

CATALOG  
**ROLLER SHUTTERS**  
PORTOS



2020



# COLOURS OF VENEER



10 - Plain anthracite  
(nr KDB74-F7)



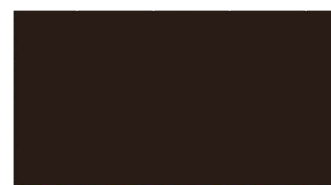
11 - Palisander  
(nr H-426-5010)



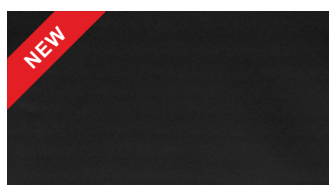
12 - Anthracite  
(nr KDB74-Z8)



14 - Creamy white  
(nr H-456-5015)



17 - Chocolate  
(nr H-426-5011)



18 - Black Ulti-Matt \*  
(nr 000002-504700)



22 - Mahogany  
(nr UR601-U4)



30 - Walnut  
(nr UK103-Z8)



34 - Bog oak  
(nr H-436-2007)



38 Dark oak \*  
(nr H-426-2046)



48 - Golden oak  
(nr UK101-Z8)



53 - Siena noce \*  
(nr 49237)



54 - Winchester  
(nr 49240)



55 - sheffield oak \*  
(nr 456-3081)



61 - Grey quartz \*  
(nr KADF8-Z8)



62 - Basalt grey \*  
(nr KADF9-Z8)



63 - Plain basalt grey \*  
(nr KADF9-F7)



66 - Green  
(nr H-426-5021)



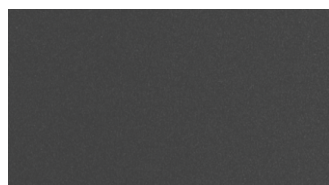
94 - Light grey  
(nr KACH7-Z8)



95 - Brushed aluminium  
(nr DJ606-42)



96 - Light silver \*  
(nr SS101-89)



97 - grafit metallic \*  
(nr D2573-F7)



99 - Dark grey  
(nr KACV8-Z8)

NOTE - the colour samples presented above can to some extent vary from the actual colours.

\* - Completion date up to 15 business days.



# TOP MOUNTED ROLLER SHUTTERS

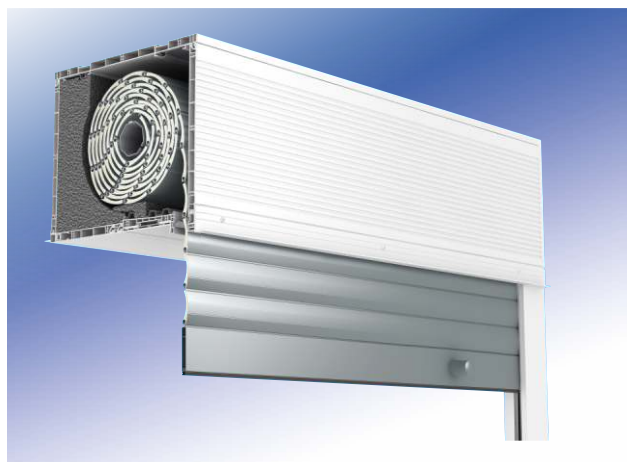
**CC1000<sup>®</sup>**



**TL1000<sup>®</sup>**



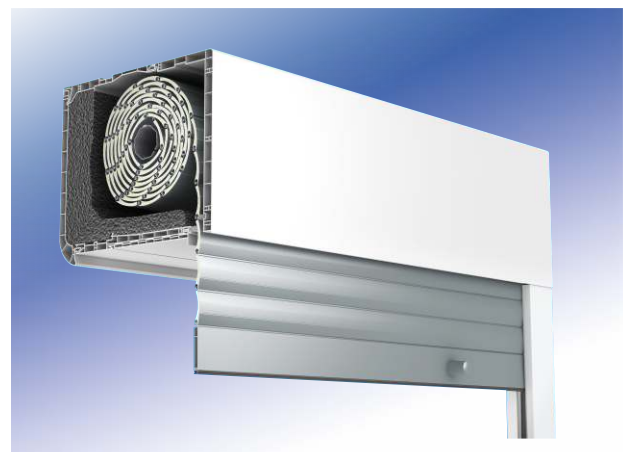
**TP1000K<sup>®</sup>**



**TP1000K<sup>®</sup>  
with mosquito net**



**MX1200<sup>®</sup>**



**SN5000<sup>®</sup>  
BEZ/Z MOSKITIERĄ**



# CC1000®



CC1000 is a basic system of top mounted roller shutters. The inspection hatch is mounted on the front part of the shutter box. They can be installed on windows which frame's max. thickness does not exceed 95 mm. This system cannot have mosquito net. CC1000 roller shutters system is perfect solution for houses and industrial facilities.



The CC1000 shutter box with an open revision hatch.



The CC1000 shutter box has a revision hatch from the front, and therefore it can be build over only from the outside. The service access to the shutter box is possible form the apartment.



# TL1000<sup>®</sup>



TL1000 is one of the best roller shutter system that can be used in new buildings and these modernized as well. The inspection hatch is installed on the bottom of the box- that gives the possibility of covering the shutter box from the inside of the apartment. They can be installed on windows which frame's max thickness does not exceed 95 mm. This system cannot have mosquito net.



The TL1000 shutter box with an open revision hatch.



The TL1000 shutter box mounted on the wall

# TP1000K®



TP1000K is a system that can be mounted on wide window frames, even up to 202 mm (with broadening to 264 mm). Using an expanding elements, we increase the depth of the box by 31 mm or 62 mm. This system gives a possibility to install revision hatch from the bottom (with a build-up shutter box from the inside) or from the front (during the installation on a wide window frame). The possible service is either manual- with the use of a tape/cord- or electric- with the use of switch or remote control.



The TP1000K roller shutter with an open bottom revision hatch.



The TP1000K roller shutter with an open front revision hatch.



The TP1000K roller shutter can be installed from the internal and external side. Front profiles additionally rifled and equipped with plaster slats facilitate the installation. The revision hatch in this type of system occurs from the bottom and the roller shutter is operated from the inside.



The TP1000K roller shutter installed from the outer side. The external front profile is grooved and equipped with a plaster slat. In order to have a more aesthetic look, the internal front profile is smooth. The type of installation depends on choice of the revision hatch. The revision hatch in such a build-up installation occurs from the bottom or from the front and the handling of the shutter takes place from the inside of the room. The TP1000K shutter with a revision hatch from the front may be installed only from the outside. On the other hand, with the cover from the bottom it may be installed from the outside and from the inside. Additionally, the front elements of the shutter may be grooved and equipped with plaster slats facilitating the building up of boxes.



The TP1000K roller shutter is installed from the internal side. The internal front profile is grooved and equipped with a plaster slat. In order to have a more aesthetic look, the external front profile is smooth. The revision hatch in this type of system occurs from the bottom and the roller shutter is operated from the inside.



The TP1000K roller shutter is non-built-up on both sides. For aesthetic reasons the front profiles on both sides are smooth. The revision cover in such an installation occurs from the bottom or from the front and the handling of the shutter takes place from the inside of the room.



# TP1000K® with mosquito net



TP1000K is a system that can be mounted on broad window frames, even up to 188 mm (with a broadening up to 250 mm). Using an expanding elements we increase the depth of the shutter box by 31 mm or 62 mm. Within this system revision hatch can be from the bottom (with an installation box from the inside), or from the front (during the installation on a wide window frame). The possible service is either manual - with the use of tape/cord- or electric - with the use of a switch or a remote control. The version with a mosquito net effectively protects the room against insects, as well as any kinds of pollen, leaves and dirt. At the same time it does not limit access to fresh air and daylight.



The TP1000K roller shutter with an open bottom revision hatch.



The TP1000K roller shutter with an open front revision hatch.



The TP1000K roller shutter is installed from the internal and external side. Front profiles additionally rifled and additionally equipped with plaster slats facilitate the installation. The revision hatch in this type of system occurs from the bottom and the roller shutter is operated from the inside.



The TP1000K roller shutter installed from the outer side. The external front profile is grooved and equipped with a plaster slat. In order to have a more aesthetic look, the external front profile is smooth.

The selection of a revision cover results in the way of installation of boxes. The revision hatch in such a build-up installation occurs from the bottom or from the front and the handling of the shutter takes place from the inside of the room.

The TP1000K roller shutter with a revision hatch from the front may be installed only from the outside. On the other hand, with the cover from the bottom it may be installed from the outside and from the inside.

Additionally, the front elements of the shutter may be grooved and additionally equipped with plaster slats facilitating the building up of boxes.



The TP1000K roller shutter is installed from the internal side. The internal front profile is grooved and equipped with a plaster slat. In order to have a more aesthetic look, the external front profile is smooth. The revision hatch in this type of system occurs from the bottom and the roller shutter is operated from the inside.



The TP1000K roller shutter is non-built-up on both sides. For aesthetic reasons the front profiles on both sides are smooth.

The revision hatch in such installation occurs from the bottom or from the front and the handling of the shutter takes place from the inside of the room.

# MX1200<sup>®</sup>



MX1200 is a system of roller shutters dedicated for renovation and monoblock windows. The specific construction of the shutter box with an inspection hatch at the front allows for mounting a roller shutter on the window frames of 60 to 180mm. The rounded bottom edge of the inspection hatch and the ability to use end caps on the access cover and the box sides increase the aesthetics significantly. The operation is possible both manual using a tape and electric using a switch or a remote control.



The MX1200 shutter with an open revision cove.



Box of MX1200 roller shutter is adapted for mounting in the insulation layer which allows for mounting MX1200 roller shutters with windows in the monoblock system.



MX1200 roller shutter can be mounted with windows in the renovation system. This system is used to mount roller shutters with a window without removing old frames.



The MX1200 shutter on the wall.





# FRONT MOUNTED ROLLER SHUTTERS

## ST2000®

ST2000 with mosquito net



## RL2000®

RL2000 with mosquito net



## OS2000®

OS2000 with mosquito net



## OL2000®

OL2000 with mosquito net



## IT2000®

IT2000 with mosquito net



# ST2000<sup>®</sup> with mosquito net



The shutter box cut at an angle of 45 degrees is installed on windows or facades. This system is the simplest solution in technical and economic terms. The size of the box depends on the whole height of the shutter and the type of profile. This often determines the method of installation. The lowered roller shutter is an additional thermal shield with insulation properties. The layer of air between the lowered curtain of the shutter and the window impedes exchange of the heat between the interior and exterior. It enables saving thermal energy necessary for heating of the rooms, while on hot days it protects against

their excessive heating. There is a version either with mosquito net or without it.



## A TYPE OF INSTALLATION

The whole shutter box is installed on the building facade.

The drive (belt or cord) are conducted through the rear of the box, then through an opening in the wall into the rooms. We perform this installation after the installation of windows.



## B TYPE OF INSTALLATION

The whole shutter box is screwed on a window frame.

The output of the drive (cord) is through the window frame. It should be remembered to insert the shutter box with guides into the window recess.



## C TYPE OF INSTALLATION

The shutter box is mounted conversely inside the window recess.

Remember that between the shutter and the window there would be a place for the opening of the revision hatch. Also take into consideration that the curtain is also reversed (from the outside we can see its back).



# RL2000<sup>®</sup> with mosquito net



RL2000 is a roller shutter system similar to ST2000 but with an oval shutter box. Preserving an interesting style, it constitutes the simplest solution in technical and economic terms. The size of the box depends on the whole height of the shutter and the type of profile. There are two versions, with mosquito net or without it. The version with a mosquito net effectively protects the room against insects, as well as any kinds of pollen, leaves and dirt. At the same time it does not limit access to fresh air and daylight.



## A TYPE OF OF INSTALLATION

The whole roller shutter is mounted on the building facade.

The drive (belt or cord) are conducted through the rear of the box, then through an opening in the wall into the rooms. We perform this installation after the installation of windows.



## B TYPE OF INSTALLATION

The whole roller shutter is screwed on a window frame.

The output of the drive (cord) is through the window frame. It should be remembered to insert the shutter box with guides into the window recess.

# OS2000<sup>®</sup> with mosquito net



The semi-circular shape of the OS2000 shutter box gives the window an elegant appearance. Moreover, the semi-circular caps for the guides are also available. The size of the box depends on the whole height of the shutter and the type of profile. The version with a mosquito net effectively protects the room against insects, as well as any kinds of pollen, leaves and dirt. At the same time it does not limit access to fresh air and daylight.



## A TYPE OF INSTALLATION

The whole shutter is mounted on the building facade.

The drive (belt or cord) are conducted through the rear of the box, then through an opening in the wall into the rooms. We perform this installation after the installation of windows.



## B TYPE OF INSTALLATION

The whole shutter is screwed on a window frame.

The output of the drive (cord) is through the window frame. It should be remembered to insert the shutter box with guides into the window recess.



# OL2000<sup>®</sup> with mosquito net



THE EXTRUDED BOX made in the technology of pressing aluminium.

Elegance and harmony in combination at an affordable price. It constitutes the simplest solution in technical and economic terms, at the same time preserving an interesting style. The size of the box depends on the whole height of the shutter and the type of armouring. There are also available semi-circular caps for the guide rails. The version with a mosquito net effectively protects the room against insects, as well as any kinds of pollen, leaves and dirt. At the same time it does not limit access to air and daylight.



## A TYPE OF INSTALLATION

The whole roller shutter is mounted on the building facade.

The drive (belt or cord) are conducted through the rear of the box, then through an opening in the wall into the rooms. We perform this installation after the installation of windows.



## B TYPE OF INSTALLATION

The whole roller shutter is screwed on a window frame.

The output of the drive (cord) is through the window frame. It should be remembered to insert the shutter box with guides into the window recess.

## IT2000<sup>®</sup> with mosquito net



This system is a connection of the front mounted shutter with a top mounted shutter. The basic advantage of this system is the fact that it can be installed without enlarging the window holes and at the same time build up the box, as a result of which we would not reach a visual effect, as in the case of top mounted shutters. With a shutter of this type the whole box remains outside the building and service access is ensured through a revision cover in the lower part. The version with a mosquito net effectively protects the room against insects, as well as any kinds of pollen, leaves and dirt. At the same time it does not limit access to air and daylight.



**IT2000 with a mosquito net** - installation without enlarging.



**IT2000 with a mosquito net** - installation with enlarging.



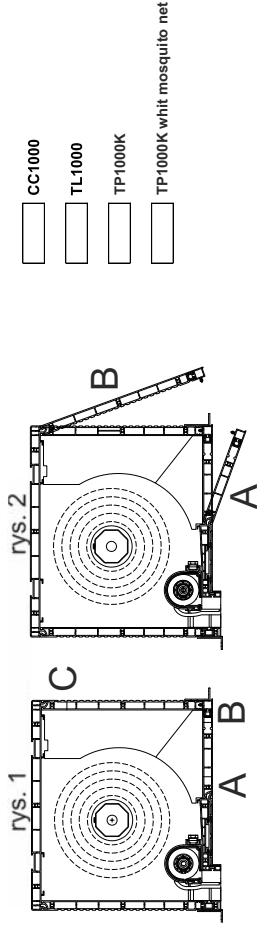
ORDER FORM - TOP MOUNTED ROLLER SHUTTERS: for window profile .....  
This order form include PORTOS-CC1000. In case of ordering TL1000, TP1000K,  
TP1000K with mosquito please fill in with „X” required box on the form

TP1000K adapter: ☐ NPS-010 + NPL-020  
☐ NPS-011

No. <input type="text"/>	Order Date: <input type="text"/>	Delivery Date: <input type="text"/>
<div></div>	<div></div>	<div></div>

Purchaser stamp:

Delivery address (if different from ordering address):



No	Size of roller shutter [cm] (include top box and guides)		Mosquito net width - TP1000K only (divided)	Shutter box size [mm]	Output of tape A,B or C - TP1000K only (rys. 1)	Guide type(PVC, ALU, single, double) - ALU - TP1000K only	PVC guide cut angle (from 0° to 45°)	Inspection hatch place A or B (rys. 2) - TP1000K only	Box colour		Inspection hatch colour (TL1000, TP1000K only)	Guide colour	Profile type	Profile colour (available colours only)	Bottom lath colour	Mosquito net			Manual			Spring + multipoint lock	Tubular motor	Operation (looking from inside)		Concealed Lath colour (TL1000, TP1000K)		Remarks: e.g. roller tape colour, tape colour, Extra accessories: e.g. Bolt Set/Automatic Bolts in bottom lath, blocking hanger, swith button etc.
	width	height							int.	ext.						Net colour	Bottom Lath colour	Type	Box with crank gear	Carden - cranking mechanism	Left			Right	external	internal		
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												

Notes/sketch/drawing (view from inside only)  
Please familiarize with explanation before filling out this form.  
Notice: any changes in order form text boxes may lead to mistaken order realization. Such type pdf complaint will not be taken for consideration.  
Hiermit erkläre ich, dass ich an Sie die personenbezogenen Daten der natürlichen Person zur Auftragsabwicklung auf der Grundlage der Einwilligung zur Verarbeitung der personenbezogenen Daten gem. der Verordnung (EU) 2016/679 des Europäischen Parlaments und des Rates vom 27. April 2016 übermittle.





## ORDER FORM - FRONT MOUNTED ROLLER SHUTTERS

This order form include ST2000. In case of ordering ST2000 with mosquito net, RL2000, RL2000 with mosquito net, OS2000, OS2000 with mosquito net, OL2000, OL2000 with mosquito net, IT2000, IT2000 with mosquito net please fill in with "X" required box on the form.

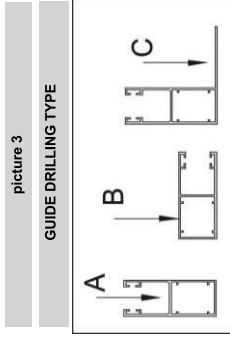
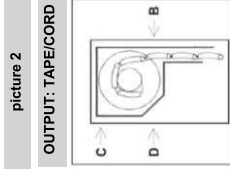
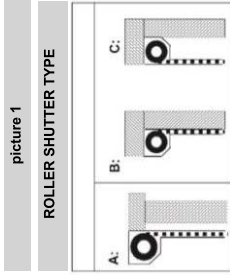
No.

Order Date:

Delivery Date:

Purchaser stamp:

Delivery address (if different from ordering address)



	ST2000
	ST2000 with mosquito net
	RL2000
	RL2000 with mosquito net
	OS2000
	OS2000 with mosquito net
	OL2000
	OL2000 with mosquito net
	IT2000
	IT2000 with mosquito net

No.		Size of roller shutter [cm] (include top box and guides)		Roller Shutter type (pic.1)	Top Box size [mm]	Output: (tape, cord, cable) not include IT2000 (pic.2)	Guide Type (single, double, angular)	Guide drilling type (pic.3)	Top Box colour/ INTERMO inspection hatch/concealed lath	Concealed Lath type - for IT2000 (LT ZERO LT19 or LT20)	Top Box colour (for box in 22, 30, 48, 54 colour only)	Guide colour	Colour of Oval Guide Cover (NPPDO 53 or NPPDO 79)	Profile Type	Profile colour (available colours only)	Bottom lath colour	Mosquito net		Manual			spring + multipoint lock in lath + 2 keys set + handles	Cardan: Cranking mechanism	NHK output	Operation (looking from inside)		Remarks: e.g. roller tape/cord colour, tape/cord colour, Extra accessories: e.g. Bolt Set/Automatic Bolts in bottom lath, blocking hanger, with button etc.
		width	height														Net colour	Bottom lath colour	Tape	Box with crank gear	Cord				Left	Right	
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											

Notes/sketch/drawing (view from inside only)

Please familiarize with explanation before filling out this form.

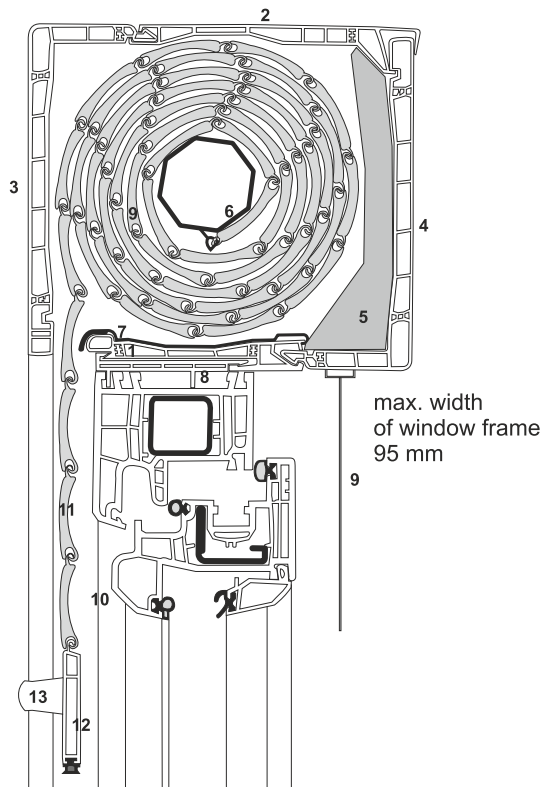
Notice: any changes in order form text boxes may lead to mistaken order realization. Such type of complaint will not be taken for consideration.

Hiermit erkläre ich, dass ich an Sie die personenbezogenen Daten der natürlichen Person zur Auftragsabwicklung auf der Grundlage der Einwilligung zur Verarbeitung der personenbezogenen Daten gem. der Verordnung (EU) 2016/679 des Europäischen Parlaments und des Rates vom 27. April 2016 übermittle.



**RECOMMENDED BOX SIZE  
FOR A GIVEN  
ROLLER SHUTTER HEIGHT**

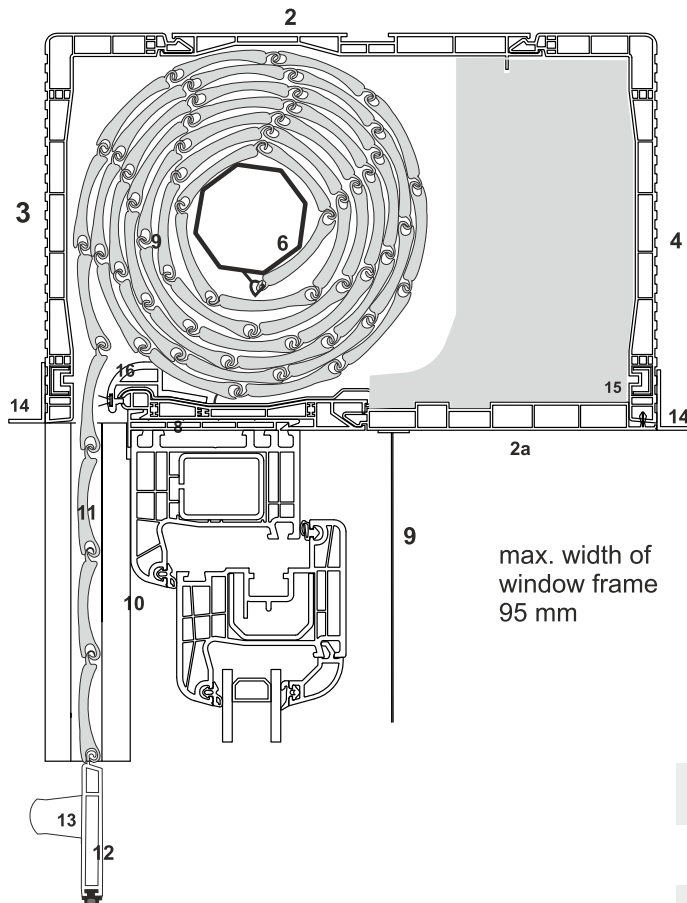
## TOP MOUNTED ROLLER SHUTTER PORTOS CC1000 - CROSS-SECTION



1. Case mounting profile – Rk2
2. Case connecting profile – Rk3
3. External hatch – RK4,RK5,RK6
4. Internal (inspection) hatch – RK4,RK5,RK6
5. Thermo-insulating input
6. Octagonal pipe
7. Steel reinforcement of the case
8. Adapting profile
9. Tape
10. Shutter guide with brush seal
11. Shutter profile filled with polyurethane foam
12. Bottom lath with rubber seal
13. Bottom lath buffer

Case type	Case height	Case depth
RV 100	135 mm	162 mm
RV 200	160 mm	186 mm
RV 300	200 mm	225 mm

## TOP MOUNTED ROLLER SHUTTER PORTOS TL1000 - CROSS-SECTION



1. Case mounting profile - RK2
2. Case connecting profile – PGL1, PGL2
- 2a. Inspection hatch – PKL1
3. External hatch - RK5,RK6
4. Internal (inspection) hatch – RKT5, RKT6
5. Thermo-insulating input
6. Octagonal pipe
7. Steel reinforcement of the case – RA10
8. Adapting profile
9. Tape
10. Shutter guide with brush seal
11. Shutter profile filled with polyurethane foam
12. Bottom lath with rubber seal
13. Bottom lath buffer
14. Concealed lath of the case
15. Steel reinforcement of the case – Ra2
16. Middle slider

CASE TYPE	CASE HEIGHT	CASE DEPTH
BPR-160	160 mm	253 mm
BPR-200	200 mm	253 mm



# CC1000®

## PA-39, PA-45 – aluminium profile 39mm and 45mm (including end caps)

	width 0,35 - 2m, max. surface 6,5m <sup>2</sup>			width 0,35 - 2,5m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3m, max. surface 6,5m <sup>2</sup>		
BOX SIZE	Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
PVC	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB.	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB
PSK-135 Size 135 mm	136	132	116	118 (*)	X	X	X		X
PSK-160 Size 160 mm	202	198	202	194	190	163	138		129
PSK-200 Size 200 mm	319	319	311	311	307	272	241		219

## PCV-37 – PVC profile 37mm (including end caps - insert clips)

width 0,35 - 1,6m, max. surface 3m<sup>2</sup>

BOX SIZE	Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
PCV	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB.	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB
PSK-135 Size 135 mm	155	X	133	117 (*)	X	X
PSK-160 Size 160 mm	233	X	214	219	X	192
PSK-200 Size 200 mm	384	X	347	341	X	325

**Note!** If the width of roller shutter exceeds 2m, pipe ø 60 is recommended.

(\*) there is no possibility of assembling a motor with NHK (emergency han crank) in case size 135 mm.

PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70.

### STANDARD

Curtain	Available colours for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PVC 37 – no additional charge
Bottom lath	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Bottom lath buffer
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Tape roller	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
SUB RKZ66	Steel side handles
End caps of the guides	1At a 5 degrees angle – charge free (according to the customer's wish)
Cutting guides under an angle	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Curtain	PA 39 steel anthracite DB703 (24)	5%
Shutter box	Enlargement of the shutter box	5%
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
Guide	Veneering of the guide - Veneer Colour Chart and turnaround times – see page 2	8%
	Guide extension	5€/rm
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
WSP RA-10	Steel case reinforcement (exceeding 2m)	7€/rm
PURS	PURS 10 x 2mm x 12,5mb expansion tape	6€/pc.
External concealed lath	Colours: white (LT-02), light brown (LT-09), dark brown (LT-08), anthracite (LT-23)	2,50€/rm
Case widening < 5,5 cm	The service of the roller shutter case widening up to 5,5cm (side of the case made of white, 5mm-thick plexi)	25€/pc.
Case widening ≥ 5,5 cm	The service of the roller shutter case widening from 5,5cm	25€/pc.

# TL1000®

## PA-39 and PA-45 curtain (including profile plugs)

Type of the box	width 0.35 - 2 m, max. area 6.5 m <sup>2</sup>			width 0.35 - 2.5 m, max. area 6.5 m <sup>2</sup>			width 0.35 - 3 m, max. area 6,5 m <sup>2</sup>		
	Max. height of the shutter with box			Max. height of the shutter with box			Max. height of the shutter with box		
		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)
PVC	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB.	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB
160 mm	202	198	202	194	190	156	138		129
200 mm	319	319	311	311	307	272	241		219
200 mm+stabilizing console	300	300	311	311	307	272	241		219
200 mm+stabilizing console	210	210	214	195	195	199	167		153

Note! When using the KNS, KNS-WSP stabilizing console, it is necessary to decrease the values given in the recommended box sizes: at the width of 0 - 2m - by 30 cm, width of 2.01-2.5m - by 40 cm, width of 3m and max. area of 6.5 m<sup>2</sup> - by 30 cm (concerns box 160 mm, box 200 acc. table above).

## PVC-37 curtain (including profile plugs)

width from 0.35 m to 1.6 m, max. area. 3 m<sup>2</sup>

Type of the box	Max. height of the shutter with box			Max. height of the shutter with box		
		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)
PVC	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB.	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB
160 mm	233	X	170	219	X	192
200 mm	384	X	355	341	X	321
200 mm+stabilizing console	327	X	327	315	X	315
200 mm+stabilizing console	201	X	204	186	X	186

Note! With the shutter width of more than 2 m, use ø 60. In addition, the box reinforcement - WSP is recommended for a width of more than 2 m. When using the reinforcement, values given in the tables should be reduced by 20 cm. For each shutter it is recommended to include SKM mounting anchors counting 40 cm from the side of the box, each subsequent anchor is installed every 50 cm. For shutters with a width of more than 1.80 m it is advisable to include stabilizing consoles. When using a stabilizing console, consider the smaller box sizes (concerns box 160 mm, box 200 acc. table above). PZ - expansion ring from ø 40 to ø 50 or from ø 60 to ø 70.

### STANDARD

Curtain	Available colours for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PVC 37 – no additional charge
Bottom lath	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Bottom lath buffer
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Tape roller	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
SUB RKZ66	Steel side handles
End caps of the guides	At a 5 degrees angle – charge free (according to the customer's wish)
Cutting guides under an angle	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Curtain	PA 39 steel anthracite DB703 (24)	5%
Shutter box	Enlargement of the shutter box	5%
Inspection hatch	Veneering of the inspection hatch– Veneer Colour Chart and turnaround times – see page 2	3%
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), cream white (15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
Guide	Veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	8%
	Guide extension	5€/rm
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
WSP RA-10	Steel case reinforcement (exceeding 2m)	7€/pc.
PURS	PURS 10 x 2mm x 12,5mb expansion tape	6€/pc.
KNS - 160	Stabilizing console for shutter box 160	15€/pc.
KNS - 200	Stabilizing console for shutter box 200	15€/pc.
KNS - WSP - 160	Stabilizing console for a shutter box 160, when WSP is used	15€/pc.
KNSK - 200 WSP	Stabilizing console for a shutter box 200, when WSP is used	15€/pc.
SKM	Steel assembly anchor	0,50€/pc.
External concealed lath	Colours: white (LT-02), light brown (LT-09), dark brown (LT-08), anthracite (LT-23)	2,50€/rm
Adapting profile RN-1 70	Universal adapting profile with aluminium infill-white	5€/rm
	Universal adapting profile with aluminium infill-veneered: smooth anthracite (10), anthracite (12), mahogany (22), walnut (30), swamp oak (34), golden oak (48), Winchester (54), grey (99)	6€/rm
Case widening < 5,5 cm	The service of the roller shutter case widening up to 5,5cm (side of the case made of white, 5mm-thick plexi)	25€/pc.
Case widening ≥ 5,5 cm	The service of the roller shutter case widening from 5,5cm	25€/pc.

# TP1000K®

## PA-39, PA-45, 52 - aluminium profile 39mm, 45mm and 52mm (including end caps)

Box size	width 0,35 - 2m, max. surface 6,5m <sup>2</sup>			width 0,35 - 2,5m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3,7m, max. surface 8m <sup>2</sup>		
	Maximum height of shutte (including the box size)/cm			Maximum height of shutte (including the box size)/cm			Maximum height of shutte (including the box size)/cm			Maximum height of shutte (including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
PVC	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB.	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB	PA-52 ø 60+PZ70	PA-52 ø 60-rygiel	PA-52 ø 60-WB
180 mm	236	232	230	212	200	216	169	169	169	132	x	153
220 mm	349	340	349	328	298	298	255	255	255	212	x	212
250 mm	418	418	418	402	402	402	334	334	334	239	x	265
180 mm+konsola statyczna	169	165	177	158	154	142	129	129	120	101	x	111
220 mm+konsola statyczna	302	302	302	290	290	290	255	255	245	212	x	212
250 mm+konsola statyczna	418	418	418	402	402	402	334	334	334	239	x	265
180 mm+dodatkową wkładką styrop.	138	134	134	95	91	95	93	93	93	64	x	76
220 mm+dodatkową wkładką styrop.	250	250	250	212	204	204	173	173	173	170	x	180
250 mm+dodatkową wkładką styrop.	418	418	418	402	402	402	334	334	334	239	x	265

## PVC-37, PVC-52 - PVC profile 37mm and 52mm (including end caps - insert clips)

Box size	width 0,35 - 1,6m, max. surface 3m <sup>2</sup>						width 0,35 - 1,6m, max. surface 4,3m <sup>2</sup>		
	Maximum height of shutte (including the box size)/cm			Maximum height of shutte (including the box size)/cm			Maximum height of shutte (including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
PVC	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB.	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB	PVC-52 ø 60+PZ70	PVC-52 ø 60-rygiel	PVC-52 ø 60-WB
180 mm	236	x	236	217	x	210	157	x	161
220 mm	360	x	340	317	x	325	212	x	212
250 mm	431	x	443	420	x	417	272	x	261
180 mm+konsola statyczna	165	x	165	151	x	151	119	x	119
220 mm+konsola statyczna	314	x	329	270	x	270	212	x	212
250 mm+konsola statyczna	431	x	443	420	x	417	272	x	261
180 mm+dodatkową wkładką styrop.	132	x	136	121	x	114	67	x	67
220 mm+dodatkową wkładką styrop.	240	x	206	199	x	195	170	x	180
250 mm+dodatkową wkładką styrop.	431	x	443	420	x	417	272	x	261



# TP1000K®

## STANDARD

Curtain	Available colours for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PA 52, PVC 37, PVC 52– no additional charge
Bottom lath	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Bottom lath buffer
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Tape roller	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
NPS-011, NPS-010 adapter	KLIK universal adapting profile (up to 180cm width) or slide profile (reinforced with aluminium input NPL-020)
SUB NPT 56 mm	Steel side handles (NPT-140, NPT-040, NPT-150)
NPW-065	Additional graphite insert for the box 180, 220, 250 without a mosquito net - free (upon the customer's request)
NPW-140 L/P	Styrofoam inserts for the box sides 180
NPW-090 L/P	Styrofoam inserts for the box sides 220
NPW-160 L/P	Styrofoam inserts for the box sides 250
End caps of the guides	At a 5 degrees angle – charge free (according to the customer's wish)
Cutting guides under the angle	Charge free – according to the customer's wish

## FOR ADDITIONAL CHARGE

Curtain	PA 39 steel anthracite DB703 (24)	5%
Inspection hatch	Veneering of the inspection hatch– Veneer Colour Chart and turnaround times – see page 2	3%
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), cream white (15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
PVC NPR-020 guide	Veneering of the guide – Veneer Colour Chart and turnaround times – see page 2	8%
Guide	Guide extension	6€/rm
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
WSP GW / WSP GZ	Top steel reinforcement of the shutter box without a mosquito net, internal or external NPT-020	2€/rm
WSP D	Bottom steel reinforcement of the shutter box without a mosquito net NPT-010	3,75€/rm
PURS	PURS 10 x 2mm x 12,5mb expansion tape	6€/pc.
External/internal concealed lath	Colours: white (NPL-010-02), light brown (NPL-020-09), dark brown (NPL-010-08), anthracite (NPL- 010-23)	2,50€/rm
SUB NPT 30 mm L/P	Steel side handle (NPT-120, NPT-030, NPT-130)	11€/set
SKM NPT-050	Steel assembly anchor	0,50€/pc.
ALU NPR-040 guide	Powder coated: silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)	9,75€/rm
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	12,25€/rm
	Powder coated: according to RAL Colour Chart	14,75€/rm
	veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	13,25€/rm
NPD-090	Cap for the curtain channel in the guide NPR-010 and NPR-020 white	1,25€/rm
	Veneering of the cap for the curtain channel in the guide NPR-010 and NPR-020 (Veneer Colour Chart- see page 2)	2,75€/rm
NPD-080	Cap for the insect screen channel in the guide NPR-010 and NPR-030 white	1,25€/rm
	Veneering of the cap for the insect screen channel in the guide NPR-010 and NPR-020 (Veneer Colour Chart- see page 2)	2,75€/rm
NPD-010 L/P	End caps for the box sides 180 (available only in boxes without enlargement)	1,25€/set
NPD-020 L/P	End caps for the box sides 220 (available only in boxes without enlargement)	1,25€/set
NPD-030 L/P	End caps for the box sides 250 (available only in boxes without enlargement)	1,25€/set
NPD-110	End cap covering the front connection of two boxes 180	1€/pc
NPD-150	End cap covering the front connection of two boxes 220	1€/pc.
NPD-100	End cap covering the front connection of two boxes 250	1€/pc.
NPD-120	End cap covering the bottom connection of two boxes 180, 250	0,75€/pc.
NPD 160	End cap covering the bottom connection of two boxes 220	0,75€/pc.
NPTK - 010	Stabilizing console for shutter box 220mm without the bottom reinforcement	15€/pc.
NPTK - 020	Stabilizing console for shutter box 220mm with the bottom reinforcement	15€/pc.
NPTK-030	Stabilizing console for 180 mm box without bottom reinforcement	15€/pc.
NPTK-040	Stabilizing console for 180 mm box with bottom reinforcement	15€/pc.
NPTK-050	Stabilizing console for 250 mm box without bottom reinforcement	15€/pc.
NPTK-060	Stabilizing console for 250 mm box with bottom reinforcement	15€/pc.
Case widening < 5,5cm	The service of the roller shutter case widening up to 5,5cm (side of the case made of white, 5mm-thick plexi)	25€/pc.
Case widening ≥ 5,5cm	The service of the roller shutter case widening from 5,5cm	25€/pc.
PGS-31 B	Box enlargement 220/250 by 31 mm white	4€/rm
PGS-31 B+D	Box enlargement 220/250 by 31 mm white + decor	4,75€/rm
PGS-31 D	Box enlargement 220/250 by 31 mm decor	5,50€/rm
PGS-62 B	Box enlargement 220/250 by 62 mm white	8€/rm
PGS-62 B+D	Box enlargement 220/250 by 62 mm white + decor	9,50€/rm
PGS-62 D	Box enlargement 220/250 by 62 mm decor	11€/rm

# TP1000K<sup>®</sup>

## WITH MOSQUITO NET

PA-39, PA-45, 52 - aluminium profile 39mm, 45mm and 52mm (including end caps)

width 0,55 - 1,8m, max. surface 4,5m<sup>2</sup>

Box size	Maximumheight of shutte (including the box size)/cm			Maximumheight of shutte (including the box size)/cm			Maximumheight of shutte (including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
<b>PVC</b>	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB.	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB
<b>180 mm</b>	168	168	168	150	158	161	120	120	124
<b>220 mm</b>	230	212	212	212	204	204	173	173	137
<b>250 mm</b>	265	265	265	265	265	265	265	265	265
<b>180 mm+konsola statyczna</b>	168	168	168	150	158	161	120	120	124
<b>220 mm+konsola statyczna</b>	230	212	212	212	204	204	173	173	137
<b>250 mm+konsola statyczna</b>	265	265	265	265	265	265	265	265	265
<b>180 mm+dodatkową wkładką styrop.</b>	168	168	168	150	158	161	120	120	124
<b>220 mm+dodatkową wkładką styrop.</b>	230	212	212	212	204	204	173	173	137
<b>250 mm+dodatkową wkładką styrop.</b>	265	265	265	265	265	265	265	265	265

PVC-37, PVC-52 - PVC profile 37mm and 52mm (including end caps - insert clips)

width 0,55 - 1,6m, max. surface 3m<sup>2</sup>

Box size	Maximumheight of shutte (including the box size)/cm			Maximumheight of shutte (including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
<b>PVC</b>	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB.	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB
<b>180 mm</b>	168	x	168	168	x	154
<b>220 mm</b>	230	x	206	199	x	195
<b>250 mm</b>	265	x	265	265	x	265
<b>180 mm+konsola statyczna</b>	168	x	168	168	x	154
<b>220 mm+konsola statyczna</b>	230	x	206	199	x	195
<b>250 mm+konsola statyczna</b>	265	x	265	253	x	265
<b>180 mm+dodatkową wkładką styrop.</b>	168	x	168	168	x	154
<b>220 mm+dodatkową wkładką styrop.</b>	230	x	206	199	x	195
<b>250 mm+dodatkową wkładką styrop.</b>	265	x	265	265	x	265

# TP1000K<sup>®</sup>

## WITH MOSQUITO NET

### STANDARD

<b>Curtain</b>	Available colours for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PVC 37-no additional charge
<b>Bottom lath</b>	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Bottom lath buffer
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
<b>Tape roller</b>	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
<b>NPS-011, NPS-010 adapter</b>	KLK universal adapting profile (up to 180cm width) or slide profile (reinforced with aluminium input NPL-020)
<b>SUB NPT 56 mm</b>	Steel side handles (NPT-140, NPT-040, NPT-150)
<b>NPW-075</b>	Additional graphite insert for the box 180, 220, 250 with a mosquito net - free (upon the customer's request)
<b>NPW-150L/P</b>	Styrofoam inserts for the box sides 180 with a mosquito net
<b>NPW-100L/P</b>	Styrofoam inserts for the box sides 220 with a mosquito net
<b>NPW-170L/P</b>	Styrofoam inserts for the box sides 250 with a mosquito net
<b>End caps of the guides</b>	At a 5 degrees angle – charge free (according to the customer's wish)
<b>Cutting guides under the angle</b>	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

<b>Curtain</b>	PA 39 steel anthracite DB703 (24)	5%
<b>Inspection hatch</b>	Veneering of the inspection hatch– Veneer Colour Chart and turnaround times – see page 2	3%
<b>Bottom lath</b>	Powder coated: dark beige(04), light grey(07), green(13), cream white (15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
<b>PCV NPR-020 guide</b>	Veneering of the guide – Veneer Colour Chart and turnaround times – see page 2	8%
<b>Guide</b>	Guide extension	6€/rm
<b>Tape roller 11m</b>	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
<b>WSP GW / WSP GZ / WSP DM</b>	Top steel reinforcement of the shutter box without a mosquito net, internal or external NPT-020	2€/rm
<b>PURS</b>	PURS 10 x 2mm x 12,5mb expansion tape	6€/pc.
<b>External/internal concealed lath</b>	Colours: white (NPL-010-02), light brown (NPL-020-09), dark brown (NPL-010-08), anthracite (NPL- 010-23)	2,50€/rm
<b>SUB NPT 30 mm L/P</b>	Steel side handle (NPT-120, NPT-030, NPT-130)	11€/set
<b>SKM NPT-050</b>	Steel assembly anchor	0,50€/pc.
<b>ALU guide for a mosquit net NPR-050</b>	Powder coated: silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)	13,50€/rm
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	16€/rm
	Powder coated: according to RAL Colour Chart	18,50€/rm
	Veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	17,50€/rm
<b>NPD-090</b>	Cap for the curtain channel in the guide NPR-010 and NPR-020 white	1,25€/rm
	Veneering of the cap for the curtain channel in the guide NPR-010 and NPR-020 (Veneer Colour Chart- see page 2)	2,75€/rm
<b>NPD-080</b>	Cap for the insect screen channel in the guide NPR-010 and NPR-030 white	1,25€/rm
	Veneering of the cap for the insect screen channel in the guide NPR-010 and NPR-030 (Veneer Colour Chart- see page 2)	2,75€/rm
<b>NPD-010 L/P</b>	End caps for the box sides 180 (available only in boxes without enlargement)	1,25€/set
<b>NPD-020 L/P</b>	End caps for the box sides 220 (available only in boxes without enlargement)	1,25€/set
<b>NPD-030 L/P</b>	End caps for the box sides 250 (available only in boxes without enlargement)	1,25€/set
<b>NPD-110</b>	End cap covering the front connection of two boxes 180	1€/pc.
<b>NPD-150</b>	End cap covering the front connection of two boxes 220	1€/pc.
<b>NPD-100</b>	End cap covering the front connection of two boxes 250	1€/pc.
<b>NPD 120</b>	End cap covering the bottom connection of two boxes 180, 250	0,75€/pc.
<b>NPD-160</b>	End cap covering the bottom connection of two boxes 220	0,75€/pc.
<b>NPTK - 010</b>	Stabilizing console for shutter box 220mm without the bottom reinforcement	15€/pc.
<b>NPTK - 020</b>	Stabilizing console for shutter box 220mm with the bottom reinforcement	15€/pc.
<b>NPTK-030</b>	Stabilizing console for 180 mm box without bottom reinforcement	15€/pc.
<b>NPTK-040</b>	Stabilizing console for 180 mm box with bottom reinforcement	15€/pc.
<b>NPTK-050</b>	Stabilizing console for 250 mm box without bottom reinforcement	15€/pc.
<b>NPTK-060</b>	Stabilizing console for 250 mm box with bottom reinforcement	15€/pc.
<b>Mosquito-net</b>	Mesh colours: grey (03), black (20). Colours for bottom lath of mosquito-net: silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)	70€/pc.
<b>Bottom lath of mosquito net</b>	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	5%
	Powder coated: according to RAL Colour Chart	10%
<b>Case widening &lt; 5,5cm</b>	The service of the roller shutter case widening up to 5,5cm (side of the case made of white, 5mm-thick plexi)	25€/pc.
<b>Case widening ≥ 5,5cm</b>	The service of the roller shutter case widening from 5,5cm	25€/pc.
<b>PGS-31 B</b>	Box enlargement 220/250 by 31 mm white	4€/rm
<b>PGS-31 B+D</b>	Box enlargement 220/250 by 31 mm white + decor	4,75€/rm
<b>PGS-31 D</b>	Box enlargement 220/250 by 31 mm decor	5,50€/rm
<b>PGS-62 B</b>	Box enlargement 220/250 by 62 mm white	8€/rm
<b>PGS-62 B+D</b>	Box enlargement 220/250 by 62 mm white + decor	9,50€/rm
<b>PGS-62 D</b>	Box enlargement 220/250 by 62 mm decor	11€/rm



# MX1200®

## PA-39, PA-45 – aluminium profile 39mm and 45mm (including end caps)

width 0,35 - 2m, max. surface 6,5m<sup>2</sup> width 0,35 - 2,5m, max. surface 6,5m<sup>2</sup> width 0,35 - 3m, max. surface 6,5m<sup>2</sup>

Box size	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm		
		with automatic bolt (including the case size)/cm	with blocking hanger (including the case size)/cm		with automatic bolt (including the case size)/cm	with blocking hanger (including the case size)/cm		with automatic bolt (including the case size)/cm	with blocking hanger (including the case size)/cm
<b>PVC</b>	PA 39 ø 40+PZ50	PA 39 ø 40-rygiel	PA 39 ø 40-WB.	PA 39 ø 60+PZ70	PA 39 ø 60-rygiel	PA 39 ø 60-WB	PA 45 ø 60+PZ70	PA 45 ø 60-rygiel	PA 45 ø 60-WB
<b>160 mm</b>	202	198	202	194	190	187	163	163	158
<b>160 mm z konsolą statyczną</b>	198	198	195	187	175	187	136	136	140
<b>160 mm z dodatkową wkładką styropianową</b>	101	101	101	85	85	81	59	59	59
<b>200 mm</b>	343	335	347	344	344	339	279	279	270
<b>200 mm z konsolą statyczną</b>	300	300	339	331	331	316	226	226	226
<b>200 mm z dodatkową wkładką styropianową</b>	206	206	206	195	195	195	162	162	153

## Pancerz PVC 37 (aretowany)

szer. 0,35 - 1,6 m, max. pow. 3 m<sup>2</sup>

Box size	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm		
		with automatic bolt (including the case size)/cm	with blocking hanger (including the case size)/cm		with automatic bolt (including the case size)/cm	with blocking hanger (including the case size)/cm
<b>PVC</b>	PVC 37 ø 40+PZ50	PVC 37 ø 40-rygiel	PVC 37 ø 40-WB.	PVC 37 ø 60+PZ70	PVC 37 ø 60-rygiel	PVC 37 ø 60-WB
<b>160 mm</b>	228	x	215	193	x	200
<b>160 mm z konsolą statyczną</b>	193	x	193	182	x	182
<b>160 mm z dodatkową wkładką styropianową</b>	101	x	101	82	x	82
<b>200 mm</b>	360	x	360	330	x	327
<b>200 mm z konsolą statyczną</b>	327	x	327	315	x	315
<b>200 mm z dodatkową wkładką styropianową</b>	197	x	197	186	x	186

**Note!** If the width of roller shutter exceeds 2m, pipe ø 60 is recommended. Additionally, a case reinforcement (WSP) is recommended. If you decide to put a WSP reinforcement in case construction, the figures presented in the above table must be reduced by 20cm.

PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70.

## STANDARD

<b>Curtain</b>	Available colours for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PVC 37 – no additional charge
<b>Bottom lath</b>	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Bottom lath buffer
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
<b>Tape roller</b>	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
<b>Adapter NRS-010, NRS-110</b>	Adaptation profile universal
<b>SUB</b>	Steel side handles (NRT-020 L/R., NRT-030, NRT-040 L/R (depending on the box)
<b>Guide bottom end caps</b>	Guide bottom end caps inclined at an angle of 5° - free of charge (upon the customer's request)
<b>Cutting guides under an angle</b>	Charge free – according to the customer's wish
<b>Side end caps</b>	NRD-020 side end caps for the box 160mm / NRD-030 for the box 200mm

## FOR ADDITIONAL CHARGE

<b>Curtain</b>	PA 39 steel anthracite DB703 (24)	5%
<b>hutter box</b>	Enlargement of the shutter box	5%
<b>Bottom lath</b>	Powder coated: dark beige(04), light grey(07), green(13), cream white (15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
<b>Guide</b>	veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	8%
<b>Tape roller 11m</b>	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
<b>SKM NPT-050</b>	Steel assembly anchor	0,50€/pc.
<b>NRW-040/080/050</b>	Bottom styrofoam insert for the box 160, 200, 200 with a handle	4€/m
<b>NRTK-010</b>	Stabilizing console for a shutter box 160	12,50€/pc.
<b>NRTK-030</b>	Stabilizing console for a shutter box 200	12,50€/pc.
<b>External concealed lath</b>	External concealed lath - white (LT-02), light brown (LT-09), dark brown (LT-08), anthracite (LT-23)	2,50€/m
<b>PURS</b>	PURS 10 x 2mm x 12,5mb expansion tape	6€/pc.

# TOP MOUNTED ROLLER SHUTTERS - SN5000®

## RECOMMENDED EPS BOX SIZES

### Recommended box size for SN5000® roller shutter without mosquito net

PA-52 curtain (including lateral caps) / ZF3000  
0,35-3,7 m wide, max. area 8,0 m<sup>2</sup> - PA-52  
0,67-4,50 m wide, max. area 16,0 m<sup>2</sup> - ZF3000

PVC-52 curtain (including lateral caps) / ZF3000  
0,35-1,6 m wide, max. area 4,3 m<sup>2</sup> - PVC-52  
0,67-4,50 m wide, max. area 16,0 m<sup>2</sup> - ZF3000

Type of the box	Max. height of the roller shutter with box			
		with blocking bracket (cm)	with external blind ZF3000 (cm)	
EPS	PA-52 ø 60+PZ70	PA-52 ø 60-WB	C80	Z90
300 mm	239	260	187	307
365 mm	239	260	187	307

Type of the box	Max. height of the roller shutter with box			
		with blocking bracket (cm)	with external blind ZF3000 (cm)	
EPS	PVC-52 ø 60+PZ70	PVC-52 ø 60-WB	C80	Z90
300 mm	280	270	187	307
365 mm	280	270	187	307

Type of the box	Height of the box	Depth of the box
PSK-300	309 mm	300 mm
PSK-365	309 mm	365 mm

### Recommended box size for SN5000® roller shutter with mosquito net

PA-52 curtain (including lateral caps)  
0,67-1,8 m wide max. area 4,5 m<sup>2</sup>

PVC-52 curtain (including lateral caps)  
0,67 m to 1,6 m wide; max. area 4,3 m<sup>2</sup>

Type of the box	Max. height of the roller shutter with box	
		with blocking bracket (cm)
EPS	PA-52 ø 60+PZ70	PA-52 ø 60-WB
300 mm	249	239
365 mm	249	239

Type of the box	Max. height of the roller shutter with box	
		with blocking bracket (cm)
EPS	PVC-52 ø 60+PZ70	PVC-52 ø 60-WB
300 mm	254	254
365 mm	254	254

Type of the box	max. window frame thickness		
	Internal cover	External cover	External blind
PSK-300	90 mm	195 mm	150 mm
PSK-365	90 mm	255 mm	210 mm

Note! The minimum width of the roller shutter with mosquito net and slowing system is 67 cm. For roller shutters with PA-52 curtain and a width of more than 1.8 m it is advisable to include a stabilizing console. For roller shutters with external blind, it is advisable to include a stabilizing console of over 1.5 m.

### STANDARD

Curtain	All available colors PA 52, PVC 52 - no extra charge
Bottom lath*,**	Silver (01), white (02), gray (03), beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Stoppers
	Veneering the bottom lath - veneer color list and completion time - cover
Bottom lath***	Steel anthracite (DB 703), anthracite (7016), light gray (7035), black (9005), silver (9006), gray aluminium (9007), white (9016), beige (VSR 240), olive (VSR 780)
Tape coiler*	In white, brown or anthracite on request 5 m (up to a height of 240 cm, up to 12 kg)
SUB	Steel side handles (RST-020L/P, RST-030L/P, RST-040L/P, RST-050L/P - depending on the box)
External concealed lath*,**	White (02)
External concealed lath***	Silver (01), white (02), gray (03), beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
End caps of guides	Inclined at an angle of 5° - free (on the customer's request)
Cutting the guides at an angle	Free (on customer's request)
Packing	Packing into a rigid carton (box packed in carton, guides packed in bubble wrap)

### FOR ADDITIONAL CHARGE

Box	Box enlargement (box 309x365)	5%
POS SN5000 7CM*	Extension of the roller shutter box by 7 cm	35€/set
POS SN5000 10CM*	Extension of the roller shutter box by 10 cm	35€/set
RSS-080 L/P	Box side insulation	17,50€/set
Inspection cover**	Veneering the inspection cover - veneer color list and completion time - cover	3%
F-USG-A***	Automatic top rail handle	1,25€/pc
Bottom lath*,**	Varnished: dark beige (04), light gray (07), green (13), cream white (15), maroon (19), black (20), steel olive (26), basalt gray (27)	5%
	Varnished: according to the RAL template	10%
RST-010*	Steel reinforcement of the crossbar	6,50€/rm
Guide	Veneering the guides - veneer color list and completion time - cover	3%
Tape coiler 11m *	Applies to roller shutters of over 240 cm (white or brown on request)	6,25€/pc
RSTK-010*	Stabilizing console for box 300, 365	66€/pc
RSTK-020, RSTK-030**,***	Stabilizing console for box 300, 365	74€/pc
External concealed lath*,**	Veneering the external concealed lath - veneer color list and completion time - cover	3%
External concealed lath***	Varnished: dark beige (04), light gray (07), green (13), cream white (15), maroon (19), black (20), steel olive (26), basalt gray (27)	15%
	Steel anthracite (DB 703), anthracite (7016), light gray (7035), black (9005), silver (9006), gray aluminium (9007), white (9016), beige (VSR 240), olive (VSR 780)	
	Varnished: according to the RAL template	30%
RSC-350*	Extension of the internal concealed lath by 15 cm	7,50€/rm
RSS-100	Additional insulation deepening the box by 6 cm	15€/rm
Mosquito net*,**	Net in: gray (03), black (20)	205€/pc
	Bottom lath in: silver (01), white (02), gray (03), beige (05), dark brown (08), brown (09), ivory (16), anthracite (23)	
Mosquito net bottom lath (extra charge per 1 mosquito net)	Varnished: dark beige (04), light gray (07), green (13), cream white (15), maroon (19), black (20), steel olive (26), basalt gray (27)	5%
	Varnished: according to the RAL template	10%

Additional equipment - p. 6.18. Drives - p. 6.1. Colors 04, 07, 13, 15, 19, 20, 26, 27 and according to the RAL template - completion time up to 15 working days. In the case of less popular RAL colors - individual pricing.

\* - Applies only to SN5000 MS RI

\*\* - Applies only to SN5000 MS RA

\*\*\* - Applies only to SN5000 MS RS

# ST2000®

## PA-39, PA-45, PA-52 – aluminium profile 39mm, 45mm and 52 mm (including end caps)

BOX SIZE	width 0,35 - 2m, max. surface 6,5m <sup>2</sup>			width 0,35 - 2,5m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3,7m, max. surface 8m <sup>2</sup>	
	Maximum height of shutter			Maximum height of shutter			Maximum height of shutter			Maximum height of shutter	
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with blocking hanger (including the box size)/cm
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB	PA-52 ø 60+PZ70	PA-52 ø 60-WB
SK-137	152	152	142	126	126	X	X	X	X	X	X
SK-150	197	197	186	182	182	151	126	121	X	X	X
SK-165	250	250	242	236	236	199	163	168	138	120	
SK-180	306	306	310	294	294	282	214	214	196	190	
SK-205	394	394	402	398	398	359	294	294	270	260	

## PCV-37, PCV 52– PVC profile 37mm and 52mm (including end caps - insert clips)

BOX SIZE	width 0,35 - 1,6m, max. surface 3m <sup>2</sup>						width 0,35 - 1,6m, max. surface 4,3m <sup>2</sup>		
	Maximum height of shutter			Maximum height of shutter			Maximum height of shutter		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB	PVC-52 ø 60+PZ70	PVC-52 ø 60-rygiel	PVC-52 ø 60-WB
SK-137	165	X	146	154	X	128	X	X	X
SK-150	222	X	225	188	X	159	127	X	X
SK-165	279	X	338	234	X	227	159	X	175
SK-180	343	X	354	302	X	302	197	X	208
SK-205	386	X	368	383	X	368	272	X	319

Note! If the width of roller shutter exceeds 2m, pipe ø 60 is recommended.

PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70

### STANDARD

Shutter box	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Guide	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Curtain	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PA 52, PVC 37, PVC 52 – no additional charge
Bottom lath	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Tape roller	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
Hole drilling in the guides	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Shutter box	Enlargement of the shutter box	5%
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	15%
	Powder coated: according to RAL Colour Chart	30%
Guide	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	10%
	Guide extension	6,25€/m
Curtain	PA 39 steel anthracite DB703 (24)	5%
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
Roller shutter Decor- colours: 22-mahogany, 30-walnut, 48-golden oak, 54-winchester Available shutter box sizes: 137mm, 165mm, 205mm)	Powder coated shutter box + veneered guides + Powder coated box sides	10%
	RAL: 8017 - mahogany, 8028 - walnut, 8003 - golden oak, 1011 - winchester	
	Powder coated shutter box + veneered guides + decor box sides 22 - mahogany, 30 - walnut, 48 - golden oak, 54 - winchester	17%
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
Cord coiler up to 5m SEL	SELVE cord coiler to 240cm (according to the customer's wish – white or brown)	5€/pc.
Cord coiler up to 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	9€/pc.



# ST2000<sup>®</sup>

## WITH MOSQUITO NET

**PA-39, PA-45 – aluminium profile 39mm and 45mm (including end caps)**  
width 0,55 - 1,8m, max. surface 4,5m<sup>2</sup>

BOX SIZE	Maximum height of shutter			Maximum height of shutter			Maximum height of shutter		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB
SK-137	X	X	X	X	X	X	X	X	X
SK-165	176	179	144	156	156	121	X	X	X
SK-180	224	228	216	200	200	200	X	X	X
SK-205	250	250	250	250	250	250	250	250	250

### PCV-37 ( including end caps - insert clips)

width 0,55 - 1,6m, max. surface 3m<sup>2</sup>

BOX SIZE	Maximum height of shutter			Maximum height of shutter		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB
SK-137	X	X	X	X	X	X
SK-165	168	X	X	146	X	X
SK-180	247	X	X	226	X	X
SK-205	250	X	X	250	X	X

If the width of roller shutter exceeds 2m (for rollers shutters with sections) pipe ø 60 is recommended.

PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70

### STANDARD

Shutter box	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Guide	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Curtain	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PA 52, PVC 37, PVC 52 – no additional charge
Bottom lath	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Tape roller	Possible length for white and brown colour -5mb (up to 240 cm height, up to 12kg)
Hole drilling in the guides	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Shutter box	Enlargement of the shutter box	5%
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	15%
	Powder coated: according to RAL Colour Chart	30%
Guide	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides - Veneer Colour Chart and turnaround times - see page 2	10%
	Guide extension	6,25€/rm
Curtain	PA 39 steel anthracite DB703 (24)	5%
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
Roller shutter Decor- colours: 22-mahogany, 30-walnut, 48-golden oak, 54-winchester Available shutter box sizes: 137mm, 165mm, 205mm)	Powder coated shutter box + veneered guides + Powder coated box sides	10%
	RAL: 8017 - mahogany, 8028 - walnut, 8003 - golden oak, 1011 - winchester	
	Powder coated shutter box + veneered guides + decor box sides 22 - mahogany, 30 - walnut, 48 - golden oak, 54 - winchester	17%
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish - white or brown)	6,25€/pc.
Cord coiler up to 5m SEL	SELVE cord coiler to 240cm (according to the customer's wish - white or brown)	5€/pc.
Cord coiler up to 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish - white or brown)	9€/pc.
Mosquito-net	Mesh colours: grey (03), black (20). Colours for bottom lath of mosquito-net: silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)	70€/pc.
Bottom lath of mosquito net	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
ZSKM	End cap for aluminium guide mosquito net channel	1,25€/rm

# RL2000®

## PA-39, PA-45 – aluminium profile 39mm and 45mm (including end caps)

Box size	width 0,35 - 2m, max. surface 6,5m <sup>2</sup>			width 0,35 - 2,5m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3m, max. surface 6,5m <sup>2</sup>		
	Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm		
	with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm	
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB
SK-150	197	197	194	182	182	151	126		121
SK-180	286	286	298	294	302	267	214		214
SK-205	394	394	402	398	410	359	294		294

## PCV-37, PCV 52– PVC profile 37mm and 52mm (including end caps - insert clips)

width 0,35 - 1,6m, max. surface 3m<sup>2</sup>

Box size	Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB
SK-150	222	X	225	188	X	159
SK-180	343	X	354	302	X	302
SK-205	386	X	368	383	X	368

If the width of roller shutter exceeds 2m, pipe ø 60 is recommended.

PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70.

### STANDARD

Shutter box	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Guide	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Bottom lath	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Curtain	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PA 52, PVC 37, PVC 52 – no additional charge
Tape roller	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
Hole drilling in the guides	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Shutter box	Enlargement of the shutter box	5%
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	15%
	Powder coated: according to RAL Colour Chart	30%
Guide	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	10%
	Guide extension	6,25€/m
Cap for aluminium guides	N/PPDO-53 single, powder coated silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	3,25€/m
	N/PPDO-79 double, powder coated silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	5,25€/m
	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	10%
	Powder coated: according to RAL Colour Chart	20%
PZO	Mounting plate for oval guide cap	0,30€/pc.
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
Curtain	PA 39 steel anthracite DB703 (24)	5%
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
Cord coiler up to 5m SEL	SELVE cord coiler to 240cm (according to the customer's wish – white or brown)	5€/pc.
Cord coiler up to 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	9€/pc.

# RL2000<sup>®</sup>

## WITH MOSQUITO NET

PA-39, PA-45 – aluminium profile 39mm and 45mm (including end caps)

width 0,55 - 1,8m, max. surface 4,5m<sup>2</sup>

Box size	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB
SK-150	108	108	108	X	X	X	X	X	X
SK-180	224	224	216	200	200	200	X	X	X
SK-205	250	250	250	250	250	250	250	250	250

PCV-37– PVC profile 37mm (including end caps - insert clips)

width 0,55 - 1,6m, max. surface 3m<sup>2</sup>

Box size	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB
SK-150	111	X	X	X	X	X
SK-180	247	X	X	226	X	X
SK-205	250	X	X	250	X	X

If the width of roller shutter exceeds 2m, pipe ø 60 is recommended.

PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70.

### STANDARD

Shutter box	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Guide	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Bottom lath	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23) Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Curtain	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PA 52, PVC 37, PVC 52 – no additional charge
Tape roller	Possible length for white and brown colour -5mb (up to 240 cm height, up to 12kg)
Hole drilling in the guides	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Shutter box	Enlargement of the shutter box	5%
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	15%
	Powder coated: according to RAL Colour Chart	30%
Guide	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	10%
	Guide extension	6,25€/rm
Cap for aluminium guides	N/PPDO-53 single, powder coated silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	3,25€/rm
	N/PPDO-79 double, powder coated silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	5,25€/rm
	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	10%
	Powder coated: according to RAL Colour Chart	20%
PZO	Mounting plate for oval guide cap	0,30€/pc.
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
Curtain	PA 39 steel anthracite DB703 (24)	5%
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
Cord coiler up to 5m SEL	SELVE cord coiler to 240cm (according to the customer's wish – white or brown)	5€/pc.
Cord coiler up to 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	9€/pc.
Mosquito-net	Mesh colours: grey (03), black (20). Colours for bottom lath of mosquito-net: silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)	70€/pc.
Bottom lath of mosquito net	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
ZSKM	End cap for aluminium guide mosquito net channel	1,25€/rm

# OS2000®

## PA-39, PA-45, PA-52 – aluminium profile 39mm, 45mm, 52 mm (including end caps)

Box size	width 0,35 - 2m, max. surface 6,5m <sup>2</sup>			width 0,35 - 2,5m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3,7m, max. surface 8m <sup>2</sup>	
	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm	
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with blocking hanger (including the box size)/cm
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB	PA-52 ø 60+PZ70	PA-52 ø 60-WB
SK-137	152	152	142	126	126	0	0		0	X	X
SK-165	250	250	242	236	236	199	163		168	138	120
SK-180	306	306	310	294	294	282	214		214	196	190
SK-205	394	394	402	398	398	359	294		294	270	260

## PVC-37, PVC 52 - PVC profile 37mm and 52 mm (including end caps - insert clips)

Box size	width 0,35 - 1,6m, max. surface 3m <sup>2</sup>						width 0,35 - 1,6m, max. surface 4,3m <sup>2</sup>		
	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB	PVC-52 ø 60+PZ70	PVC-52 ø 60-rygiel	PVC-52 ø 60-WB
SK-137	165	X	146	154	X	128	X	X	X
SK-165	279	X	338	234	X	227	159	X	175
SK-180	343	X	354	302	X	302	197	X	208
SK-205	386	X	368	383	X	368	272	X	319

If the width of roller shutter exceeds 2m, pipe ø 60 is recommended.

PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70.

### STANDARD

Shutter box	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Guide	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Bottom lath	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Curtain	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PA 52, PVC 37, PVC 52 – no additional charge
Tape roller	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
Hole drilling in the guides	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Shutter box	Enlargement of the shutter box	5%
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	15%
	Powder coated: according to RAL Colour Chart	30%
Guide	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	10%
	Guide extension	6,25€/rm
Cap for aluminium guides	NPPDO-53 single, powder coated: silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	3,25€/rm
	NPPDO-79 double, powder coated: silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	5,25€/rm
	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	10%
	Powder coated: according to RAL Colour Chart	20%
PZO	Mounting plate for oval guide cap	0,30€/pc.
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	5%
	Powder coated: according to RAL Colour Chart	10%
Curtain	PA 39 steel anthracite DB703 (24)	5%
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
Cord coiler up to 5m SEL	SELVE cord coiler to 240cm (according to the customer's wish – white or brown)	5€/pc.
Cord coiler up to 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	9€/pc.



# OS2000® WITH MOSQUITO NET

PA-39, PA-45 – aluminium profile 39mm and 45mm (including end caps)

width 0,55 - 1,8m, max. surface 4,5m<sup>2</sup>

Box size	Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB
SK-137	X	X	X	X	X	X	X	X	X
SK-165	176	152	144	156	156	121	X	X	X
SK-180	224	228	216	200	200	200	X	X	X
SK-205	250	250	250	250	250	250	250	250	250

PCV-37 – PVC profile 37mm (including end caps - insert clips)

width 0,55 - 1,6m, max. surface 3m<sup>2</sup>

Box size	Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVCV-37 ø 60-rygiel	PVC-37 ø 60-WB
SK-137	X	X	X	X	X	X
SK-165	168	X	X	146	X	X
SK-180	247	X	X	226	X	X
SK-205	250	X	X	250	X	X

Note! If the width of roller shutter exceeds 2m (concerns the shutters with sections), pipe ø 60 is recommended.  
PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70.

## STANDARD

Shutter box	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Guide	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Bottom lath	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Curtain	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PA 52, PVC 37, PVC 52 – no additional charge
Tape roller	Possible length for white and brown colour -5 mb (up to 240 cm height, up to 12kg)
Hole drilling in the guides	Charge free – according to the customer's wish

## FOR ADDITIONAL CHARGE

Shutter box	Enlargement of the shutter box	5%
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	15%
	Powder coated: according to RAL Colour Chart	30%
Guide	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	10%
	Guide extension	6,25€/rm
Cap for aluminium guides	N/PPDO-53 single, powder coated silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	3,25€/rm
	N/PPDO-79 double, powder coated silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	5,25€/rm
	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	10%
	Powder coated: according to RAL Colour Chart	20%
PZO	Mounting plate for oval guide cap	0,30€/pc.
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	5%
	Powder coated: according to RAL Colour Chart	10%
Curtain	PA 39 steel anthracite DB703 (24)	5%
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
Cord coiler up to 5m SEL	SELVE cord coiler to 240cm (according to the customer's wish – white or brown)	5€/pc.
Cord coiler up to 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	9€/pc.
Mosquito-net	Mesh colours: grey (03), black (20). Colours for bottom lath of mosquito-net: silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)	70€/pc.
Bottom lath of mosquito net	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
ZSKM	End cap for aluminium guide mosquito net channel	1,25€/rm

# OL2000®

## PA-39, PA-45, PA-52 – aluminium profile 39mm, 45mm, 52 mm (including end caps)

Box size	width 0,35 - 2m, max. surface 6,5m <sup>2</sup>			width 0,35 - 2,5m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3,7m, max. surface 8m <sup>2</sup>	
	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm	
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with blocking hanger (including the box size)/cm
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB	PA-52 ø 60+PZ70	PA-52 ø 60-WB
SK-137	152	152	142	126	126	0	0		0	X	X
SK-165	250	250	242	236	236	199	163		168	138	120
SK-180	306	306	310	294	294	282	214		214	196	190
SK-205	394	394	402	398	398	359	294		294	270	260

## PCV-37, PVC 52 – PVC profile 37mm and 52mm (including end caps - insert clips)

Box size	width 0,35 - 1,6m, max. surface 3m <sup>2</sup>						width 0,35 - 1,6m, max. surface 4,3m <sup>2</sup>		
	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB	PVC-52 ø 60+PZ70	PVC-52 ø 60-rygiel	PVC-52 ø 60-WB
SK-137	165	X	146	154	X	128	X	X	X
SK-165	279	X	338	234	X	227	159	X	175
SK-180	343	X	354	302	X	302	197	X	208
SK-205	386	X	368	383	X	368	272	X	319

If the width of roller shutter exceeds 2m, pipe ø 60 is recommended.

PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70.

### STANDARD

Shutter box	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Guide	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
PZO	Mounting plate for oval guide cap
Bottom lath	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Curtain	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PA 52, PVC 37, PVC 52 – no additional charge
Tape roller	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
Hole drilling in the guides	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Shutter box	Enlargement of the shutter box	5%
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	15%
	Powder coated: according to RAL Colour Chart	30%
Guide	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	10%
	Guide extension	6,25€/rm
Cap for aluminium guides	NPPDO-53 single, powder coated: silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	3,25€/rm
	NPPDO-79 double, powder coated: silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	5,25€/rm
	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	10%
	Powder coated: according to RAL Colour Chart	20%
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	5%
	Powder coated: according to RAL Colour Chart	10%
Curtain	PA 39 steel anthracite DB703 (24)	5%
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
Cord coiler up to 5m SEL	SELVE cord coiler to 240cm (according to the customer's wish – white or brown)	5€/pc.
Cord coiler up to 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	9€/pc.

# OL2000® WITH MOSQUITO NET

## PA-39, PA-45 – aluminium profile 39mm and 45mm (including end caps)

width 0,55 - 1,8m, max. surface 4,5m<sup>2</sup>

Box size	Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB
SK-137	X	X	X	X	X	X	X	X	X
SK-165	176	152	144	156	156	121	X	X	X
SK-180	224	228	216	200	200	200	X	X	X
SK-205	250	250	250	250	250	250	250	250	250

## PCV-37 – PVC profile 37mm (including end caps - insert clips)

width 0,55 - 1,6m, max. surface 3m<sup>2</sup>

Box size	Maximum height of shutter(including the box size)/cm			Maximum height of shutter(including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVCV-37 ø 60-rygiel	PVC-37 ø 60-WB
SK-137	X	X	X	X	X	X
SK-165	168	X	X	146	X	X
SK-180	247	X	X	226	X	X
SK-205	250	X	X	250	X	X

**Note! If the width of roller shutter exceeds 2m (concerns the shutters with sections), pipe ø 60 is recommended.**

**PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70.**

### STANDARD

Shutter box	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Guide	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
PZO	Mounting plate for oval guide cap
Bottom lath	Silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23) Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Curtain	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PA 52, PVC 37, PVC 52 – no additional charge
Tape roller	Possible length for white and brown colour -5 mb (up to 240 cm height, up to 12kg)
Hole drilling in the guides	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Shutter box	Enlargement of the shutter box	5%
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	15%
	Powder coated: according to RAL Colour Chart	30%
Guide	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	10%
	Guide extension	6,25€/rm
Cap for aluminium guides	N/PPDO-53 single, powder coated silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	3,25€/rm
	N/PPDO-79 double, powder coated silver(01),white(02),grey(03),light beige(05),dark brown(08),light brown(09),ivory(16),anthracite(23)	5,25€/rm
	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	10%
	Powder coated: according to RAL Colour Chart	20%
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey(27)	5%
	Powder coated: according to RAL Colour Chart	10%
Curtain	PA 39 steel anthracite DB703 (24)	5%
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
Cord coiler up to 5m SEL	SELVE cord coiler to 240cm (according to the customer's wish – white or brown)	5€/pc.
Cord coiler up to 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	9€/pc.
Mosquito-net	Mesh colours: grey (03), black (20). Colours for bottom lath of mosquito-net silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)	70€/pc.
Bottom lath of mosquito net	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), basalt grey (27)	5%
	Powder coated: according to RAL Colour Chart	10%
ZSKM	End cap for aluminium guide mosquito net channel	1,25€/rm

# IT2000®

## PA-39, PA-45, PA-52 – aluminium profile 39mm, 45 mm and 52mm (including end caps)

Box size	width 0,35 - 2m, max. surface 6,5m <sup>2</sup>			width 0,35 - 2,5m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3m, max. surface 6,5m <sup>2</sup>			width 0,35 - 3,7m, max. surface 8m <sup>2</sup>	
	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm	
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with blocking hanger (including the box size)/cm
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB	PA-52 ø 60+PZ70	PA-52 ø 60-WB
SK-137	152		142	126		0	0		0	X	X
SK-165	250		242	236		199	163		168	138	120
SK-180	306		310	294		282	214		214	196	190
SK-205	394		402	398		359	294		294	270	260

## PCV-37, PCV 52– PVC profile 37mm and 52mm (including end caps - insert clips)

Box size	width 0,35 - 1,6m, max. surface 3m <sup>2</sup>						width 0,35 - 1,6m, max. surface 4,3m <sup>2</sup>		
	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm		
		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm		with automatic bolt (including the box size)/cm	with blocking hanger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB	PVC-52 ø 60+PZ70	PVC-52 ø 60-rygiel	PVC-52 ø 60-WB
SK-137	161	X	165	154	X	124	X	X	X
SK-165	271	X	279	234	X	227	159	X	154
SK-180	336	X	332	302	X	276	197	X	208
SK-205	386	X	368	383	X	368	272	X	293

If the width of roller shutter exceeds 2m, pipe ø 60 is recommended.

PZ- expansion ring from ø 40 on ø 50 or from ø 60 on ø 70.

### STANDARD

Shutter box, box sides	Raw aluminium
Inspection hatch, concealed lath	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Guide	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
Curtain	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PVC 37 – no additional charge
Bottom lath	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
Tape roller	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
Hole drilling in the guides	Charge free – according to the customer's wish

### FOR ADDITIONAL CHARGE

Shutter box	Enlargement of the shutter box	5%
Inspection hatch, concealed lath	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), grey basalt(27)	15%
	Powder coated: according to RAL Colour Chart	30%
	Veneering– Veneer Colour Chart and turnaround times – see page 2 (except for the quartz grey colour (61))	5%
Guide	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), grey basalt(27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	5%
	Guide extension	6,25€/rm
Curtain	PA 39 steel anthracite DB703 (24)	5%
Bottom lath	Powder coated: dark beige(04), light grey(07), green(13), biel kremowa(15), bordoux(19), black(20), steel olive(26), grey basalt(27)	5%
	Powder coated: according to RAL Colour Chart	10%
Tape roller 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
Cord coiler up to 5m SEL	SELVE cord coiler to 240cm (according to the customer's wish – white or brown)	5€/pc.
Cord coiler up to 11m	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	9€/pc.
UMIT-137, UMIT-137-20	Mounting bracket for shutter box IT2000: 137, 137 with distance 20 mm	3€/pc.
UMIT-165, UMIT-165-20	Mounting bracket for shutter box IT2000: 165, 165 with distance 20 mm	3€/pc.
UMIT-180, UMIT-180-20	Mounting bracket for shutter box IT2000: 180, 180 with distance 20 mm	4€/pc.
UMIT-205, UMIT-205-20	Mounting bracket for shutter box IT2000: 205, 205 with distance 20 mm	4€/pc.



# IT2000® WITH MOSQUITO NET

**PA-39, PA-45 – aluminium profile 39mm and 45mm (including end caps)**

width 0,55 - 1,8m, max. surface 4,5m<sup>2</sup>

Box size	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm		
		with automatic bolt (including the box size)/cm	anger (including the box size)/cm		with automatic bolt (including the box size)/cm	anger (including the box size)/cm		with automatic bolt (including the box size)/cm	anger (including the box size)/cm
ALUMINIUM	PA-39 ø 40+PZ50	PA-39 ø 40-rygiel	PA-39 ø 40-WB	PA-39 ø 60+PZ70	PA-39 ø 60-rygiel	PA-39 ø 60-WB	PA-45 ø 60+PZ70	PA-45 ø 60-rygiel	PA-45 ø 60-WB
SK-137	X	X	X	X	X	X	X	X	X
SK-165	176	179	144	156	156	121	X	X	X
SK-180	224	228	216	200	200	200	X	X	X
SK-205	250	250	250	250	250	250	250	250	250

**PCV-37 – PVC profile 37mm (including end caps - insert clips)**

width 0,55 - 1,6m, max. surface 3m<sup>2</sup>

Box size	Maximum height of shutter (including the box size)/cm			Maximum height of shutter (including the box size)/cm		
		with automatic bolt (including the box size)/cm	anger (including the box size)/cm		with automatic bolt (including the box size)/cm	anger (including the box size)/cm
ALUMINIUM	PVC-37 ø 40+PZ50	PVC-37 ø 40-rygiel	PVC-37 ø 40-WB	PVC-37 ø 60+PZ70	PVC-37 ø 60-rygiel	PVC-37 ø 60-WB
SK-137	X	X	X	X	X	X
SK-165	168	X	X	146	X	X
SK-180	247	X	X	226	X	X
SK-205	250	X	X	250	X	X

**NOTE! If the width of roller shutter exceeds 2m (for rollers shutters with sections) pipe ø 60 is recommended.**

**In IT2000 roller shutter with mosquito net system, it is not possible to use motor with emergency crank.**

**PZ- expansion ring from ø 40 on ø 50 or from ø 60**

## STANDARD

<b>Shutter box, box sides</b>	Raw aluminium
<b>Inspection hatch, concealed lath</b>	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
<b>Guide</b>	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
<b>Curtain</b>	Colours available for PA 39 (except for the steel anthracite DB703 (24)), PA 45, PVC 37 – no additional charge
<b>Bottom lath</b>	silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)
	Veneering of bottom lath - Veneer Colour Chart and turnaround times – see page 2
<b>Tape roller</b>	Possible length for white or brown colour -5mb (up to 240 cm height, up to 12kg)
<b>Hole drilling in the guides</b>	Charge free – according to the customer's wish

## FOR ADDITIONAL CHARGE

<b>Shutter box</b>	Enlargement of the shutter box	5%
<b>Inspection hatch, concealed lath</b>	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), grey basalt(27)	15%
	Powder coated: according to RAL Colour Chart	30%
	Veneering– Veneer Colour Chart and turnaround times – see page 2 (except for the quartz grey colour (61))	5%
<b>Guide</b>	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), grey basalt(27)	10%
	Powder coated: according to RAL Colour Chart	20%
	One-sided veneering of the guides – Veneer Colour Chart and turnaround times – see page 2	5%
	Guide extension	6,25€/rm
<b>Curtain</b>	PA 39 steel anthracite DB703 (24)	5%
<b>Bottom lath</b>	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), grey basalt(27)	5%
	Powder coated: according to RAL Colour Chart	10%
<b>Tape roller 11m</b>	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	6,25€/pc.
<b>Cord coiler up to 5m SEL</b>	SELVE cord coiler to 240cm (according to the customer's wish – white or brown)	5€/pc.
<b>Cord coiler up to 11m</b>	Refers to roller shutters exceeding 240cm (according to the customer's wish – white or brown)	9€/pc.
<b>Mosquito-net</b>	mesh colours: grey (03), black (20). Colours for bottom lath of mosquito-net: silver (01), white (02), grey (03), light beige (05), dark brown (08), light brown (09), ivory (16), anthracite (23)	70€/pc.
<b>Bottom lath of mosquito net</b>	Powder coated: dark beige(04), light grey(07), green(13), cream white(15), bordoux(19), black(20), steel olive(26), grey basalt(27)	5%
	Powder coated: according to RAL Colour Chart	10%
<b>ZSKM</b>	End cap for aluminium guide mosquito net channel	1,25€/rm
<b>UMIT-137, UMIT-137-20</b>	Mounting bracket for shutter box IT2000: 137, 137 with distance 20 mm	3€/pc.
<b>UMIT-165, UMIT-165-20</b>	Mounting bracket for shutter box IT2000: 165, 165 with distance 20 mm	3€/pc.
<b>UMIT-180, UMIT-180-20</b>	Mounting bracket for shutter box IT2000: 180, 180 with distance 20 mm	4€/pc.
<b>UMIT-205, UMIT-205-20</b>	Mounting bracket for shutter box IT2000: 205, 205 with distance 20 mm	4€/pc.



**PRICELIST OF MOTORS  
AND ACCESSORIES  
FOR ROLLER SHUTTERS**

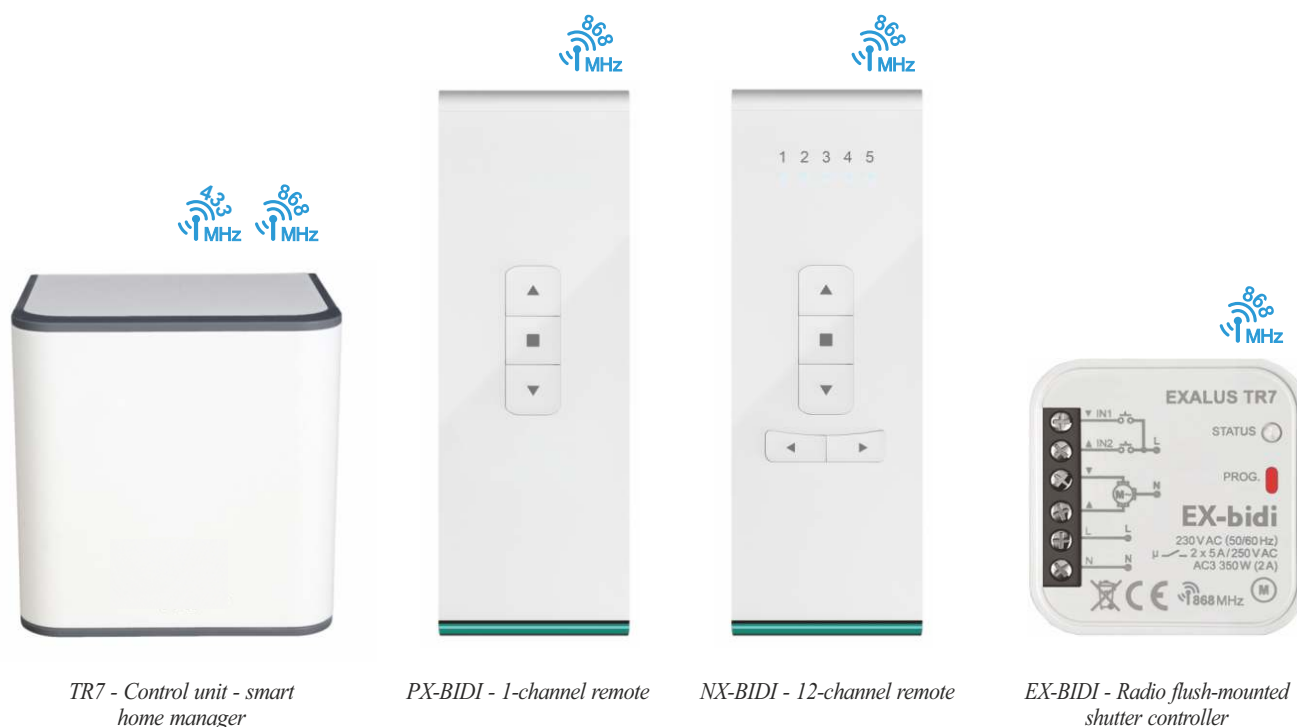
# PRICE LIST OF MOTORS AND CONTROL UNITS



## EXALUS HOME

SMART HOME SYSTEM

INDEX	NAME	PRICE EUR
<b>CONTROL ELEMENTS</b>		
- TR7	- Control unit - smart house manager	257,50 €
<b>RADIO TRANSMITTERS</b>		
- PX-BIDI	- 1-channel remote (1 W) *	36,50 €
- NX-BIDI	- 12-channel remote (1 W) *	38,50 €
- RNK-22	- 2-channel scenario manager with temperature sensor	38,50 €
- RNK-24	- 4-channel scenario manager with temperature sensor	42,00 €
- RNP-21	- Flush-mounted radio transmitter (230 V)	42,50 €
- RNP-22	- Flush-mounted radio transmitter (battery-powered)	38,50 €
<b>FLUSH RECEIVERS/ CONTROLLERS</b>		
- EX-BIDI	- Radio flush-mounted shutter controller	49,50 €
- ROP-21	- Radio 1-channel flush receiver	58,50 €
- ROP-22	- Radio 2-channel flush receiver	60,50 €
- RDP-21	- Radio dimmer	62,00 €



Items presented above are not a standard equipment. They have to be additionally listed in every order.

# SMART HOME SYSTEM

**NEW**

**XALUS HOME in combination with PORTOS radio systems.**

**PORTOS-RM**  
Radio drive

**PPKR**  
Wired switch with a built-in radio receiver

**PORTOS-RM**  
Radio drive

**PORTOS-RM**  
Radio drive

**MOBILE APPLICATION**  
Available on smartphone

**PORTOS-RM**  
Radio drive

**RR15**  
15-channel remote

**TR7**  
Control unit

**PORTOS-RM**  
Radio drive

**PPKR**  
Wired switch with a built-in radio receiver

**RDP-21**  
Radio flush dimmer

**EX-BIDI**  
Flush shutter controller

**EX-BIDI**  
Flush shutter controller

**RNK-22**  
2-channel scenario manager with temperature sensor

**EX-BIDI**  
Flush shutter controller

**RNK-22**  
2-channel scenario manager with temperature sensor

**EX-BIDI**  
Flush shutter controller

**MOBILE APPLICATION**  
Available for smartphone

**EX-BIDI**  
Flush shutter controller

**TR7**  
Control unit

**EX-BIDI**  
Flush shutter controller

**RDP-21**  
Radio flush dimmer

**EX-BIDI**  
Flush shutter controller

**RDP-21**  
Radio flush dimmer

**EX-BIDI**  
Flush shutter controller

**NX-BIDI**  
12-channel remote



# TUBULAR MOTORS FOR ROLLER SHUTTERS

## PORTOS MOTORS

INDEX	NAME	PRICE EUR
<b>PORTOS MOTORS</b>		
- S-40/10	- Motor 10 Nm for octagonal pipe 40 mm	44,00/Stück
- S-40/10 S	- Motor 10 Nm for octagonal pipe 40 mm – small, lenght - 37cm	47,50/Stück
- S-60/10	- Motor 10 Nm for octagonal pipe 60 mm	44,00/Stück
- S-60/20	- Motor 20 Nm for octagonal pipe 60 mm	48,75/Stück
- S-60/30	- Motor 30 Nm for octagonal pipe 60 mm	50,75/Stück
- S-60/40	- Motor 40 Nm for octagonal pipe 60 mm	53,75/Stück
- S-60/50	- Motor 50 Nm for octagonal pipe 60 mm	57,50/Stück
- S-60/10 S	- Motor 10 Nm for octagonal pipe 60 mm - small, lenght - 48 cm	56,50/Stück
<b>RADIO PORTOS MOTORS</b>		
- S-40/10 RM	- Radio motor 10 Nm for octagonal pipe 40 mm	69,75/Stück
- S-60/10 RM	- Radio motor 10 Nm for octagonal pipe 60 mm	72,50/Stück
- S-60/20 RM	- Radio motor 20 Nm for octagonal pipe 60 mm	74,50/Stück
- S-60/30 RM	- Radio motor 30 Nm for octagonal pipe 60 mm	77,25/Stück
<b>PORTOS MOTORS NHK</b>		
- S-60/20 NHK#427	- Motor 20 Nm NHK for octagonal pipe 60 mm*	76,25/Stück
- S-60/30 NHK#427	- Motor 30 Nm NHK for octagonal pipe 60 mm*	80,25/Stück
- TZU-S	- Eye kit for NHK motors	15,00/Stück
- KRH-150	- Crank with a Hook 150cm	19,75/Stück
- KRH-180	- Crank with a Hook 180cm	25,75/Stück
- ZM-SKK	- Key lock for the shutter boxes 205, 250, 300, 350 mm with NHK motor	12,75/Stück
<b>ACCESSORIES</b>		
- PMX1	- Bell button (monostable)	10,75 €/Stück
- PKLX2N	- Surface-mounted key-turn switch	42,25 €/Stück
- PKLX2	- Flush-mounted key-turn switch	42,25 €/Stück
- PBX2N	- Surface-mounted shutter switch (bistable)	15,25 €/Stück
- PMX2N	- Surface-mounted shutter button (monostable)	15,25 €/Stück
- PBX2	- Flush-mounted shutter switch (bistable)	12,00 €/Stück
- PMX2	- Flush-mounted shutter button (monostable)	12,00 €/Stück
- RX1N	- Surface-mounted frame	3,35 €/Stück
- RX2	- Double frame	3,35 €/Stück
- RX3	- Triple frame	5,50 €/Stück
- RX4	- Quadruple frame	9,75 €/Stück
- PS-1	- 1-channel keychain remote control	34,00 €/Stück
- PE-1	- 1-channel keychain remote control ***	34,00 €/Stück
- PS-1T	- 1-channel electronic switch with Timer	45,75 €/Stück
- PS-2	- 2-channel electronic switch	36,00 €/Stück
- PE-2	- 2-channel electronic switch ***	36,00 €/Stück
- SIR	- Flush-mounted relay **	25,75 €/Stück
- ST4	- 4-roller shutters controller	30,75 €/Stück
- PPKR 313	- Switch with integrated radio receiver only for non radio motors	41,75 €/Stück
- PPKR 313/2	- Double electronic switch with a built-in radio receiver	48,75 €/Stück
- XT-R	- Flush-mounted receiver **, ****	36,00 €/Stück

\* - For the appropriate working of motor with emergency lifting mechanism, it is necessary to use crank with a hook KRH-150.

\*\* - Possibility of connection only electronic switch with non-support mode and blockade to launch direction buttons simultaneously.

\*\*\* - Product available until in stock

\*\*\*\* - The controller can be used only with drives with torque up to 10Nm.

**Caution! Do not use an emergency lifting mechanism if motor is electrified. Motors with emergency lifting mechanism are not available with IT2000 system.**

Items presented above are not a standard equipment. They have to be additionally listed in every order.

# TUBULAR MOTORS FOR ROLLER SHUTTERS

## PORTOS MOTORS

INDEX	NAME	PRICE EUR
<b>ACCESSORIES - BASIC</b>		
- RR-1	- 1-channel remote control	19,75 €/Stück
- RR-5	- 5-channel remote control	22,75 €/Stück
- RR-5T	- 5-channel remote control with Timer	29,50 €/Stück
- RR-15	- 15-channel remote contro	26,50 €/Stück
- PB1	- 1--channel remote control (mini) *	10,50 €/Stück
- PRN1	- 1-channel radio switch	16,75 €/Stück
- PEN2	- 2-channel remote control *	18,25 €/Stück
- PRN2	- 2-channel remote control	18,25 €/Stück
- PRN-5T	- 5-channel radio switch with Timer	29,00 €/Stück
- PRN-15	- 15-channel radio switch	26,25 €/Stück
<b>ACCESSORIES - EXCLUSIVE</b>		
- PX-1	- 1-channel remote control	30,25 €/Stück
- PX-5	- 5-channel remote control	33,25 €/Stück
- PX-15	- 15-channel remote control	37,00 €/Stück
- PX-15T	- 15-channel radio switch with Timer	47,50 €/Stück
<b>SONNENSCHUTZAUTOMATIK</b>		
- SXR	- Sun sensor	23,00 €/Stück

\* - product available until in stock



PX-1 - 1-channel remote control



PX-5 - 5-channel remote control



PX-15 - 15-channel remote control



PX-15T - 15-channel remote control with Timer

# TUBULAR MOTORS FOR ROLLER SHUTTERS PORTOS MOTORS

	Motor power ( Nm )	Roller shutter hoisting capacity					Minimum roller shutter widths		
		ø40		ø60			External roller shutters	Top-mounted roller shutters	Minimum length of RKS tube
		up to 3 m	up to 4 m	up to 2 m	up to 3 m	up to 4 m			
<b>S 40/10 S</b>	10 Nm	12 kg	10 kg	-	-	-	52 cm	57 cm	-
<b>S 40/10</b>	10 Nm	12 kg	10 kg	-	-	-	62 cm	67 cm	-
<b>S 40/10 RM</b>	10 Nm	12 kg	10 kg	-	-	-	78 cm	83 cm	-
<b>S 60/10 S</b>	10 Nm	-	-	18 kg	16 kg	14 kg	42 cm**   56 cm	51 cm *	-
<b>S 60/10</b>	10 Nm	-	-	18 kg	16 kg	14 kg	68 cm	63 cm *	63 cm
<b>S 60/10 RM</b>	10 Nm	-	-	18 kg	16 kg	14 kg	83 cm	78 cm *	70 cm
<b>S 60/20</b>	20 Nm	-	-	36 kg	33 kg	30 kg	68 cm	63 cm *	63 cm
<b>S 60/20 RM</b>	20 Nm	-	-	36 kg	33 kg	30 kg	83 cm	78 cm *	70 cm
<b>S 60/30</b>	30 Nm	-	-	54 kg	49 kg	45 kg	75 cm	70 cm *	68 cm
<b>S 60/30 RM</b>	30 Nm	-	-	54 kg	49 kg	45 kg	85 cm	80 cm *	75 cm
<b>S 60/20 NHK#427</b>	20 Nm	-	-	36 kg	33 kg	30 kg	83 cm	78 cm *	-
<b>S 60/30 NHK#427</b>	30 Nm	-	-	54 kg	49 kg	45 kg	85 cm	80 cm *	-

\*\* - if an OBS-60-S-ALU cap is installed

**EXAMPLE:**

A roller shutter with profile PA-39 mm has the dimensions of 1.5 × 2.0 m. It means that the surface of the profile is 3,00 m<sup>2</sup> (1.5 m × 2 m = 3 m<sup>2</sup>). This value should be multiplied by the weight of 1 square meter of profile PA39 mm, which is 2.8 kg (3 × 2.8 kg=8.4 kg). In order to calculate the hoisting capacity of the motor, 8.4 kg must be increased by 20% (8.4 kg + 20% = 10.0 kg). The height of roller shutter is above 2 m, the hoisting capacity is 10.0 kg. for pipe Ø 40, motor 40/10 should be chosen, whereas for pipe Ø 60, motor 60/10 should be chosen.



**CAUTION:** When choosing a motor you should remember about the weight of 1 m<sup>2</sup> of the profile, which is indicated below:

PA-39 mm:	2,8 kg/m <sup>2</sup>
PA-45 mm:	2,9 kg/m <sup>2</sup>
PA-52 mm:	3,0 kg/m <sup>2</sup>
PVC-37 mm:	3,5 kg/m <sup>2</sup>
PVC-52 mm:	4,0 kg/m <sup>2</sup>
+ 20 % additional	

**CAUTION!** The manuals for connecting the motors to power supply are included in the assembly and 'operating instructions for the tubular motor' and section (only qualified and authorized electricians may carry out the connections).

**When mounting the radio motors with electronic or mechanical limit system, in accordance with current standards the voltage 230V 50 Hz is required. In the case of deviations from these values, we recommend to use components for overvoltage protection B-C, and D.**

# TUBULAR MOTORS FOR ROLLER SHUTTERS

## DELUX MOTORS

	Motor power ( Nm )	Roller shutter hoisting capacity					Minimum roller shutter widths		
		ø40		ø60			External roller shutters	Top-mounted roller shutters	Minimum length of RKS tube
		up to 1,5 m	up to 2,5 m	up to 1,5 m	up to 2,5 m	up to 3 m			
DELUX 40/6	6 Nm	14 kg	11 kg	-	-	-	66 cm	71 cm	-
DELUX 40/6 R	6 Nm	14 kg	11 kg	-	-	-	66 cm	71 cm	-
DELUX 60/7	7 Nm	-	-	19 kg	15 kg	12 kg	72 cm	67 cm *	62 cm
DELUX 60/7 R	7 Nm	-	-	19 kg	15 kg	12 kg	72 cm	67 cm *	62 cm
DELUX 60/10	10 Nm	-	-	25 kg	20 kg	16 kg	72 cm	67 cm *	62 cm
DELUX 60/10 R	10 Nm	-	-	25 kg	20 kg	16 kg	72 cm	67 cm *	62 cm
DELUX 60/15	15 Nm	-	-	35 kg	29 kg	22 kg	74 cm	69 cm *	64 cm
DELUX 60/15 R	15 Nm	-	-	35 kg	29 kg	22 kg	74 cm	69 cm *	64 cm
DELUX 60/20	20 Nm	-	-	45 kg	37 kg	30 kg	76 cm	71 cm *	66 cm
DELUX 60/20 R	20 Nm	-	-	45 kg	37 kg	30 kg	76 cm	71 cm *	66 cm
DELUX 60/30	30 Nm	-	-	67 kg	56 kg	44 kg	76 cm	71 cm *	68 cm
DELUX 60/30 R	30 Nm	-	-	67 kg	56 kg	44 kg	76 cm	71 cm *	68 cm

\* - if a short RKS cap is installed

### EXAMPLE:

A roller shutter with profile PA-39 mm has the dimensions of 250 cm × 250 cm. It means that the surface of the profile is 6,25 m<sup>2</sup>. This value should be multiplied by the weight of 1 square meter of profile PA39 mm, which is 2.8 kg (6,25 × 2.8 kg=17,5 kg). In order to calculate the hoisting capacity of the motor, 17,5 kg must be increased by 10% (17,5 kg + 10% = 19,25 kg). The height of roller shutter is above 2,5 m, for pipe ø 60, motor 60/10 should be chosen.



MOTORS FOR OCTAGONAL PIPE ø40 AND ø60  
(motor with adapter)

**CAUTION:** When choosing a motor you should remember about the weight of 1 m<sup>2</sup> of the profile, which is indicated below:

PA-39 mm:	2,8 kg/m <sup>2</sup>
PA-45 mm:	2,9 kg/m <sup>2</sup>
PA-52 mm:	3,0 kg/m <sup>2</sup>
PVC-37 mm:	3,5 kg/m <sup>2</sup>
PVC-52 mm:	4,0 kg/m <sup>2</sup>

+ 10 % safety stock

**CAUTION!** The manuals for connecting the motors to power supply are included in the assembly and 'operating instructions for the tubular motor' and section (only qualified and authorized electricians may carry out the connections).

When mounting the radio motors with electronic or mechanical limit system, in accordance with current standards the voltage 230V 50 Hz is required. In the case of deviations from these values, we recommend to use components for overvoltage protection B-C, and D.



# TUBULAR MOTORS FOR ROLLER SHUTTERS

## DELUX MOTORS

INDEX	NAME	PRICE EUR
<b>DELUX MOTORS with overload system</b>		
<b>DELUX 40/6</b>	Motor 6 Nm for octagonal pipe 40*	131,70 €
<b>DELUX 60/7</b>	Motor 7 Nm for octagonal pipe 60*	117,80 €
<b>DELUX 60/10</b>	Motor 10 Nm for octagonal pipe 60*	120,90 €
<b>DELUX 60/15</b>	Motor 15 Nm for octagonal pipe 60*	124,80 €
<b>DELUX 60/20</b>	Motor 20 Nm for octagonal pipe 60*	137,90 €
<b>DELUX 60/30</b>	Motor 30 Nm for octagonal pipe 60*	138,80 €
<b>DELUX 40/6 R</b>	Radio motor 6 Nm for octagonal pipe 40*	157,90 €
<b>DELUX 60/7 R</b>	Radio motor 7 Nm for octagonal pipe 60*	143,60 €
<b>DELUX 60/10 R</b>	Radio motor 10 Nm for octagonal pipe 60*	146,40 €
<b>DELUX 60/15 R</b>	Radio motor 15 Nm for octagonal pipe 60*	151,70 €
<b>DELUX 60/20 R</b>	Radio motor 20 Nm for octagonal pipe 60*	162,20 €
<b>DELUX 60/30 R</b>	Radio motor 30 Nm for octagonal pipe 60*	165,30 €
<b>US-DELUX ALU</b>	Bracket for Aluminium	1,40 €
<b>US-DELUX PCV</b>	Bracket for PCV	1,60 €
<b>US-DELUX RKS</b>	Bracket for BUILT-IN ROLLER SHUTTER	7,70 €
<b>INTRONIC - ACCESSORIES FOR DELUX MOTORS</b>		
<b>i-R Timer Plus</b>	Radio-controlled time switch	106,50 €
<b>i-R Control</b>	Radio-controlled single-unit control	102,50 €
<b>i-R Receive</b>	Radio-controlled reciver	56,50 €
<b>i-R Transmit</b>	Radio-controlled transmitter	107,90 €
<b>i-R Receive Compact</b>	Radio-controlled reciver **	85,20 €
<b>i-R Light Sensor</b>	Radio-controlled light sensor	96,00 €
<b>i Light Sensor</b>	Light sensor	29,40 €
<b>i Timer Plus</b>	Time switch	99,90 €
<b>i Control</b>	Individual control	156,60 €
<b>i SwitchPlus</b>	Pushbutton/switch	16,40 €
<b>i-R Repeater</b>	Radio repeater	143,80 €
<b>Kabel Delux</b>	Motor setting device	51,50 €
<b>IVEO - ACCESSORIES FOR DELUX MOTORS</b>		
<b>iveo Wall Send</b>	Radio-controlled wall-mounted	51,80 €
<b>iveo Send 1 Basic</b>	Pilot iveo 1-kanalowy ***	20,50 €
<b>iveo Send 1 Mini</b>	Pilot iveo 1-kanalowy - brelok	17,50 €
<b>iveo Send 1 W</b>	Radio 1-channel transmitter ( WHITE )	53,20 €
<b>iveo Send 1 B</b>	Radio 1-channel transmitter ( BLACK ) ***	53,20 €
<b>iveo Send 5 W</b>	Radio 5-channel transmitter ( WHITE )	69,70 €
<b>iveo Send 5 B</b>	Radio 5-channel transmitter ( BLACK ) ***	69,70 €
<b>iveo Multi Send W</b>	Radio 10-channel transmitter with timer ( WHITE )	140,30 €
<b>iveo Multi Send B</b>	Radio 1-channel transmitter with timer ( BLACK ) ***	140,30 €

\* - the price of the motor is set: engine, handle, adapter, crown and regulatory key.

\*\* - their is no possibility of mounting in roller shutters: SK-137, SK-150 as well as in roller shutter CC1000 - PSK-135.

\*\*\* - product available until in stock

# PRICE LIST OF MOTORS AND CONTROL UNITS



INDEX	NAME	PRICE IN Euro
<b>Elektromotoren LP&amp;P Plug&amp;Play - für Oktagonalwelle 60 mm:</b>		
VOLTA 50 PP 6/17	Motor P&P 6 Nm *	94,00 €
VOLTA 50 PP 10/17	Motor P&P 10 Nm *	95,50 €
VOLTA 50 PP 15/17	Motor P&P 15 Nm *	97,50 €
VOLTA 50 PP 20/17	Motor P&P 20 Nm *,**	100,00 €
<b>Funkmotoren LP&amp;S-R Plug&amp;Play - für Oktagonalwelle 60 mm:</b>		
MARCONI 50 PS 6/17	Funkmotoren P&P 6 Nm *	102,00 €
MARCONI 50 PS 10/17	Funkmotoren P&P 10 Nm *	106,00 €
MARCONI 50 PS 15/17	Funkmotoren P&P 15 Nm *	108,00 €
MARCONI 50 PS 20/17	Funkmotoren P&P 20 Nm *,**	112,00 €
<b>Wandsender:</b>		
Go-p1 Elegance W	Wandsender / 1-Kanal weiß	32,50 €
Go-p1 Elegance B	Wandsender / 1-Kanal schwarz	32,50 €
<b>Handsender:</b>		
Go-4K	4-Kanal mini transmitter **** <b>NEW</b>	31,50 €
Go-1 Elegance W	1-Kanal Handsender weiß	31,50 €
Go-1 Elegance B	1-Kanal Handsender schwarz	31,50 €
Go-4 Elegance W	4-Kanal Handsender weiß	37,00 €
Go-4 Elegance B	4-Kanal Handsender schwarz	37,00 €
Go-16 Elegance W	16-Kanal Handsender weiß	92,50 €
Go-16 Elegance B	16-Kanal Handsender schwarz	92,50 €
Go-6T W	6-Kanal Handsender mit Zeitschaltuhr weiß	86,50 €
Go-6T B	6-Kanal Handsender mit Zeitschaltuhr schwarz	86,50 €
<b>Funkempfänger:</b>		
Go-er platine	Funk-Empfänger für bedrahtete Antriebe ***	72,00 €
Go-ER Mini	Micro receiver for wired motors <b>NEW</b>	68,50 €
Go-ER Mini Light	Radio micro light receiver <b>NEW</b>	69,00 €
<b>Solar automatics:</b>		
Sun-ER	Wireless sun and temperature sensor <b>NEW</b>	120,00 €



Go-4K - Mini transmitter



Go-ER Mini - Micro receiver  
for wired motors



Go-ER Mini Light - Radio  
micro light receiver



Sun-ER - Wireless sun  
and temperature sensor



## Elektromotoren - für Oktagonalwelle 60 mm:

R 4-17-M17	Motor (kurz)	129,50 €
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- \* - Satz (d.h. Motor, Halter, Adapter, Hochschiebesicherung).
- \*\* - Produkt auf Sonderbestellung.
- \*\*\* - Nicht in Verbindung mit den Motoren ILMO 50 S WT 6/17, Oximo S Auto RTS 6/17 verwenden.
- Keine Möglichkeit der Montage im Vorbaurolladen mit SK-137, SK-150 und Aufsatzrolladen CC1000 mit PSK-135.
- \*\*\*\* - Dieser kann nicht als einziger Sender für Bedienung des Funkantriebs eingesetzt werden – zum Programmieren der Anlage muss ein anderer Sender aus dem Angebot verwendet werden.

# PRICE LIST OF MOTORS AND CONTROL UNITS



	Nenn Drehmoment ( Nm )	Zugkraft des Antriebes bei der Höhe des Rollladens bis:						Motor länge	Min. Breite des Rollladens:		
		ø60							Vorbau olladen	Aufsatzrollladen	
		bis 1,5 m	bis 1,5 m + WB	bis 2,5 m	bis 2,5 m + WB	bis 3,5 m	bis 3,5 m + WB			Standard Walzenkapsel	RKS- Walzenkapsel
VOLTA 50 PP 6/17	6 Nm	-	11 kg	-	10 kg	-	9 kg	571 mm	78 cm	79 cm	73 cm
VOLTA 50 PP 10/17	10 Nm	-	19 kg	-	18 kg	-	16 kg	591 mm	80 cm	81 cm	75 cm
VOLTA 50 PP 15/17	15 Nm	-	28 kg	-	28 kg	-	24 kg	691 mm	90 cm	91 cm	85 cm
VOLTA 50 PP 20/17	20 Nm	-	38 kg	-	37 kg	-	34 kg	691 mm	90 cm	91 cm	85 cm
MARCONI 50 PS 6/17	6 Nm	-	14 kg	-	11 kg	-	9 kg	546 mm	75 cm	77 cm	70 cm
MARCONI 50 PS 10/17	10 Nm	-	19 kg	-	18 kg	-	16 kg	571 mm	78 cm	79 cm	73 cm
MARCONI 50 PS 15/17	15 Nm	-	30 kg	-	28 kg	-	24 kg	591 mm	80 cm	81 cm	75 cm
MARCONI 50 PS 20/17	20 Nm	-	39 kg	-	36 kg	-	32 kg	606 mm	81 cm	83 cm	76 cm
R 4-17-M17 BECKER	4 Nm	-	9 kg	-	8 kg	-	7 kg	365 mm	60 cm	61 cm	56 cm

## EXAMPLE:

A roller shutter with profile PA-39 mm has the dimensions of 250 cm × 250 cm. It means that the surface of the profile is 6,25 m<sup>2</sup>. This value should be multiplied by the weight of 1 square meter of profile PA39 mm, which is 2.8 kg (6,25 × 2.8 kg=17,5 kg). In order to calculate the hoisting capacity of the motor, 17,5 kg must be increased by 20% (17,5 kg + 20% = 21 kg). The height of roller shutter is above 2,5 m, for pipe ø 60, motor VOLTA 50 PP 15/17 should be chosen.

**CAUTION:** When choosing a motor you should remember about the weight of 1 m<sup>2</sup> of the profile, which is indicated below:

PA-39 mm: 2,8 kg/m<sup>2</sup>  
PA-45 mm: 2,9 kg/m<sup>2</sup>  
PA-52 mm: 3,0 kg/m<sup>2</sup>  
PVC-37 mm: 3,5 kg/m<sup>2</sup>  
PVC-52 mm: 4,0 kg/m<sup>2</sup>  
+ 20 % safety stock

**CAUTION!** The manuals for connecting the motors to power supply are included in the assembly and 'operating instructions for the tubular motor' and section (only qualified and authorized electricians may carry out the connections).

When mounting the radio motors with electronic or mechanical limit system, in accordance with current standards the voltage 230V 50 Hz is required. In the case of deviations from these values, we recommend to use components for overvoltage protection B-C, and D.

# PRICE LIST OF MOTORS AND CONTROL UNITS



INDEX	NAME	PRICE IN Euro
<b>SERIES LS 40 - for octagonal pipe 40mm</b>		
1021387	NL40 LS 4/16 *	130,10 €
1021376	NL40 LS 4/14 - short - 414 mm*	148,40 €
1023336	NL40 LS 9/16 *	143,20 €
1024186	NL40 LS 13/10 *	158,90 €
<b>SERIES LT 50 - for octagonal pipe 60 mm</b>		
1032049	LT 50 Ariane 6/17 *	142,70 €
1037061	LT 50 Jet 10/17 *	169,80 €
1039054	LT 50 Atlas 15/17 *	176,10 €
1041055	LT 50 Meteor 20/17 *	187,20 €
1043041	LT 50 Gemini 25/17 *	198,70 €
1049064	LT 50 Mariner 40/17 *	250,80 €
1051029	LT 50 Vectran 50/12*	256,20 €
<b>SOLUS 40 - for octagonal pipe 40 mm</b>		
1023321	Solus 40 4/16 *	105,60 €
<b>SOLUS 2 - for octagonal pipe 60 mm</b>		
1032574	Solus 2 PA 6/12*	86,20 €
1035183	Solus 2 PA 8/12*	87,80 €
1037592	Solus 2 PA 10/12*	91,90 €
1039504	Solus 2 PA 15/12*	98,70 €
1041535	Solus 2 PA 20/12*	107,10 €
1045455	Solus 2 PA 30/12*	167,50 €
1049547	Solus 2 PA 40/12*	186,10 €
<b>SERIES LT 50 NHK with emergency lifting crank - for octagonal pipe 60 mm</b>		
1037004	LT 50 Jet 10/17 NHK*	199,20 €
1041015	LT 50 Meteor 20/17 NHK*	231,00 €
1043005	LT 50 Gemini 25/17 NHK*	241,00 €
1049019	LT 50 Mariner 40/17 NHK*	279,20 €
<b>ILMO WT - ELECTRONIC MOTOR WITH OVERLOAD SYSTEM "Plug &amp; Play" - for octagonal pipe 40 mm</b>		
<b>For proper operation, it is required to use hangers latches and buffers in the bottom bar</b>		
1130524	ILMO 2 40 WT 4/16 *	135,90 €
1130526	ILMO 2 40 WT 9/16 *	154,30 €
1130528	ILMO 2 40 WT 13/10 *	167,10 €
<b>ILMO WT - ELECTRONIC MOTOR WITH OVERLOAD SYSTEM "Plug &amp; Play" - for octagonal pipe 60 mm</b>		
<b>For proper operation, it is required to use blocking hangers and buffers in the bottom lath bumper in bottom lath.</b>		
1130485	ILMO 2 50 WT 6/17 *	120,10 €
1130127	ILMO 50 S WT 6/17 - short - only 375mm **, ***	180,40 €
1130492	ILMO 2 50 WT 10/17 *	133,40 €
1131261	ILMO 2 50 WT 15/17 *	143,10 €
1132191	ILMO 2 50 WT 20/17 *	177,70 €
1133001	ILMO 50 WT 30/17 *	193,10 €
9014685	Adapter of SW 60 + short crown	9,20 €
<b>OXIMO WT - MOTOR WITH OVERLOAD SYSTEM- CABLE VERSION - to octagonal pipe 60 mm</b>		
<b>For proper operation, it is required to use blocking hangers</b>		
1032578	Oximo WT 6/17 *	170,80 €
1037582	Oximo WT 10/17 *	185,50 €
1039493	Oximo WT 15/17 *	194,00 €
1041529	Oximo WT 20/17 *	204,90 €
1045446	Oximo WT 30/17 *	224,90 €
1049541	Oximo WT 40/17 *	250,50 €

\* - set (bracket, adapter, crown)

\*\* - do not use with the Go-er platine

\*\*\* - their is no possibility of mounting the motor in roller shutters: SK-137, SK-150 as well as in roller shutter CC1000 - PSK-135



# PRICE LIST OF MOTORS AND CONTROL UNITS



INDEX	NAME	PRICE IN Euro
<b>OXIMO RTS - RADIO MOTOR WITH OVERLOAD SYSTEM - for octagonal pipe 60 mm</b>		
<b>For proper operation, it is required to use blocking hangers</b>		
1032392	Oximo RTS 6/17 *	158,50 €
1130128	Oximo S Auto RTS 6/17 - short - only 375 mm *,**	181,00 €
1037389	Oximo RTS 10/17 *	172,50 €
1039299	Oximo RTS 15/17 *	182,00 €
1041380	Oximo RTS 20/17 *	252,50 €
1045319	Oximo RTS 30/17*	268,00 €
9014685	Adapter of SW 60 + short crown	9,20 €
<b>ALTUS 40 RTS - RADIO VERSION - for octagonal pipe 40 mm</b>		
1021343	NL40 Altus 40 RTS 4/16 *	192,00 €
1023297	NL40 Altus 40 RTS 9/16 *	208,00 €
1024179	NL40 Altus 40 RTS 13/10 *	218,00 €
<b>ALTUS 50 RTS - RADIO VERSION - for octagonal pipe 60 mm</b>		
1032916	Altus 50 RTS 6/12 *	161,50 €
1037825	Altus 50 RTS 10/12 *	164,50 €
1041784	Altus 50 RTS 20/12 *	185,00 €
1045612	Altus 50 RTS 30/12 *	196,50 €
1049707	Altus 50 RTS 40/12 *	301,00 €
<b>LT 50 NHK SERIES WITH BUILT-IN RTS 2 RECEIVER - for octagonal pipe 60 mm</b>		
1037030	LT 50 Jet 10/17 NHK RTS 2 *	290,10 €
1041023	LT 50 Meteor 20/17 NHK RTS 2 *	316,00 €
1045307	LT 50 Apollo 30/17 NHK RTS 2 *	338,20 €
<b>OXIMO 40 WireFree RTS - AUTONOME FUNKMOTOREN MIT SOLARVERSORGUNG</b>		
1025165	Satz OXIMO 40 WF RTS II 10/12, Adaptersatz ø40, Akku ohne Gehäuse ****	485,00 €
9019791	Wandhalterungen für neuen Sonnenkollektor (Verkauf im Zweierset - Paar)	12,00 €
9019795	Ersatzakku für Oximo 40 Wirefree RTS ohne Gehäuse	131,00 €
9015004	Ersatzakku für Oximo 40 Wirefree RTS im Alu-Gehäuse	224,00 €

## SECURITIES

<b>BLOCKING HANGERS</b>		
WBZ1-40	One-part blocking hanger for octagonal pipe ø 40	5,20 €
WBZ2-40	Two-part blocking hanger for octagonal pipe ø 40	5,20 €
WBZ1-60	One-part blocking hanger for octagonal pipe ø 60	5,20 €
WBZ2-60	Two-part blocking hanger for octagonal pipe ø 60	5,20 €

\* - set (bracket, adapter, crown)

\*\* - their is no possibility of mounting the motor in roller shutters: SK-137, SK-150 as well as in roller shutter CC1000 - PSK-135

\*\*\* - product available until in stock

\*\*\*\* - solar panel, battery and curtain for self-assembly; extra charge for packing loose curtain not installed in the roller shutter  
€ 4.75 net/pc., net amount after discount

# PRICE LIST OF MOTORS AND CONTROL UNITS



INDEX	NAME	PRICE IN Euro
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## INTEO Series

### UNO switches

1800191	Inis Uno switch (support mode)*	14,60 €
1800508	Smooove UNO WT switch (support mode) <b>NEW</b>	14,60 €
1800012	Inis Uno T switch (non-support mode)	15,00 €
1800192	Inis Duo switch (support mode)	21,00 €
1800025	Inis Duo T switch (non-support mode)	21,00 €
9001244	Obudowa natynkowa do Inis Uno oraz Inis Duo	4,60 €

### PUSH-BUTTON SWITCHES

1800286	Push-button switch with a support mode, under-plaster, cream	37,00 €
1800282	Push-button switch with a non-support mode, under-plaster, cream	38,50 €
1800008	Push-button switch with a support mode, waterproof, onplaster, grey	33,50 €
1800007	Push-button switch with a non-support mode, waterproof, onplaster, grey	33,50 €

### KEY SWITCHES, IP 65 WATERPROOF

1800244	Key switch with non-support mode, on plaster	69,60 €
1800245	Key switch with non-support mode, under plaster	69,60 €
1800246	Kay swich with a support mode, on plaster	55,00 €
1800247	Kay switch with a support mode, under plaster	55,00 €

### Timer - CHRONIS UNO

1805099	Chronis Uno Smart	94,00 €
1805130	Chronis Uno L Comfort/ with no sensor	107,80 €
9709686	Light sensor with 2m cable	37,50 €

### MOTOR SETUP CABLE

9015971	Universal setup cable for io/RTS/WT/LT/LS/Solus/J4 - Somfigurator	90,10 €
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## IB WIRED CONTROL UNIT

### SWITCHES AND CONTROL UNITS

1811203	Smooove UNO IB + Pure shine	83,00 €
1811204	Smooove UNO IB + Silver shine	83,00 €
1811205	Smooove UNO IB + Black shine	83,00 €
1811272	Central switch Smooove Origin IB+	41,50 €

\* - Product available until in stock



Smooove UNO WT switch

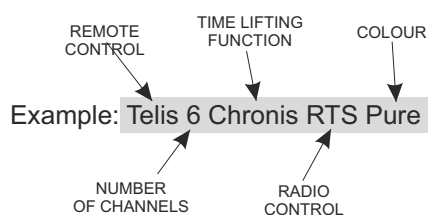
# PRICE LIST OF MOTORS AND CONTROL UNITS



INDEX	NAME	PRICE IN Euro
RTS RADIO CONTROL		
<b>WALL-MOUNTED RTS TRANSMITTERS</b>		
1810881	Smoove 1 RTS Pure shine	50,50 €
1810882	Smoove 1 RTS Black shine	50,50 €
1810883	Smoove 1 RTS Silver shine	53,50 €
1811045	Smoove Origin RTS complete whit white frames	39,50 €
1811361	Shutter in-wall RTS sender	60,00 €
<b>FRAMES FOR SMOOVE 1 RTS TRANSMITTERS</b>		
9015022	Smoove Pure frame	3,20 €
9015023	Smoove Black frame	8,90 €
9015024	Smoove Silver frame	8,90 €
9015025	Smoove Silver mat frame	8,90 €
9015238	Smoove Pure frame - double	5,00 €
9015027	Light bamboo Smoove frame	23,60 €
9015026	Amber bamboo Smoove frame	23,60 €
9015236	Cherry Smoove frame	23,60 €
9015237	Walnut Smoove frame	23,60 €
<b>1-CHANNEL RTS REMOTES</b>		
1810936	Telis 1 Pure RTS INTL	39,50 €
1810941	Telis 1 Silver RTS INTL	54,50 €
1810939	Telis 1 Lounge RTS INTL	70,50 €
<b>5-CHANNEL RTS REMOTES</b>		
1810937	Telis 4 Pure RTS INTL	71,00 €
1810940	Telis 4 Silver RTS INTL	82,00 €
1810938	Telis 4 Lounge RTS INTL	103,00 €
<b>16-CHANNEL RTS REMOTES</b>		
1811079	Telis 16 RTS Pure	167,50 €
1811080	Telis 16 RTS Silver	183,00 €
<b>RTS REMOTE CONTROLS WITH BUILT-IN TIMER</b>		
1805215	Telis 6 Chronis RTS Pure	211,00 €
1805216	Telis 6 Chronis RTS Silver	234,00 €
<b>SOLAR AUTOMATICS</b>		
9013707	Sunis Indoor WireFree RTS - radio solar sensor	127,00 €
9013708	Thermosunis Indoor WireFree RTS - radio solar and temperature sensor	162,00 €
9013075	Sunis WireFree RTS - autonomous solar sensor	206,50 €

## The importance of symbols SOMFY

SYMBOL	DESCRIPTION
LS	automatic limit settings (adjusting screw)
LT	automatic limit settings (pushbutton)
NHK	emergency lifting mechanism
WT	wired control
RTS	radio control
UNO	1-motor control
DUO	2-motor control
CHRONIS	fixed-time roller shutter lifting function
SMART	basic version
COMFORT	advanced version
IB	low-voltage control
TELIS	remote control



# PRICE LIST OF MOTORS AND CONTROL UNITS



**INDEX**                      **NAME**                      **PRICE IN Euro**

**SWITCHES, CONTROL DEVICES, ACCESSORIES**

## RTS RECEIVERS

1810217	Centralis Uno RTS	104,50 €
1810096	Centralis Indoor RTS (under-plaster; Jung CD 500; snow-white)	94,50 €
1810315	Centralis Platine RTS (receiver RTS for a box)*,**	108,50 €
1811244	RTS mini-receiver for roller shutters	95,00 €
1810750	Dry Contact receiver	99,50 €

\* - do not use with the Somfy's wire motors for ø 40 pipe, with SOLUS motors and LT NKH motors.

\*\* - there is no possibility of mounting the motor in roller shutters: SK-137, SK-150 as well as in roller shutter CC1000 - PSK-135

Nominal speed RPM	Roller shutter hoisting capacity									
	Up to 1,5 m				Up to 2,5 m				Up to 3,5 m	
	ø 40	ø 40+WB	ø 60	ø 60+WB	ø 40	ø 40+WB	ø 60	ø 60+WB	ø 60	ø 60+WB
<b>4/16</b>	12 kg	9 kg	-	-	10 kg	8 kg	-	-	-	-
<b>9/16</b>	24 kg	20 kg	-	-	20 kg	19 kg	-	-	-	-
<b>13/10</b>	39 kg	28 kg	-	-	32 kg	28 kg	-	-	-	-
<b>6/17</b>	-	-	15 kg	11 kg	-	-	12 kg	10 kg	11 kg	9 kg
<b>8/12</b>	-	-	20 kg	15 kg	-	-	16 kg	13 kg	14 kg	12 kg
<b>10/17</b>	-	-	25 kg	19 kg	-	-	21 kg	18 kg	18 kg	16 kg
<b>15/17</b>	-	-	37 kg	28 kg	-	-	32 kg	28 kg	27 kg	24 kg
<b>20/17</b>	-	-	50 kg	38 kg	-	-	43 kg	37 kg	37 kg	34 kg
<b>25/17</b>	-	-	63 kg	47 kg	-	-	53 kg	45 kg	46 kg	42 kg
<b>30/17</b>	-	-	75 kg	57 kg	-	-	64 kg	55 kg	55 kg	51 kg
<b>40/17</b>	-	-	100 kg	75 kg	-	-	85 kg	75 kg	74 kg	68 kg
<b>50/12</b>	-	-	112 kg	85 kg	-	-	96 kg	83 kg	84 kg	76 kg

**EXAMPLE:** A roller shutter with profile PA-39 mm has the dimensions of 1.5 × 2.0 m. It means that the surface of the profile is 3,00 m<sup>2</sup> (1.5 m × 2 m = 3 m<sup>2</sup>). This value should be multiplied by the weight of 1 square meter of profile PA39 mm, which is 2.8 kg (3 × 2.8 kg=8.4 kg). In order to calculate the hoisting capacity of the motor, 8.4 kg must be increased by 20% (8.4 kg + 20% = 10.08 kg). The height of roller shutter is above 1,5 m, the hoisting capacity is 10.0 kg, for pipe Ø 40, motor 9/16 should be chosen, whereas for pipe Ø 60, motor 6/17 should be chosen.



# PRICE LIST OF MOTORS AND CONTROL UNITS



INDEX	NAME	PRICE IN Euro
<b>IO - HOMECONTROL</b>		
<b>IO-HOMECONTROL - TaHoma &amp; Connexoon</b>		
1811478	TaHoma® Premium – central control unit io&RTS	462,50 €
1811480	TaHoma® Premium Base – security base with alarm buzzer 85 dB	330,00 €
1811429	Connexoon box – one application to select from: Window, Terrace, Access	179,50 €
1811465	Connexoon box – two applications: Window & Access	205,00 €
<b>IO - HOMECONTROL - ø40 MOTORS FOR ROLLER SHUTTERS</b>		
<b>For proper operation, it is required to use blocking hangers</b>		
1030116	Oximo 40 io 4/16	214,90 €
1038015	Oximo 40 io 9/16	231,10 €
1039948	Oximo 40 io 13/10	243,80 €
<b>IO - HOMECONTROL - ø60 MOTORS FOR ROLLER SHUTTERS</b>		
<b>For proper operation, it is required to use blocking hangers</b>		
1032700	Oximo 50 io 6/17	193,60 €
1130334	Oximo S Auto io 6/17 - short - 375 mm *	224,90 €
1037686	Oximo 50 io 10/17	214,40 €
1039589	Oximo 50 io 15/17	224,90 €
1041627	Oximo 50 io 20/17	256,40 €
1045513	Oximo 50 io 30/17	282,50 €
1049605	Oximo 50 io 40/17	319,20 €
9014685	Adapter of SW 60 + short crown	9,20 €
<b>RS100 IO - Elektro-Funkmotoren ø60 für Rollläden mit Hindernis- und Vereisungserkennung sowie mit der Motordrehzahländerung</b>		
<b>Zum richtigen Funktionieren werden die Hochschiebesicherung</b>		
1033335	RS100 io 6/17 VVF 3m <i>NEW</i>	225,00 €
1033336	RS100 io 10/17 VVF 3m <i>NEW</i>	245,00 €
1033337	RS100 io 15/17 VVF 3m <i>NEW</i>	257,50 €
1033338	RS100 io 20/17 VVF 3m <i>NEW</i>	275,00 €
<b>RS100 IO &amp; WT - Elektro-Funkmotoren ø60 für Rollläden mit Hindernis-, Vereisungserkennung und der Motordrehzahländerung</b>		
<b>Steuerung per Funk und per leitungsgebundenen Wandschalter. Zum richtigen Funktionieren werden die Hochschiebesicherung</b>		
1033339	RS100 ioWT 6/17 VVF 2,5m - hybrid <i>NEW</i>	232,50 €
1033340	RS100 ioWT 10/17 VVF 2,5m - hybrid <i>NEW</i>	250,00 €
1033341	RS100 ioWT 15/17 VVF 2,5m - hybrid <i>NEW</i>	267,50 €
1033342	RS100 ioWT 20/17 VVF 2,5m - hybrid <i>NEW</i>	280,00 €
<b>IO-HOMECONTROL - ACCESORIES FOR TAHOMA BOX</b>		
1822303	THERMIS WIREFREE io - temperature sensor for TaHoma box	120,30 €
1824035	SCENARIO PLAYER - control point allowing the user to start scenarios programmed in Tahoma	47,20 €
1811481	Indoor motion sensor TaHoma	100,10 €
1811482	Connected opening sensor TaHoma	95,40 €
1875056	Öffnungssensor – weiß (Tür/Fenster) <i>NEW</i>	76,50 €
1875057	Öffnungssensor – braun (Tür/Fenster) <i>NEW</i>	80,00 €
1811483	Smoke sensor	111,80 €
1822492	USB-Schnittstelle für Z-WAVE <i>NEW</i>	55,50 €
<b>COMPUTER PROGRAMMING DEVICE FOR IO-HOMECONTROL UNIT</b>		
9017035	Set&Go io	246,60 €

\* - their is no possibility of mounting the motor in roller shutters: SK-137, SK-150 as well as in roller shutter CC1000 - PSK-135

# PRICE LIST OF MOTORS AND CONTROL UNITS



INDEX	NAME	PRICE IN Euro
<b>IO - HOMECONTROL</b>		
<b>IO - HOMECONTROL - NiNa group control remote controllers 2W</b>		
1811407	Nina Timer io - bidirektionale Touch-Display Steuerung mit Zeitautomatik	244,80 €
1805251	NiNa Centralization – individual and group control	234,60 €
<b>IO - HOMECONTROL - Group control remote controllers 1W</b>		
1870312	Situo 1 io Pure II * <i>NEW</i>	44,10 €
1870316	Situo 1 io Iron II * <i>NEW</i>	69,50 €
1870320	Situo 1 io Natural II * <i>NEW</i>	69,50 €
1870324	Situo 1 io Arctic II * <i>NEW</i>	69,50 €
1870328	Situo 5 io Pure II ** <i>NEW</i>	69,50 €
1870336	Situo 5 io Natural II ** <i>NEW</i>	89,70 €
1870340	Situo 5 io Arctic II ** <i>NEW</i>	89,70 €
<b>IO – HOMECONTROL - WETTERSENSOREN IO</b>		
1818285	Sunis WireFree II io - TaHoma Sonnensensor	115,00 €
<b>IO- HOMECONTROL - FUNKHANDSENDER IO 1W</b>		
1805228	Chronis io Pure - Wochentimer	142,80 €
<b>IO – HOMECONTROL - FUNKWANDSENDER FÜR DIE VOR-ORT-BEDIENUNG 1W</b>		
1811066	Smooove Origin io, mit Rahmen Pure	47,20 €
1811003	Smooove 1 io Pure Shine	55,90 €
1811005	Smooove 1 io Black Shine	56,20 €
1811007	Smooove 1 io Silver Shine	62,80 €
1811013	Smooove 1 A/M Pure Shine	62,80 €
1811014	Smooove 1 A/M Silver Shine	62,80 €
1811015	Smooove 1 A/M Black Shine	62,80 €
<b>IO-HOMECONTROL - FUNKWANDSENDER 1W SMOOOVE RS100 IO</b>		
1811315	Smooove RS100 io Pure Shine /ohne Rahmen/ <i>NEW</i>	65,00 €
1811316	Smooove RS100 io Black Shine /ohne Rahmen/ <i>NEW</i>	65,00 €
1811317	Smooove RS100 io Silver Shine /ohne Rahmen/ <i>NEW</i>	65,00 €
<b>IO – HOMECONTROL - RAHMEN FÜR FUNKWANDSENDER SMOOOVE 1 IO</b>		
9015022	Smooove Rahmen Pure	3,20 €
9015023	Smooove Rahmen Black	8,90 €
9015024	Smooove Rahmen Silver	8,90 €
9015025	Smooove Rahmen Silver mat	8,90 €
9015238	Smooove Rahmen Pure - doppel	5,00 €
9015027	Smooove Rahmen Light bamboo	23,60 €
9015026	Smooove Rahmen Amber bamboo	23,60 €
9015236	Smooove Rahmen Cherry	23,60 €
9015237	Smooove Rahmen Walnut	23,60 €
<b>IO – HOMECONTROL - WEITERE STEUERUNGEN <i>NEW</i></b>		
1822611	Funkempfänger für Beleuchtung, WHITE LED Receiver io, mit Dimmer, 4 Kanäle zum Anschluss von LED-Dioden	157,50 €
1822612	Funkempfänger für Beleuchtung- RGB LED Receiver io, mit Dimmer, 3 Kanäle zum Anschluss von RGB-Dioden + ein Kanal zum Anschluss von White-Dioden	167,50 €
1822613	Funkempfänger für Beleuchtung, TUNABLE WHITE LED Receiver io, mit Dimmer, 2 Kanäle zum Anschluss von LED-Dioden	167,50 €
1822617	Funkempfänger Plug io ON/OFF Typ E	89,00 €
1811583	Funkempfänger Smooove Uno io Pure mit Rahmen	157,50 €
9014069	Repeater II io	510,00 €

\* - Device replaces previous Situo 1 io remotes

\*\* - Device replaces previous Situo 5 io remotes

# TUBULAR MOTORS FOR ROLLER SHUTTERS



	Motor power ( Nm )	Roller shutter hoisting capacity			Minimum roller shutter widths	
		ø60			External roller shutters	Top-mounted roller shutters
		up to 1,5 m + WB	up to 2,5 m + WB	up to 3,5 m + WB		
<b>Oximo io 6/17</b>	6 Nm	11 kg	10 kg	9 kg	83 cm	78 cm **
<b>Oximo S Auto io 6/17</b>	6 Nm	11 kg	10 kg	9 kg	59 cm (41 - 47 cm )*	54 cm ** (44 - 50 cm)*
<b>Oximo io 10/17</b>	10 Nm	19 kg	18 kg	16 kg	88 cm	83 cm **
<b>Oximo io 15/17</b>	15 Nm	28 kg	28 kg	24 kg	88 cm	83 cm **
<b>Oximo io 20/17</b>	20 Nm	38 kg	37 kg	34 kg	88 cm	83 cm **
<b>Oximo io 30/17</b>	30 Nm	57 kg	55 kg	51 kg	90 cm	85 cm **
<b>Oximo io 40/17</b>	40 Nm	75 kg	75 kg	68 kg	97 cm	92 cm **

\* - cap for SW60 + very short pipe crown (art. 9 014 685)

\*\* - minimum width using RKS mounting

## EXAMPLE:

A roller shutter with profile PA-39 mm has the dimensions of 250 cm × 250 cm. It means that the surface of the profile is 6,25 m<sup>2</sup>. This value should be multiplied by the weight of 1 square meter of profile PA39 mm, which is 2.8 kg (6,25 × 2.8 kg=17,5 kg). In order to calculate the hoisting capacity of the motor, 17,5 kg must be increased by 10% (17,5 kg + 10% = 19,25 kg). The height of roller shutter is above 2,5 m, for pipe ø 60, motor Oximo io 15/17 should be chosen.

**CAUTION!** When choosing a motor you should remember about the weight of 1 m<sup>2</sup> of the profile, which is indicated below:

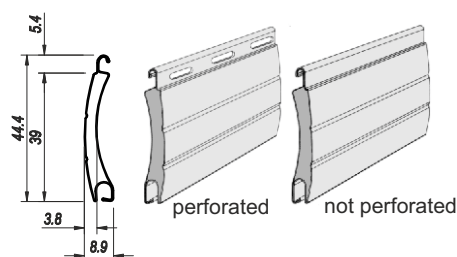
**PA-39 mm:** 2,8 kg/m<sup>2</sup>  
**PA-45 mm:** 2,9 kg/m<sup>2</sup>  
**PA-52 mm:** 3,0 kg/m<sup>2</sup>  
**PVC-37 mm:** 3,5 kg/m<sup>2</sup>  
**PVC-52 mm:** 4,0 kg/m<sup>2</sup>  
 + 10 % safety stock

**CAUTION!** The manuals for connecting the motors to power supply are included in the assembly and 'operating instructions for the tubular motor' and section (only qualified and authorized electricians may carry out the connections).

When mounting the radio motors with electronic or mechanical limit system, in accordance with current standards the voltage 230V 50 Hz is required. In the case of deviations from these values, we recommend to use components for overvoltage protection B-C, and D.

# ALUMINIUM PROFILE PA-39

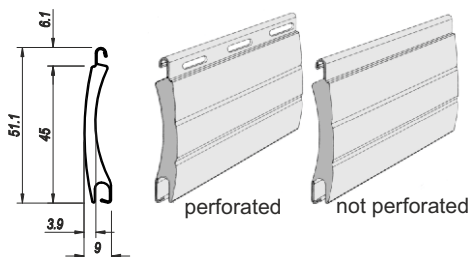
Profile's height:	39 mm
Q-ty of slats per 1m height:	26 pcs.
Max. width:	2500 mm
Max. curtain surface:	6,5 m <sup>2</sup>
Weight per 1 m <sup>2</sup> :	2,8 kg



Aluminium Profile PA-39  
Available colours – 22

# ALUMINIUM PROFILE PA-45

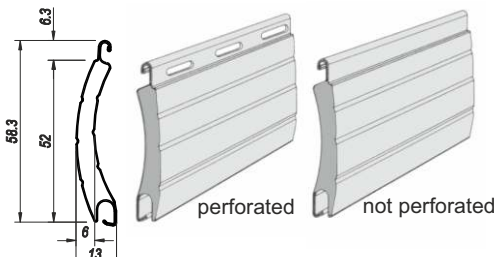
Profile's height:	45 mm
Q-ty of slats per 1m height:	23 pcs.
Max. width:	3000 mm
Max. curtain surface:	6,5 m <sup>2</sup>
Weight per 1 m <sup>2</sup> :	2,9 kg



Aluminium Profile PA-45  
Available colours – 18

# ALUMINIUM PROFILE PA-52

Profile's height:	52 mm
Q-ty of slats per 1m height:	19 pcs.
Max. width:	3700 mm
Max. curtain surface:	8,0 m <sup>2</sup>
Weight per 1 m <sup>2</sup> :	3,0 kg



Aluminium Profile PA-52  
Available colours – 13

PA - 39 X15	CREAM WHITE	PA - 39 X07	LIGHT GREY	PA - 45 X15	CREAM WHITE	PA - 52 X01	SILVER
PA - 39 X23	ANTRACITE	PA - 39 X19	BORDOUX	PA - 45 X23	ANTRACITE	PA - 52 X02	WHITE
PA - 39 X48	GOLDEN OAK	PA - 39 X30	WALNUT	PA - 45 X48	GOLDEN OAK	PA - 52 X03	GREY
PA - 39 X13	GREEN	PA - 39 X01	SILVER	PA - 45 X13	GREEN	PA - 52 X05	BEIGE
PA - 39 X16	IVORY	PA - 39 X02	WHITE	PA - 45 X16	IVORY	PA - 52 X07	LIGHT GREY
PA - 39 X22	MAHOGANY	PA - 39 X03	GREY	PA - 45 X22	MAHOGANY	PA - 52 X08	DARK BROWN
PA - 39 X09	BROWN	PA - 39 X04	DARK BEIGE	PA - 45 X09	BROWN	PA - 52 X26	STEEL OLIVE
PA - 39 X08	DARK BROWN	PA - 39 X05	BEIGE	PA - 45 X08	DARK BROWN	PA - 45 X04	DARK BEIGE
PA - 39 X54	WINCHESTER	PA - 39 X26	STEEL OLIVE	PA - 45 X54	WINCHESTER	PA - 45 X05	BEIGE
PA - 39 X34	WENGE	PA - 39 X27	BASALT GRAY	PA - 45 X27	BASALT GRAY	PA - 45 X26	STEEL OLIVE
PA - 39 X20	BLACK	PA - 39 X24	STEEL ANTHRACITE DB703	PA - 45 X24	STEEL ANTHRACITE DB703	PA - 45 X26	STEEL OLIVE

**Texture of Colours** – golden oak, walnut, winchester, mahogany, wenge – may be different. The Portos Company will not consider a complaint from this reasons.  
**NOTE** - the colour samples presented above can to some extent vary from the actual colours.

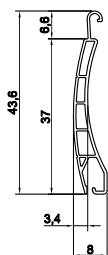


DESCRIPTION

# PVC PROFILE 37

Profile's height:	37 mm
Q-ty of slats per 1m height:	27 pcs.
Max. width:	1600 mm
Max. curtain surface:	3,0 m <sup>2</sup>
Weight per 1 m <sup>2</sup> :	3,5 kg

PVC - 37 X02  
WHITE  
PVC - 37 X03  
GREY  
PVC - 37 X05  
BEIGE



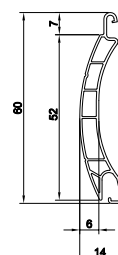
perforated

DESCRIPTION

# PVC PROFILE 52

Profile's height:	52 mm
Q-ty of slats per 1m height:	19 pcs.
Max. width:	1600 mm
Max. curtain surface:	4,3 m <sup>2</sup>
Weight per 1 m <sup>2</sup> :	4,0 kg

PVC - 52 X02  
WHITE  
PVC - 52 X03  
GREY  
PVC - 52 X05  
BEIGE



perforated

PVC profile PVC-37 and PVC-52 available in 3 colours