.

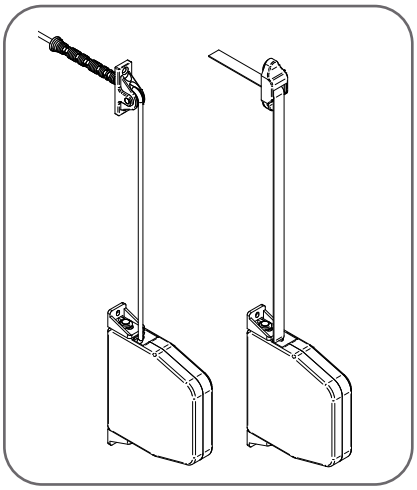
DC73A wireless central control unit (installed in the box)

For installation in roller shutter boxes from 165 mm. Accepts one drive with power up to 400 W. Compatible with wired motors, provides wireless transmission for a wired motor.

AL-RSP01 flush-mounted wireless central control unit, flush-mounted (for keypad)

Flush-mounted wireless central control unit for controlling a single drive. Installed in a standard flush-mounted box, compatible with all DC series transmitters.

Accessories



Cord/tape winder

Winding mechanism for controlling external shutters manually. For roller shutters with a surface area up to 3.5 m^2. Available in white and brown.

Cord

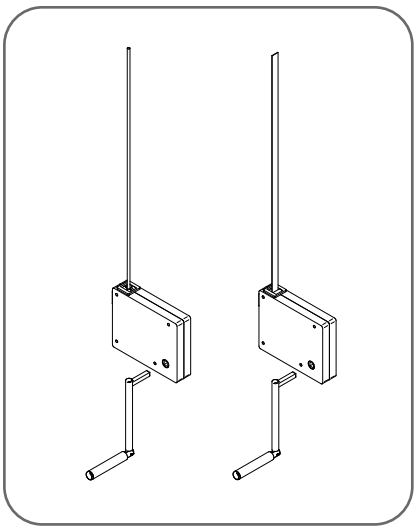
Diameter 4.5 mm, a cord winder accessory. Available in white and brown.

Tape

Width 14 mm, a tape winder accessory. Available in grey and brown.

PLEASE NOTE

In single-leaf windows, the winder is recommended to be mounted on the handle side.
If montaging on the wall or lining is not possible we advise widening the window by at least 30 mm and write out the roller shutter in a separate position – inability of mounting the shutter in production.



Crank winder – cord/tape

Winding mechanism for controlling external shutters manually. Includes a winder housing, Mignon crank, and a plate for fixing the winder. For roller shutters with a surface area up to 5 m^2. Available in white and brown.

PLEASE NOTE

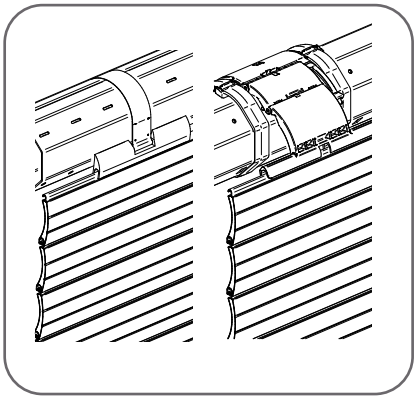
In single-leaf windows, the winder is recommended to be mounted on the handle side.

Cardan swivel with bell hitch

Winch is a drive element of ANR mechanism mounted inside of a shutter box. During performing an action of spinning the winch the torque is moved on a winding tube causing the curtain to roll or unfold. Selectable version operated at 45° or 90° angle. Joint terminated with bell hook.

Cardan swivel with lug

Winch is the driving element of the ANR mechanism mounted inside the roller shutter box. When the crank is turned, a torque is transferred to the winding tube causing the armour to be rolled up or down. Choice of 45o or 90o operating angle. The pivot ends in an eyelet, operated by a crank with a hook.



Hanger

Standard roller shutter curtain hanger, steel with a PVC inlet and felt lining. Felt provides additional protection from scratching the curtain, which can occur when the curtain is wound on the winding tube.

Lock To Play locking hanger

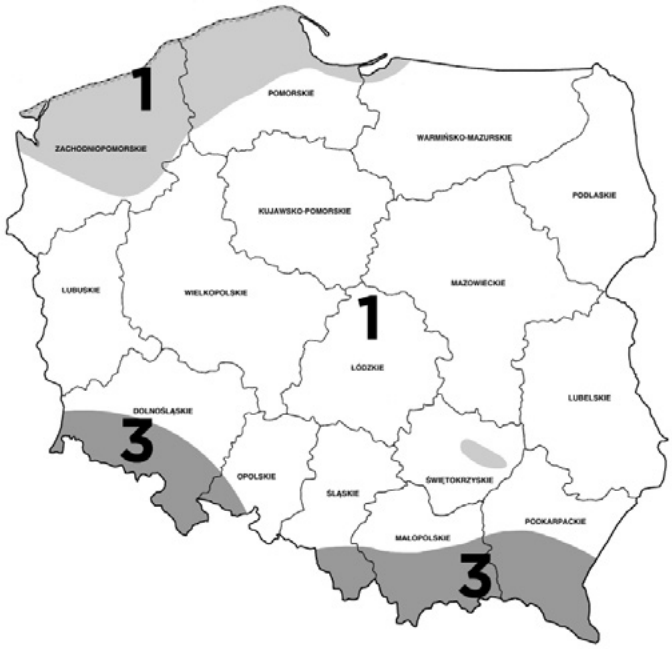
Hard hanger paired with motors with obstacle detection. When an obstacle occurs in the path of the curtain, it improves the curtain's resistance to damage. The slats in the lower end position are stiffened and locked, which prevents the roller shutter from making noise in the wind. The locker is seated on two snap rings and does not require the use of installation tools.

Wind load resistance class in accordance with PN-EN13659

POLAND

Terrain categories:

0 - Sea or coastal areas with wind flowing over the open sea
I - Lakes or flat and horizontal area with negligible vegetation and no obstacles
II - Areas with low vegetation such as grass, with or without a few free-standing obstacles (trees, buildings) with a distance between them of at least 20 times their height
III - Area with regular overgrowth or buildings or isolated obstacles with a gap of no more than 20 obstacle heights (e.g. villages, periurban areas, sustainable forests etc.)
IV - Urban areas where at least 15% of the surface area is covered with buildings with an average height of over 15 m



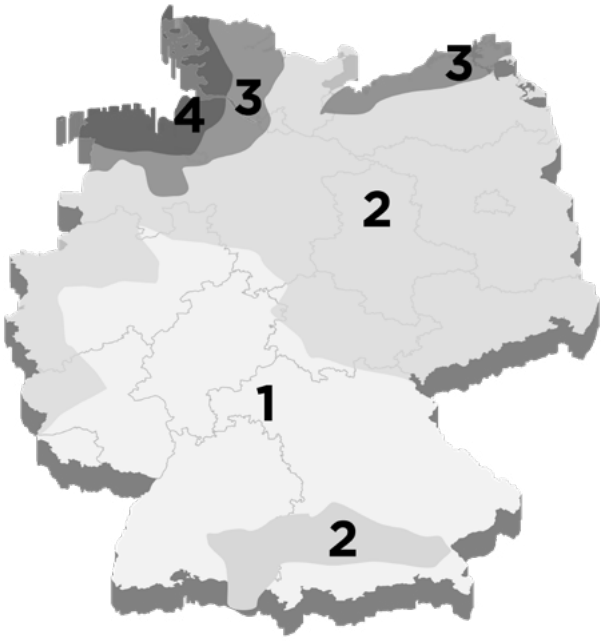
Wind speeds (PN-EN 1991-1-4)	
Wind zone	V_k (m/s)
I	22
II	26
III	22

Assignment of roller shutter wind load resistance classes to the wind load zones in Poland																
Criterion		**Roller shutter installation height on a building**														
Terrain category	Require-ments	**up to 9 m**			**from 9 to 18 m**			**from 18 to 28 m**			**from 28 to 50 m**			**from 50 to 100 m**		
		Wind zone			Wind zone			Wind zone			Wind zone			Wind zone		
		I	**II**	**III**	**I**	**II**	**III**	**I**	**II**	**III**	**I**	**II**	**III**	**I**	**II**	**III**
0	Wind load resistance class	3	4	3	4	4	4	4	4	4	4	5	4	4	5	4
I		3	4	3	3	4	3	4	4	4	4	4	4	4	5	4
II		2	3	2	3	4	3	3	4	3	4	4	4	4	5	4
III		2	3	2	3	3	3	3	4	3	3	4	3	4	4	4
IV		1	2	1	2	3	2	2	3	2	3	4	3	3	4	3

GERMANY

Terrain categories:

0 - Sea or coastal areas with wind flowing over the open sea
I - Lakes or flat and horizontal area with negligible vegetation and no obstacles
II - Areas with low vegetation such as grass, with or without a few free-standing obstacles (trees, buildings) with a distance between them of at least 20 times their height
III - Area with regular overgrowth or buildings or isolated obstacles with a gap of no more than 20 obstacle heights (e.g. villages, periurban areas, sustainable forests etc.)
IV - Urban areas where at least 15% of the surface area is covered with buildings with an average height of over 15 m
V - Urban areas where at least 15% of the surface area is covered with buildings with an average height of over 15 m



Wind speeds (PN-EN 1991-1-4)	
Wind zone	V_k (m/s)
I	22.5
II	25
III	27.5
IV	30

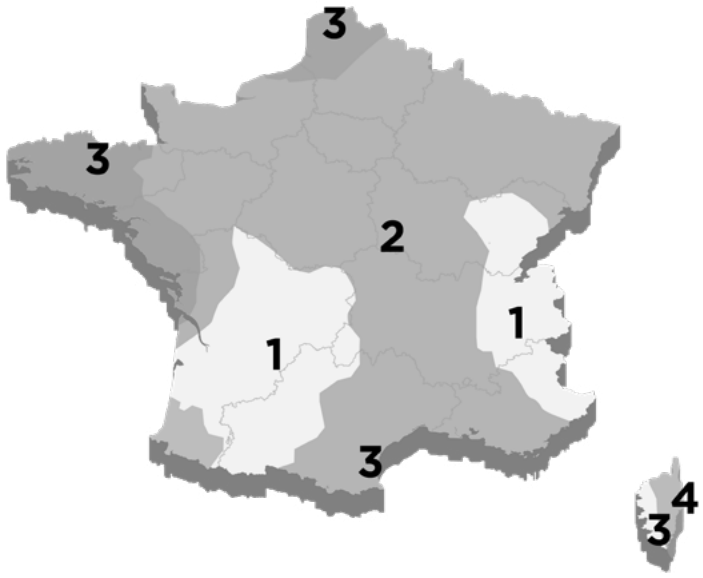
Assignment of roller shutter wind load resistance classes to the wind load zones in Germany

Criterion		**Roller shutter installation height on a building**																			
Terrain category	Require-ments	**up to 9 m**				**from 9 to 18 m**				**from 18 to 28 m**				**from 28 to 50 m**				**from 50 to 100 m**			
		Wind zone				Wind zone				Wind zone				Wind zone				Wind zone			
		I	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**
0	Wind load re-sistance class	3	4	4	5	4	4	4	5	4	4	5	5	4	4	5	5	4	5	5	5
I		3	4	4	4	4	4	4	5	4	4	5	5	4	4	5	5	4	5	5	5
II		3	3	4	4	3	4	4	4	4	4	4	5	4	4	5	5	4	5	5	5
III		2	2	3	3	3	4	4	3	3	4	4	3	4	4	4	5	4	4	5	5
IV		1	1	2	2	2	2	3	3	2	3	3	4	3	3	4	4	3	4	4	5

FRANCE

Terrain categories:

0 - Sea or coastal areas with wind flowing over the open sea
I - Lakes or flat and horizontal area with negligible vegetation and no obstacles
II - Areas with low vegetation such as grass, with or without a few free-standing obstacles (trees, buildings) with a distance between them of at least 20 times their height
IIIa - Rural area with fences / hedges, vineyards, scattered homes
IIIb - Urbanized or industrial areas; thick groves; orchards
IV - Urban areas where at least 15% of the surface area is covered with buildings with an average height of over 15 m



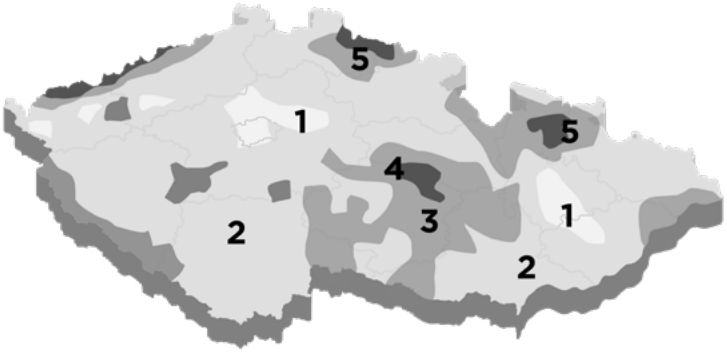
Wind speeds (PN-EN 1991-1-4)					
Wind zone		Metropolitan France	Wind zone		Oversea departments
I	V_k (m/s)	22	Guadeloupe	V_k (m/s)	36
II		24	Guyana		17
III		26	Martinique		32
IV		28	Mayotte		30
			Réunion		34

Assignment of roller shutter wind load resistance classes to the wind load zones in France																					
Criterion		**Roller shutter installation height on a building**																			
Terrain category	Require-ments	**up to 9 m**				**from 9 to 18 m**				**from 18 to 28 m**				**from 28 to 50 m**				**from 50 to 100 m**			
		Wind zone				Wind zone				Wind zone				Wind zone				Wind zone			
		I	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**
0	Wind load re-sistance class	3	4	4	4	4	4	4	4	4	4	4	5	4	4	5	5	4	4	5	5
II		3	3	4	4	3	4	4	4	3	4	4	4	4	4	4	5	4	4	5	5
IIIa		2	2	3	3	3	3	3	4	3	3	4	4	3	4	4	4	4	4	4	5
IIIb		1	2	2	2	2	2	3	3	2	3	3	4	3	3	4	4	3	4	4	4
IV		1	1	2	2	1	2	2	3	2	2	3	3	2	3	3	4	3	4	4	4

CZECH REPUBLIC

Terrain categories:

0 - Sea or coastal areas with wind flowing over the open sea
I - Lakes or flat and horizontal area with negligible vegetation and no obstacles
II - Areas with low vegetation such as grass, with or without a few free-standing obstacles (trees, buildings) with a distance between them of at least 20 times their height
III - Area with regular overgrowth or buildings or isolated obstacles with a gap of no more than 20 obstacle heights (e.g. villages, periurban areas, sustainable forests etc.)
IV - Urban areas where at least 15% of the surface area is covered with buildings with an average height of over 15 m
V - Urban areas where at least 15% of the surface area is covered with buildings with an average height of over 15 m



Wind speeds (PN-EN 1991-1-4)	
Wind zone	V_k (m/s)
I	22.5
II	25
III	27.5
IV	30
V	36

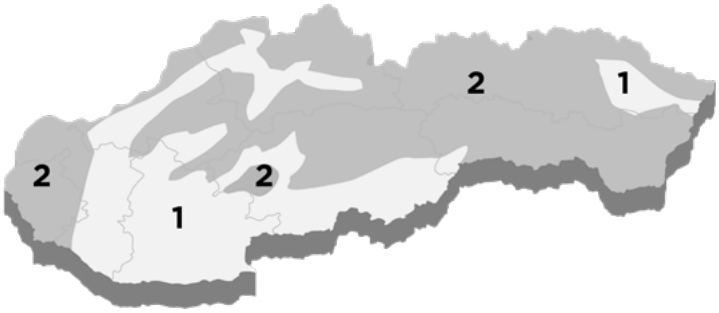
Assignment of roller shutter wind load resistance classes to the wind load zones in the Czech Republic

Criterion		**Roller shutter installation height on a building**																								
Terrain category	Requirements	**up to 9 m**					**from 9 to 18 m**					**from 18 to 28 m**					**from 28 to 50 m**					**from 50 to 100 m**				
		Wind zone					Wind zone					Wind zone					Wind zone					Wind zone				
		I	**II**	**III**	**IV**	**V**	**I**	**II**	**III**	**IV**	**V**	**I**	**II**	**III**	**IV**	**V**	**I**	**II**	**III**	**IV**	**V**	**I**	**II**	**III**	**IV**	**V**
I	Wind load resistance class	3	4	4	4	5	4	4	4	5	5	4	4	5	5	6	4	4	5	5	6	4	5	5	5	6
II		3	3	4	4	5	3	4	4	4	5	4	4	4	5	5	4	4	5	5	6	4	4	5	5	6
III		2	2	3	3	4	3	3	4	4	5	3	3	4	4	5	3	4	4	5	5	4	4	5	5	6
IV		3	4	4	4	5	4	4	4	5	5	4	4	5	5	6	4	4	5	5	6	4	5	5	5	6

SLOVAKIA

Terrain categories:

0 - Sea or coastal areas with wind flowing over the open sea
I - Lakes or flat and horizontal area with negligible vegetation and no obstacles
II - Areas with low vegetation such as grass, with or without a few free-standing obstacles (trees, buildings) with a distance between them of at least 20 times their height
III - Area with regular overgrowth or buildings or isolated obstacles with a gap of no more than 20 obstacle heights (e.g. villages, periurban areas, sustainable forests etc.)
IV - Urban areas where at least 15% of the surface area is covered with buildings with an average height of over 15 m



Wind speeds (PN-EN 1991-1-4)	
Wind zone	V_k (m/s)
I	24
II	26
III	30
IV	33

Assignment of roller shutter wind load resistance classes to the wind load zones in the Slovakia																				
Criterion		**Roller shutter installation height on a building**																		
Terrain category	Requirements	**up to 9 m**				**from 9 to 18 m**				**from 18 to 28 m**				**from 28 to 50 m**				**from 50 to 100 m**			
		Wind zone				Wind zone				Wind zone				Wind zone				Wind zone			
		I	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**	**I**	**II**	**III**	**IV**
I	Wind load resistance class	1	2	2	3	2	2	3	4	3	3	4	4	3	4	4	4	4	4	5	5
II		3	4	4	4	4	4	4	5	4	4	5	5	4	4	5	5	4	5	5	6
III		2	3	3	4	3	3	4	4	3	4	4	5	4	4	5	5	4	4	5	5
IV		1	2	2	3	2	2	3	4	3	3	4	4	3	4	4	4	4	4	5	5

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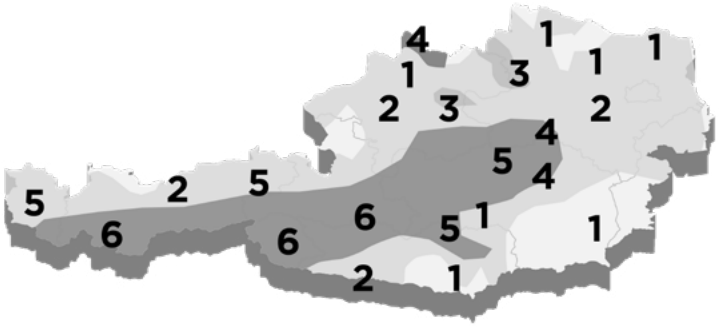
Terrain categories:

0 - Sea or coastal areas with wind flowing over the open sea
I - Lakes or flat and horizontal area with negligible vegetation and no obstacles
II - Areas with low vegetation such as grass, with or without a few free-standing obstacles (trees, buildings) with a distance between them of at least 20 times their height
III - Area with regular overgrowth or buildings or isolated obstacles with a gap of no more than 20 obstacle heights (e.g. villages, periurban areas, sustainable forests etc.)
IV - Urban areas where at least 15% of the surface area is covered with buildings with an average height of over 15 m



Wind speeds (PN-EN 1991-1-4)	
Wind zone	V_k (m/s)
I	24.2
II	27.5
III	30.8
IV	37.4
V	44
VI	50.6

Assignment of roller shutter wind load resistance classes to the wind load zones in the Austria

Criterion		**Roller shutter installation height on a building**																													
Ter-rain cate-gory	Require-ments	**up to 9 m**						**from 9 to 18 m**						**from 18 to 28 m**						**from 28 to 50 m**						**from 50 to 100 m**					
		Wind zone						Wind zone						Wind zone						Wind zone						Wind zone					
		I	**II**	**III**	**IV**	**V**	**VI**	**I**	**II**	**III**	**IV**	**V**	**VI**	**I**	**II**	**III**	**IV**	**V**	**VI**	**I**	**II**	**III**	**IV**	**V**	**VI**	**I**	**II**	**III**	**IV**	**V**	**VI**
II	Wind load resistance class	3	4	4	5	5	6	3	4	4	5	6	6	4	4	4	5	6	6	4	4	5	6	6	6	4	5	5	6	6	6
III		2	3	4	4	5	6	3	4	4	5	5	6	3	4	4	5	6	6	4	4	5	5	6	6	4	4	5	6	6	6
IV		1	2	3	4	4	5	2	3	3	4	5	5	2	3	4	4	5	6	3	4	4	5	6	6	4	4	5	5	6	6

PLEASE NOTE

These tables apply to areas situated up to 300 m above sea level and roller shutter installation at the height of up to 100 m. All other cases have to be considered on an individual basis.

Roller shutter resistance classes to wind load							
Class	0	1	2	3	4	5	6
Reference test pressure **p** (N/m^2)	< 50	50	70	100	170	270	400
Safe test pressure **1.5 p** (N/m^2)	< 75	75	100	150	250	400	600

Maximum roller shutter widths in accordance with the classes of resistance to wind load

Max. roller shutter width including guide rails in mm for the PA39	**Wind load resistance class in accordance with PN-EN13659**					
	1	2	3	4	5	6
for guide rails: PP53, PP53/ODS/20, PK53, PK53/120, PPD79, PPD79/ODS, PPD79/ODS/20, PPDMO79	<=3,200	<=2,900	<=2,500	<=2,100	<=1,800	<=1,600
for guide rails: PP68	<=3,900	<=3,400	<=2,900	<=2,300	<=2,000	<=1,900
for guide rails: PP60/12; PPD60/12; PPDA60/12; PPD-P60/12; PPDA-P60/12	<=3,300	<=3,000	<=2,600	<=2,200	-	-
for guide rails: PPRA/12, PPMRA/12, PPARA/12, PPMARA/12	<=3,000	<=2,600	<=2,300	<=2,000	-	-

Max. roller shutter width including guide rails in mm for the PA43	**Wind load resistance class in accordance with PN-EN13659**					
	1	2	3	4	5	6
for guide rails: PP53, PP53/ODS/20, PK53, PK53/120, PPD79, PPD79/ODS, PPD79/ODS/20, PPDMO79	<=3,300	<=3,000	<=2,600	<=2,200	<=1,900	<=1,600
for guide rails: PP68	<=3,900	<=3,400	<=3,000	<=2,400	<=2,100	<=1,800
for guide rails: PP60/12; PPD60/12; PPDA60/12; PPD-P60/12; PPDA-P60/12	<=3,300	<=3,000	<=2,600	<=2,200	-	-
for guide rails: PPRA/12, PPMRA/12, PPARA/12, PPMARA/12	<=2,900	<=2,600	<=2,300	<=2,000	-	-

Max. roller shutter width including guide rails in mm for the BP41R-0	**Wind load resistance class in accordance with PN-EN13659**					
	1	2	3	4	5	6
for guide rails: PP53, PP53/ODS/20, PK53, PK53/120, PPD79, PPD79/ODS, PPD79/ODS/20, PPDMO79	-	<=2,800	<=2,600	<=2,600	<=2,600	<=2,600
for guide rails: PP68	-	-	<=2,800	<=2,600	<=2,200	<=1,800

Max. roller shutter width including guide rails in mm for the BP41R-0 + MKT	**Wind load resistance class in accordance with PN-EN13659**		
	4	5	6
for guide rails: PPDO53, PPDO79	<=1,700	<=1,700	<=1,600

Max. roller shutter width including guide rails in mm for the PA39 + MKT	**Wind load resistance class in accordance with PN-EN13659**		
	4	5	6
for guide rails: PPDO53, PPDO79	<=1,700	<=1,700	<=1,600
for guide rails: PPDMW-; PPDMW-P-; PPDAMW-; PPDAMW-P; PPMO 60/12	<=1,700	<=1,700	<=1,600

Max. roller shutter width including guide rails in mm for the PA43 + MKT	Wind load resistance class in accordance with PN-EN13659		
	4	5	6
for guide rails: PPDO53, PPDO79	<=1,700	<=1,700	<=1,600
for guide rails: PPDMW-; PPDMW-P-; PPDAMW-; PPDAMW-P; PPMO 60/12	<=1,700	<=1,700	<=1,600

Protecta P roller shutters, nut brown colour (28).

Protecta P roller shutter, anthracite grey colour (23).

WIŚNIOWSKI

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