



Roller shutters **Horizontal Blinds** Fly screens



PRICE LIST OF FACADE BLINDS
2026

TABLE OF CONTENTS

Facade blinds 1

Colours 2

Facade blinds 1

Colours 2

Types of facade blind packages 3

NHK system..... 6

Facade blind in VBoxes..... 7

Facade blind VBox ECO- underplaster..... 8

VBox ECO- box system 9

Facade blind with lamellas C-80 32

Facade blind with lamellas Z-90..... 38

Facade blind in CleverBox 44

Facade blind in Styroterm 61

Components 69

Price list of packages 75

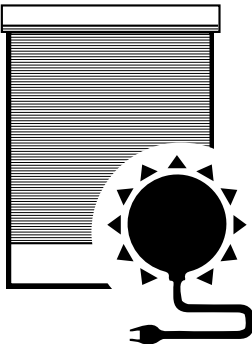
Electronics 79

Mounting methods and dimensioning..... 82

Set of colours..... 85

Facade blinds

Facade blinds are window coverings that are increasingly winning our hearts. Thanks to their elegant appearance, they fit perfectly into any modern facade, while also giving a unique character to other architectural styles. Facade blinds are an excellent solution for particularly demanding customers. It provides privacy, its extraordinary thermal comfort significantly reduces the costs of air conditioning and heating buildings, which is a very important argument today. Controllable lamellas allow you to regulate the amount of light entering the interior, providing excellent protection against excessive sunlight and UV radiation. In this age of technological progress, another advantage is the ability to fully automate the operation of facade blinds.



Our range of electric drives also includes solar-powered drives, which offer a modern, eco-friendly and energy-efficient solution.

COLOURS

Lamellas colours		C-80	Z-90	C80 Flat
RAL 9006		✓	✓	✓
RAL 7016		✓	✓	✓
RAL 9016		✓	✓	✓
RAL 1015		✓	✓	—
RAL 8014		✓	✓	—
RAL 7035		✓	✓	✓
RAL 9005		✓	✓	✓
RAL 9007		✓	✓	✓
DB 703		extra	extra	—
woodgrain	Turner Oak	—	NEW for Z-90	—
	Winchester	—		—
	Golden Oak	—		—

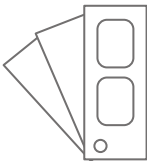
availability 2nd half of the year

✓ standard

For extra colour +5% surcharge to the price list
The colours shown are for illustrative purposes only. To select a colour, please use the original Vertex S.A. sample book.

Colour of fittings

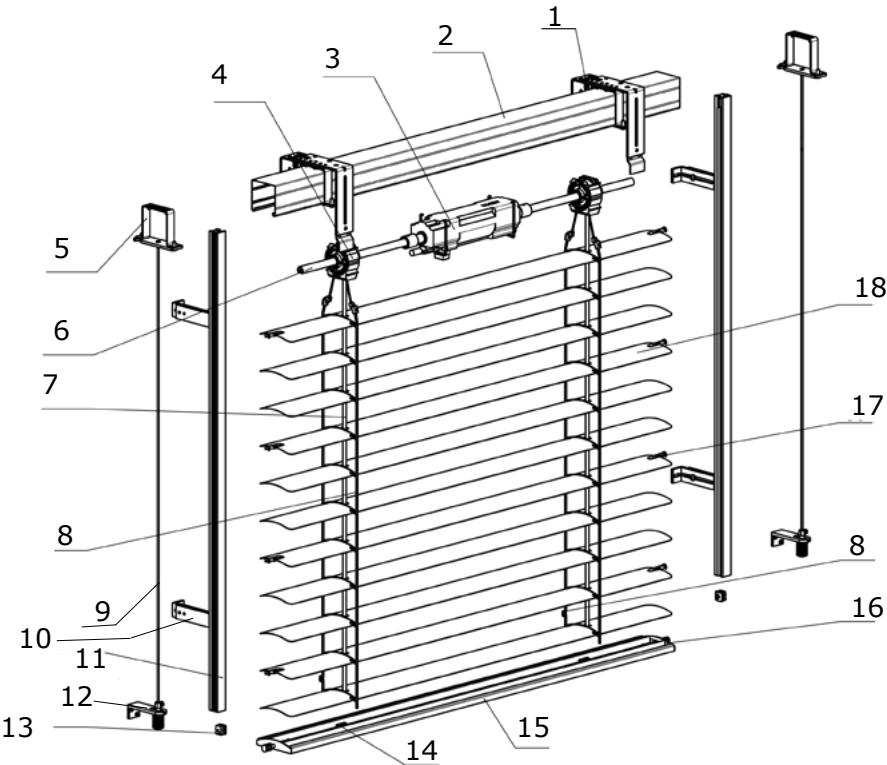
Element	Standard colours	Extra colours
Guide rail and guide rail holders	All RAL colours from the Vertex collection-page 85	Colours DB 703 + 5% RAL colours outside the Vertex collection - individual pricing
Bottom slat		
Cover sheets		
Tape	grey	black
String Ladders		



Set of colours in standard surcharge on page 85

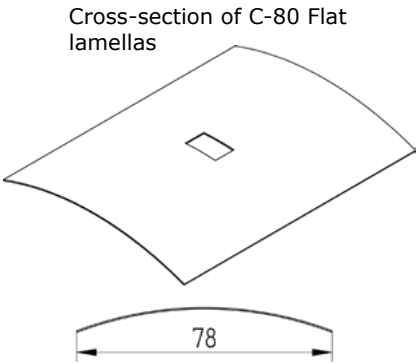
TYPES OF LOUVRE PACKAGES FACADE

Facade blind package in the C-80 Flat system

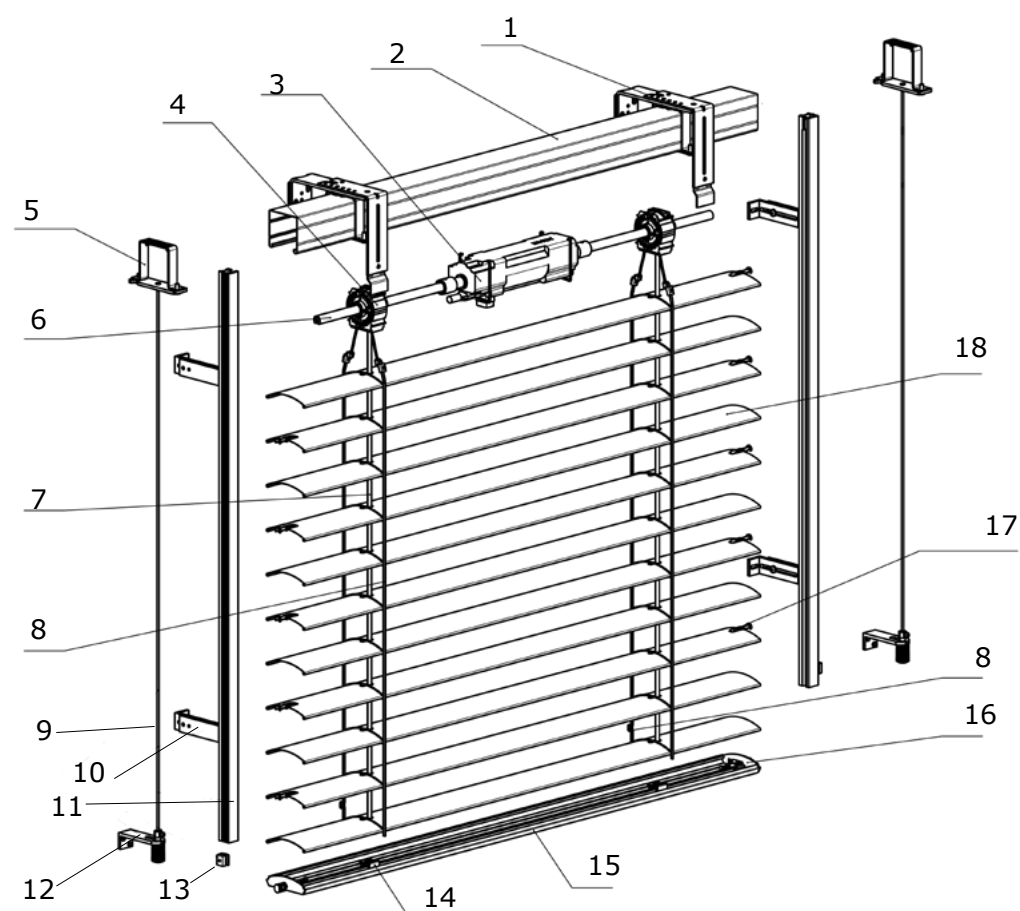


1. Top rail hanger
2. Top rail
3. Motor
4. Bearing
5. Rope hanger
6. Shaft
7. Tape
8. Ladder
9. Cord - interchangeable with the guide
10. Guide rail handle
11. Guide rail
12. Cord handle
13. Guide rail stopper
14. Tape holder
15. Bottom slat
16. End cap for bottom slat
17. Pin
18. Lamella/slat

The new, flatter C-shaped slats are a great solution that allows you to achieve greater blind heights. This makes it possible to cover larger window spaces while maintaining the existing box sizes. The C Flat slat package is very compact, when pulled up it does not take up any additional space, as it is completely hidden in the box. The simple, smoother, ergonomic shape also has additional aesthetic values.

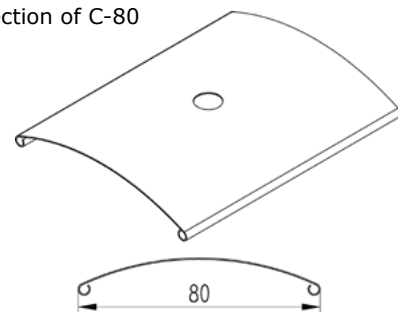


Facade louvre package with C-80 lamellas



- | | | |
|--------------------|---|-----------------------------|
| 1. Top rail hanger | 7. Tape | 13. Guide rail stopper |
| 2. Top rail | 8. Ladder | 14. Tape holder |
| 3. Motor | 9. Cord - interchangeable with the guide rail | 15. Bottom slat |
| 4. Bearing | 10. Guide rail handle | 16. End cap for bottom slat |
| 5. Rope hanger | 11. Guide rail | 17. Pin |
| 6. Shaft | 12. Cord handle | 18. Lamella/slat |

Cross-section of C-80

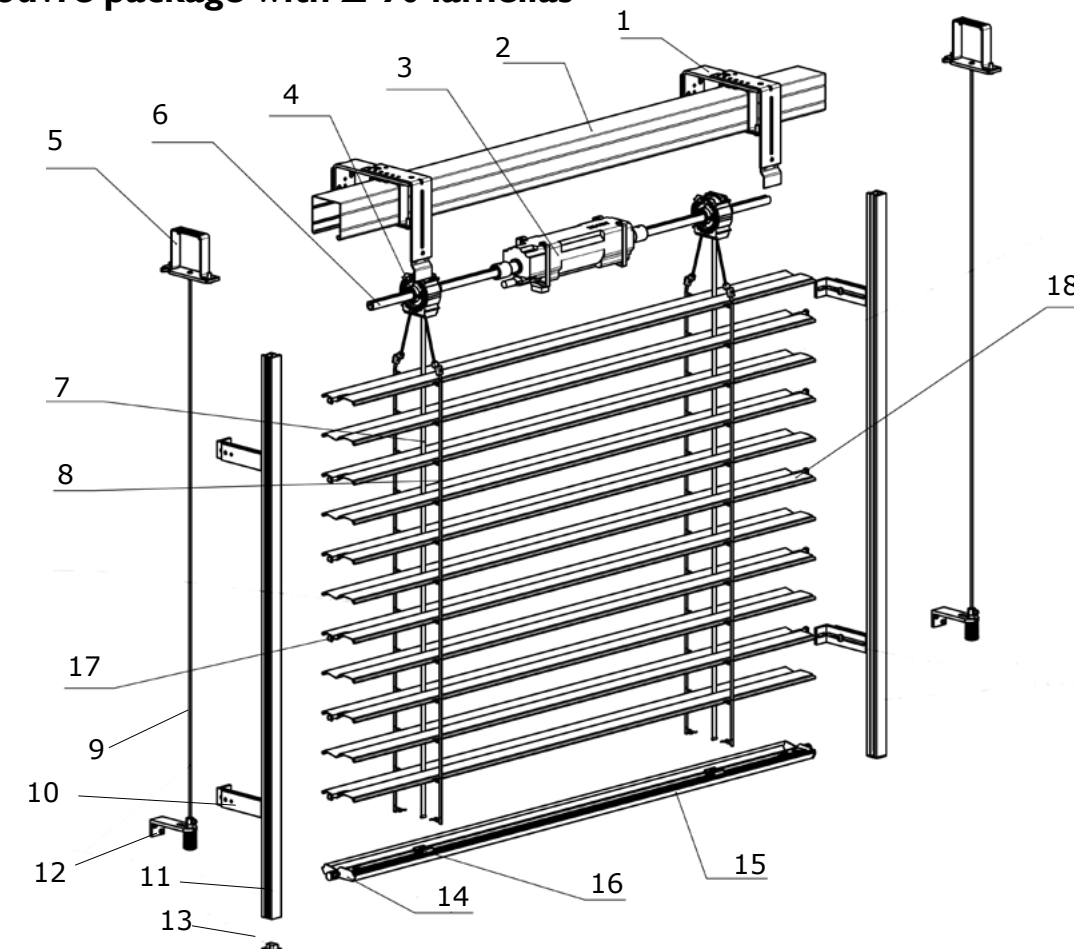


The façade blind C-80 is fitted with 80 mm wide, 0.42 mm thick C-shaped aluminum slats.

Product features:

- Steel top rail 58×56 (galvanized)
- Bottom slat and guide rails made of extruded aluminium.
- Tape and Ladder made of a material with increased resistance to stretching, breaking and any mechanical damage as well as UV radiation.
- C-shaped aluminum lamellas with a so-called „collar“ made of 0.42 m sheet metal

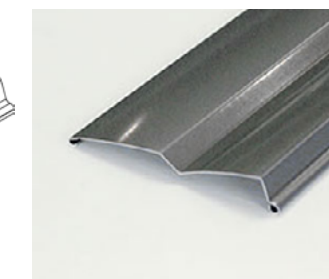
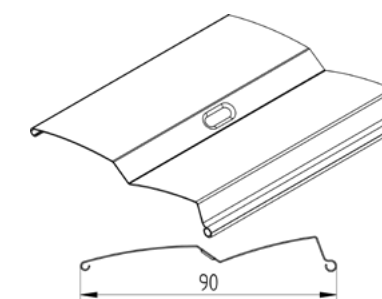
Facade louvre package with Z-90 lamellas



- | | | |
|--------------------|---|-----------------------------|
| 1. Top rail hanger | 7. Tape | 13. Guide rail stopper |
| 2. Top rail | 8. Ladder | 14. Tape holder |
| 3. Motor | 9. Cord - interchangeable with the guide rail | 15. Listwa dolna |
| 4. Bearing | 10. Guide rail handle | 16. End cap for bottom slat |
| 5. Rope hanger | 11. Guide rail | 17. Pin |
| 6. Shaft | 12. Cord handle | 18. Lamella/slat |

Z-shaped aluminum lamellas made of 0.42 mm sheet metal (painted with polyester paint – smooth). When fully closed, the Z-90 facade blinds forms a very tight curtain that blocks out sunlight. The lamellas are fitted with a rubber seal along their entire length, ensuring they close tightly.

Cross-section of Z-90



Product features:

- Steel top rail 58×56 (galvanized).
- Bottom slat and guide rails made of extruded aluminum.
- Tape and Ladder made of a material with increased resistance to stretching, breaking and any mechanical damage as well as UV radiation.
- „Z“ shaped aluminum lamellas with a so-called „collar“ made of 0.42 m sheet metal.

NHK system for all types of facade blinds

The NHK emergency opening system allows the louvre to be opened by cranking when the electrical supply is interrupted.

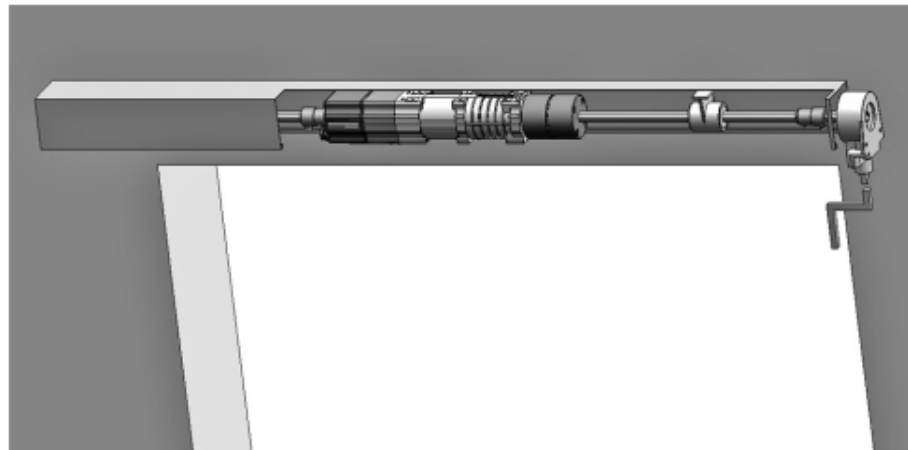
NOTE: When placing an order, specify the control side for the NHK drive.

Minimum lamella width (mm)	85
Maximum height (mm)	3000
Maximum width (mm)	3000*
Maximum width (mm)	5,5

* Maximum width for self-supporting system 2400 mm.



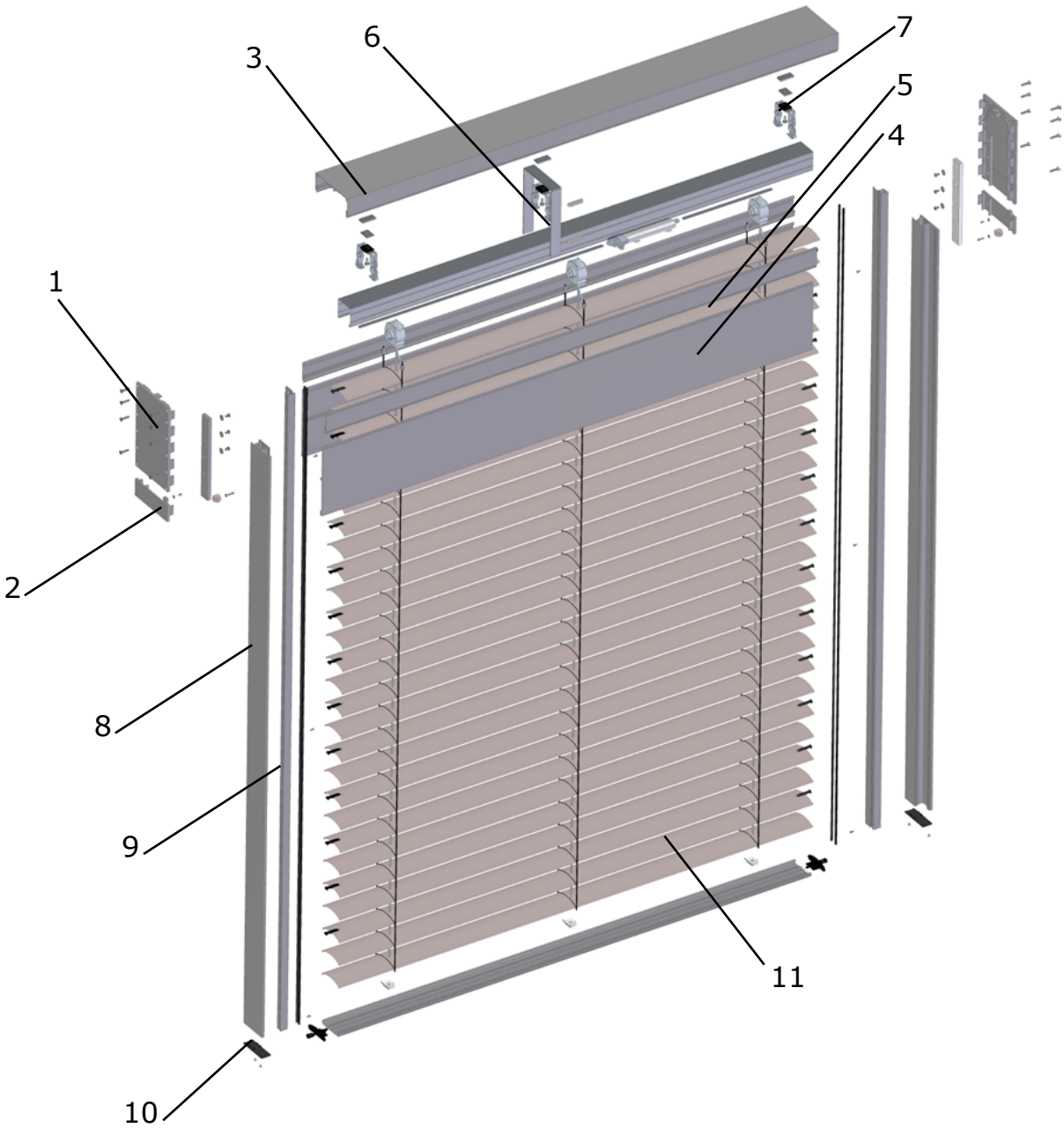
Motor JA10NHK



Scheme of façade blinds with the NHK system

I. Facade blinds in VBoxes

Vbox cassette systems are made from extruded aluminium. They guarantee quick and easy installation. The complete cassette with the blind package only needs to be mounted on the guides and screwed to the building façade or window joinery.

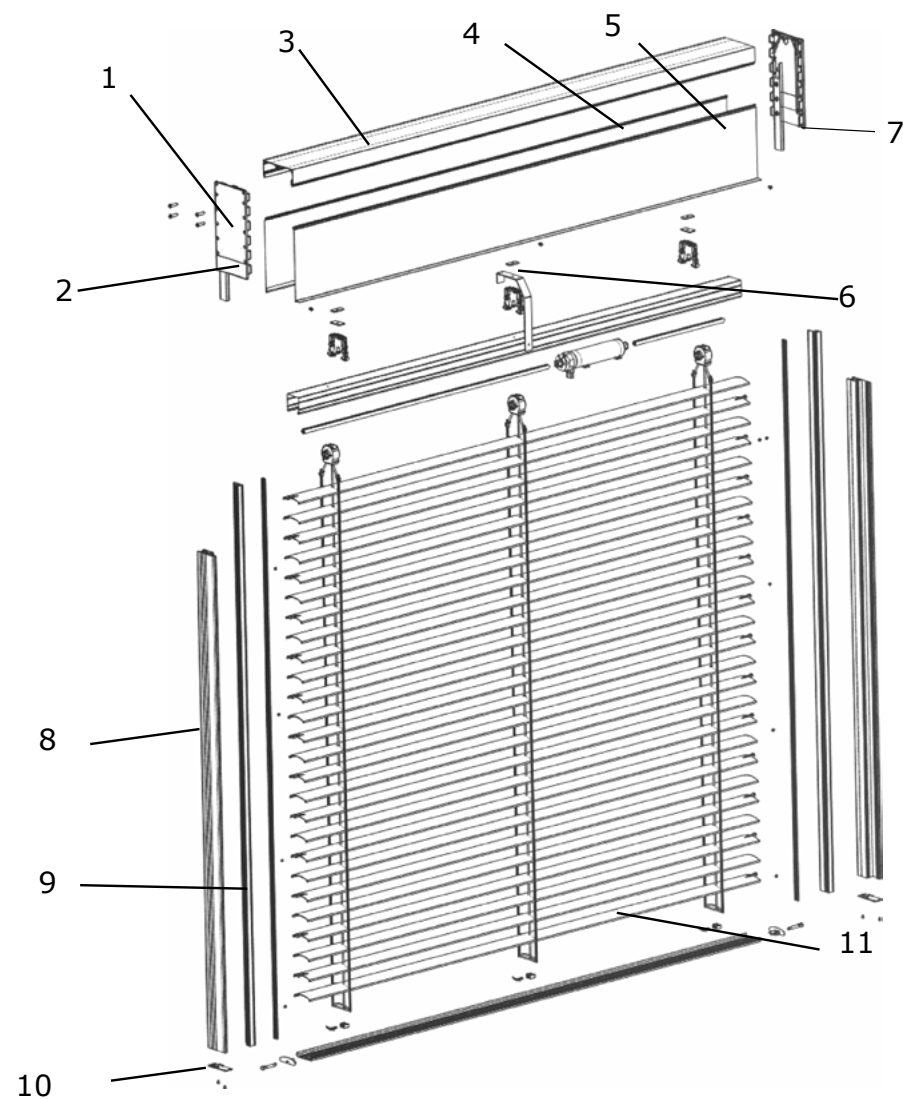


1. The side of the VBox cassette
2. VBox extension module
3. VBox top of box
4. Revision of the VBox 200
5. Revision of the VBox 50
6. Strengthening VBox 200 for box 250 and 300
Strengthening VBox 300 for box 350 and 400
Strengthening VBox 400 for box 450 and 500

7. Top rail hanger type click
8. Guide rail (base VBox)
9. Guide rail (slide VBox)
10. VBox guide rail end cap
11. Blinds package
- Simple, modern design.
 - Easy to install.
 - Durable, modular box.
 - Smooth manual or electric control

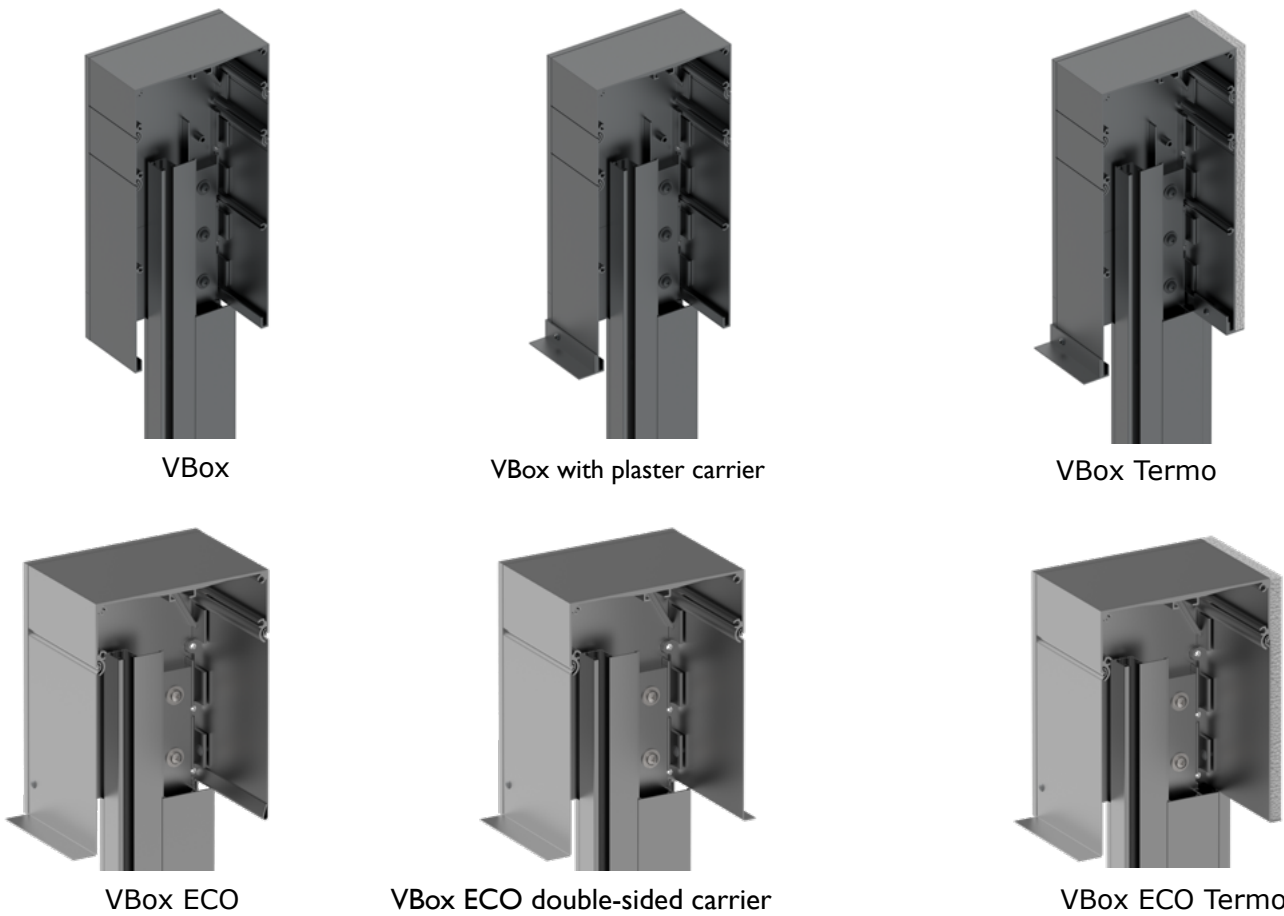
Facade blind VBox ECO- underplaster

To meet our customers' expectations, we are introducing a new model of blinds in the VBox Eco system, enriched with certain details. This is another of our solutions that ensures simple, quick, straightforward and uncomplicated installation . The revision panel, which opens and is secured from the front of the box, lends lightness and rigidity to the entire structure, also provides easy access to the package. The VBox Eco is designed for underplaster installation of facade blinds. The simple design of the box allows for the creation of impressively large window coverings, particularly when used with the C-80 Flat blind system.

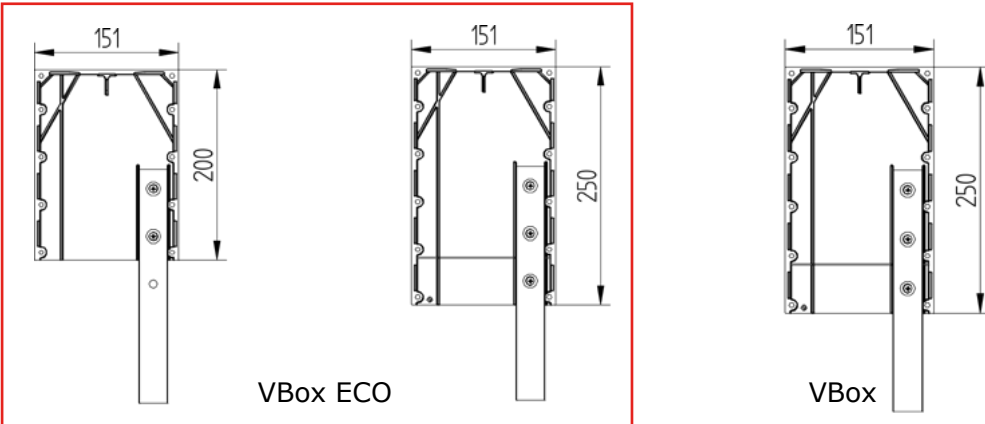


- | | |
|---|--|
| 1. The side of the VBox cassette | 7. Top rail hanger type |
| 2. VBox extension module | 8. Guide rail (base VBox) |
| 3. VBox top of box | 9. Guide rail (slide VBox) |
| 4. Revision of the VBox ECO | 10. VBox guide rail end cap |
| 5. Revision of the VBox ECO | 11. Blind package |
| 6. Strengthening VBox 200 for box 250 and 300
Strengthening VBox 300 for box 350 and 400 | <ul style="list-style-type: none"> • Simple, modern design. • Easy to install. • Durable, modular box. • Smooth manual or electric control |

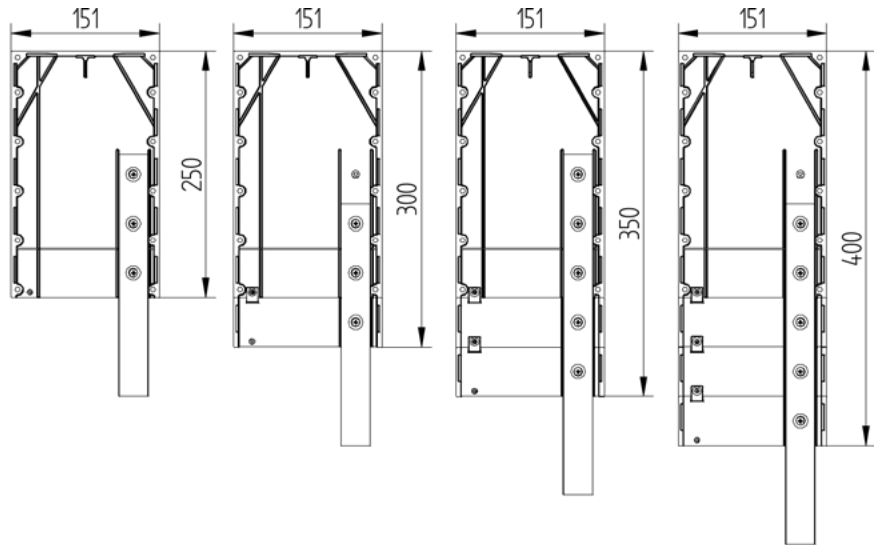
VBox and VBox ECO- box system



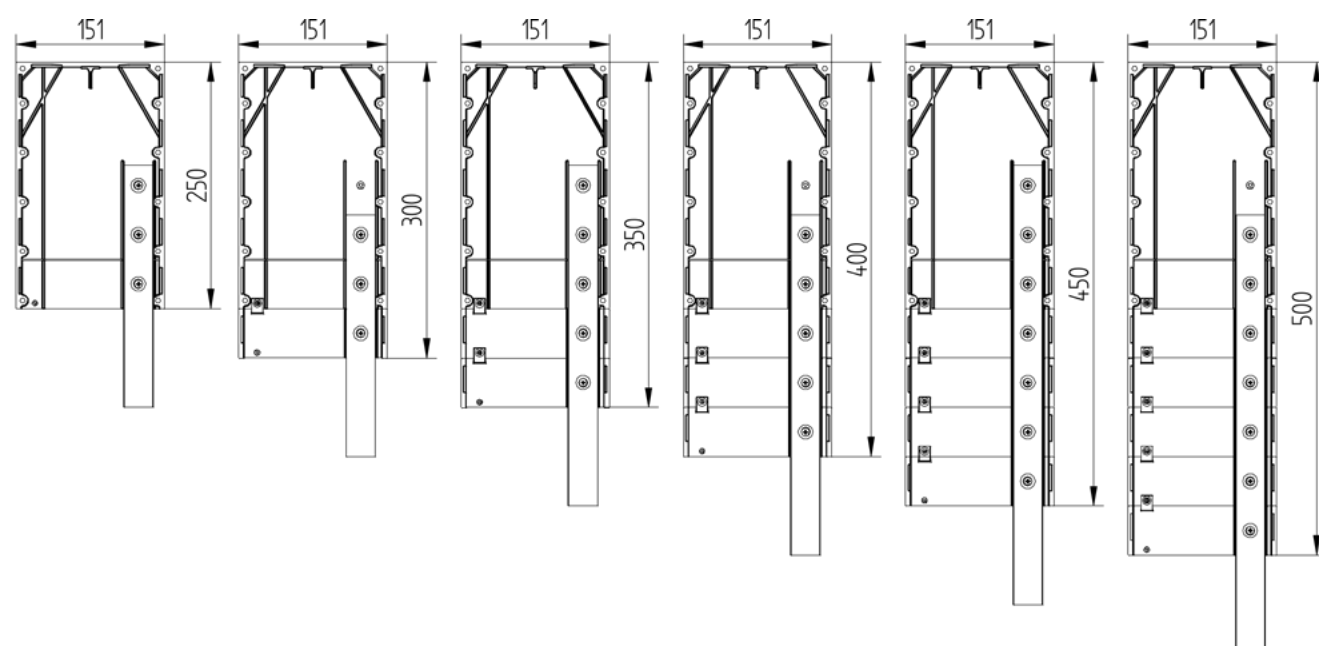
Dimensions of VBox and VBox ECO for C-80 Flat package



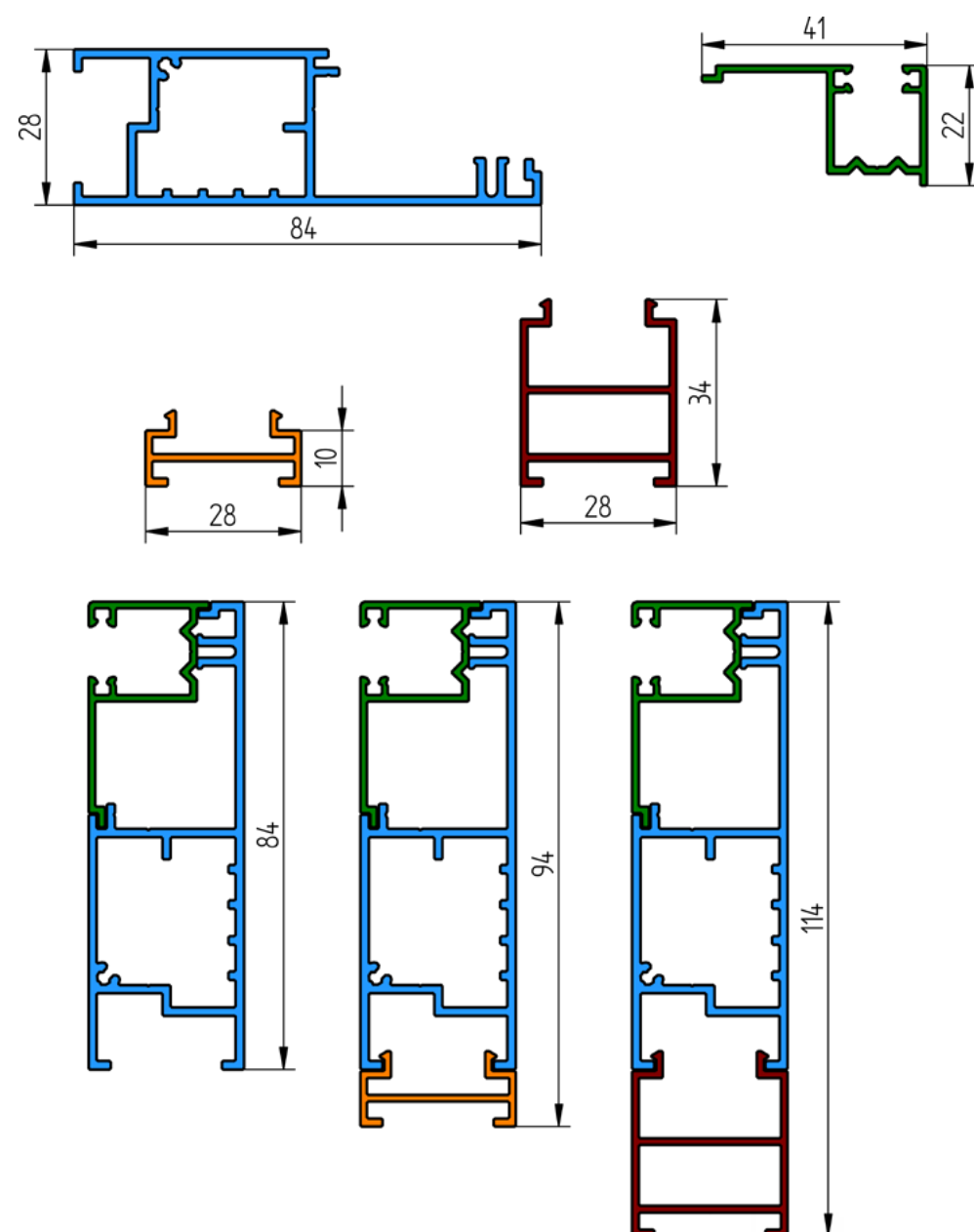
Dimensions of VBox ECO for the C-80 and Z-90 package



Dimensions of VBoxes



VBox and VBox ECO guide rail's system



Structural limit values for facade louvres in VBox and VBox ECO boxes

Type package	Minimum width (mm)	Maximum width (mm)	Maximum height (mm)	Maximum surface m ²	
				Manual control	Electric control
C-80 Z-90	600	4000	5000	8	20
C-80 Flach	600	4000	4000	8	16

Maximum heights for facade blinds in VBox and VBox ECO boxes

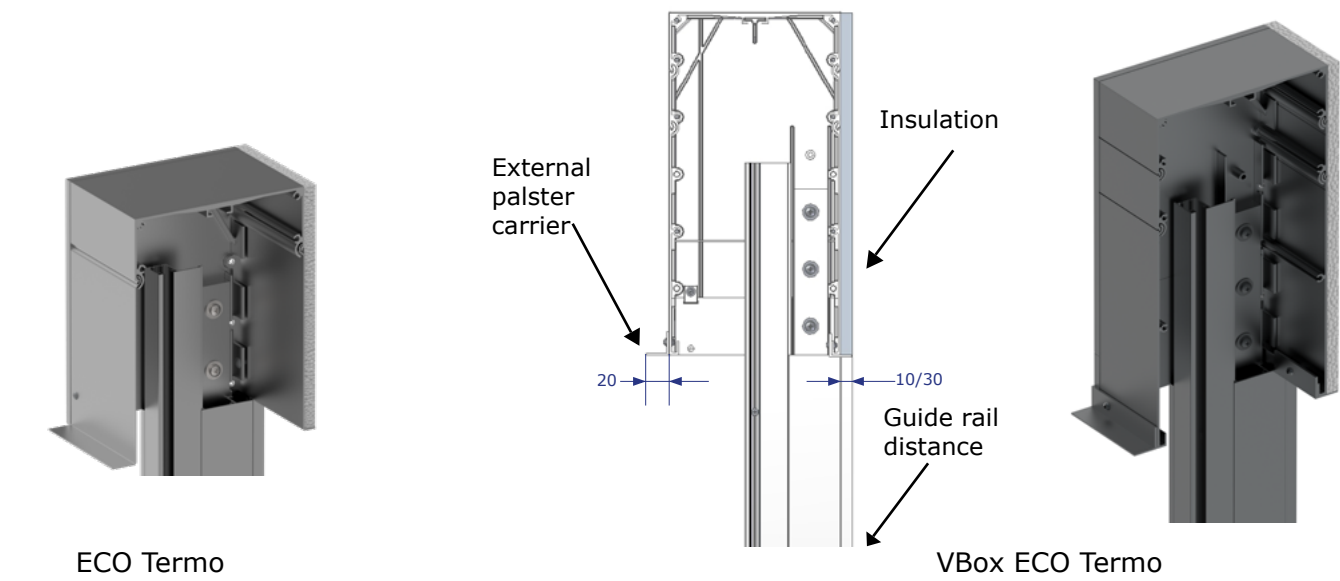
Box height (mm)	C-80 Flat package		C-80 package		Z-90 package	
	Manual control (mm)	Electric control (mm)	Manual control (mm)	Electric control (mm)	Manual control (mm)	Electric control (mm)
200*	2800	2100	-	-	-	-
250	4400	3500	1900	1600	2200	1800
300	-	-	2700	2400	3100	2700
350	-	-	3500	3200	4100	3700
400	-	-	4200	3900	4900	4600
450	-	-	5000	4700	5000	5000
500	-	-	-	5000	-	-

* Applies only to VBox ECO

Wind classes for facade blinds in VBox and VBox ECO boxes

Dimensions width x height (mm)	C-80 Flat package	C-80 package	Z-90 package
2000 x 3000	3	-	-
3000 x 3000	3	-	-
4000 x 3000	2	-	-
2000 x 4000	3	4	4
3000 x 4000	3	3	3
4000 x 4000	-	2	2
4000 x 5000	-	1	2

VBox Thermo i VBox ECO Thermo



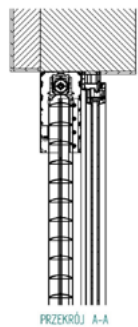
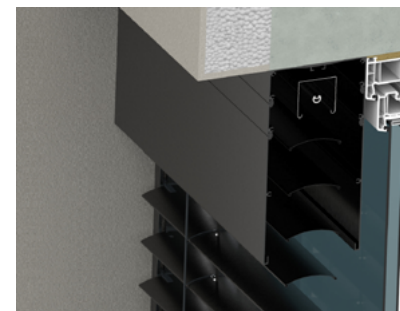
The Thermo version also includes:

Element	VBox Thermo 10	VBox Thermo 30
External palster carrier	+	+
Internal palster carrier	+	+
Insulation	10 mm	30 mm
Guide rail distance	10 mm	30 mm

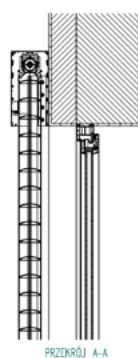
Type of installation of façade blinds in a VBox

Note: The installation methods of the blinds shown in the instructions are regarded as examples.
Note: Depending on the width of the louvre (over 2 meters), it is recommended that the box is additionally fixed to the lintel

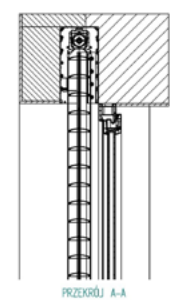
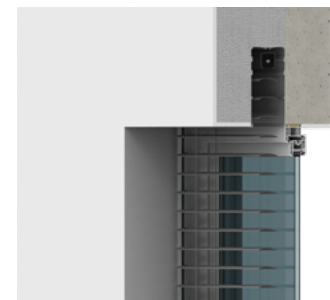
Recess mounting



Wall mounting



Mounting on the lintel



I.1 Facade BlindVBox with C-80 FLAT slats

Box	Width																		
	0,4	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4
151x250	301	316	323	345	368	403	425	451	473	495	530	556	578	601	636	661	684	706	728
	316	340	340	364	387	424	447	474	498	521	557	584	608	631	668	695	718	742	765
	332	357	357	381	406	444	469	497	522	546	585	612	637	662	700	728	753	777	802
	348	374	374	400	425	465	491	520	546	572	612	640	666	692	732	761	787	813	839
	364	390	390	417	444	486	513	543	570	597	639	669	696	723	764	795	822	849	875
	379	407	407	435	464	507	535	566	594	622	665	697	725	753	796	828	856	884	912
	395	424	424	453	483	527	557	589	619	648	693	725	755	784	829	861	890	920	949
	410	441	441	472	502	548	579	612	643	673	720	753	784	814	861	895	925	955	986
	426	458	458	489	521	569	600	635	667	699	747	782	813	845	893	928	959	991	1 023
	442	475	475	507	540	590	623	659	691	724	774	810	843	875	925	961	994	1 027	1 060
	456	490	490	523	557	608	641	678	712	745	796	833	866	900	951	988	1 021	1 055	1 088
	472	507	507	541	576	629	663	701	736	771	823	861	896	931	983	1 021	1 056	1 090	1 125
	488	524	524	559	595	649	685	725	760	796	850	890	925	961	1 015	1 055	1 090	1 126	1 162
	504	540	540	577	614	670	707	747	784	822	877	918	955	992	1 047	1 088	1 125	1 162	1 199
	519	557	557	595	633	691	729	771	809	847	905	946	984	1 022	1 080	1 121	1 159	1 220	1 258
	535	574	574	613	653	712	751	794	833	872	932	974	1 013	1 053	1 112	1 154	1 216	1 255	1 295
	550	591	591	631	672	733	773	817	857	898	959	1 003	1 043	1 083	1 167	1 210	1 251	1 291	1 332
	566	608	608	649	691	753	795	840	881	923	986	1 030	1 072	1 136	1 199	1 243	1 285	1 327	1 368
	582	624	624	667	710	774	817	863	906	948	1 013	1 059	1 124	1 167	1 231	1 277	1 319	1 362	1 405

Price included:

- Blind package with C-80 Flat slats in standard colour
- Quantity of top rail hangers are depending on width
- Guide= VBox base+Vbox slide in standard colour
- Box of VBox in standard colour (standard collection)
- ELERO JA Soft motor or manual control .



VBox Flat

Note: the price of the blinds does not include the controls (remote controls, switches).

26

The price list shows net prices. The currency used in the price list is the €

Abstract

- 10 mm insulation

10 mm guide rail spacing (distance)

Note: the price of the blinds does not include the controls (remote controls, switches).



The price list shows net prices. The currency used in the price list is the €

Price included:

- Internal and external plaster carrier in standard colour.

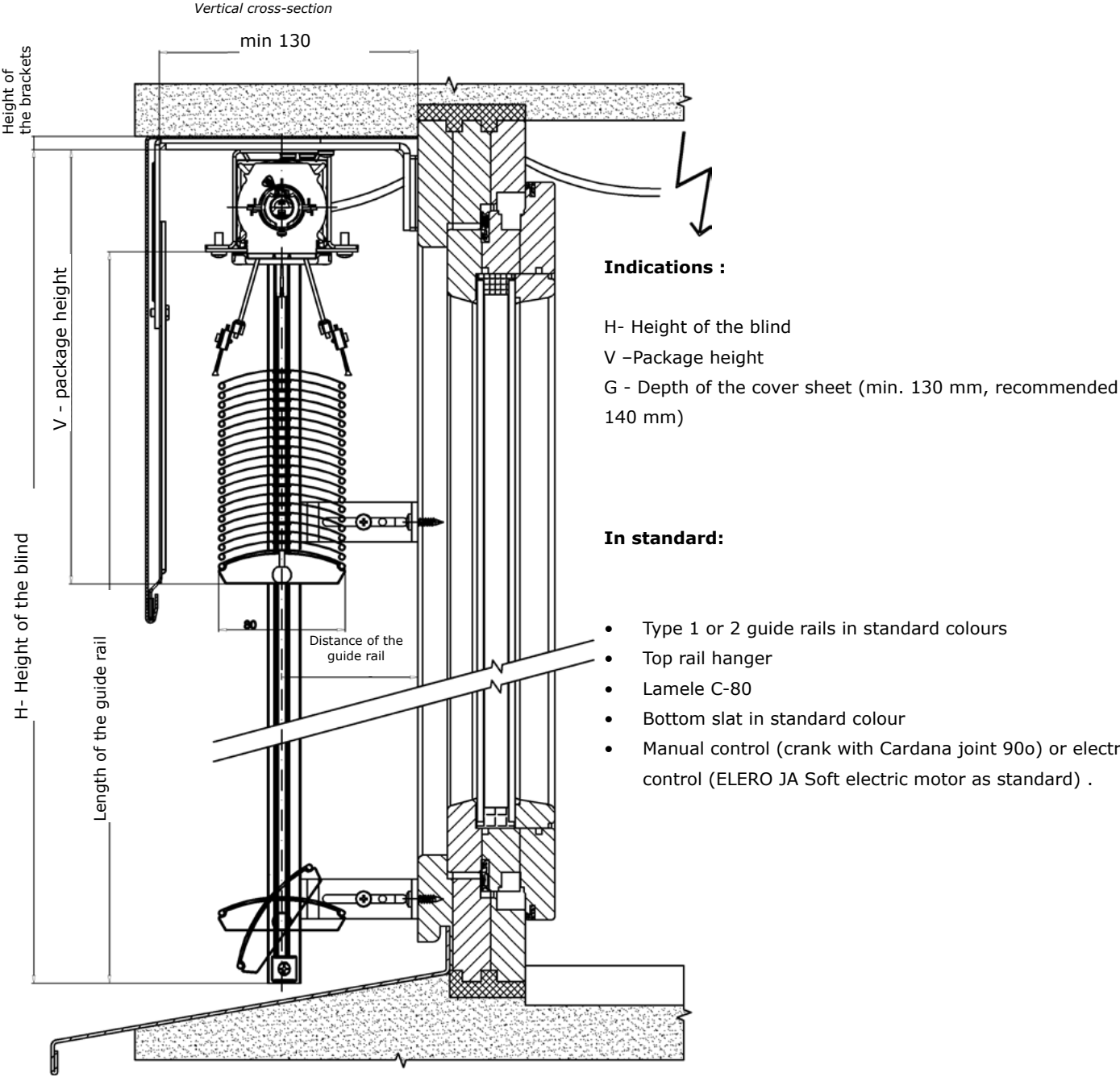
30 mm insulation

30 mm guide rail spacing (distance)

Note: the price of the blinds does not include the controls (remote controls, switches).



2. Technical information for facade blinds with C-80 lamellas



Technical information

Minimum width (mm)	Maximum height (mm)	Maximum width (mm)	Maximum surface	
			Manual control	Electric control
600	4000	4000*	8 m²	16 m²

*Maximum width for self-supporting system 2400 mm.

Blind width (mm)	up to 1300	1301-2200	2201-3100	3101-4000
Number of bearing	2	3	4	5

2.1 Net price list for manually operated C-80

Height		Width																			
		2 Hangers					3 Hangers					4 Hangers					5 Hangers				
		0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4		
2	pair of handles	0,4	173	179	184	195	200	205	219	230	235	240	259	264	269	275	293	299	304	315	
		0,6	181	187	194	206	213	219	233	246	252	258	279	285	292	298	318	325	331	344	
		0,8	189	196	204	218	225	232	247	262	269	277	299	306	314	321	343	350	358	372	
		1	196	205	213	229	237	246	262	278	287	295	319	327	336	345	368	376	385	401	
		1,2	204	213	223	240	250	260	277	294	304	313	339	348	358	367	393	402	412	429	
3	Pair of handles	1,4	211	222	233	252	262	273	292	311	321	332	359	369	380	391	417	428	439	458	
		1,6	219	231	243	263	275	287	306	326	339	350	379	390	402	414	442	454	465	486	
		1,8	235	247	260	283	295	308	329	351	364	376	406	419	432	445	475	488	501	523	
		2	243	256	270	294	308	322	343	367	381	395	426	440	454	468	500	514	527	551	
		2,2	250	265	280	305	320	335	358	383	398	413	446	461	476	491	524	539			
4	pairs of handles	2,4	256	272	288	314	330	345	369	395	411	427	461	477	493	509					
		2,6	264	280	298	325	343	359	384	412	428	446	482	498	515						
		2,8	273	291	309	339	356	374	400	430	448	465	503	521							
		3	280	300	318	350	369	388	414	446	465	484	523								
		3,2	288	309	328	361	381	401	429	462	482	502									
		3,4	295	317	338	372	393	415	444	478	499										
		3,6	303	326	348	384	406	428	458	495	516										
		3,8	311	335	358	395	419	442	473	510											
		4	319	343	367	407	431	456	488	527											

• Price includes:

- Blind package with C-80 slats in standard colour.
- Quantity of top rail hangers are depending on width.
- Type 1 or 2 guide rails in standard colours or rope guide.
- Bracket of rope U1 (for blinds with rope guide)
- Guide rail brackets Type L1 or L2 or L3 in standard colour: (in the version with guides) in an quantity depending on the height.
- Manual control with a crank.
- **Price not included:**
- Cover sheets
- Sides of cover sheets



C-80

2.2 Net price list for electrically operated C-80 blinds

Width																			
2 Hangers						3 Hangers						4 Hangers				5 Hangers			
	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4	
Height	0,4	222	228	234	247	254	259	273	287	293	298	321	326	332	338	360	366	371	385
	0,6	230	237	244	259	266	273	288	304	310	317	341	348	354	361	385	392	399	414
	0,8	238	246	254	271	279	287	303	320	328	336	361	369	377	385	410	417	425	443
	1	247	256	264	283	292	300	318	336	345	354	382	390	399	408	435	444	452	471
	1,2	255	265	275	295	305	315	333	354	363	373	402	411	422	431	460	470	480	500
2 pair of handles	1,4	263	274	285	307	318	328	348	370	381	391	422	433	444	455	485	496	506	529
	1,6	271	283	295	319	330	343	363	386	398	410	442	454	466	478	510	522	534	557
3 Pair of handles	1,8	288	301	314	339	352	365	386	411	424	437	471	484	496	510	543	556	569	594
	2	295	310	324	350	365	379	401	428	442	456	491	505	519	533	568	582	596	623
4 pairs of handles	2,2	304	319	334	362	377	393	416	444	459	474	511	526	541	556	593	608	623	651
	2,4	311	326	343	372	388	404	428	458	473	489	527	543	558	574	612	628	683	712
	2,6	319	336	353	384	401	417	443	474	490	507	547	563	580	597	637	693	710	741
	2,8	329	346	365	397	415	433	459	491	510	527	569	586	604	622	703	720	738	771
	3	337	356	375	409	428	447	474	508	527	546	589	608	626	685	727	747	765	799
	3,2	345	365	385	421	441	460	489	525	545	565	609	629	688	708	753	773	793	828
	3,4	354	374	395	433	454	475	504	541	562	583	629	690	711	731	778	798	819	856
	3,6	361	383	406	445	467	489	519	558	580	602	689	711	733	755	802	825	847	885
	3,8	370	393	416	456	480	502	534	574	597	660	709	732	755	779	827	850	873	914
	4	378	402	426	468	492	516	549	591	615	679	730	753	778	802	852	876	901	942

- **Price includes:**
- Blind package with C-80 slats in standard colour.
- Quantity of top rail hangers are depending on width.
- Type 1 or 2 guide rails in standard colours or rope guide.
- Bracket of rope U1 (for blinds with rope guide)
- Guide rail brackets Type L1 or L2 or L3 in standard colour. (in the version with guides) in an quantity depending on the height.
- ELERO JA Soft motor

- **Price not included:**
- Cover sheets
- Sides of cover sheets
- **Please note: the price of the blinds does not include the control system (remote controls, switches).**



Name of brand	Model Of Motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9/10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74	67
	JA COMFORT 868		x	x	x	x	x		117	110
	JA 10 NHK	x						x	667	
GEIGER	GJ56	x							4	23
SOMFY	J4 WT		x						32	50
	J4 WT PROTECT		x		x				45	66
	J4S IO PROTECT		x		x	x			208	205

Solar set ELERO (JA 04 / JA 10 Soft DC motor, solar panel with battery, Combo-868 JA DC) supplied with a facade blind	903.00 Eur
VarioSon-868 Slide white	85.00 Eur
LumeroSon-868 Slide white	58.00 Eur
VarioSon W-868 white	58.00 Eur
LumeroSon W-868 white	35.00 Eur
MonoSon W-868 white	35.00 Eur
LumeroSon-868 Mini white	48.00 Eur
MonoSon-868 Mini white	48.00 Eur
Aero-868 Plus wind and sun sensor, radio-controlled, (dual-cell)	326.00 Eur

Solar set OZRoll (Q6 motor, solar panel with battery, mounting clips) included with blind	551.00 Eur
Remote control OZRoll E-Trans 1-channel	58.00 Eur
Remote control OZRoll E-Trans 9 -channels	68,80 Eur
OZRoll charger with adapter	61.00 Eur
OZRoll ARIA wind and solar automation system (230V power supply)	817.00 Eur



Surcharges for blinds C-80

Additional charge for the self-supporting system (the quote includes the total blind area, including the package). Maximum blind width: 2400 mm.		+68,90 Eur/m²
Ladder and tape	Price	
Grey	Included in the price	
Black	8,30 Eur for blind	
Pins	Price	
PVC	Included in the price	
Steel	6,00 Eur/1m height of the blinds	
Guide rail in standard color	Price	
Type 1 or typ 2	Included in the price	
Type PT (2 pieces Set)	17,20 Eur /1m	
Type D2	7,30 Eur /1m	
Guide rail Vbox base and slide	20,00 Eur /1m	
Self-supporting type	14,10 Eur /1m	
Cord guide	Included in the price	

Surcharges for facade blinds C-80

Guiding rail handle in standard colour	Price
Type L1 (55-74 mm)	Included in the price
Type L2 (75-102 mm)	
Type L3 (103-154 mm)	
Type T1(103-170 mm)	8,90 Eur/pc
Type T2 (171-295 mm)	12,10 Eur/pc
Type PT1 (20-78 mm)	Included in the price
Type PT2 (55-124 mm)	
Type PT3 (104-174 mm)	
Type S1 (56-80 mm)	5,80 Eur/pc
Type S2 (81-125 mm)	7,10 Eur/pc
Cord handle in standard colour	Price
U1 (49-70 mm)	Included in the price
U2 (70-130 mm)	0,50 Eur/pc
U3 (90-165 mm)	0,50 Eur/pc
U4 (120-200 mm)	0,80 Eur/pc
Tensioning angle (floor) with cable tensioner	2,80 Eur/Set
Angle connector in standard colour	Price
External (70-80mm)	11,40 Eur/pc
External (80-100mm)	13,90 Eur/pc
External (100-140mm)	32,10 Eur/pc
Internal (45-58mm)	26,30 Eur/pc
Internal (58-76mm)	26,80 Eur/pc
Internal (76-117mm)	30,10 Eur/pc
Connecting profile (40x40x3) (compulsory when using connectors for C-80 blinds)	21,50 Eur/lm
The above system components in extra color	Included in the price

Package height of facade blind and price list of C-80 cover sheets

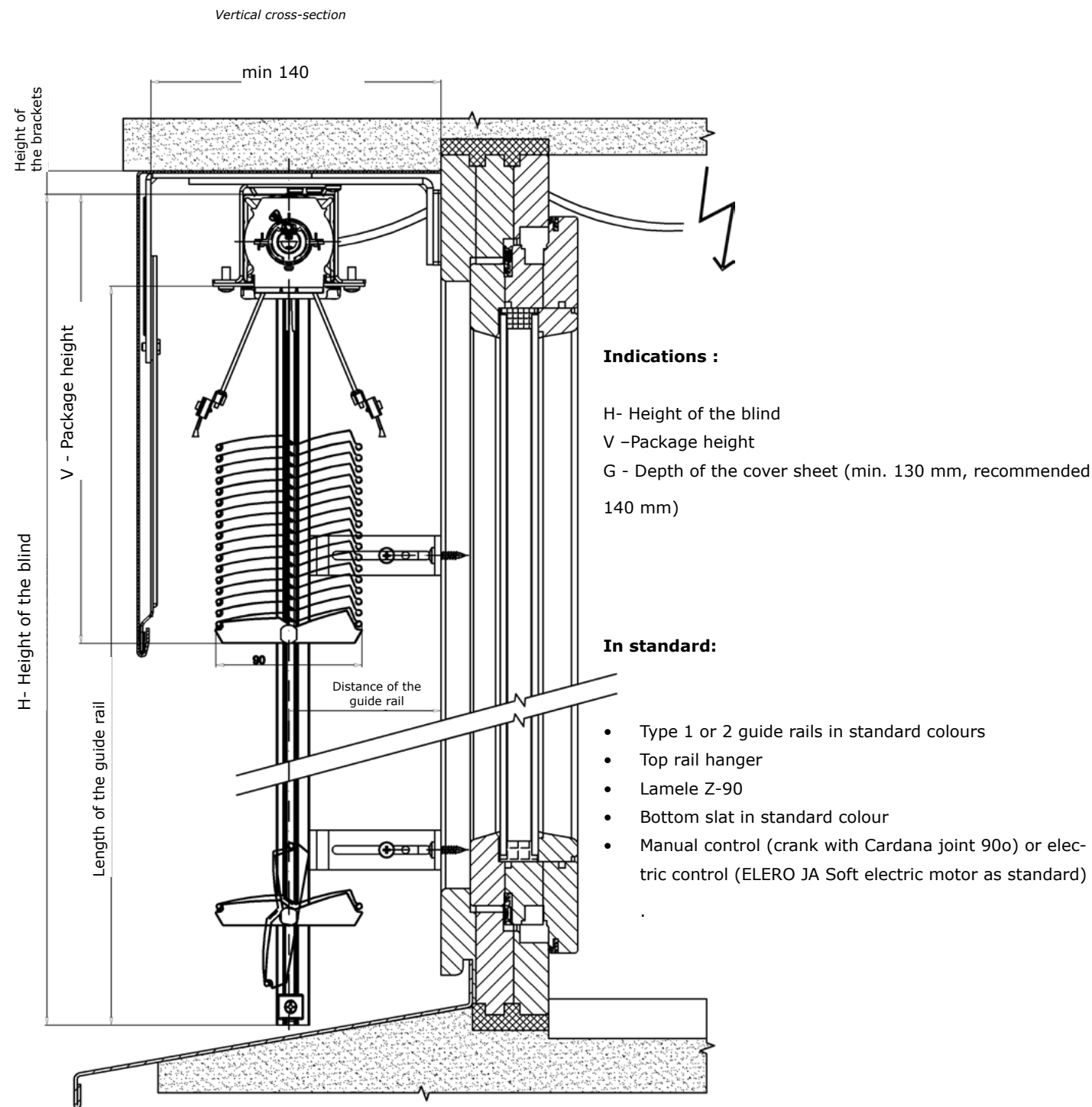
Height of facade blind (mm)	Package height		Price of cover sheets painted on one side	107,10 Eur/m ²
	Manual control (mm)	Electric control (mm)	Price of cover sheets painted on both sides	132,40 Eur/m ²
Do 500	130	150	To calculate the price of the cover sheet, multiply its surface area by the width of the blind (using the formula in the table)	
501-600	140	160		
601-700	145	165		
701-800	155	175		
801-900	155	175		
901-1000	165	185		
1001-1100	170	190		
1101-1200	180	200		
1201-1300	185	205		
1301-1400	190	210		
1401-1500	195	215		
1501-1600	205	225		
1601-1700	210	230		
1701-1800	215	235		
1801-1900	225	245		
1901-2000	230	250		
2001-2100	235	255		
2101-2200	240	260		
2201-2300	250	270		
2301-2400	255	275		
2401-2500	265	285		
2501-2600	265	285		
2601-2700	275	295		
2701-2800	280	300		
2801-2900	290	310		
2901-3000	295	315		
3001-3100	300	320		
3101-3200	305	325		
3201-3300	315	335		
3301-3400	320	340		
3401-3500	325	345		
3501-3600	335	355		
3601-3700	340	360		
3701-3800	345	365		
3801-3900	350	370		
3901-4000	360	380		

Type 0	Type 1A	Type 1B
(A+0,04) x Width	(A+B+0,02) x Width	A+B+D
Type 3A	Type 3B	Type 3C
(2xA+B+0,08) x Width	(2xA+B+D+0,06) x Width	(2xA+B+C+D+0,04) x Width
Type 3AC	Type 2	Side parts
(2xA+B+C+0,06) x Width	(A+B+0,04) x Width	(AxB) x Width

Dimension	Suggested dimension
Cover sheet width	Facade blind width
Dimension A	Package height of blind +35 mm
Dimension B	Recommended depth of the cover sheet for a given type of lamella
Dimension C	Length of internal plaster carrier
Dimension D	Length of external plaster carrier

* When calculating the height of the cover sheet, we suggest that 35 mm is added to the height of the package (read from the table) to allow the top rail hangers to be covered and ensure that the package is completely hidden behind the cover sheet.

3.Technical information for facade blinds with Z-90 lamellas



Technical information

Minimum width (mm)	Maximum height (mm)	Maximum width (mm)	Maximum surface	
			Manual control	Electric control
600	4000	4000*	8 m²	16 m²

*Maximum width for self-supporting system 2400 mm.

Blind width (mm)	up to 1300	1301-2200	2201-3100	3101-4000
Number of bearing	2	3	4	5

3.1 Net price list for Z-90 manually operated blinds

Height		Width															5 Hangers				
		2 Hangers					3 Hangers					4 Hangers					5 Hangers				
		0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4		
2	0,4	173	179	184	195	200	205	219	230	235	240	259	264	269	275	293	299	304	315		
	0,6	181	187	194	206	213	219	233	246	252	258	279	285	292	298	318	325	331	344		
	0,8	189	196	204	218	225	232	247	262	269	277	299	306	314	321	343	350	358	372		
	1	196	205	213	229	237	246	262	278	287	295	319	327	336	345	368	376	385	401		
3	1,2	204	213	223	240	250	260	277	294	304	313	339	348	358	367	393	402	412	429		
	1,4	211	222	233	252	262	273	292	311	321	332	359	369	380	391	417	428	439	458		
	1,6	219	231	243	263	275	287	306	326	339	350	379	390	402	414	442	454	465	486		
	1,8	235	247	260	283	295	308	329	351	364	376	406	419	432	445	475	488	501	523		
4	2	243	256	270	294	308	322	343	367	381	395	426	440	454	468	500	514	527	551		
	2,2	250	265	280	305	320	335	358	383	398	413	446	461	476	491	524	539				
	2,4	256	272	288	314	330	345	369	395	411	427	461	477	493	509						
	2,6	264	280	298	325	343	359	384	412	428	446	482	498	515							
5	2,8	273	291	309	339	356	374	400	430	448	465	503	521								
	3	280	300	318	350	369	388	414	446	465	484	523									
	3,2	288	309	328	361	381	401	429	462	482	502										
	3,4	295	317	338	372	393	415	444	478	499											
6	3,6	303	326	348	384	406	428	458	495	516											
	3,8	311	335	358	395	419	442	473	510												
	4	319	343	367	407	431	456	488	527												

Price includes:

- Blind package with Z-90 slats in standard colour.
- Quantity of top rail hangers are depending on width.
- Type 1 or 2 guide rails in standard colours or rope guide.
- Bracket of rope U1 (for blinds with rope guide)
- Guide rail brackets Type L1 or L2 or L3 in standard colour: (in the version with guides) in an quantity depending on the height.
- Manual drive with crank.

Price not included:

- Cover sheets
- Sides of cover sheets

Please note: the price of the blinds does not include the control system (remote controls, switches).



Z-90

3.2 Net price list for electrically operated Z-90 blinds

		Width															
		2 Hangers				3 Hangers				4 Hangers				5 Hangers			
		0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,8
Height	0,4	222	228	234	247	254	259	273	287	293	298	321	326	332	338	360	366
	0,6	230	237	244	259	266	273	288	304	310	317	341	348	354	361	385	392
	0,8	238	246	254	271	279	287	303	320	328	336	361	369	377	385	410	417
	1	247	256	264	283	292	300	318	336	345	354	382	390	399	408	435	444
	1,2	255	265	275	295	305	315	333	354	363	373	402	411	422	431	460	470
Pair of handles	1,4	263	274	285	307	318	328	348	370	381	391	422	433	444	455	485	496
	1,6	271	283	295	319	330	343	363	386	398	410	442	454	466	478	510	522
	1,8	288	301	314	339	352	365	386	411	424	437	471	484	496	510	543	556
Pair of handles	2	295	310	324	350	365	379	401	428	442	456	491	505	519	533	568	582
	2,2	304	319	334	362	377	393	416	444	459	474	511	526	541	556	593	608
	2,4	311	326	343	372	388	404	428	458	473	489	527	543	558	574	612	628
pairs of handles	2,6	319	336	353	384	401	417	443	474	490	507	547	563	580	597	637	651
	2,8	329	346	365	397	415	433	459	491	510	527	569	586	604	622	663	677
	3	337	356	375	409	428	447	474	508	527	546	589	608	626	645	685	699
	3,2	345	365	385	421	441	460	489	525	545	565	609	629	648	668	709	723
	3,4	354	374	395	433	454	475	504	541	562	583	629	650	671	691	732	747
	3,6	361	383	406	445	467	489	519	558	580	602	649	671	693	713	754	769
3,8	370	393	416	456	480	502	534	564	603	625	648	696	718	739	760	801	816
4	378	402	426	468	492	516	549	580	619	641	664	712	734	755	776	817	832

- **Price includes:**

• Blind package with Z-90 slats in standard colour.

• Quantity of top rail hangers are depending on width.

• Type 1 or 2 guide rails in standard colours or rope guide.

• Bracket of rope U1 (for blinds with rope guide)

• Guide rail brackets Type L1 or L2 or L3 in standard colour. (in the version with guides) in an quantity depending on the height.

• ELERO JA Soft motor
- **Price not included:**

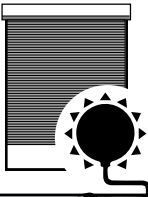
• Cover sheets

• Sides of cover sheets
- Please note: the price of the blinds does not include the control system (remote controls, switches).**



Solar set ELERO (JA 04 / JA 10 Soft DC motor, solar panel with battery, Combio-868 JA DC) supplied with a facade blind	903.00 Eur
VarioSon-868 Slide white	85.00 Eur
LumeroSon-868 Slide white	58.00 Eur
VarioSon W-868 white	58.00 Eur
LumeroSon W-868 white	35.00 Eur
MonoSon W-868 white	35.00 Eur
LumeroSon-868 Mini white	48.00 Eur
MonoSon-868 Mini white	48.00 Eur
Aero-868 Plus wind and sun sensor, radio-controlled, (dual-cell)	326.00 Eur

Solar set OZRoll (Q6 motor, solar panel with battery, mounting clips) included with blind	551.00 Eur
Remote control OZRoll E-Trans 1-channel	58.00 Eur
Remote control OZRoll E-Trans 9 -channels	68,80 Eur
OZRoll charger with adapter	61.00 Eur
OZRoll ARIA wind and solar auto-mation system (230V power supply)	817.00 Eur



Surcharges for blinds Z-90

Additional charge for the self-supporting system (the quote includes the total blind area, including the package). Maximum blind width: 2400 mm.		+68,90 Eur/m²
Ladder and tape	Price	
Grey	Included in the price	
Black	8,30 Eur for blind	
Pins	Price	
PVC	Included in the price	
Steel	6,00 Eur/Im height of the blinds	
Guide rail in standard color	Price	
Type 1 or typ 2	Included in the price	
Type PT (2 pieces Set)	17,20 Eur /Im	
Type D2	7,30 Eur /Im	
Guide rail VBox base and slide	20,00 Eur /Im	
Self-supporting type	14,10 Eur /Im	
Cord guide	Included in the price	

Surcharges for facade blinds Z-90

Guiding rail handle in standard colour	Price
Type L1 (55-74 mm)	Included in the price
Type L2 (75-102 mm)	
Type L3 (103-154 mm)	
Type T1(103-170 mm)	8,90 Eur/pc
Type T2 (171-295 mm)	12,10 Eur/pc
Type PT1 (20-78 mm)	Im Preis
Type PT2 (55-124 mm)	
Type PT3 (104-174 mm)	
Type S1 (56-80 mm)	5,80 Eur/pc
Type S2 (81-125 mm)	7,10 Eur/pc
Cord handle in standard colour	Price
U1 (49-70 mm)	Included in the price
U2 (70-130 mm)	0,50 Eur/pc
U3 (90-165 mm)	0,50 Eur/pc
U4 (120-200 mm)	0,80 Eur/pc
Tensioning angle (floor) with cable tensioner	2,80 Eur/Set
Angle connector in standard colour	Price
External (70-80mm)	11,40 Eur/pc
External (80-100mm)	13,90 Eur/pc
External (100-140mm)	32,10 Eur/pc
Internal (45-58mm)	26,30 Eur/pc
Internal (58-76mm)	26,80 Eur/pc
Internal (76-117mm)	30,10 Eur/pc
Connecting profile (40x40x3) (compulsory when using connectors for C-80 blinds)	19,50 Eur/lm
The above system components in extra color	Included in the price

Package height of facade blind and price list of Z-90 cover sheets

Height of facade blind (mm)	Package height		Price of cover sheets painted on one side	107,10 Eur/m²
	Manual control (mm)	Electric control (mm)	Price of cover sheets painted on both sides	132,40Eur/m²
Do 500	125	145		
501-600	135	155		
601-700	140	160		
701-800	145	165		
801-900	150	170		
901-1000	160	180		
1001-1100	165	185		
1101-1200	170	190		
1201-1300	170	190		
1301-1400	180	200		
1401-1500	185	205		
1501-1600	190	210		
1601-1700	195	215		
1701-1800	205	225		
1801-1900	210	230		
1901-2000	215	235		
2001-2100	215	235		
2101-2200	225	245		
2201-2300	230	250		
2301-2400	235	255		
2401-2500	240	260		
2501-2600	250	270		
2601-2700	255	275		
2701-2800	260	280		
2801-2900	260	280		
2901-3000	270	290		
3001-3100	275	295		
3101-3200	280	300		
3201-3300	285	305		
3301-3400	295	315		
3401-3500	300	320		
3501-3600	305	325		
3601-3700	305	325		
3701-3800	315	335		
3801-3900	320	340		
3901-4000	325	345		

To calculate the price of the cover sheet, multiply its surface area by the width of the blind (using the formula in the table)

Type 0	Type 1A	Type 1B
(A+0,04) x Width	(A+B+0,02) x Width	A+B+D
Type 3A	Type 3B	Type 3C
(2xA+B+0,08) x Width	(2xA+B+D+0,06) x Width	(2xA+B+C+D+0,04) x Width
Type 3AC	Type 2	Side parts
(2xA+B+C+0,06) x Width	(A+B+0,04) x Width	(Ax B) x Width

Dimension	Suggested dimension
Cover sheet width	Facade blind width
Dimension A	Package height of blind +35 mm
Dimension B	Recommended depth of the cover sheet for a given type of lamella
Dimension C	Length of internal plaster carrier
Dimension D	Length of external plaster carrier

* When calculating the height of the cover sheet, we suggest that 35 mm is added to the height of the package (read from the table) to allow the top rail hangers to be covered and ensure that the package is completely hidden behind the cover sheet.

4. Facade blinds in CleverBox top-mounted boxes

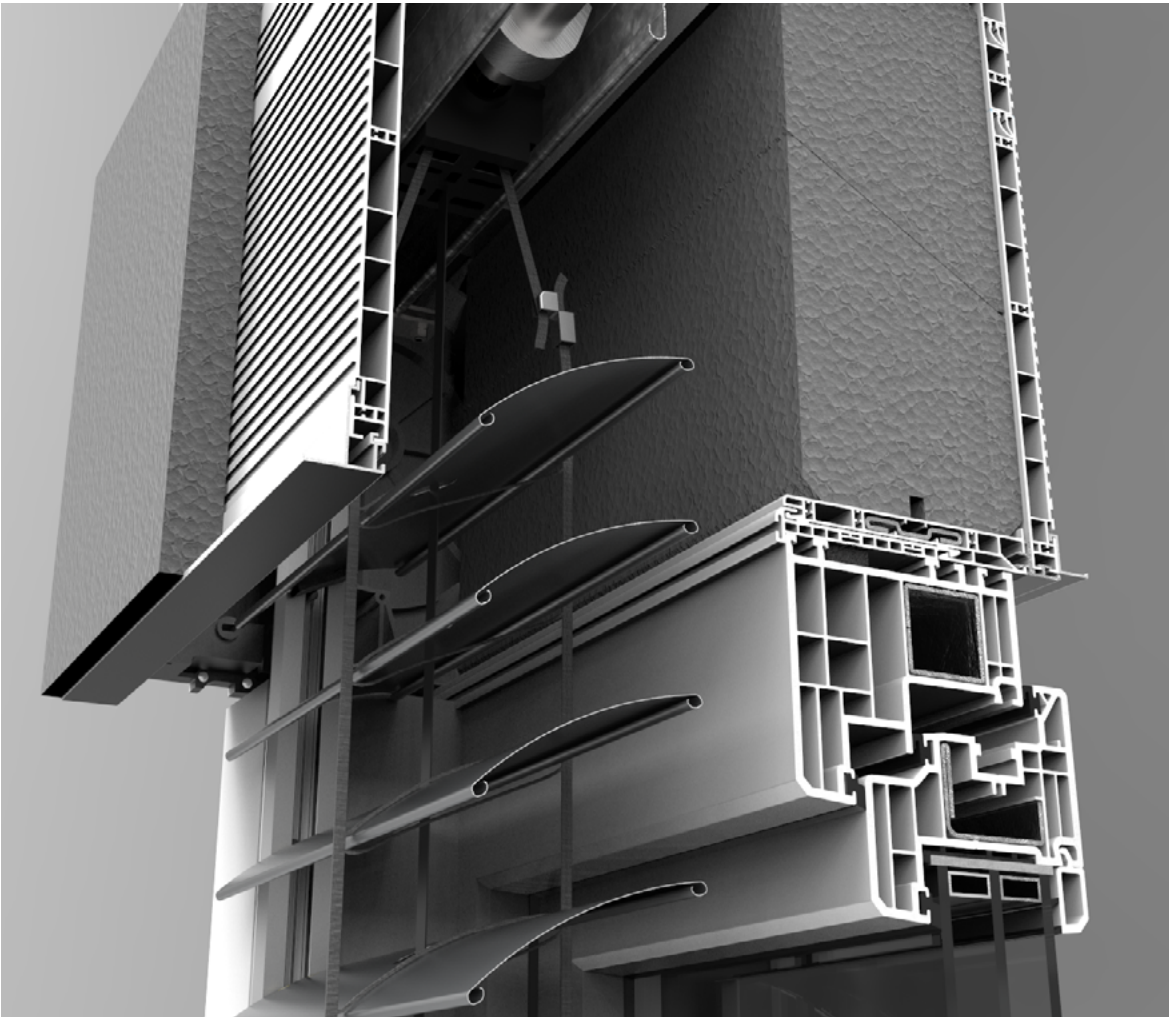
Technical information

Minimum width		Maximum width	Maximum height
Manual control (mm)	Electric control (mm)		
600	600	up to 4000 mm (depending on the lamella type)	depending on the type of lamella - the package must not exceed 225 mm

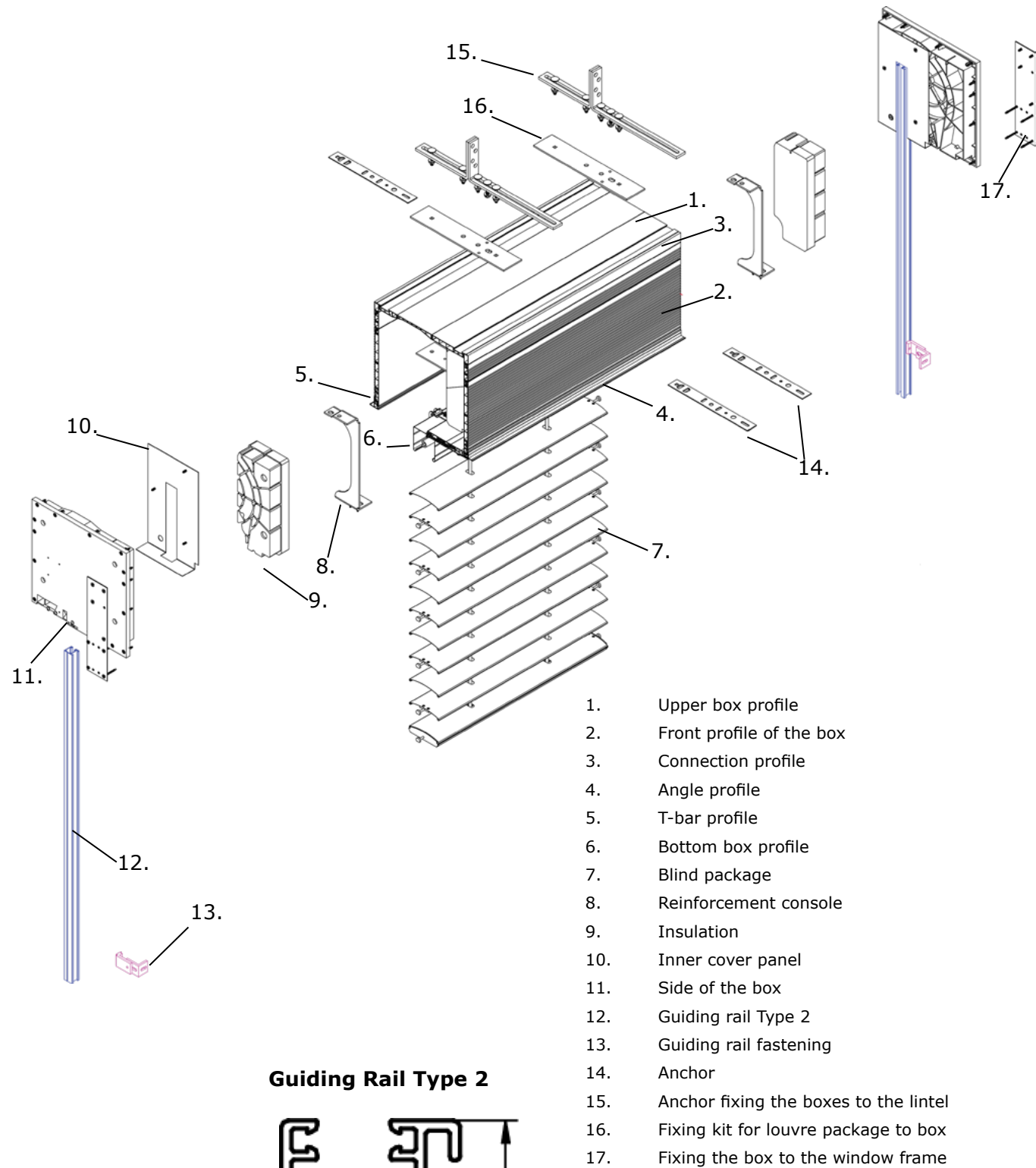
Maximum height of blinds in CleverBox 255x245

C-80		Z-90	
Manual control (mm)	Electric control (mm)	Manual control (mm)	Electric control (mm)
1600	1300	1800	1500

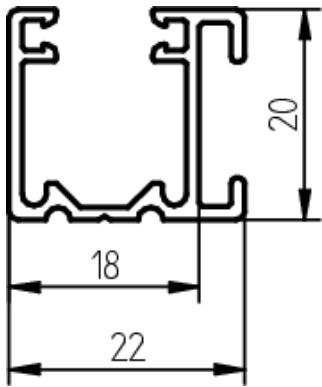
It is possible to make blinds taller than this, but when rolled up, the entire package will not fit inside the box.



Facade blind in CleverBox box with Guide mi Type 2



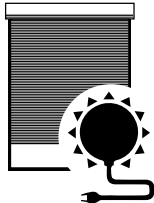
Guiding Rail Type 2



Name of brand	Model Of Motor	Mechanical end stops	Mechanical end stops	Silent brake	Obstacle and ice detection (for upward	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9 /10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74	67
	JA COMFORT 868		x	x	x	x	x		117	110
	JA 10 NHK	x						x	667	
GEIGER	GJ56	x							4	23
SOMFY	J4 WT		x						32	50
	J4 WT PROTECT		x		x				45	66
	J4S IO PROTECT		x		x	x			208	205

Solar set ELERO (JA 04 / JA 10 Soft DC motor, solar panel with battery, Combo-868 JA DC) supplied with a facade blind	903.00 Eur
VarioSon-868 Slide white	85.00 Eur
LumeroSon-868 Slide white	58.00 Eur
VarioSon W-868 white	58.00 Eur
LumeroSon W-868 white	35.00 Eur
MonoSon W-868 white	35.00 Eur
LumeroSon-868 Mini white	48.00 Eur
MonoSon-868 Mini white	48.00 Eur
Aero-868 Plus wind and sun sensor, radio-controlled, (dual-cell)	326.00 Eur

Solar set OZRoll (Q6 motor, solar panel with battery, mounting clips) included with blind	551.00 Eur
Remote control OZRoll E-Trans 1-channel	58.00 Eur
Remote control OZRoll E-Trans 9 -channels	68,80 Eur
OZRoll charger with adapter	61.00 Eur
OZRoll ARIA wind and solar automation system (230V power supply)	817.00 Eur



4.3 CleverBox facade blind with guiding rails type 2 manually operated with Z-90 slats



Box	Width																			
	2 Hangers					3 Hangers				4 Hangers					5 Hangers					
	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4		
The slats stick out of the box	255x245	0,4	354	373	393	413	441	461	522	541	569	589	617	670	697	718	779	799	826	846
		0,6	364	385	407	428	458	480	543	565	595	616	646	701	731	753	816	838	867	889
		0,8	372	394	417	440	472	495	559	581	614	637	668	723	755	779	843	866	898	920
		1	382	407	431	455	490	515	581	605	640	664	697	754	789	815	880	905	939	963
	255x245	1,2	390	415	441	467	504	530	596	622	659	685	718	777	814	840	906	933	969	995
		1,4	400	427	454	482	521	549	618	645	685	711	747	808	847	875	944	972	1011	1038
		1,6	408	437	465	494	535	564	634	662	704	732	769	831	872	901	971	1000	1040	1069
		1,8	427	457	487	518	561	592	664	694	737	768	806	870	914	944	1016	1046	1090	1120
	255x245	2	435	466	497	530	575	607	679	710	757	788	828	892	938	970	1043	1074	1120	1152
		2,2	445	478	511	545	592	626	701	734	782	815	857	924	972	1005	1080	1113		
		2,4	453	487	521	556	606	641	717	751	802	835	878	946	996	1031				
		2,6	463	499	535	572	624	660	738	774	827	864	907	977	1030					
The slats stick out of the box	2,8	471	508	546	583	638	676	754	791	846	884	929	1000							
	3	482	520	559	598	656	695	776	815	872	911	958								
	3,2	490	530	570	610	669	710	791	832	891	931									
	3,4	500	541	583	626	688	730	813	855	917										
	3,6	508	550	594	637	701	745	829	872	936										
	3,8	518	563	607	652	719	764	850	895											
	4	526	572	618	664	733	779	866	913											

Price included:

- Blind package with Z-90 slats in standard colour.
- Quantity of top rail hangers are depending on width
- Guiding rails type 2 in the standard colour.
- Box of CleverBox in white colour.
- Manual drive with a crank
- Static consoles for hangers

Price not included:

- Additional fixing of the CleverBox to the Intel

4.4 CleverBox facade blind with guiding rails type 2 electrically operated with Z-90 slats

Box	Width																		
	2 hangers				3 hangers				4 hangers				5 hangers						
	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4	
The slats stick out of the box	0,4	430	450	469	490	517	536	598	618	645	665	693	746	774	794	855	875	902	922
	0,6	440	461	482	505	535	556	619	640	671	692	722	777	807	829	892	914	944	965
	0,8	448	470	493	516	548	572	635	658	690	713	744	800	832	855	918	942	974	996
	1	458	482	506	532	566	591	657	680	716	740	773	831	865	890	956	980	1 015	1 040
	1,2	466	492	517	544	580	606	672	697	735	761	794	854	890	916	983	1 009	1 045	1 071
	1,4	477	504	531	559	597	625	694	721	761	788	824	885	923	951	1 020	1 048	1 086	1 114
	1,6	484	513	541	570	611	640	710	738	780	808	845	907	948	977	1 046	1 076	1 117	1 145
	1,8	503	533	563	594	637	668	739	770	814	844	883	946	989	1 020	1 092	1 123	1 166	1 196
	2	510	542	574	606	651	682	755	787	833	864	904	969	1 014	1 046	1 119	1 151	1 196	1 227
	2,2	521	554	587	621	669	702	777	810	859	892	933	1 000	1 048	1 081	1 155	1 190	1 237	1 270
255x245	2,4	529	563	597	632	682	717	793	827	877	912	955	1 022	1 072	1 107	1 183	1 217	1 268	1 354
	2,6	539	575	611	648	700	737	815	850	904	940	984	1 054	1 105	1 143	1 220	1 309	1 362	1 397
	2,8	547	584	622	660	714	751	830	867	922	960	1 005	1 076	1 130	1 168	1 299	1 337	1 391	1 428
	3	557	596	635	675	731	771	852	890	948	988	1 035	1 107	1 164	1 256	1 336	1 376	1 433	1 471
	3,2	566	606	646	686	745	786	867	907	968	1 007	1 056	1 129	1 241	1 281	1 363	1 404	1 463	1 503
	3,4	575	618	660	702	763	805	889	931	993	1 035	1 085	1 213	1 274	1 317	1 400	1 442	1 504	1 546
	3,6	584	627	670	714	777	820	905	948	1 012	1 055	1 159	1 235	1 299	1 342	1 427	1 470	1 534	1 577
	3,8	594	638	683	729	795	841	926	971	1 038	1 135	1 188	1 267	1 332	1 378	1 464	1 510	1 576	1 620
	4	602	648	694	741	809	855	942	988	1 057	1 155	1 210	1 289	1 357	1 404	1 491	1 538	1 606	1 651

Price included:

- Blind package with z-90 slats in standard colour.
- Quantity of top rail hangers are depending on width
- Guiding rails type 2 in the standard colour.
- Box of CleverBox in white colour.
- Motor ELERO JA Soft.

Price not included:

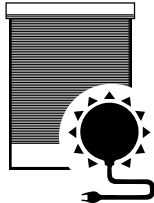
- Additional fixing of the CleverBox to the lintel



Please note: the price of the blinds does not include the control system (remote controls, switches).

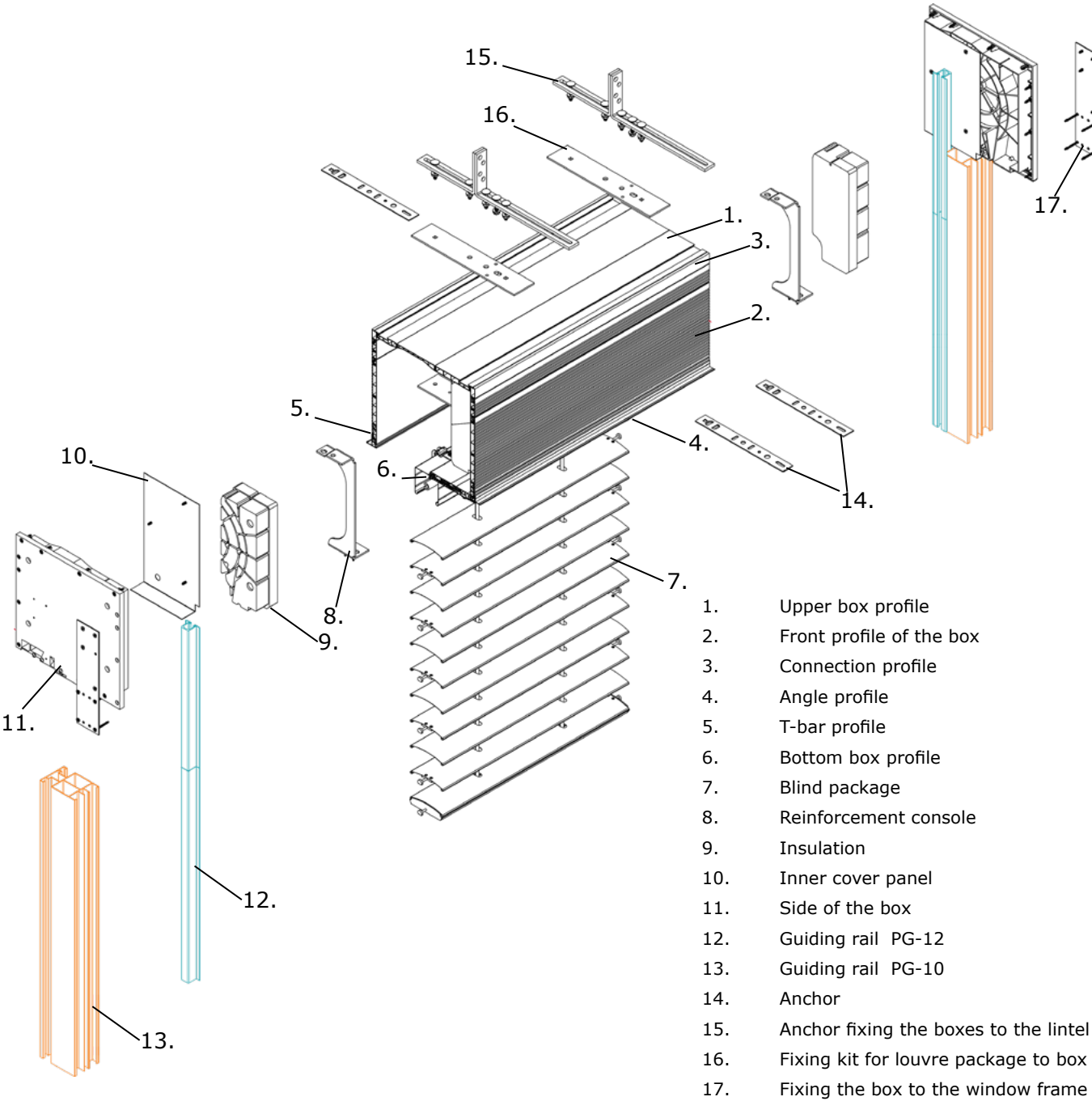
Solar set ELERO (JA 04 / JA 10 Soft DC motor, solar panel with battery, Combio-868 JA DC) supplied with a facade blind	903.00 Eur
VarioSon-868 Slide white	85.00 Eur
LumeroSon-868 Slide white	58.00 Eur
VarioSon W-868 white	58.00 Eur
LumeroSon W-868 white	35.00 Eur
MonoSon W-868 white	35.00 Eur
LumeroSon-868 Mini white	48.00 Eur
MonoSon-868 Mini white	48.00 Eur
Aero-868 Plus wind and sun sensor, radio-controlled, (dual-cell)	326.00 Eur

Solar set OZRoll (Q6 motor, solar panel with battery, mounting clips) included with blind	551.00 Eur
Remote control OZRoll E-Trans 1-channel	58.00 Eur
Remote control OZRoll E-Trans 9 -channels	68,80 Eur
OZRoll charger with adapter	61.00 Eur
OZRoll ARIA wind and solar auto-mation system (230V power supply)	817.00 Eur

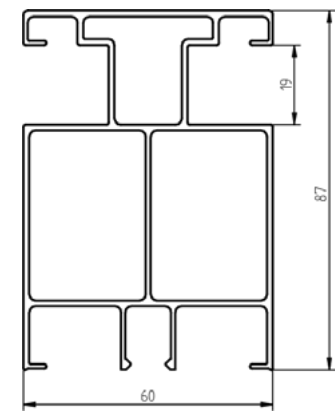


Name of brand	Model Of Motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9 /10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74	67
	JA COMFORT 868		x	x	x	x	x		117	110
	JA 10 NHK	x						x	667	
GEIGER	GJ56	x							4	23
SOMFY	J4 WT		x						32	50
	J4 WT PROTECT		x		x				45	66
	J4S IO PROTECT		x		x	x			208	205

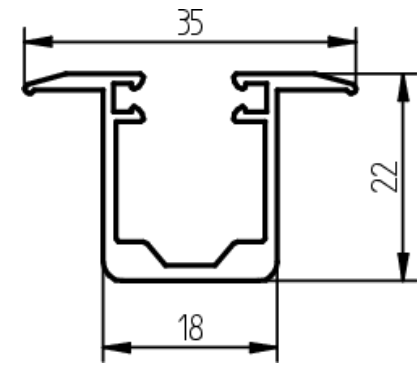
CleverBox facade blind with guiding rails Guide mi PG 10 and PG12



Guiding rail type PG-10



Guiding rail type PG-12



PG-10 and PG-12 guiding rail come as a set.

4.5 CleverBox facade blind with PG-10 and PG-12 guiding rail, manually operated with C-80 slats.



Box	Width																		
	2 hangers				3 hangers				4 hangers				5 hangers						
	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4	
The slats stick out of the box	0,4	360	377	394	412	436	454	510	527	545	569	625	643	660	685	740	758	775	793
	0,6	382	401	420	439	465	484	541	560	579	605	662	681	700	726	784	802	821	840
	0,8	405	425	445	465	494	514	572	592	613	641	700	720	740	768	827	847	867	887
	1	428	450	471	492	523	544	604	625	647	677	737	758	779	810	870	891	912	934
	1,2	451	474	496	519	551	574	635	658	680	713	774	796	819	851	913	935	958	981
	1,4	474	498	522	546	580	604	666	691	715	749	811	835	859	893	956	980	1004	1028
	1,6	497	522	547	573	609	634	698	723	749	785	849	874	899	935	999	1024	1050	1075
	1,8	520	546	573	600	638	664	730	756	783	820	886	912	939	977	1042	1068	1095	1122
	2	543	571	598	627	666	695	761	789	817	856	923	951	979	1019	1085	1113	1141	1169
	2,2	566	595	624	654	695	725	792	822	850	892	960	989	1019	1060	1128	1157		
The slats stick out of the box	2,4	587	618	648	678	721	751	819	850	880	923	991	1022	1052	1095				
	2,6	610	642	673	705	750	781	851	882	914	959	1029	1060	1092					
	2,8	633	666	699	731	778	811	882	915	948	995	1066	1099						
	3	656	690	724	758	807	841	914	948	982	1030	1103							
	3,2	679	714	750	785	836	871	945	980	1016	1066								
	3,4	702	739	775	812	865	901	976	1013	1050									
	3,6	725	763	801	839	893	931	1008	1046	1084									
	3,8	748	787	826	866	922	962	1039	1079										
	4	771	811	852	892	951	992	1070	1111										

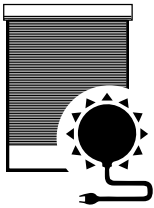
Price included:

- Blind package with C-80 slats in standard colour.
- Quantity of top rail hangers are depending on width
- Guiding rail PG-10 + PG-12 in standard colour.
- Box of CleverBox in white colour.
- Manual drive with a crank
- Static consoles for hangers

Price not included:

- Additional fixing of the CleverBox to the lintel

Solar set ELERO (JA 04 / JA 10 Soft DC motor, solar panel with battery, Combo-868 JA DC) supplied with a facade blind	903.00 Eur
VarioSon-868 Slide white	85.00 Eur
LumeroSon-868 Slide white	58.00 Eur
VarioSon W-868 white	58.00 Eur
LumeroSon W-868 white	35.00 Eur
MonoSon W-868 white	35.00 Eur
LumeroSon-868 Mini white	48.00 Eur
MonoSon-868 Mini white	48.00 Eur
Aero-868 Plus wind and sun sensor, radio-controlled, (dual-cell)	326.00 Eur



Solar set OZRoll (Q6 motor, solar panel with battery, mounting clips) included with blind	551.00 Eur
Remote control OZRoll E-Trans 1-channel	58.00 Eur
Remote control OZRoll E-Trans 9-channels	68,80 Eur
OZRoll charger with adapter	61.00 Eur
OZRoll ARIA wind and solar automation system (230V power supply)	817.00 Eur

Name of brand	Model Of Motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9 /10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74	67
	JA COMFORT 868		x	x	x	x	x		117	110
	JA 10 NHK	x						x	667	
GEIGER	GJ56	x							4	23
SOMFY	J4 WT		x						32	50
	J4 WT PROTECT		x		x				45	66
	J4S IO PROTECT		x		x	x			208	205

4.8 CleverBox facade blind with PG-10 and PG-12 guiding rails, manually operated with Z-90 slats.



Box		2 Halterungen																3 Halterungen				4 Halterungen				5 Halterungen			
		0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4										
	0,4	362	379	396	412	438	454	513	530	546	572	630	647	664	689	748	765	781	798										
	0,6	388	406	424	442	470	489	549	567	586	614	674	692	711	738	799	817	835	854										
	0,8	411	430	449	468	499	518	580	599	618	648	710	729	749	779	840	859	879	898										
	1	436	457	477	498	531	552	615	637	657	690	753	774	795	828	891	912	933	954										
	1,2	459	481	502	525	560	581	646	668	690	725	789	811	833	868	932	954	976	999										
	1,4	484	507	531	555	592	616	682	705	729	767	833	856	880	917	983	1007	1030	1054										
	1,6	507	531	556	581	621	645	712	737	761	801	869	893	918	958	1025	1049	1074	1098										
	1,8	532	558	584	611	653	680	748	774	800	843	912	938	965	1007	1076	1102	1128	1155										
	2	555	582	609	637	681	709	778	806	833	878	948	975	1003	1047	1117	1144	1171	1199										
	2,2	580	609	638	666	714	743	815	843	872	920	991	1020	1049	1096	1168	1197												
	2,4	603	633	663	693	742	773	845	875	905	955	1027	1057	1087	1137														
	2,6	628	660	691	722	775	807	881	912	944	997	1070	1102	1134															
	2,8	651	684	716	749	804	836	911	944	976	1031	1106	1139																
	3	676	710	745	779	836	870	947	981	1015	1073	1150																	
	3,2	699	734	769	805	865	900	978	1013	1048	1108																		
	3,4	724	761	798	835	897	934	1013	1050	1087																			
	3,6	747	785	823	861	925	964	1044	1082	1120																			
	3,8	772	812	851	891	958	998	1080	1119																				
	4	795	835	876	917	986	1027	1110	1151																				

Price included:

- Blind package with Z-90 slats in standard colour.
- Quantity of top rail hangers are depending on width
- Guiding rail PG-10 + PG-12 in standard colour.
- Box of CleverBox in white colour.
- Manual drive with a crank
- Static consoles for hangers

Price not included:

- Additional fixing of the CleverBox to the lintel

4.9 CleverBox facade blind with PG-I0 and PG-I2 guiding rails, electrically operated with Z-90 slats.

Box	2 hangers																				3 hangers				4 hangers				5 hangers																																																																	
	0,6					0,8					1					1,2					1,4					1,6					1,8					2					2,2					2,4					2,6					2,8					3					3,2					3,4					3,6					3,8					4								
	0,4					0,6					0,8					1					1,2					1,4					1,6					1,8					2					2,2					2,4					2,6					2,8					3					3,2					3,4					3,6					3,8					4			
Height																																																																																														
The slats stick out of the box		255x245		418	480	503	527	550	574	597	621	645	670	697	725	754	780	809	835	864	890	919	944	974	999	1 069	1 110	1 193	1 233	1 274	1 376	1 460	1 500	1 541	1 611	1 693	1 734	1 775	1 816																																																							
				418	480	503	527	550	574	597	621	645	670	697	725	754	780	809	835	864	890	919	944	974	999	1 069	1 110	1 193	1 233	1 274	1 376	1 460	1 500	1 541	1 611	1 693	1 734	1 775	1 816																																																							
				418	480	503	527	550	574	597	621	645	670	697	725	754	780	809	835	864	890	919	944	974	999	1 069	1 110	1 193	1 233	1 274	1 376	1 460	1 500	1 541	1 611	1 693	1 734	1 775	1 816																																																							
				418	480	503	527	550	574	597	621	645	670	697	725	754	780	809	835	864	890	919	944	974	999	1 069	1 110	1 193	1 233	1 274	1 376	1 460	1 500	1 541	1 611	1 693	1 734	1 775	1 816																																																							

Price included:

- Blind package with Z-90 slats in standard colour.
- Quantity of top rail hangers are depending on width
- Guiding rail Typ 2 in standard colour.
- Box of CleverBox in white colour.
- Motor ELERO JA Soft.

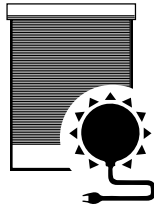
Price not included:

- Additional fixing of the CleverBox to the lintel



Solar set ELERO (JA 04 / JA 10 Soft DC motor, solar panel with battery, Combio-868 JA DC) supplied with a facade blind	903.00 Eur
VarioSon-868 Slide white	85.00 Eur
LumeroSon-868 Slide white	58.00 Eur
VarioSon W-868 white	58.00 Eur
LumeroSon W-868 white	35.00 Eur
MonoSon W-868 white	35.00 Eur
LumeroSon-868 Mini white	48.00 Eur
MonoSon-868 Mini white	48.00 Eur
Aero-868 Plus wind and sun sensor, radio-controlled, (dual-cell)	326.00 Eur

Solar set OZRoll (Q6 motor, solar panel with battery, mounting clips) included with blind	551.00 Eur
Remote control OZRoll E-Trans 1-channel	58.00 Eur
Remote control OZRoll E-Trans 9 -channels	68,80 Eur
OZRoll charger with adapter	61.00 Eur
OZRoll ARIA wind and solar auto-mation system (230V power supply)	817.00 Eur

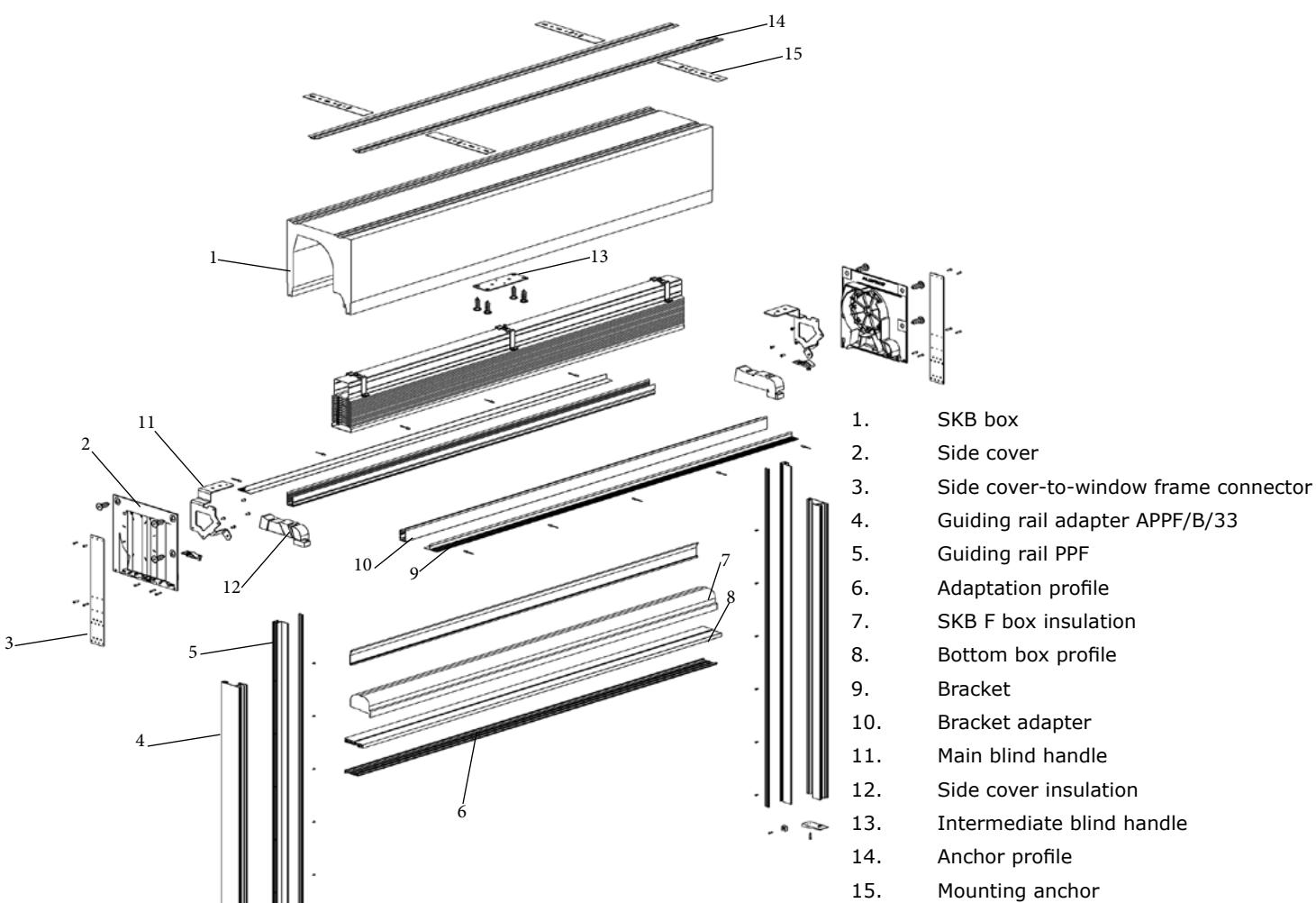


Name of brand	Model Of Motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9 /10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74	67
	JA COMFORT 868		x	x	x	x	x		117	110
	JA 10 NHK	x						x	667	
GEIGER	GJ56	x							4	23
SOMFY	J4 WT		x						32	50
	J4 WT PROTECT		x		x				45	66
	J4S IO PROTECT		x		x	x			208	205

Surcharges facade blinds for CleverBox

Surcharges for CleverBox blinds	
CleverBox blind in colour DB703 plus 5% to the price list	
Ladder and tape	Preis
Grey	Included in the price
Black	8,30 Eur/lm
Pins	Price
PVC	Included in the price
Steel	6,00 Eur/lm to high of blind.
Guiding rails bottom slat	Price
Typ 2 in standard colour	incl. in price-table 4.1- 4.4
PG-10 + PG-12 in standard colour	Incl. In price table 4.5-4.8
Guiding rails - Renolit structural veneer (anthracite 701605, brown 887505, walnut 2178007, mahogany 2065021, golden oak 2178001, Winchester 49240) smooth veneer anthracite	+ 5%
Bottom slat in standard colour	Incl. in price
Bottom slat in extra colour	Individual pricing
Colours of the boxes	Price
White box	Incl. price
Box - single-sided veneer Renolit structural (anthracite 701605, brown 887505, walnut 2178007, mahogany 2065021, golden oak 2178001, Winchester 49240) smooth veneer anthracite	+ 10%
Box - two-sided veneer Renolit structural (anthracite 701605, brown 887505, walnut 2178007, mahogany 2065021, golden oak 2178001, Winchester 49240) smooth veneer anthracite	+ 20%
Other veneers	Individual pricing
Additional elements	Price
Additional fixings for the box to the lintel	41,70 Eur/pc

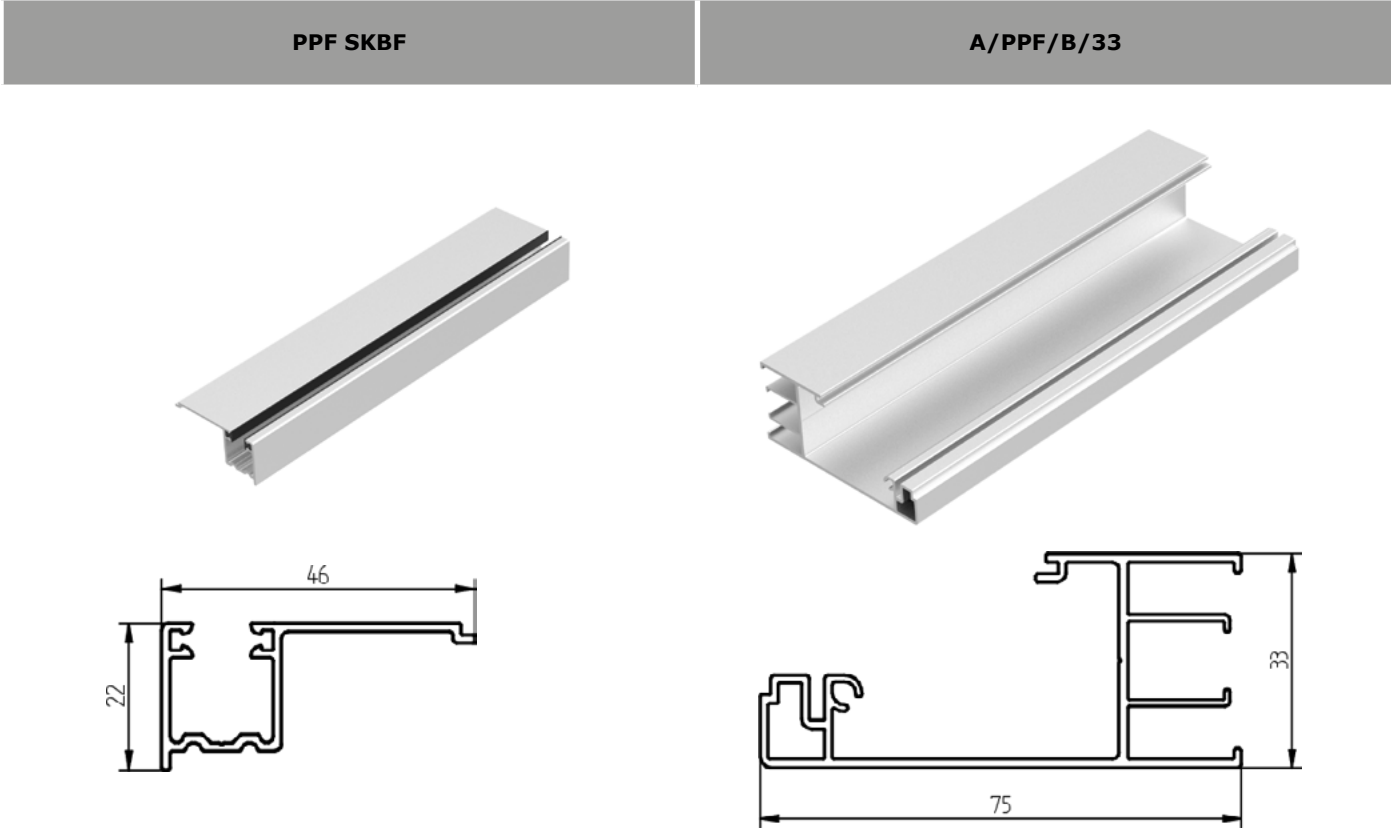
5. STYROTERM facade blind



- The STYROTERM box is characterised by high rigidity and stability.
- High thermal and acoustic performance.
- Used in passive house construction.



Guiding rails for STYROTERM



The PPF SKBF and APPF/B/33 guiding rails are a set.

Technical information

Minimum width (mm)	Maximum width (mm)	Maximum height (mm)
600	4000	4000

The maximum width of the blind with mosquito net is 1600 mm. The maximum height of blinds with mosquito net is 2500 mm.

The maximum surface is 3 m2 . The maximum width of the window frame is 155 mm.

Maximum height for STYROTERM 264x260; 311x305

Box dimension (height mm x depth mm)	C-80		Z-90	
	Manual control (mm)	Electric control (mm)	Manual control (mm)	Eectric control (mm)
260x264	1500	1200	1700	1400
305x311	2200	1800	2500	2100

It is possible to make blinds taller than this, but when rolled up, the entire package will not fit inside the box.

5.1 Net price list for STYROTERM manually operated blinds with C-80 lamellas

Box	Width																		
	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4	
	0,4	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4
	Height																		
264x260		290	311	331	352	379	399	426	447	473	494	521	541	568	589	615	636	662	683
311x305		307	329	350	372	400	422	450	471	500	521	549	571	600	620	649	671	699	721
The slats stick out of the box		323	346	369	392	421	445	474	496	526	549	578	600	630	653	682	705	735	758
		340	364	388	411	443	467	497	521	552	576	606	630	662	686	716	740	771	795
		356	381	406	431	465	490	521	546	579	604	635	660	693	718	750	775	808	833
		373	399	425	451	486	512	545	571	605	631	664	690	725	751	783	809	844	870
		389	416	444	471	507	535	568	595	631	659	693	720	756	783	817	844	880	908
		406	434	463	491	529	557	592	620	658	686	721	750	787	815	850	878	916	945
		422	452	481	511	550	580	615	645	684	714	750	779	819	848	884	913	953	982
		439	470	500	531	571	603	639	670	710	741	778	809	850	880	917	948		
		454	485	516	548	591	622	660	691	733	764	802	833	875	907				
		471	503	536	568	612	645	683	715	760	792	830	863	907					
		488	521	555	588	634	667	707	740	786	819	859	892						
		504	538	573	607	655	689	730	765	812	846	888							
		520	556	592	628	676	712	754	790	839	875								
		537	574	611	648	698	734	778	814	865									
		554	591	629	668	719	757	801	840	891									
		570	609	649	687	741	779	825	864										
		586	626	666	707	762	802	849	889										

Price included:

- Blind package with C-80 slats in standard colour
- Quantity of top brackets are depending on the width.
- Guiding rail PPF SKBF.
- STYROTERM box.
- Hand crank drive



5.2 Net price list for STYROTERM electrically operated blinds with C-80 lamellas

Box	Width																		
	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4	
264x260	0,4	352	372	393	414	440	461	488	509	535	555	582	603	629	650	677	698	724	745
	0,6	368	390	411	434	461	483	511	533	561	583	611	632	661	682	710	733	760	782
	0,8	385	408	430	453	483	505	535	558	588	610	640	662	692	715	744	767	797	820
	1	401	425	449	473	505	529	558	583	614	638	668	692	724	748	777	801	833	857
	1,2	418	443	468	493	525	551	582	607	640	665	697	721	755	780	811	836	869	894
	1,4	434	460	487	513	547	574	606	632	666	693	725	751	786	812	844	871	905	931
	1,6	451	478	505	533	569	596	630	657	693	720	754	781	818	844	878	905	941	969
	1,8	468	495	524	552	591	619	653	682	719	748	783	811	849	877	912	940	978	1 006
311x305	2	484	514	543	572	612	641	677	706	746	775	811	840	880	910	945	975	1 014	1 044
	2,2	500	531	562	592	633	664	700	731	773	803	840	870	911	942	979	1 010	1 050	1 081
	2,4	516	547	578	609	652	683	721	752	795	825	863	894	936	968	1 006	1 037	1 080	1 153
	2,6	532	565	597	629	673	705	745	777	821	853	892	924	968	1 001	1 039	1 114	1 158	1 190
The slats stick out of the box	2,8	549	582	615	649	695	728	768	802	847	881	920	954	999	1 033	1 115	1 149	1 194	1 228
	3	565	600	635	669	716	751	792	826	874	908	949	984	1 031	1 108	1 149	1 183	1 230	1 265
	3,2	582	618	653	689	738	773	815	851	900	936	978	1 014	1 105	1 140	1 182	1 218	1 266	1 302
	3,4	599	635	672	709	760	796	839	876	926	963	1 006	1 085	1 136	1 173	1 216	1 253	1 303	1 340
	3,6	615	653	691	729	780	819	863	901	953	990	1 077	1 115	1 167	1 205	1 249	1 287	1 339	1 377
	3,8	631	670	709	749	802	841	886	925	979	1 060	1 106	1 145	1 198	1 238	1 283	1 322	1 375	1 414
	4	649	688	728	768	824	864	910	950	1 005	1 088	1 134	1 175	1 230	1 270	1 316	1 356	1 412	1 452

Price included:

- Blind package with C-80 slats in standard colour
- Quantity of top brackets are depending on the width.
- Guiding rail PPF SKBF.
- STYROTERM box.
- Motor ELERO JA Soft.

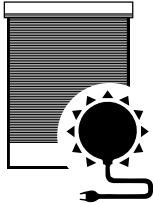
Please note: the price of the blinds does not include the control system (remote controls, switches).



Name of brand	Model Of Motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9 /10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74	67
	JA COMFORT 868		x	x	x	x	x		117	110
	JA 10 NHK	x						x	667	
GEIGER	GJ56	x							4	23
SOMFY	J4 WT		x						32	50
	J4 WT PROTECT		x		x				45	66
	J4S IO PROTECT		x		x	x			208	205

Solar set ELERO (JA 04 / JA 10 Soft DC motor, solar panel with battery, Combio-868 JA DC) supplied with a facade blind	903.00 Eur
VarioSon-868 Slide white	85.00 Eur
LumeroSon-868 Slide white	58.00 Eur
VarioSon W-868 white	58.00 Eur
LumeroSon W-868 white	35.00 Eur
MonoSon W-868 white	35.00 Eur
LumeroSon-868 Mini white	48.00 Eur
MonoSon-868 Mini white	48.00 Eur
Aero-868 Plus wind and sun sensor, radio-controlled, (dual-cell)	326.00 Eur

Solar set OZRoll (Q6 motor, solar panel with battery, mounting clips) included with blind	551.00 Eur
Remote control OZRoll E-Trans 1-channel	58.00 Eur
Remote control OZRoll E-Trans 9 -channels	68,80 Eur
OZRoll charger with adapter	61.00 Eur
OZRoll ARIA wind and solar auto-mation system (230V power supply)	817.00 Eur



Name of brand	Model Of Motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward)	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9 / 10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74	67
	JA COMFORT 868		x	x	x	x	x		117	110
	JA 10 NHK	x						x	667	
GEIGER	GJ56	x							4	23
SOMFY	J4 WT		x						32	50
	J4 WT PROTECT		x		x				45	66
	J4S IO PROTECT		x		x	x			208	205

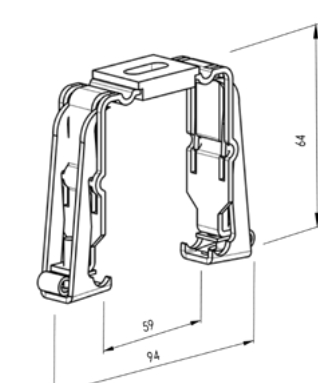
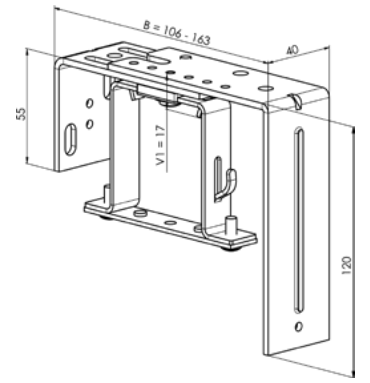
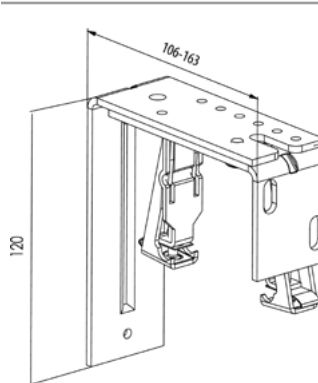
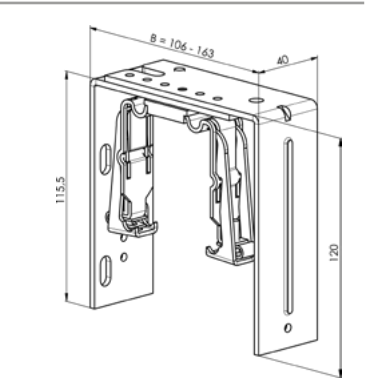
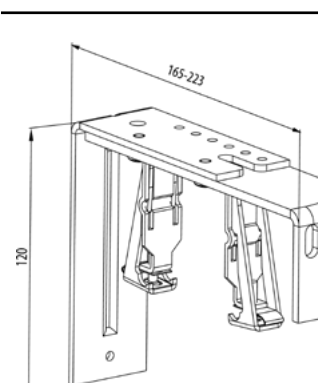
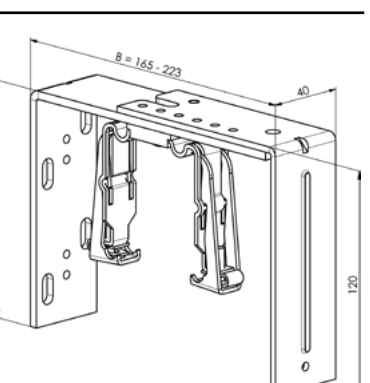
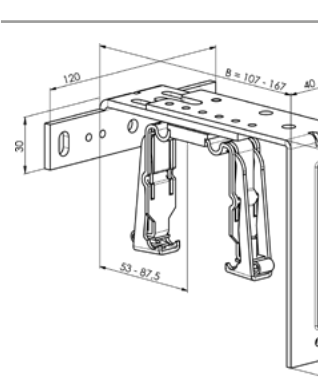
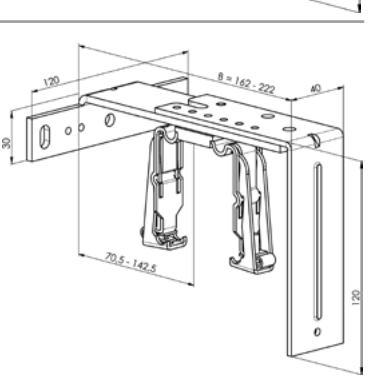
Solar set ELERO (JA 04 / JA 10 Soft DC motor, solar panel with battery, Combo-868 JA DC) supplied with a facade blind	903.00 Eur
VarioSon-868 Slide white	85.00 Eur
LumeroSon-868 Slide white	58.00 Eur
VarioSon W-868 white	58.00 Eur
LumeroSon W-868 white	35.00 Eur
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LumeroSon-868 Mini white	48.00 Eur
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Aero-868 Plus wind and sun sensor, radio-controlled, (dual-cell)	326.00 Eur

Solar set OZRoll (Q6 motor, solar panel with battery, mounting clips) included with blind	551.00 Eur
Remote control OZRoll E-Trans 1-channel	58.00 Eur
Remote control OZRoll E-Trans 9-channels	68,80 Eur
OZRoll charger with adapter	61.00 Eur
OZRoll ARIA wind and solar automation system (230V power supply)	817.00 Eur

Surcharges for blinds in Styroterm boxes

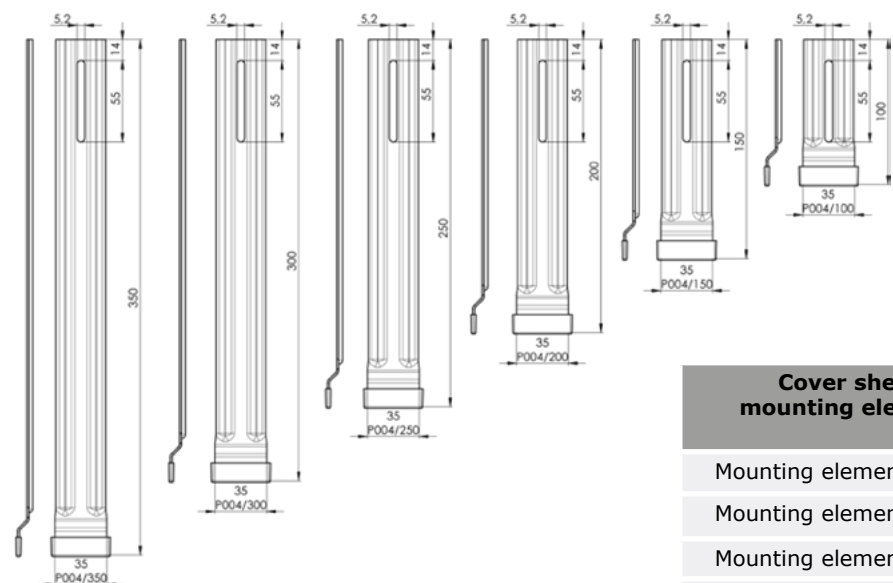
Surcharges for STYROTERM blinds	
Styroterm System blind in colour DB703 plus 5% to the price list	
Ladder and tape	Price
Grey	Included in the price
Black	8,30 Eur per blind
Pins	Price
PVC	Included in the price
Stahl	6,00 Eur/lm of the blinds
Guides, bottom slats	
PPF standard colour	In price table 5.1-5.4
PPF extra colour	individual pricing
Bottom slat standard colour	Included in the price
Bottom slat extra colour	individual pricing
Additional elements	Price
Insektenschutzgitter (Preis pro 1m2)	56,10 Eur/m²

6. Components for facade blinds

	Hanger „click“ Price 2,00 Eur/pc SBFURGTKZ00000001	Hanger with plate Price 9,10 Eur/pc SBFURGTBZ00000001 
	Adjustable handle with hanger click 106-163 Price 8,30 Eur/pc SBFURGTKZ00000001	Adjustable handle with hanger click 106-163 Price 8,90 Eur/pc SBFURGTKZOW016301 
	Adjustable handle with hanger click 165-223 Price 9,30 Eur/pc SBFURGTKZ00022501	Double handle adjustable with click 165-223 Price 10,60 Eur/pc SBFURGTKZOWP22301 
	Narrow, adjustable handle with click 107-167 Price 18,50 Eur/pc SBFUUWNZWK1030001	Narrow, adjustable handle with click 162-222 Price 21,00 Eur/pc SBFUUWNZWK1031001 

Quantity of top brackets are depending on the width.

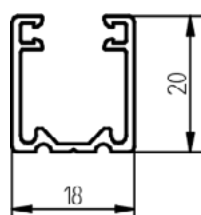
Width of the blinds	up to 1600 mm	1601-2400 mm	2401-3200 mm	3201-4000 mm
Quantity of hangers and cover mask mounting elements	2	3	4	5



Fastening element for covering sheets used with top rail hanger

Cover sheet mounting element	Applied at the height of the cover sheet	Price Eur/pc
Mounting element „100“	140-190 mm	1,00 Eur/pc
Mounting element „150“	191-240 mm	1,00 Eur/pc
Mounting element „200“	241-290 mm	1,30 Eur/pc
Mounting element „250“	291-340 mm	1,80 Eur/pc
Mounting element „300“	341-390 mm	1,80 Eur/pc
Mounting element „350“	391-440 mm	1,80 Eur/pc

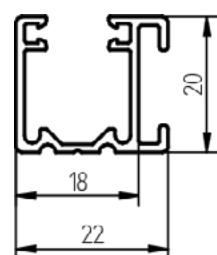
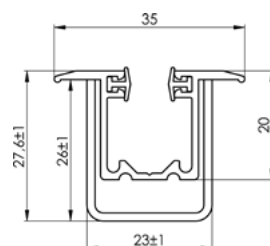
Guiding rails



Type 1
Price 9,10 Eur/Im
SDAEGFPT100000S01

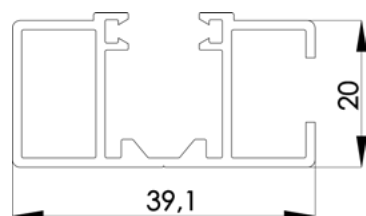
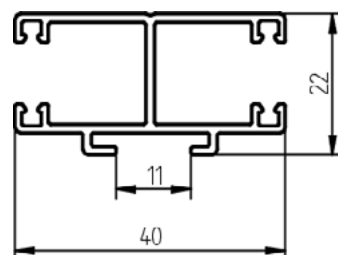
PT-type under-plaster mounted guiding rails (two-piece set)

Price 4,50 Eur/Im
SDAEGFPTPTCZPT001
Price 9,90 Eur/Im
SDAEGFPTPTCZW0001



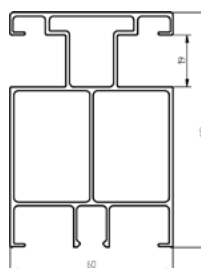
Type 2
Price 9,90 Eur/Im
SDAEGFPT200000S01

Type D2
Price 16,40 Eur/Im
SDAEGFPTD200000S01

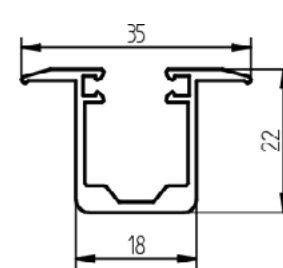


Self-supporting type
Price 13,30 Eur/Im
SDAEGFPTS000000001

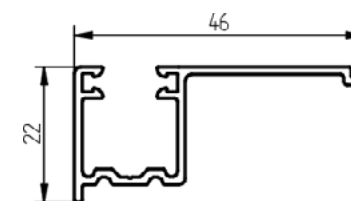
Type PG 10
Price 41,40 Eur/Im
SDAESP1000000001



Type PG 12
Price 9,90 Eur/Im
SDAEGFPTPTCZW0001

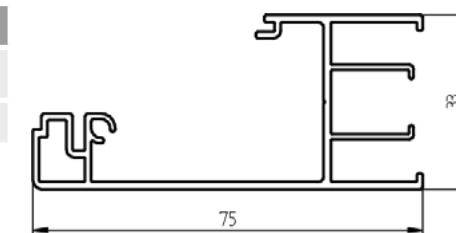


Guiding rails

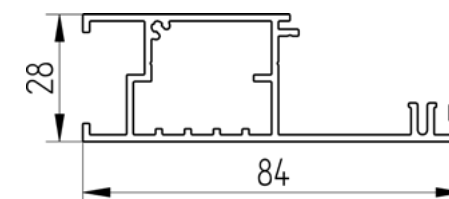


Typ PPF SKBF
Price 10,40 Eur/Im
SDAEGFPF000000001

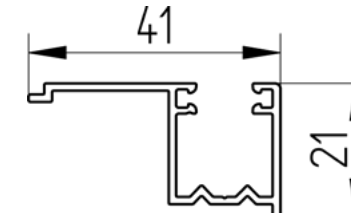
Typ APPFB33
Price 27,00 Eur/Im
SDAEGFAPPFB330001



Vbox basa of guiding rails
Price 20,00 Eur/Im
SDAEGFPVB000000001

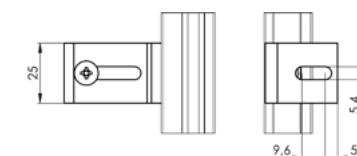


Vbox operating of guiding rail (slide)
Price 9,10 Eur/Im
SDAEGFPVS000000001

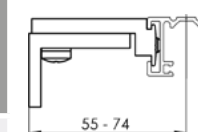


Guiding rails handles

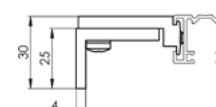
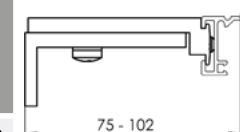
Type L



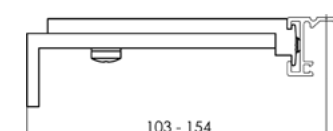
Type L1 (55-74mm) – for use with Type 2 and D2 of guiding rails
Price 4,50 Eur/pc
SBFUDPL1000701601



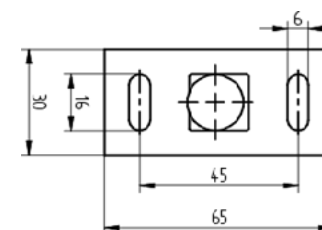
Type L2 (75-102mm) – for use with Type 2 and D2 of guiding rails
Price 4,50 Eur/pc
SBFUDPL2000000001



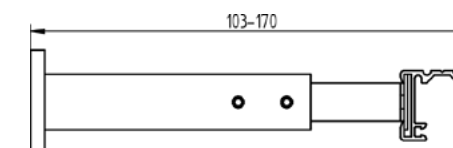
Type L3 (103-154mm) - for use with Type 2 and D2 of guiding rails
Price 4,50 Eur/pc
SBFUDPL3000000001



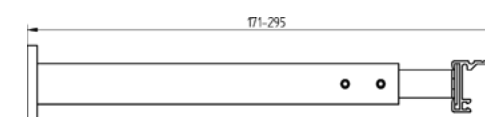
Type T



Type T1 (103-170mm) -for use with Type 2 and D2 and selfsupportting
Price 13,40 Eur/pc
SBFUDPT1000000001

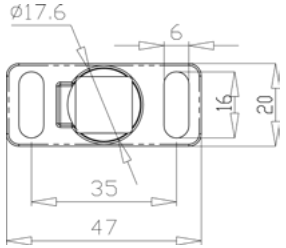


Type T2 (171-295mm)for use with guiding rails type Typ 2 and D2 and self-supporting type
Price 16,70 Eur/pc
SBFUDPT2000000001



Guiding rail handles

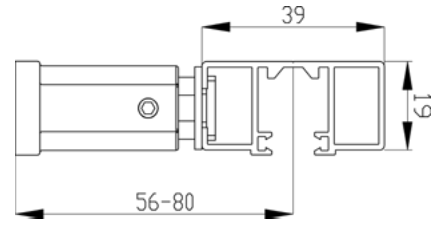
Type S



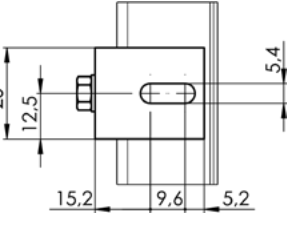
Type S1
(56-80 mm)

Price5,80 Eur/pc

SBFUDPS0000000001



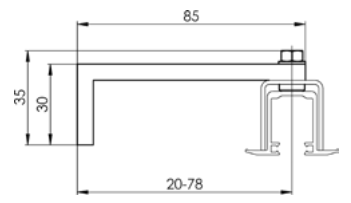
Type PT



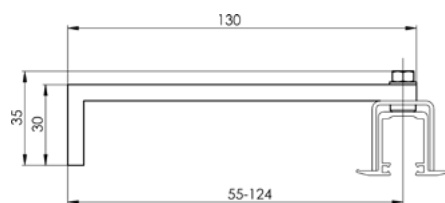
Type PT1
(20-78mm)

Price2,00 Eur/pc

SBFUDPPTLP1000001



Type PT2

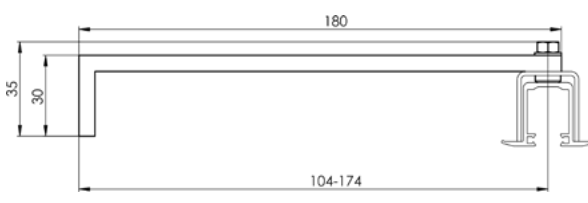


Type PT2
(55-124mm)

Price2,30 Eur/pc

SBFUDPPTLP2000001

Type PT3



Type PT3
(104-174mm)

Price2,80 Eur/pc

SBFUDPPTLP2100001

Quantity of handles on the guiding rail, depending on the height of the blinds (for a single guiding rail)

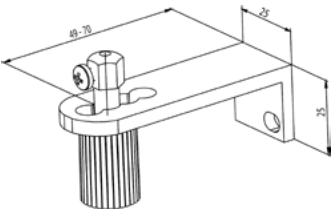
Hight of the blinds	up to 1799 mm	1800-2799 mm	2800-4000 mm
Quantity of handles	2	3	4

Wire fixes

U1

Price6,60 Eur/pc

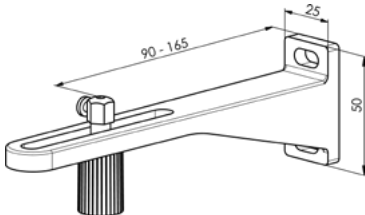
SBFULSU1000000001



U3

Price7,10 Eur/pc

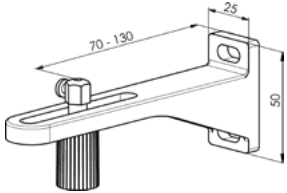
SBFULSU3009016501



U2

Price7,10 Eur/pc

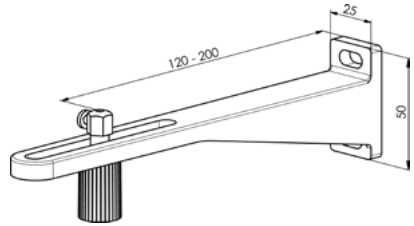
SBFULSU2007013001



U4

Price7,30 Eur/pc

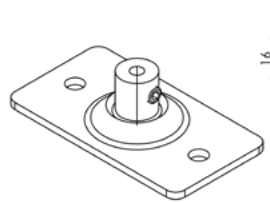
SBFUDPPTLP2100001



Tensioning handle for rope tensioner (floor)

Price6,30 Eur/pc

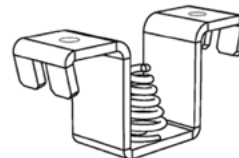
SBFULNPDA00000001



Tensioning rope anoda (set with tensioning angle)

Price3,00 Eur/pc

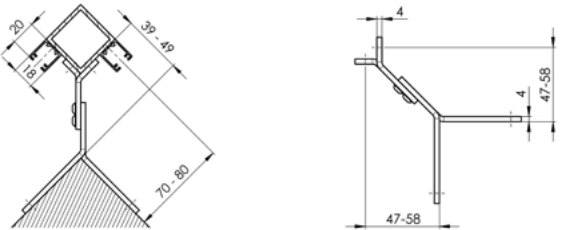
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Angle connectoors

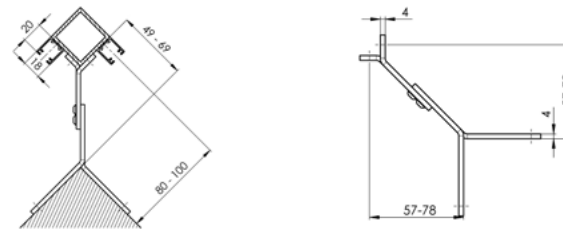
With an offset of 70 mm from the wall, the measured width of the façade blind is increased by 39 mm. With an offset of a further 1 mm, the width of the façade blind also increases by 1 mm.

External corner connector 70-80 mm	
Price	11,40 Eur/pc
SBFULKZ0070800001	



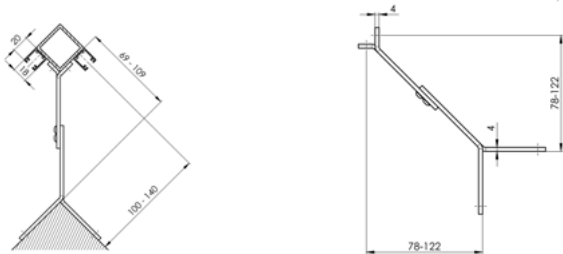
With an offset of 100mm from the wall, the measured width of the façade blind is increased by 69mm. With an offset of a further 1mm, the width of the façade blind also increases by 1mm.

External corner connector 80-100 mm	
Price	13,90 Eur/pc
SBFULKZ0801000001	



With an offset of 100mm from the wall, the measured width of the façade blind is increased by 69mm. With an offset of a further 1mm, the width of the façade blind also increases by 1mm.

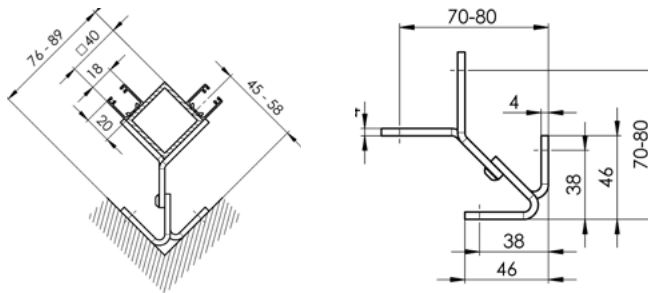
External corner connec 100-140 mm	
Price	32,10 Eur/pc
SBFULKZ1001400001	



Angle connectors

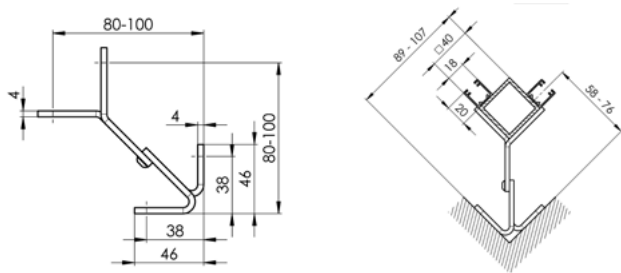
At an offset of 45 mm from the wall, the measured width of the façade blind is reduced by 39 mm. With an offset of a further 1 mm, the width of the façade blind also decreases by 1mm.

Inner angle connector 45-58 mm	
Price	26,30 Eur/pc
SBFULKW0045590001	



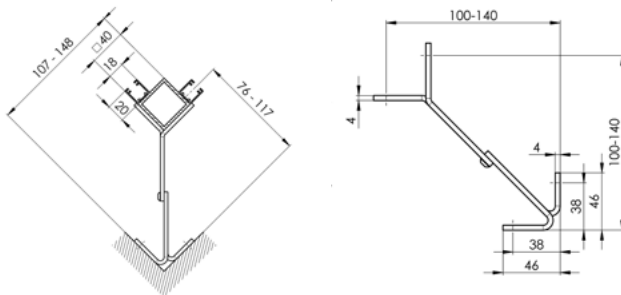
With an offset of 56 mm from the wall, the measured width of the façade blind is reduced by 87 mm. With an offset of a further 1mm, the width of the façade blind also decreases by 1 mm.

Inner angle connector 58-76 mm	
Price	26,80 Eur/pc
SBFULKW0058760001	



At an offset of 75 mm from the wall, the measured width of the louvre is reduced by 106 mm. With an offset of a further 1 mm, the width of the louvre also decreases by 1 mm.

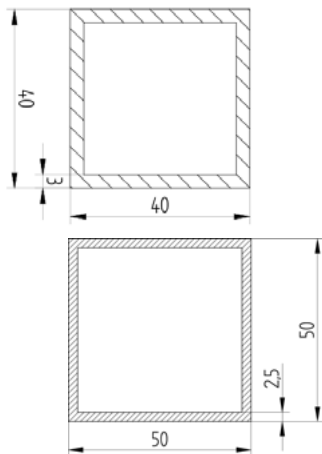
Inner angle connector 76-117 mm	
Price	30,10 Eur/pc
SBFULKW0761170001	



Connecting profile (40x40x3)
(compulsory when using connectors)

Connecting profile (40x40x3) (compulsory when using connectors for C-80 blinds)	
Price	19,50 Eur/lm
SDAECFPL000000001	

Connecting profile (50x50x2,5) (compulsory when using connectors for Z-90 blinds)	
Price	21,50 Eur/lm
SDAECFPL005050301	



7. Price list of facade blind packages

7.1 C-80 packages

The package includes a complete facade blind with a motor, excluding the box, guiding rails and mounting fittings.

Height	Width															
	0,4	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4
4	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336	336
3,8	329	329	329	329	329	329	329	329	329	329	329	329	329	329	329	329
3,6	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364	364
3,2	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392
3	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419	419
2,8	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447
2,6	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503
2,4	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531	531
2,2	558	558	558	558	558	558	558	558	558	558	558	558	558	558	558	558
2	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586
1,8	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606	606
1,6	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633
1,4	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661	661
1,2	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689
1	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741	741
0,8	769	769	769	769	769	769	769	769	769	769	769	769	769	769	769	769
0,6	796	796	796	796	796	796	796	796	796	796	796	796	796	796	796	796
0,4	824	824	824	824	824	824	824	824	824	824	824	824	824	824	824	824
0,2	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852
0,1	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059
0,05	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086	1086
0,02	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114
0,01	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
0,005	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170



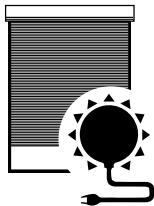
Price list of components - drives

Name of brand	Model Of Motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9/10 Nm
ELERO	JA SOFT	x		x					109	140
	JA COMFORT		x	x	x	x			183	207
	JA COMFORT 868		x	x	x	x	x		225	250
	JA 10 NHK	x						x	-	775
GEIGER	GJ56	x							113	163
SOMFY	J4 WT		x						141	190
	J4 WT PROTECT*		x		x				154	206
	J4S IO PROTECT*		x		x	x			317	345

* After installing the blinds, configure the drive and test the obstacle detection function for correct operation.

Solar set ELERO (Motor JA 04 / JA 10 Soft DC, solar panel with battery, Combo-868 JA DC)	1003.00 Eur
VarioSon-868 Slide white	85.00 Eur
LumeroSon-868 Slide white	58.00 Eur
VarioSon W-868 white	58.00 Eur
LumeroSon W-868 white	35.00 Eur
MonoSon W-868 white	35.00 Eur
LumeroSon-868 Mini white	48.00 Eur
MonoSon-868 Mini white	48.00 Eur
Aero-868 Plus wind and sun sensor, radio, (double cell)	326.00 Eur

OZRoll solar kit (Q6 drive, solar panel with battery, mounting clips) in a set with blind	646.00 Eur
Remote control OZRoll E-Trans 1-channel	58.00 Eur
Remote control OZRoll E-Trans 9 -channels	68,80 Eur
OZRoll charger with adapter	61.00 Eur
OZRoll ARIA wind and solar automation system (230V power supply)	817.00 Eur



8. Electronics

Name	Wired control	Price (Eur/pc
Smooove UNO WT 5P	5-position switch with hold-open function, for controlling one shutter, flush-mounted	20,90
Smooove DUO WT 5P	5-position switch with hold-open function, for controlling two blinds, flush-mounted	31,10
1-key switch	1gang 1-key switch p/t with holding function, white (without frame)	14,50
2-key switch	2gang 2-key switch p/t without holding, white (without frame)	14,50
Adapter	Surface-mounted adapter for switches (white)	3,80
Frame	Surface frame for switches white	1,70
Time control and automation for one roller shutter		
Soliris Smooove UNO Pure	Time controller cooperating with the solar-automation system -worldly, / without sensor, to be ordered separately	207,10
Eolis Sensor WT	Wired wind sensor in the form of a fan	77,10
Soliris Sensor WT	Wired solar-wind sensor in the form of a fan	84
Group control with time and daylight automation		
Soliris Smooove IB+ Pure	Time controller cooperating with the solar-automation system -wind. It allows the control of multiple blinds adapted to the wired to weather conditions.	360
Smooove UNO IB	Individual switch for one blind compatible with Soliris Smooove IB+ Pure controll	91,40
Smooove Origin IB no frame	Central switch for manual control	76
Frames for Smooove	Frame for wall-mounted remote controls in pure colour	3,80
Frames for Smooove	Frame for wall-mounted remote controls in silver, matt silver or black	8,30
Eolis Sensor WT	Wired wind sensor in the form of a fan	77,10
Soliris Sensor WT	Wired solar-wind sensor in the form of a fan	84
Somfy IO radio control - SMART HOME technology		
Amy 1 Modes io + frame	io wall transmitter with integrated temperature sensor, compatible with TaHoma	68,80
Amy 2 Modes io + frame	2-channel io wall transmitter with integrated temperature sensor, compatible with TaHoma	68,80
Amy 4 Modes io + frame	4-channel io wall transmitter with integrated temperature sensor	90
Amy 1 A/M Modes io + frame	Roller shutters with selector switch for automatic or manual control mode	68,80
Amy 1 Sun Protect Modes io + frame	io wall transmitter with integrated temperature sensor that operates independently	75,50
Situo 1 Var IO Pure II	1-channel remote control. Stepless adjustment of the slat angle.	108,80
Situo 5 Var A/M IO Pure II	5-channel remote control. Stepless adjustment of the louver angle. Works with solar-wind automation.	113,60
Pilot Ysia Patio io (Pure)	16-channel remote control. Individual and group control.	136,20
Nina IO	60-channel remote control with touchscreen display. Individual and group control. Works with solar-wind automation	265,20
Nina Timer IO	60-channel remote control with touchscreen display. Individual and group control. Time-based control. Works with solar/wind control. Touch screen display.	276,90

ELERO		
VarioSon-868 Slide white	6-channel radio remote control with slider and manual/automatic switching	84,80
LumeroSon-868 Slide white	1-channel radio remote control with slider and manual/automatic switching	58,30
VarioSon W-868 white	6-channel wireless wall transmitter with manual/automatic switching	58,30
LumeroSon W-868 white	1-channel wireless wall transmitter with manual/automatic switching	34,50
MonoSon W-868 white	1-channel wireless wall transmitter	34,50
LumeroSon-868 Mini white	1-channel radio remote control with manual/automatic switching in compact mini design	47,60
MonoSon-868 Mini white	1-channel radio remote control in compact mini design	47,60
Aero-868 AC	Weather sensor with light, twilight and wind function	297,10
Aero-868 Plus	Weather sensor with light, twilight and wind functions, and additional rain sensor	326,20
Yubii	Smart Home-System	201,20
Solar-wind automation for IO motors and controllers		
Soliris 230 V IO	Soliris IO 230V wind and brightness sensor including cable (230V power supply required)	261,20
Eolis WireFree IO	Battery-powered wind sensor in the form of a fan	142,10
Sunteis IO	Sun sensor	118,30
EOLIS IO	Windsensor, Kabel 5m	167,10
INEL radio controls		
ST-01RLZ	Controller for one blind with Hirschmann plugs (in a hermetic housing mounted to the side of the box)	39,80
ST-01RZ	Control unit for roller shutters (mounted under the plaster)	39,80
PIL-05DL	5-channel remote control (incl. magnetic pendant)	31,40
PIL-09DL	9-channel remote control (incl. magnetic pendant)	37,40
PIL-19DL	19-channel remote control (complete with magnetic pendant)	42,80
PIL-19MMT	19-channel graphic remote control with timer; colour display (pendant included)	83,00
PIL-99MMT	99-channel graphic remote control with timer; colour display (pendant included)	97,40
Radio receiver		
EVB IO Radio receiver	IO radio receiver for one blind - with Hirschmann plugs	205,50
Internet control		
TaHoma switch pro	Central control unit for internet connection	228,30
Accessories		
	Cable 5m with Hirschmann plug	25,20
SELVE		
Commeo WS Sensor	Wind and sun sensor	222,10
Commeo SEND 1	Handheld transmitter with 1 channel, white	69,50
Commeo SEND 10	10-channel handheld transmitter, white	100,70
Commeo MULTI SEND	Handheld transmitter with 32 channels, white. Portable remote control with backlit display.	174,30
Commeo WALL SEND 1	backlit display	60,20
Commeo WALL SEND 5	Wall transmitter with 5 channels, white. Portable remote control with LED display.	64,80
Commeo RECEIVE Up/Down	Radio receiver for roller shutters	88,60
Commeo RECEIVE Connect	with Hirschmann connector	128,80
Commeo Home Server 3	Smart home hub for control via the SELVE Home 3 app	378,30

Technological standards

Facade blinds are manufactured in accordance with the technological standards and the tolerances specified in the industry standards. Slight dimensional deviations of (-) are permissible according to EN13659:2015, see data in table:

In facade blinds, due to their nature, the following phenomena affecting only visual issues may occur, as below:

- Uneven lamellae stacking in small widths and large heights (approx. 800mm x 1500mm);
- Gaps or clearances in the last few lamellas caused by the flaccidity of the ladders;
- The phenomenon of ‚skewing’ of the bottom strip within a tolerance of 10-20mm;
- Tilting of the end list relative to its axis;

According to the technical requirements of the Qualicoat 2024 quality seal, the quality of powder-coated surfaces is assessed from a distance of 5 metres.

Width L (m)	Toleranz (mm)
L≤2	+0 -3
2<L≤4	+0 -4
L>4	+0 -5
Höhentoleranz: +0 / -10 mm, unabhängig von der Jalousienhöhe	

ELEKTRONIC



INEL remote controls



PIL-05DL



PIL-09DL



PIL-19DL



PIL-19MMT



PIL-99MMT

SOMFY



Amy 1



Amy 1 A M
Modes io



Amy 1 Sun Protect
Modes io

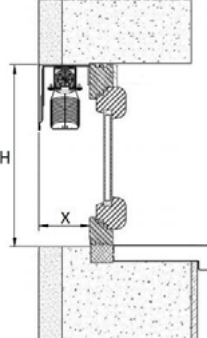


Amy 2 Modes io

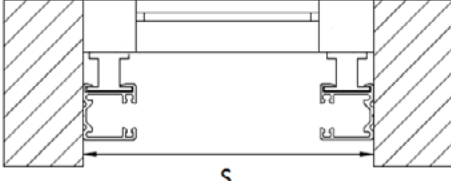


Amy 4 Modes io

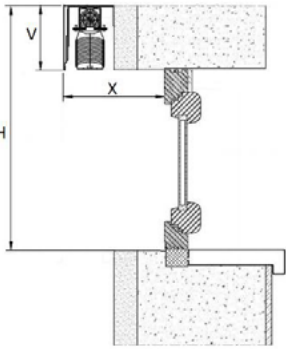
9.Assembly methods and dimensioning



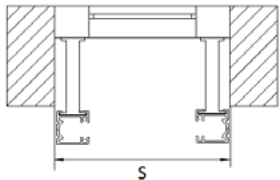
Recess mounting
Specify the H, X and S dimensions



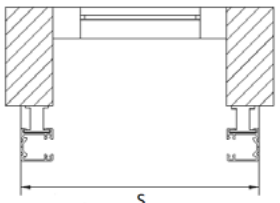
When installing cable façade blinds in the recess, allowance must be made for play.

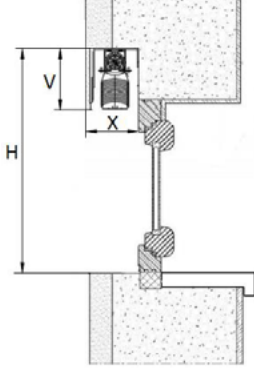


Façade mounting
Variant 1 - installation of guides to guidesto the window frame. Specify dimension:
➤ H ➤ X
 ➤ S

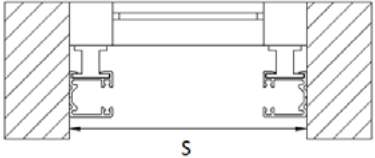


Variant 2 - installation of blinds and wall: dimension given:
➤ H ➤ X
 ➤ S
Recommended S: width of window recess + 10 cm

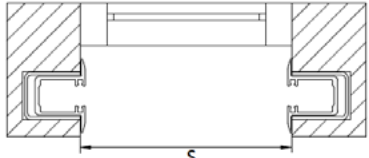


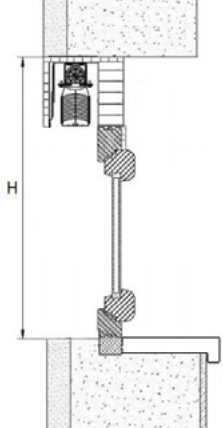


Flush mounting
Variant 1 - blinds with guides guides. Please specify dimensions:
➤ H ➤ X
 ➤ S



Variant 2 - blinds with standard flush-mounted. Please specify
➤ H ➤ X
 ➤ S
Width of the recess measured after set insulation

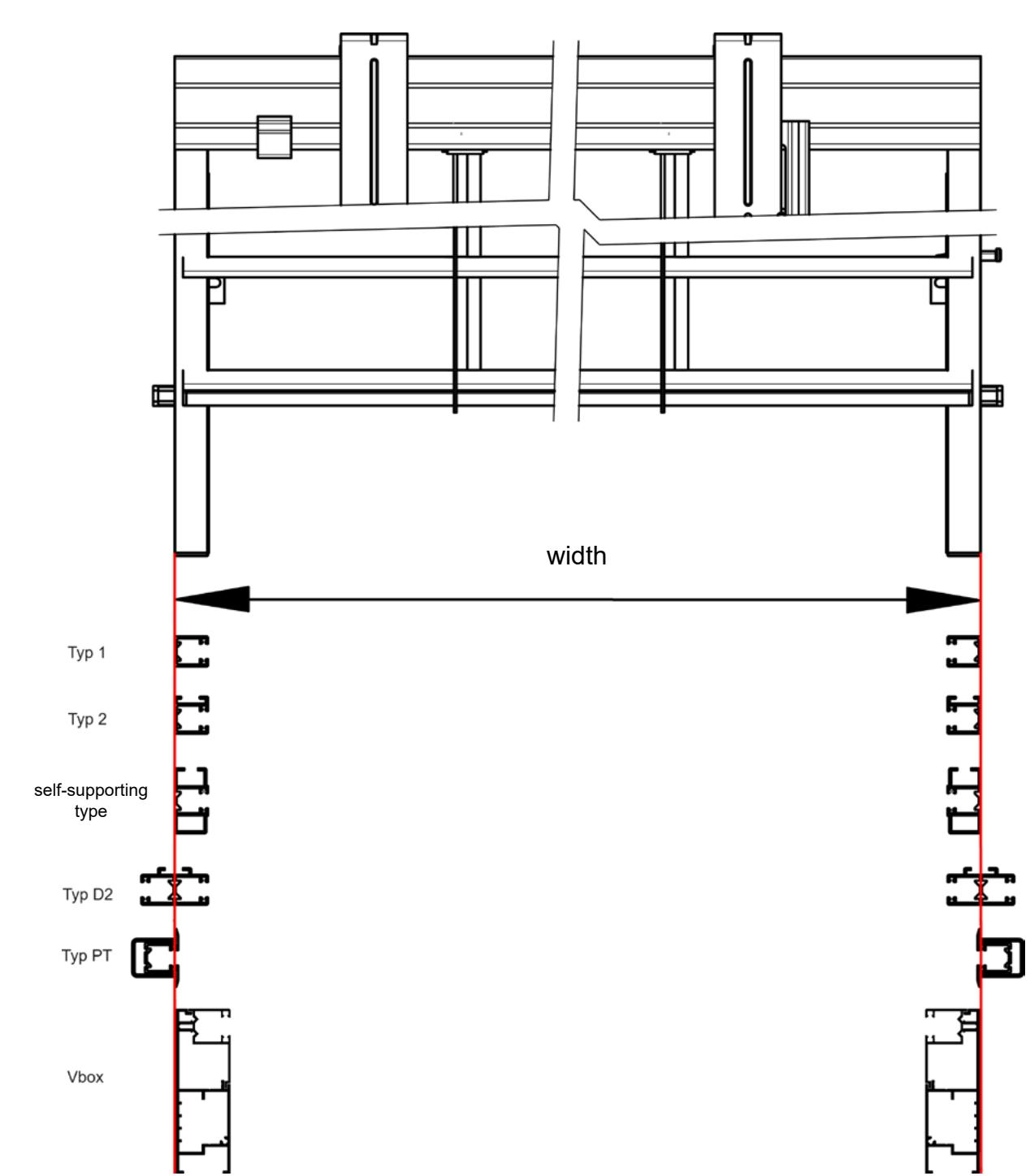




Installation in an extension box
The height and width of the window frames are specified.
The height will be increased by the height of the extension box (245 mm).

All possible installation conditions must be taken into account when dimensioning (e.g. window sill, flush window, built-in window frame and others). The dimensioning of a façade blind is a specific issue, therefore consultation with a technical advisor is recommended in case of doubt.

Measuring the width of blinds

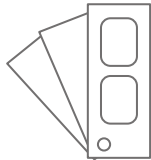


Installation of the pre-wall guide to the reveal

A blind with concealed guides allows them to be completely hidden in the insulation of the reveal. These guides consist of two parts - The louvre has to be glued to the thermal insulation and the actual guide bar, in which the louvre blade guides move. The installation of this type of louvre requires the insulation to be made with great precision (very small deviations in its thickness over the entire height of the window reveal).

10. A set of colours with a standard surcharge.

NOTE: THE COLOURS SHOWN ARE REFERENCE COLOURS.



									
RAL 1000	RAL 1001	RAL 1002	RAL 1004	RAL 1005	RAL 1006	RAL 1011	RAL 1013	RAL 1014	RAL 1015
									
RAL 1016	RAL 1018	RAL 1019	RAL 1024	RAL 1034	RAL 2000	RAL 2001	RAL 2010	RAL 3003	RAL 3004
									
RAL 3005	RAL 3011	RAL 3015	RAL 4003	RAL 4006	RAL 4009	RAL 5002	RAL 5003	RAL 5005	RAL 5007
									
RAL 5009	RAL 5010	RAL 5011	RAL 5012	RAL 5013	RAL 5014	RAL 5015	RAL 5017	RAL 5018	RAL 5020
									
RAL 5023	RAL 5024	RAL 6000	RAL 6005	RAL 6009	RAL 6013	RAL 6019	RAL 6021	RAL 6027	RAL 6032
									
RAL 6033	RAL 6034	RAL 7001	RAL 7003	RAL 7004	RAL 7005	RAL 7006	RAL 7009	RAL 7011	RAL 7012
									
RAL 7013	RAL 7015	RAL 7016	RAL 7021	RAL 7022	RAL 7023	RAL 7024	RAL 7030	RAL 7031	RAL 7032
									
RAL 7035	RAL 7036	RAL 7037	RAL 7038	RAL 7039	RAL 7040	RAL 7042	RAL 7043	RAL 7044	RAL 7045
									
RAL 7046	RAL 7047	RAL 8001	RAL 8002	RAL 8003	RAL 8004	RAL 8007	RAL 8008	RAL 8011	RAL 8012
									
RAL 8014	RAL 8015	RAL 8016	RAL 8017	RAL 8019	RAL 8022	RAL 8025	RAL 8028	RAL 9001	RAL 9002
									
RAL 9003	RAL 9004	RAL 9005	RAL 9006	RAL 9007	RAL 9010	RAL 9011	RAL 9016	RAL 9017	

According to the technical requirements of the Qualicoat 2024 quality mark, the quality of powder-coated surfaces is assessed from a distance of 5 meters.

VERTEX S.A. PRODUCT WARRANTY TERMS AND CONDITIONS

- 1.** The Company styled: VERTEX S.A. with its registered office in Czechowice-Dziedzice, 43-502, at ul. Elizy Orzeszkowej 26, entered in the Business Register of the National Court Register under KRS number: 0000288773, whose registration files are kept by the District Court for Katowice-Wschód in Katowice, 8th Commercial Division of the National Court Register, hereinafter referred to as the "Guarantor" or "Manufacturer", guarantees the good quality and efficient operation of the new product in accordance with the standards provided for the type of product, subject to the intended use, under normal conditions.
- 2.** The warranty shall be granted by the Guarantor on the terms and conditions set forth herein.
- 3.** The warranty shall only be granted to Buyers who have timely paid the amount due for the product received.
- 4.** Subject to the terms and conditions specified in the warranty, this warranty shall cover defects caused by manufacturing errors,including those resulting from the use of defective materials. No other types of product defects are covered by the warranty and are hereby excluded.
- 5.** When picking up the product at the Guarantor's registered office or on the date of delivery of the product, the Buyer is obliged to check the product packaging for damage (if any) and completeness in accordance with the order, or otherwise the right to dispute the quality and completeness of delivery shall be forfeited.
- 6.** The Guarantor provides a warranty for a period of 24 months from the date of sale, except for engines, for which the Guarantor provides warranty for a period of 60 months from the date of sale.
- 7.** Upon discovery of a defect, the Buyer shall be obliged to inform the Guarantor within 14 days from the date of the same being discovered. Visible defects must be complained about within 7 days from the date of purchase, but no later than before the product is installed. Failure to meet the above conditions will result in the warranty rights being forfeited.
- 8.** Exercise of the warranty rights, i.e. acceptance of the complaint and, if applicable, subsequent warranty service benefits shall be contingent upon:
- 1) presentation to the Guarantor of proof of purchase (receipt or VAT invoice) with the date of sale of the complained product.
- 2) presentation to the Guarantor of the original warranty card containing the data specified in section 17 of the warranty terms and conditions; in case the warranty card has not been filled out correctly, if any corrections are made in the warranty card by unauthorized persons, the Buyer shall forfeit warranty rights,
- 3) detailed description of the defect,
- 4) verification and confirmation of the existence of a manufacturing defect in the product by the Guarantor.
- 9.** In the event that a complaint is duly submitted by the Buyer, the Guarantor undertakes to:
- 1) consider the complaint within the shortest possible time not exceeding 30 working days from the physical receipt of the product for maintenance purposes.
- 2) remove the defects found in the product - if the complaint made is justified.
- 3) reduce the price or replace the product with a defect-free one if it is not possible to remove the defects found; in the event of the defective product or defective elements of the Product being replaced with new ones, the Buyer is obliged to surrender the defective Product or defective elements of the Product to the Guarantor.
- 10.** Defects discovered during the warranty period will be removed by the Guarantor within the shortest possible time not exceeding 30 working days from the date the complaint is accepted, while free-of-charge repair or replacement of the complained product shall be preceded by an expert examination of the damage at the Guarantor's premises, on the basis of which the Guarantor decides whether the complaint is justified. The Guarantor's liability shall not extend to cover the cost of disassembly of the defective product and the cost of transporting the product to the Manufacturer., as well as the cost of re-transporting and installing the product, which are charged entirely to the Buyer. The Manufacturer reserves the right to extend the deadline referred to in the preceding sentence, in case of the need to obtain additional expert opinion or the use of non-standard materials. The exact date for the removal of defects shall from time to time be agreed upon with the Buyer.
- 11.** Free-of-charge repair of the complained product shall be carried out at the Guarantor's premises.
- 12.** Disassembly and assembly of the complained product shall be the responsibility of the Buyer. This warranty shall not cover costs or expenses arising from disassembly or reassembly of the product, or protection of the place of installation with protective measures, during the period of the work related to the repair or replacement of the product.
- 13.** In the event that a complaint is accepted, the Guarantor agrees to reimburse the Buyer for the transport service, upon presentation by the Buyer of appropriate documents, confirming the amount of the incurred transportation costs, as well as return the repaired Product to the Buyer at his own expense.
- 14.** The Guarantor shall not be liable under the warranty in the event of:
- 1) application by the Buyer or third parties of modifications that were not carried out or authorized by the employees of the Manufacturer.
- 2) damage to the packaging or the product itself that were not reported on the date of receipt of the product.
- 3) mechanical damage and damage resulting from improper or negligent assembly, use or storage, excessive overloading, operation in improper conditions or improper electrical installation.
- 4) fortuitous events occurring after the release of the product, in particular caused by weather conditions, electromagnetic interference, electrical discharges or power surges.
- 5) use of non-original materials or accessories for the product,
- 6) failure to comply with the recommendations set forth in the price list and the Manufacturer's installation instructions,
- 7) defective use of the Product, contrary to the Manufacturer's instructions,
- 8) when defects, faults or damage to the Product result directly or indirectly from negligence, in particular resulting from failure to comply with the requirements for regular inspection and servicing of the product, or negligence regarding the use and maintenance of the product in accordance with the instructions or directions for use,
- 9) defects, faults or damage to the product, the occurrence of which could have been prevented by the Buyer through proper maintenance and use of the product.
- 15.** The warranty does not cover:
- 1) natural wear and tear of original components, parts and accessories caused by their normal use,
- 2) mechanical damage and defects caused by them,
- 3) damage resulting from assembly, changes or repairs to the product or its parts, made by persons other than those authorized by the Manufacturer; we recommend that you do not attempt to repair or replace the product without the Manufacturer's approval;
- Otherwise, any complaints regarding a defect resulting from such actions that were not agreed upon with the Manufacturer shall be refused,
- 4) damage resulting from the use of spare parts or accessories other than those manufactured or used by the Manufacturer,
- 5) damage resulting from operation of the product contrary to its intended use,
- 6) maintenance and cleaning of the product, as well as replacement of fuses, batteries,
- 7) products discounted as being of incomplete value,
- 8) damage resulting from fortuitous events, in particular fire, flood, lightning, very low temperatures and other natural disasters,

The price list shows net prices. The currency used in the price list is the €

16. In the event that a complaint is rejected as a result of an inspection conducted by the Guarantor, the cost of the inspection and the return of the goods shall be borne by the Buyer.

17. The Buyer may raise claims against the Seller under liability for defects only in the event that the following grounds are met jointly:

- 1) installation of the product was performed by authorized representatives of the Manufacturer,
- 2) The Buyer has a valid warranty card containing the following data:
- (a) name and license number of the installer (this applies to installation of electrical equipment),
- b) legible signature of the installer,
- c) date and place of installation,
- d) the Distributor's stamp.
- 3) product defects were promptly reported to the Manufacturer in writing, within the time limits specified in section 7 of the warranty terms and conditions,
- 4) the product has been installed and used in accordance with the manufacturer's instructions,
- 5) no alterations or repairs have been made to the product by persons not authorized by the Manufacturer.

18. The above provisions define the Seller's overall liability for defects in the subject matter of the contract. The Manufacturer's liability under the warranty covers only defects resulting from causes inherent in the sold item. Further claims by the Buyer, in particular claims under the warranty for product defects and claims for indirect damages, including lost profits by the Buyer, are excluded. The exclusion of the Manufacturer's liability under the warranty for product defects does not apply to contracts concluded with consumers (from January 1, 2021, this also does not apply to an individual entering into a contract directly related to their business activity, when the content of such contract indicates that it is not of a professional nature, resulting in particular from the subject of their business activity, disclosed under the provisions on the Central Registration and Information on Business).

18a. Exclusion of Warranty in B2B Relationships

In relations with Buyers who are entrepreneurs within the meaning of Art. Article 43¹ of the Civil Code excludes the Seller's/Manufacturer's liability under the warranty for defects in sold goods. This provision does not apply to consumers or individuals entering into a contract directly related to their business activity, if the content of the contract indicates that it is not of a professional nature for them (so-called entrepreneur-consumers).

18b. Products Modified and Repaired for a Fee

1. Products subject to modifications performed by the Manufacturer in accordance with the applicable modification price list receive a warranty limited solely to the scope of the modification performed, for a period of 12 months from the date of delivery of the modified product, unless otherwise specified in the price list or an individual agreement.
2. Products repaired for a fee by the Manufacturer at the request of the Buyer (outside the scope of the basic warranty) receive a warranty for the repairs performed for a period of 6 months from the date of return of the product to the Buyer, unless the individual agreement provides otherwise.
3. The warranty referred to in paragraphs 1-2 covers only the components and scope covered by the modification or repair. Other parts of the product are not covered by the extended warranty and retain their original warranty status.
4. The Manufacturer is not liable under the warranty in relations with Buyers who are entrepreneurs within the meaning of Art. 43¹ of the Civil Code, including in relation to products modified or repaired for a fee.

18c. Modifications and Repairs and the Warranty Period

1. In the case of product modifications made during the period of the Manufacturer's original warranty:
- a) the warranty for the entire product remains valid until the end of the original warranty period,
- b) for the scope covered by the modification, the Manufacturer provides an additional warranty of 12 months from the date of the modification, but not shorter than the period remaining until the end of the original warranty.
2. In the case of modifications or repairs performed after the expiry of the original warranty period, the Manufacturer provides a warranty for the service performed (parts and labor) for a period of 6 months from the date of delivery of the product to the Buyer, unless a separate agreement provides otherwise.
3. The warranty referred to in paragraphs 1-2 covers only the components and scope covered by the modification or repair and does not extend to other parts of the product. 4. "Alteration" within the meaning of these terms and conditions also includes repair of a Vertex product performed after the expiration of the original warranty period, in particular repair of faults or damage resulting from misuse of the product by the Buyer or damage caused by assembly errors. In such a case, the warranty period indicated in section 2 applies, i.e. 6 months for the repair service performed, covering only the scope of the repair.

19. Any damage caused by improper storage of the product, its improper handling and incorrect maintenance and other causes not attributable to the Manufacturer may be removed only at the expense of the Buyer. If the above-mentioned causes have triggered permanent changes in the quality of the product, the warranty shall be forfeited.

20. If, at the time of repair or replacement, the product is no longer manufactured by the Manufacturer or in the same version (form, color, packaging, finish, etc.), the Guarantor is authorized to replace the same with a similar product.

21. In the event of an unjustified complaint, all related costs shall be borne by the Buyer.

22. The Guarantor shall have the right to demand payment of the cost of a service visit if the Buyer's complaint is not covered by the scope of this warranty.

Furthermore, the Buyer shall bear all other costs, including labor costs, product testing costs, as well as any other costs incurred in connection with the disassembly or reassembly of the product, and securing the product.

23. If the Guarantor has undertaken to repair the product in accordance with this warranty, the original warranty period relating to such product shall continue and shall be extended by the period during which the Buyer was unable to use the product due to the defect. If, in accordance with this warranty, the Guarantor has undertaken to replace the product (or its parts) or has made a substantial repair of the product, the new warranty period (relating to the product or part thereof) shall run from the date of delivery of the new product (or part thereof) or delivery of the replaced product.

24. The warranty shall be complementary to the Buyer's rights against the Guarantor based on generally applicable laws. The warranty shall not exclude, limit or suspend rights of the buyer who is a consumer (and as of 1 January 2021 also a natural person concluding a contract directly related to its business activity, when it follows from the content of this contract that it does not have for him a professional character, arising, in particular, from the object of its business activity, made available on the basis of the provisions on the Central Register and Information on Business Activity), resulting from the provisions on warranty for defects of the item sold.

25. The warranty shall apply in the countries to which the Manufacturer has sold its products directly.

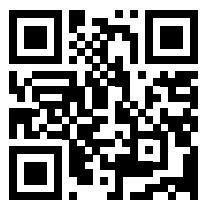
26. The competent court for any disputes that may arise from this warranty shall be the court having jurisdiction over the Manufacturer's registered office.

27. In matters not covered by this warranty, the relevant provisions of the Civil Code shall apply.



Vertex S.A. reserves the right to make technical changes - 2026

The prices in the price list are net prices, exclusive of 23% VAT - 2026



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