



Roller shutters **Horizontal Blinds** Fly screens



PRICE LIST OF FACADE BLINDS

2024 first edition

06.12.2024

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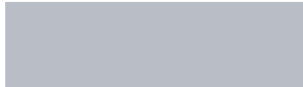
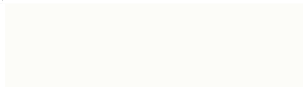
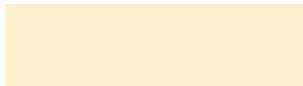
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FACADE BLINDS

Façade blinds are window coverings that are increasingly winning our hearts. Thanks to their elegant appearance, they fit perfectly into any modern façade, at the same time giving a specific character to other architectural styles. The façade blind is a great solution for extremely demanding customers. It provides privacy and its outstanding thermal comfort significantly reduces air-conditioning and heating costs in buildings, which is a very important argument today. Controlled louvres make it possible to regulate the light entering the interior, providing excellent protection against excessive sunlight and UV radiation. In this age of technological development, the possibility of full automation in the operation of blinds is another advantage.



COLORS

Lamels colour		C-80 i Z-90	C80 Flat
RAL 9006		✓	✓
RAL 7016		✓	✓
RAL 9016		✓	✓
RAL 1015		✓	—
RAL 8014		✓	—
RAL 7035		✓	✓
RAL 9005		✓	✓
RAL 9007		✓	✓
DB 703		extra	—

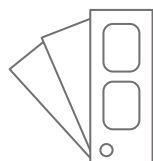
For extra colour +5% surcharge to the list price

✓ standard

The colours shown are for illustrative purposes only. To select a colour, please use the original Vertex S.A. sample book.

Colour of fittings

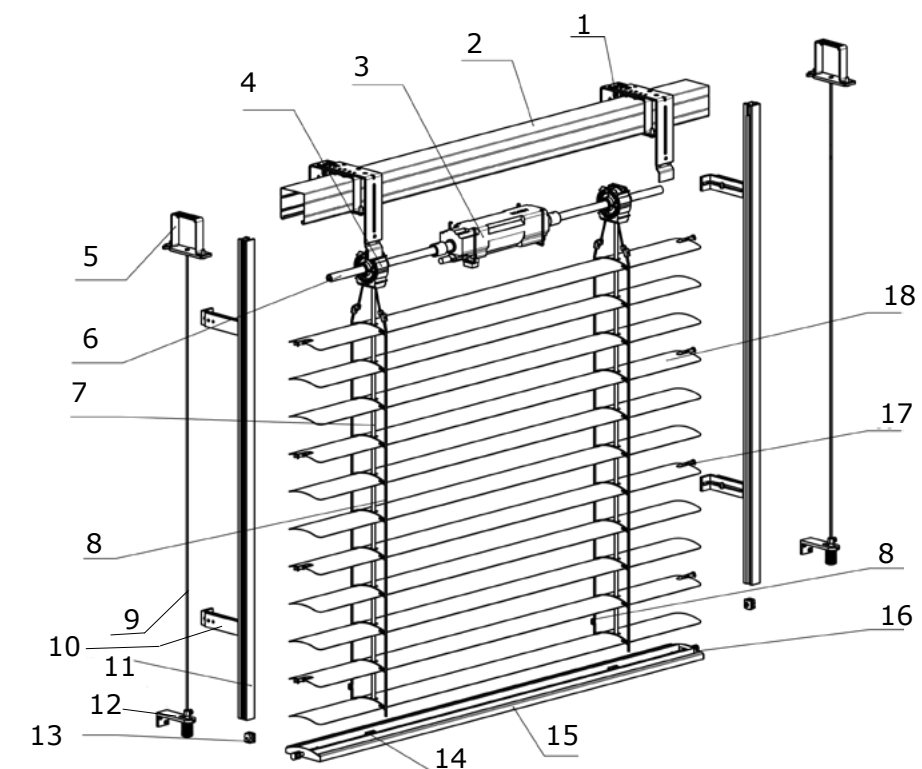
Element	Standard colours	Extra colours
Slides and slide holders	All RAL colours from the Vertex collection Page 83	Colour DB 703 +5% RAL colours outside the Vertex collection - individual pricing.
End list		
Cover sheets		
Tapestries		
String Ladders	grey	black



Set of colours in standard surcharge on page 83

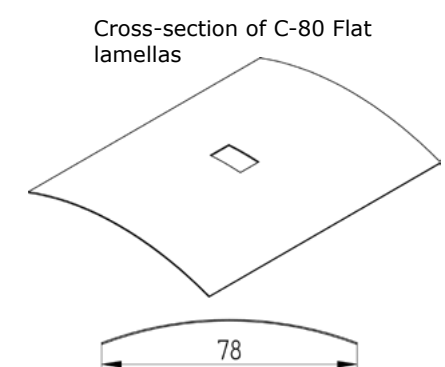
TYPES OF LOUVRE PACKAGES FACADE

Facade blind package in the C-80 Flat system

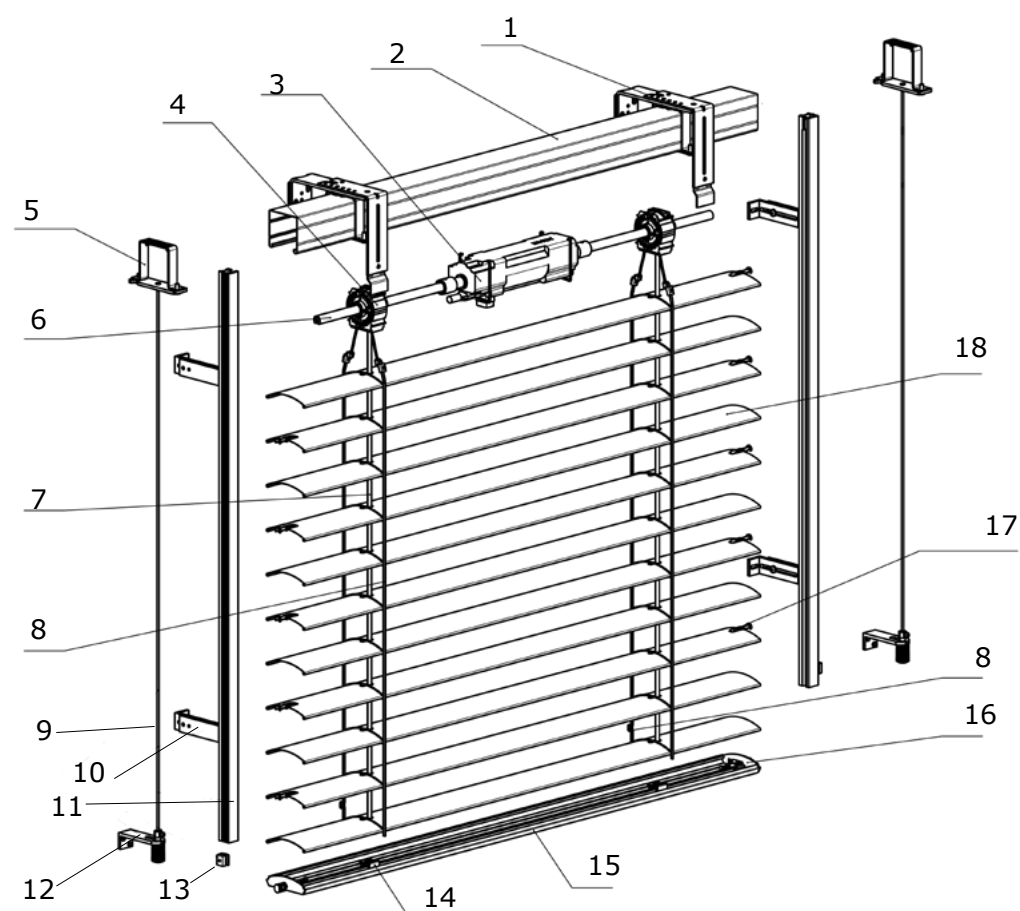


- | | |
|---|--------------------------|
| 1. Top rail hanger | 11. Guide |
| 2. Top rail | 12. Wire handle |
| 3. Motor | 13. Guide stopper |
| 4. Bearing | 14. Tape holder |
| 5. Rope hanger | 15. Bottom slat |
| 6. Shaft | 16. End cap for end list |
| 7. Tape | 17. Pin |
| 8. Ladder | 18. Lamela |
| 9. Cable - interchangeable with guide bar | |

The new C-shape of the slats, which is flatter, is a great solution for achieving greater louvre heights. This gives you the opportunity to cover larger window spaces while maintaining the existing box sizes. The C Flat lamella package is very compact; when pulled up, it does not take up any extra space as it hides completely in the box. The simple, smoother, ergonomic shape also has its additional aesthetic appeal.

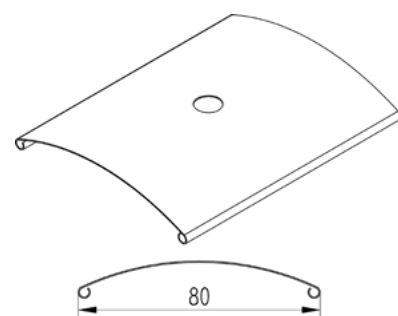


Facade louvre package with C-80 slats



- | | | |
|--------------------|---|--------------------------|
| 1. Top rail hanger | 7. Tape | 13. Guide stopper |
| 2. Top rail | 8. Ladder | 14. Tape holder |
| 3. Motor | 9. Cable - interchangeable with guide bar | 15. Bottom slat |
| 4. Bearing | 10. Guide handle | 16. End cap for end list |
| 5. Rope hanger | 11. Guide | 17. Pin |
| 6. Shaft | 12. Wire handle | 18. Lamela |

Cross-section of C-80 lamellas



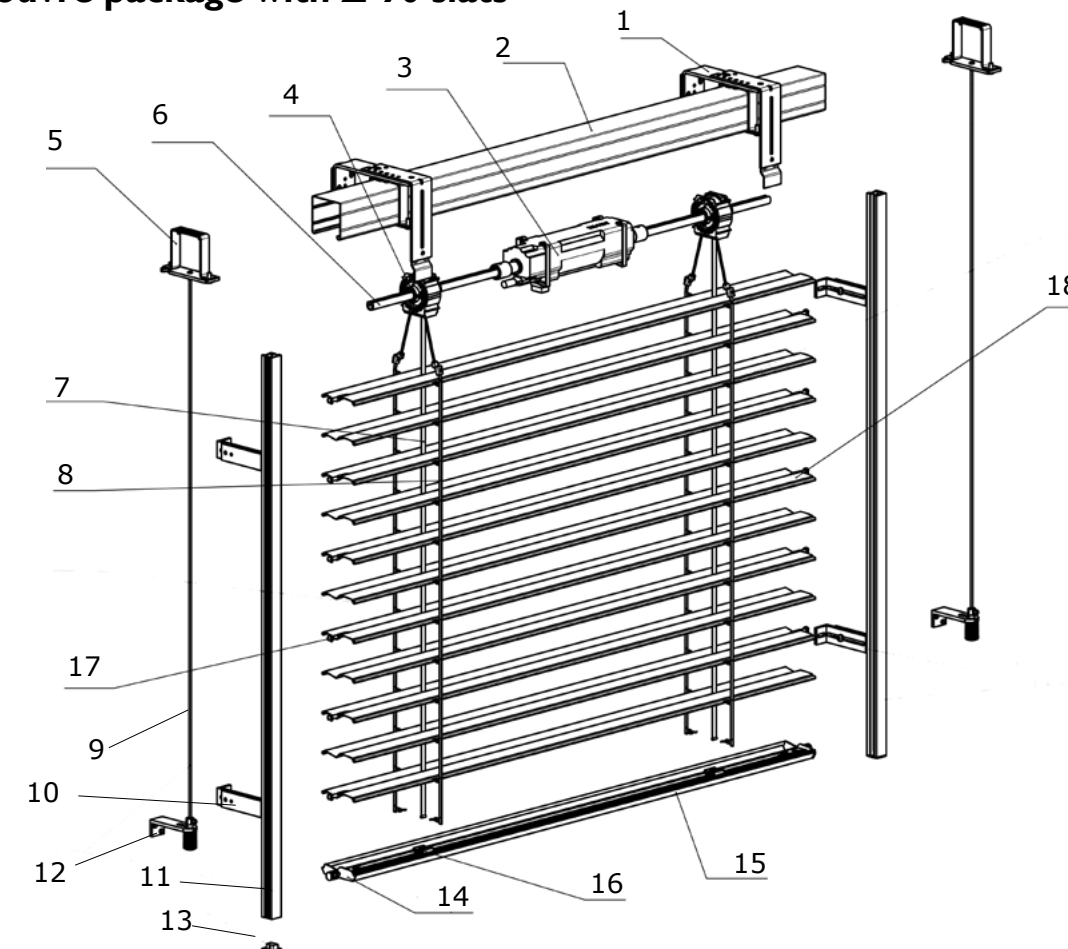
The C-80 façade louvre is fitted with 80 mm wide, 0.42 mm thick C-shaped aluminium louvres.



PRODUCT FEATURES:

- Steel top rail 58×56 (galvanised).
- Bottom rail and guides made of extruded aluminium.
- The strap and ladder are made of material with increased resistance to stretching, breaking and any mechanical damage, as well as to UV radiation.
- Aluminium „C” shaped laths with a so-called „flange” made of 0.42 mm sheet metal.

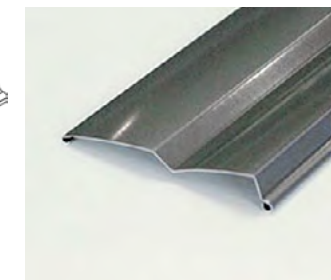
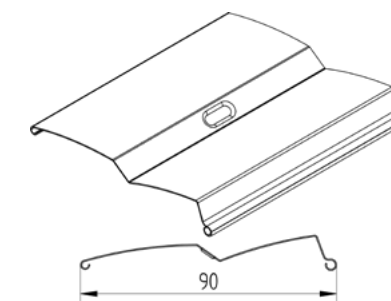
Facade louvre package with Z-90 slats



- | | | |
|--------------------|---|--------------------------|
| 1. Top rail hanger | 7. Tape | 13. Guide stopper |
| 2. Top rail | 8. Ladder | 14. Tape holder |
| 3. Motor | 9. Cable - interchangeable with guide bar | 15. Bottom slat |
| 4. Bearing | 10. Guide handle | 16. End cap for end list |
| 5. Rope hanger | 11. Guide | 17. Pin |
| 6. Shaft | 12. Wire handle | 18. Lamela |

Z-shaped aluminium louvres made of 0.42 mm sheet metal (lacquered with polyester paint - smooth). Z-90 forms a very tight armour when the louvre is fully closed, resistant to the penetration of sunlight. The lamellas have a rubber seal along their entire length, which ensures precise closure of the lamellas.

Cross-section of Z-90 lamellas



PRODUCT FEATURES:

- **Steel top rail 58×56 (galvanised).**
- **Bottom rail and guides made of extruded aluminium.**
- **The strap and ladder are made of material with increased resistance to stretching, breaking and any mechanical damage, as well as to UV radiation.**
- **Z-shaped aluminium laths made from 0.42 mm sheet.**

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.

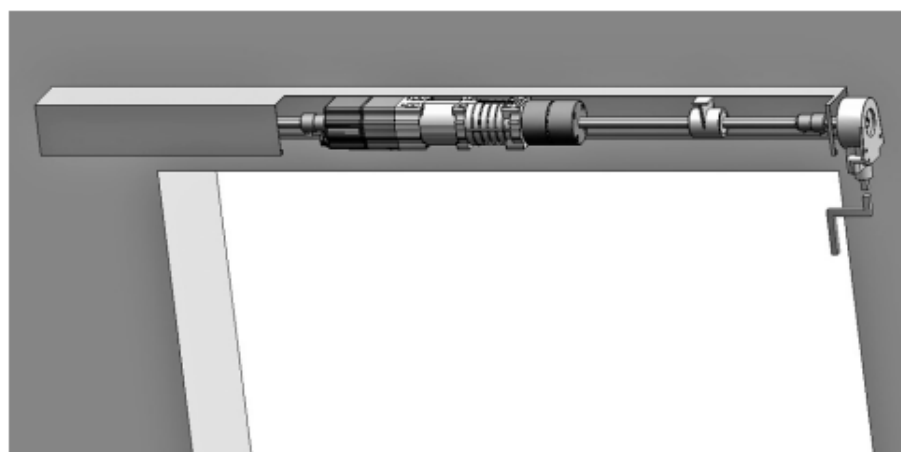
NOTE: When placing an order, specify the control side for the NHK drive.

Minimum blade width (mm) 85	85
Maximum height (mm) 3000	3000
Maximum width (mm) 3000*	3000*
Maximum area (m)2 5,5	5,5

*Maximum width for self-supporting system 2400 mm.



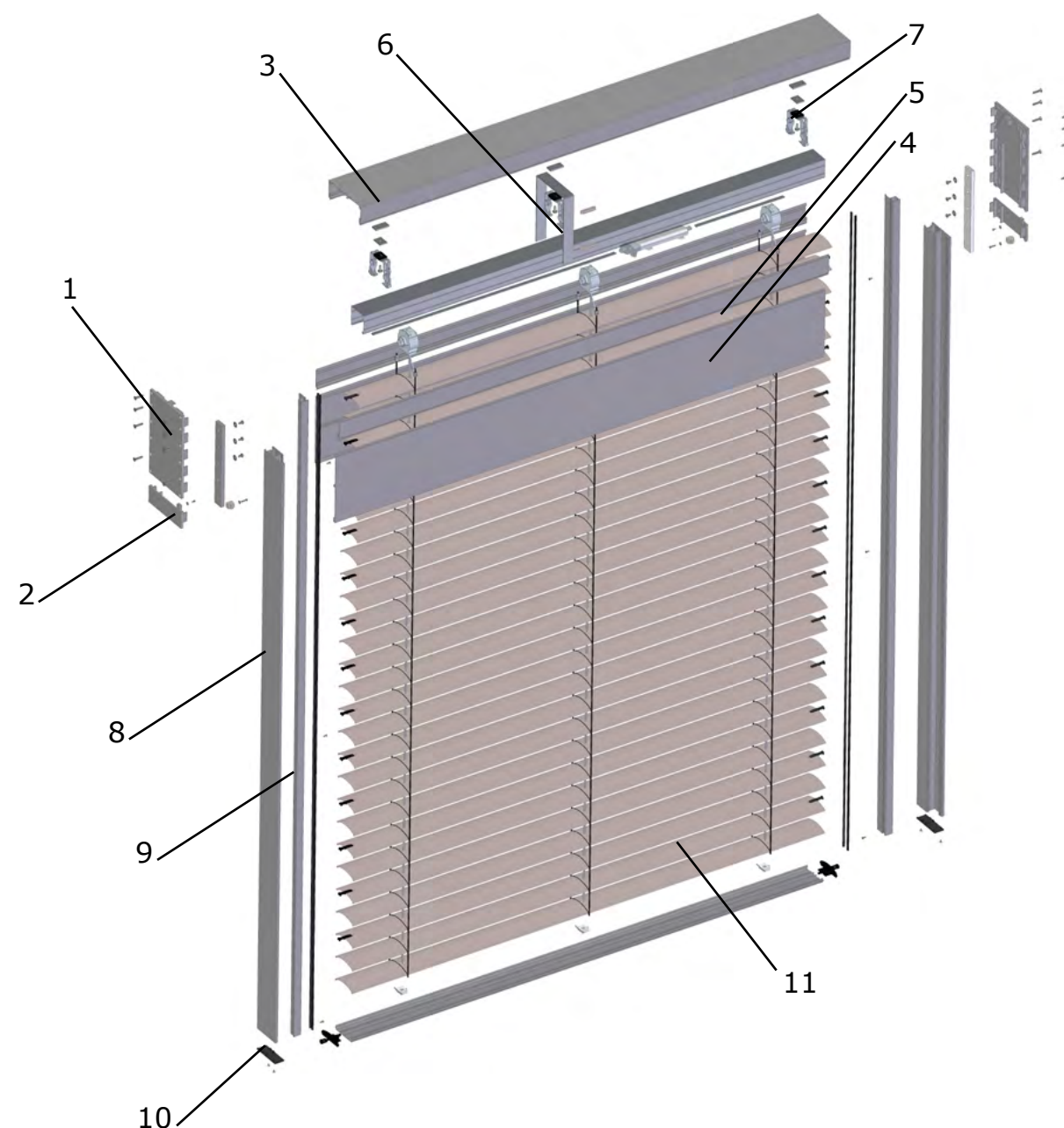
Motor JA10NHK



Schematic diagram of an NHK system facade blind

I. Facade shutters in VBoxes

Vbox systems made of extruded aluminium. They guarantee easy and quick 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.



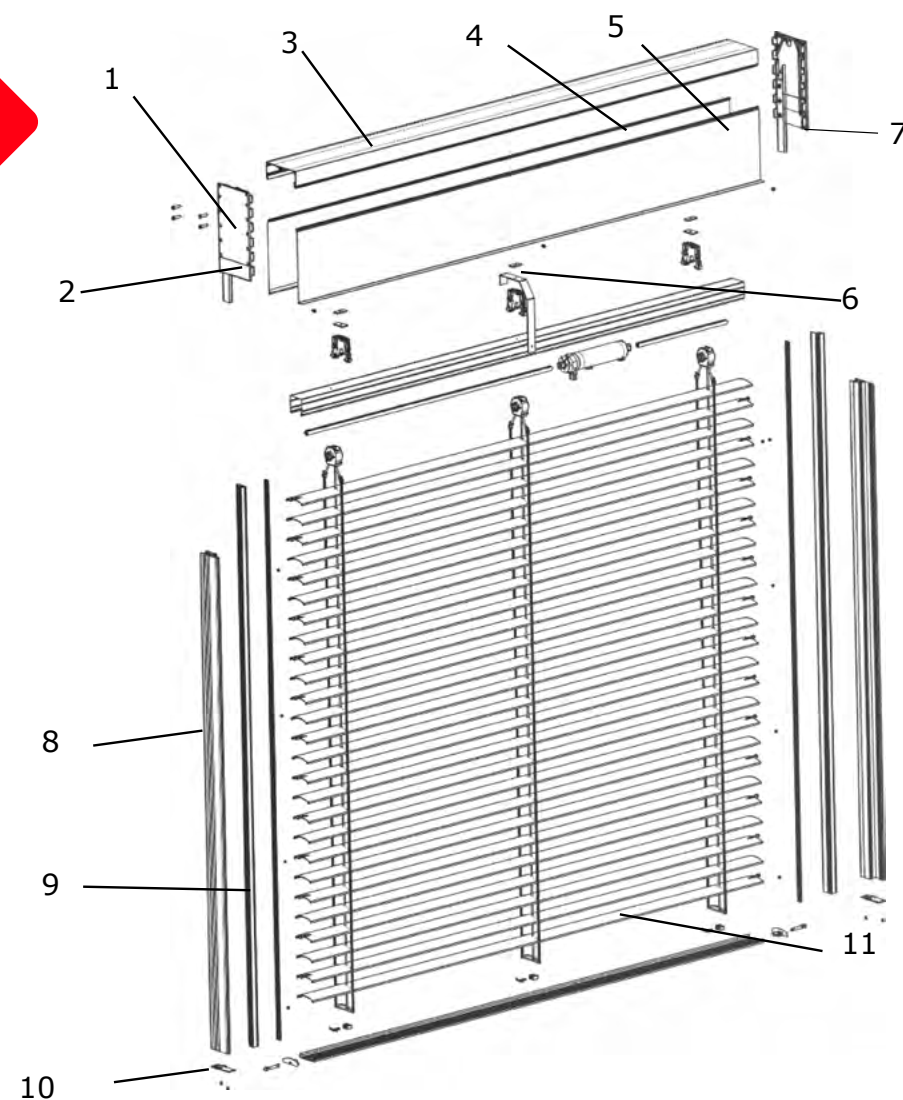
1. Side of the VBox
2. VBox extension module
3. VBox top box
4. Revision of the VBox 200
5. Revision of the VBox 50
6. Vbox reinforcement 200 for box 250 and 300, Vbox reinforcement 300 for box 350 and 400 Vbox reinforcement 400 for box 450 and 500

7. Top rail hanger type click
8. VBox base runner
9. Slide guide VBox
10. VBox guide cap
11. Blinds package

- • Simple, modern design.
- • Easy to install.
- • Durable, modular box.
- • Infinitely variable manual or electric control

Concealed facade shutter in VBox Eco system

In order to meet the expectations of our customers, we present a new model of blinds in the VBox Eco system, enriched with certain details. Another of our solutions that ensures simple, quick, comprehensible and uncomplicated installation. The inspection hatch, opened and fixed from the front of the box, gives lightness and rigidity to the whole structure and also provides easy access to the package. VBox Eco is dedicated to the flush-mounted installation of louvres. The retained simple structure of the box allows impressive window shading dimensions to be achieved, particularly with the C-80 Flat louvre package.



1. Side of the VBox
2. VBox extension module
3. VBox top box
4. Revision of the VBox ECO
5. Revision of the VBox ECO
6. VBox reinforcement 200 for box 250 and 300,
Vbox reinforcement 300 for box 350 and 400

7. Top rail hanger type click
8. VBox base runner
9. Slide guide VBox
10. VBox guide cap
11. Blinds package

- Simple, modern design.
- Easy to install.
- Durable, modular box.
- Infinitely variable manual or electric control

VBox and VBox ECO box systems



VBox



VBox with plaster carrier



VBox Termo



VBox ECO

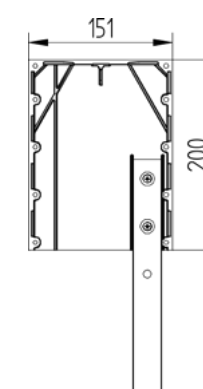


VBox ECO double-sided
carrier

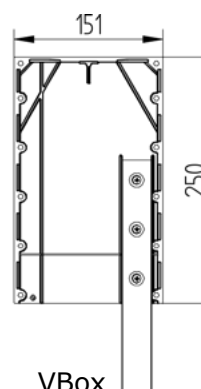
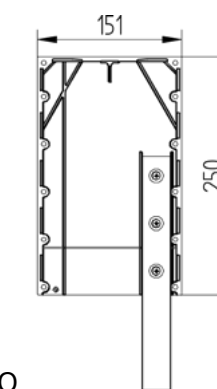


VBox ECO Termo

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

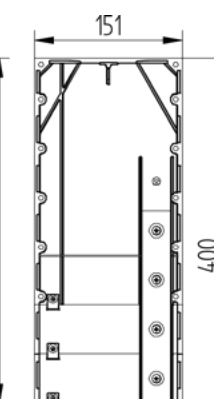
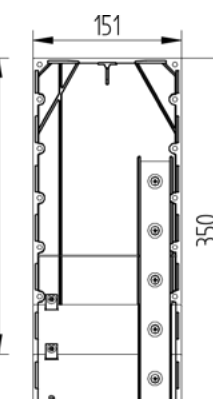
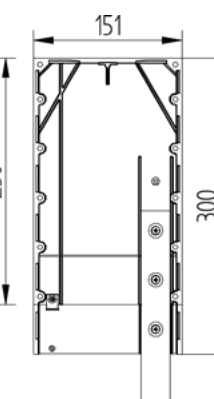
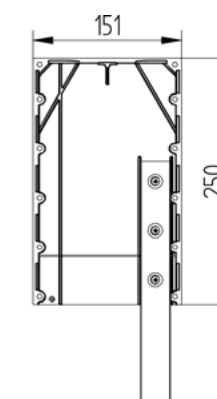


VBox ECO

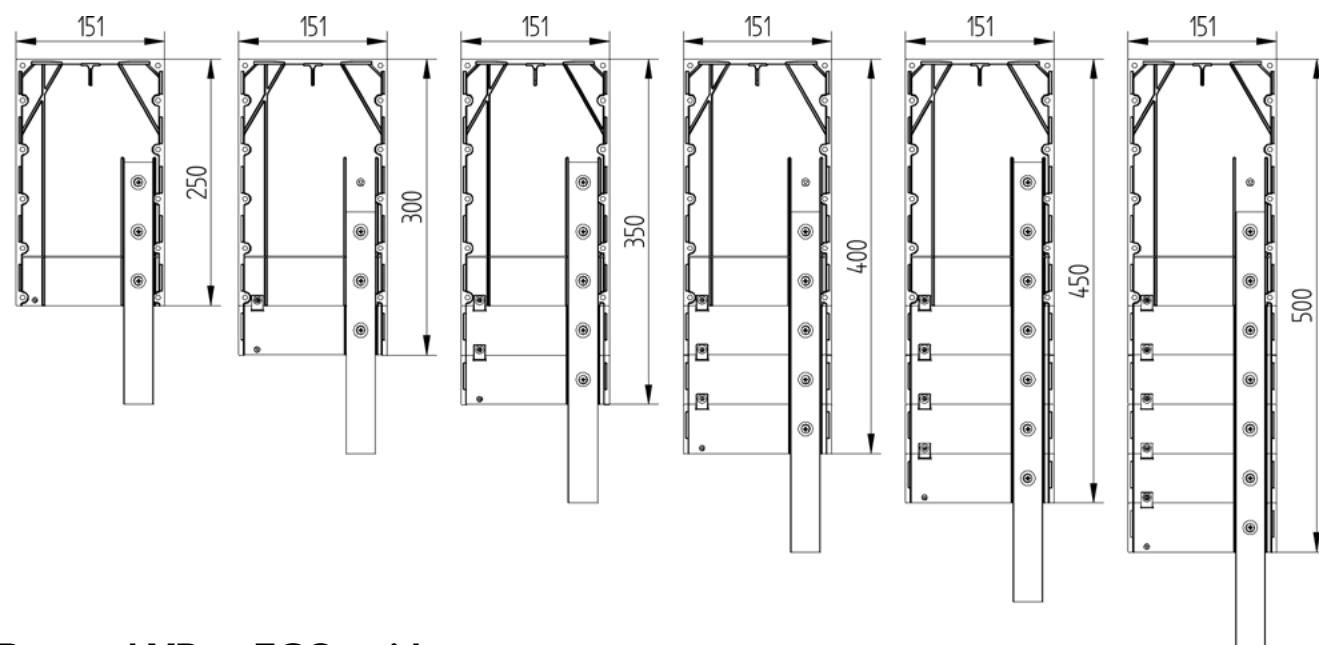


VBox

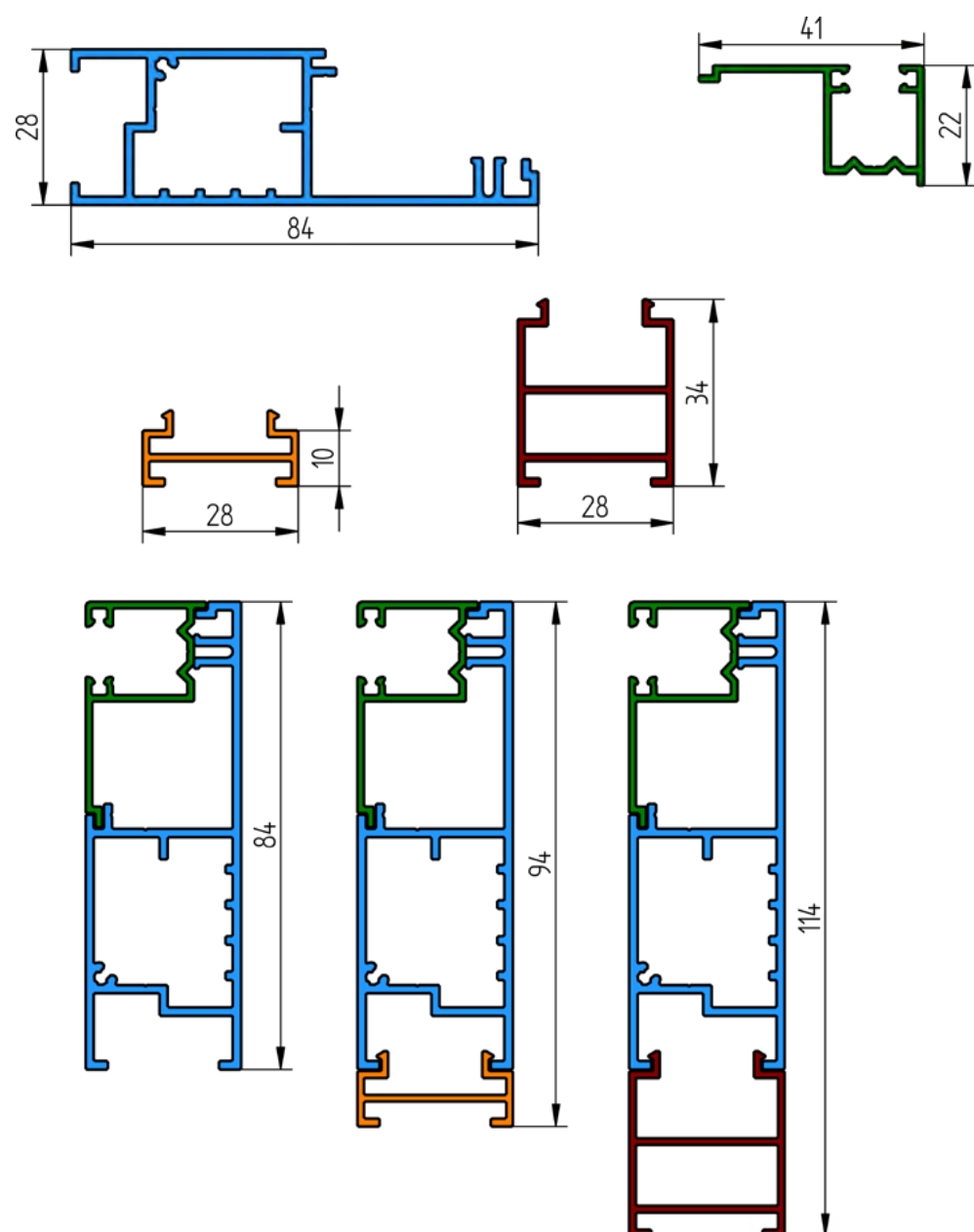
Dimensions of VBox ECO for the C-80 and Z-90 package



Dimensions of VBoxes



VBox and VBox ECO guide 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 area m2	
				Manual control	Electrical control
C-80 Z-90	600	4000	5000	8	20
C-80 Flat	600	4000	4000	8	16

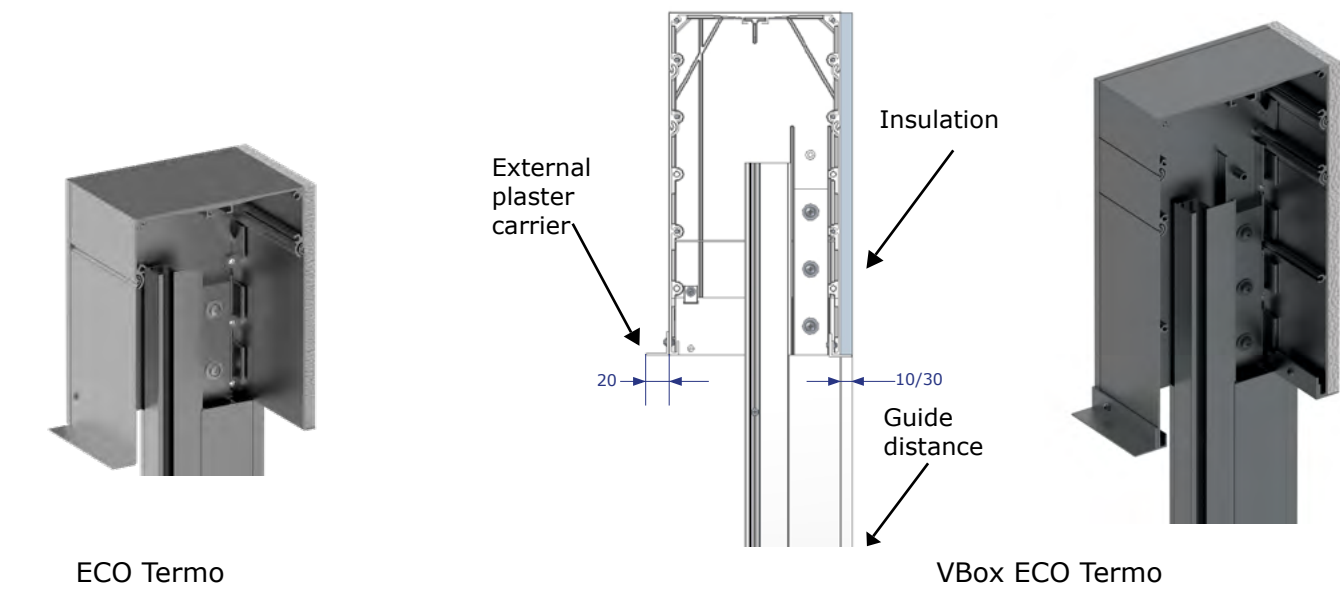
Maximum heights for facade blinds in VBox and VBox ECO boxes

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	-	-

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 and VBox ECO Thermo



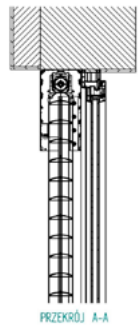
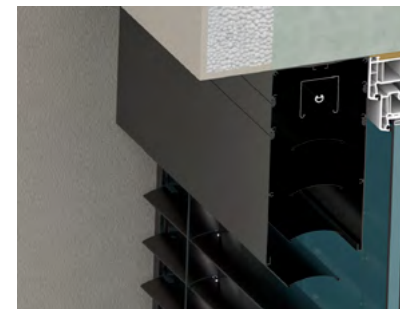
The Thermo version additionally features:

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

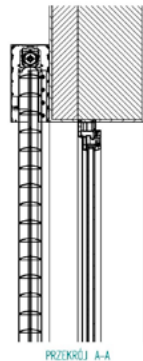
Types of installation of facade blinds in a VBox

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 metres), it is recommended that the box is additionally fixed to the lintel.

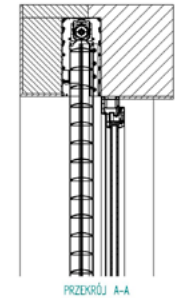
Recess mounting



Mounting on the wall



Mounting on the lintel



I.1 Façade louvre in VBox box 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
151x250	278	293	307	322	336	350	365	380	394	409	422	436	451	465	480	495
0,4	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
0,6	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
0,8	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
1,0	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
1,2	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
1,4	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
1,6	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
1,8	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
2,0	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
2,2	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
2,4	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
2,6	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
2,8	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
3,0	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
3,2	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
3,4	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
3,6	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
3,8	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594
4,0	320	336	353	369	386	403	419	436	452	469	488	507	526	545	566	594

- Price includes:
- Blind package with C-80 Flat slats in standard colour.
 - Top rail hangers in number depending on width.
 - VBox base + VBox work slides in standard colour.
 - VBox in a RAL colour from the standard collection.
 - ELERO JA Soft motor or manual drive.



VBox Flat

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

I.2 Żaluzja fasadowa w skrzynce VBox Termo 10mm z lamelami C-80 FLAT

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	
151x250	0,4	291	315	339	364	400	424	451	475	500	535	563	587	611	647	674	699	723	747
	0,6	307	333	358	383	421	446	475	500	525	563	591	616	642	679	707	733	758	783
	0,8	324	350	377	403	442	469	498	525	551	590	619	645	672	711	740	767	793	820
	1,0	341	368	396	423	464	491	522	549	576	617	647	675	702	743	773	801	828	856
	1,2	357	386	415	443	485	514	545	574	602	644	676	704	733	775	806	835	863	892
	1,4	374	404	433	463	506	536	569	598	628	671	704	734	763	807	839	869	899	928
	1,6	391	421	452	483	528	559	592	623	654	699	732	763	794	839	872	903	934	964
	1,8	408	439	471	503	549	581	616	647	679	726	760	792	824	870	905	937	969	1 000
	2,0	424	457	490	523	571	603	639	672	705	753	789	822	854	902	938	971	1 004	1 037
	2,2	441	475	509	542	592	626	663	697	730	780	817	851	885	935	971	1 005	1 039	1 073
	2,4	456	491	526	560	611	645	683	718	752	803	841	875	910	961	998	1 033	1 067	1 102
	2,6	473	509	545	580	632	668	707	742	778	830	869	905	940	993	1 031	1 067	1 103	1 138
	2,8	490	527	563	600	654	690	730	767	804	858	897	934	971	1 025	1 064	1 101	1 138	1 174
	3,0	506	544	582	620	675	713	754	792	829	885	925	963	1 001	1 056	1 097	1 135	1 173	1 210
	3,2	523	562	601	640	697	735	777	816	855	912	954	993	1 031	1 088	1 130	1 169	1 229	1 267
	3,4	540	580	620	660	718	758	801	841	881	939	982	1 022	1 062	1 120	1 163	1 224	1 264	1 304
3,6	557	598	639	680	740	780	825	865	906	966	1 010	1 051	1 092	1 173	1 217	1 258	1 299	1 340	
3,8	573	615	657	700	761	803	848	890	932	994	1 039	1 081	1 143	1 205	1 250	1 292	1 334	1 376	
4,0	590	633	676	719	782	825	872	915	958	1 021	1 067	1 131	1 174	1 237	1 283	1 326	1 369	1 412	



- Price includes:
- Blind package with C-80 Flat slats in standard colour.
 - Top rail hangers in number depending on width.
 - Vbox base + Vbox work slides in standard colour.
 - Vbox in a RAL colour from the standard collection.
 - Motor ELERO JA Soft lub napęd manual.
- Internal and external render carrier in standard colour: 10 mm insulation Guide rail distance 10 mm
- Please note: controls (remote controls, switches) are not included in the price of the blinds.

I.3 Żaluzja fasadowa w skrzynce VBox Termo 30mm z lamelami C-80 FLAT

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	
151x250	0,4	297	323	349	375	412	438	467	493	519	556	585	611	637	674	703	729	755	781
	0,6	316	343	370	397	436	463	493	520	547	585	615	642	669	708	738	765	792	819
	0,8	335	363	391	419	460	487	518	546	574	615	646	674	702	742	773	801	829	857
	1,0	354	383	412	441	483	512	544	573	602	644	676	705	734	776	808	837	866	895
	1,2	373	403	433	463	506	536	570	600	630	673	707	737	767	810	844	874	904	934
	1,4	391	422	454	485	530	561	595	626	658	703	737	768	799	844	879	910	941	972
	1,6	410	442	475	507	553	586	621	653	685	732	767	800	832	878	914	946	978	1 010
	1,8	429	462	495	529	577	610	647	680	713	761	798	831	864	912	949	982	1 015	1 049
	2,0	448	482	516	551	600	635	672	707	741	791	828	862	897	946	984	1 018	1 053	1 087
	2,2	466	502	537	573	624	660	698	733	769	820	859	894	929	980	1 019	1 055	1 090	1 125
	2,4	484	520	556	593	645	681	720	756	793	845	884	920	956	1 009	1 048	1 084	1 120	1 156
	2,6	503	540	577	615	669	706	746	783	820	874	915	952	989	1 043	1 083	1 120	1 158	1 195
	2,8	522	560	598	637	692	730	772	810	848	904	945	983	1 021	1 077	1 118	1 156	1 195	1 233
	3,0	540	580	619	659	715	755	797	837	876	933	975	1 015	1 054	1 111	1 153	1 193	1 232	1 271
	3,2	559	600	640	680	739	780	823	863	904	962	1 006	1 046	1 086	1 145	1 189	1 229	1 290	1 330
	3,4	578	620	661	703	763	804	849	890	931	991	1 036	1 078	1 119	1 179	1 224	1 286	1 327	1 369
3,6	597	640	682	725	786	829	874	917	959	1 021	1 066	1 109	1 152	1 234	1 279	1 322	1 364	1 407	
3,8	616	659	703	746	810	853	900	944	987	1 050	1 097	1 140	1 205	1 268	1 314	1 358	1 402	1 445	
4,0	635	679	724	769	833	878	925	970	1 015	1 080	1 127	1 192	1 237	1 302	1 350	1 394	1 439	1 484	



- Price includes:
- Blind package with C-80 Flat slats in standard colour.
 - Top rail hangers in number depending on width.
 - Vbox base + Vbox work slides in standard colour.
 - Vbox in a RAL colour from the standard collection.
 - Motor ELERO JA Soft lub napęd manual.
- Internal and external render carrier in standard colour: 30 mm insulation Guide rail distance 30 mm
- Please note: controls (remote controls, switches) are not included in the price of the blinds

I.4 Façade louvre in VBox ECO box with C-80 FLAT slats

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	
151x200		0,4	254	271	289	306	337	354	375	392	409	440	460	478	495	526	546	564	581	598
		0,6	269	287	305	324	356	375	396	414	433	465	486	505	523	555	577	595	614	632
		0,8	283	303	322	341	375	395	417	437	456	490	513	532	551	585	608	627	647	666
		1,0	298	318	339	359	395	415	439	459	480	515	539	559	580	615	639	659	680	700
		1,2	312	334	355	377	414	435	460	482	503	540	565	586	608	645	669	691	713	734
		1,4	327	349	372	395	433	456	481	504	527	565	591	613	636	675	700	723	745	768
		1,6	341	365	389	412	452	476	503	526	550	590	617	640	664	704	731	755	778	802
		1,8	356	380	405	430	471	496	524	549	574	615	643	668	692	734	762	787	811	836
		2,0	370	396	422	448	491	516	545	571	597	640	669	695	721	764	793	818	844	870
		2,2	403	431	459	487	533	561	592	621	649	695	726	754	782	828	860	888	916	944
151x250		2,4	416	445	474	503	550	579	610	640	668	715	747	776	805	852	884	913	942	971
		2,6	430	460	490	520	569	599	632	662	692	740	774	804	834	882	915	945	975	1 005
		2,8	445	476	507	538	588	619	653	684	715	765	800	831	862	912	946	977	1 008	1 039
		3,0	459	491	524	556	607	640	675	707	739	790	826	858	890	941	977	1 009	1 041	1 073
		3,2	474	507	540	573	627	660	696	729	762	815	852	885	918	971	1 007	1 041	1 095	1 128
		3,4	488	523	557	591	646	680	717	752	786	840	878	912	946	1 001	1 038	1 093	1 127	1 162
		3,6	503	538	574	609	665	700	739	774	809	865	904	939	975	1 051	1 090	1 125	1 160	1 196
		3,8	517	554	590	626	684	721	760	796	833	890	930	966	1 023	1 081	1 120	1 157	1 193	1 230
		4,0	532	569	607	644	703	741	781	819	856	915	956	1 014	1 052	1 111	1 151	1 189	1 226	1 264



Please note: controls (remote controls, switches) are not included in the price of the blinds.

Price includes:

- Blind package with C-80 Flat slats in standard colour.
- Top rail hangers in number depending on width.
- Vbox base + Vbox work slides in standard colour.
- Vbox in a RAL colour from the standard collection.
- Motor ELERO JA Soft lub napęd manual.

External render carrier in standard colour.

I.5 Façade louvre in a box VBox ECO Termo l0mm with lamellas C-80 FLAT

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	
151x200	0,4	258	276	294	311	343	361	381	399	417	448	469	487	505	536	557	575	593	610
	0,6	275	294	312	331	364	383	405	424	443	476	498	516	535	568	590	609	628	647
	0,8	291	311	331	351	386	405	429	449	468	503	526	546	566	600	623	643	663	683
	1,0	308	329	350	371	407	428	452	473	494	530	554	575	596	632	656	677	698	719
	1,2	325	347	369	391	428	450	476	498	520	557	582	604	626	664	689	711	733	755
	1,4	341	365	388	411	450	473	499	522	545	584	610	634	657	696	722	745	768	791
	1,6	358	382	407	431	471	495	523	547	571	612	639	663	687	728	755	779	804	828
	1,8	375	400	425	451	493	518	546	571	597	639	667	692	718	760	788	813	839	864
	2,0	391	418	444	470	514	540	570	596	622	666	695	722	748	792	821	847	874	900
	2,2	426	454	483	512	558	587	619	647	676	723	754	783	812	858	890	919	947	976
151x250	2,4	441	471	500	530	577	606	639	669	698	745	778	807	837	884	917	946	976	1 005
	2,6	458	488	519	550	599	629	663	693	724	773	806	837	867	916	950	980	1 011	1 041
	2,8	475	506	538	569	620	651	686	718	749	800	835	866	898	948	983	1 015	1 046	1 078
	3,0	491	524	556	589	641	674	710	742	775	827	863	895	928	980	1 016	1 049	1 081	1 114
	3,2	508	542	575	609	663	696	733	767	801	854	891	925	959	1 012	1 049	1 083	1 137	1 171
	3,4	525	560	594	629	684	719	757	792	826	881	919	954	989	1 044	1 082	1 137	1 172	1 207
	3,6	541	577	613	649	706	741	780	816	852	909	948	984	1 019	1 097	1 135	1 171	1 207	1 243
	3,8	558	595	632	669	727	764	804	841	878	936	976	1 013	1 070	1 129	1 169	1 205	1 242	1 279
	4,0	575	613	651	689	748	786	827	865	903	963	1 004	1 063	1 101	1 160	1 201	1 240	1 277	1 315



Please note: controls (remote controls, switches) are not included in the price of the blinds.

Price includes:

- Blind package with C-80 Flat slats in standard colour.
- Top rail hangers in number depending on width.
- Vbox base + Vbox work slides in standard colour.
- Vbox in a RAL colour from the standard collection.
- Motor ELERO JA Soft lub napęd manual.

Internal and external render carrier in standard colour. 10 mm insulation
Guide rail distance 10 mm

I.6 Façade louvre in a boxVBox ECO Termo 30mm with lamellas C-80 FLAT

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	
151x200		0,4	262	280	299	317	349	367	389	407	425	457	479	497	515	547	569	587	605	624
		0,6	281	300	320	339	372	392	414	434	453	487	509	528	548	581	604	623	642	662
		0,8	300	320	340	361	396	416	440	460	481	516	539	560	580	615	639	659	680	700
		1,0	318	340	361	383	420	441	466	487	509	545	570	591	613	649	674	695	717	739
		1,2	337	360	382	405	443	465	491	514	536	575	600	623	645	683	709	731	754	777
		1,4	356	380	403	427	466	490	517	540	564	604	630	654	678	717	744	768	791	815
		1,6	375	400	424	449	490	515	543	567	592	633	661	685	710	751	779	804	829	853
		1,8	394	419	445	471	514	539	568	594	620	662	691	717	743	785	814	840	866	892
		2,0	412	439	466	493	537	564	594	621	648	692	721	748	775	819	849	876	903	930
		2,2	448	478	507	536	583	613	645	674	704	750	783	812	842	889	921	950	980	1 009
151x250		2,4	466	496	526	556	604	634	667	697	727	775	809	839	869	917	950	980	1 010	1 040
		2,6	485	516	547	578	628	659	693	724	755	805	839	870	901	951	985	1 016	1 047	1 079
		2,8	504	536	568	600	651	683	719	751	783	834	870	902	934	985	1 020	1 052	1 085	1 117
		3,0	522	555	589	622	675	708	744	777	811	864	900	933	966	1 019	1 055	1 089	1 122	1 155
		3,2	541	575	610	644	698	733	770	804	839	893	930	965	999	1 053	1 090	1 125	1 180	1 214
		3,4	560	595	630	666	722	757	795	831	866	922	960	996	1 031	1 087	1 125	1 181	1 217	1 252
		3,6	579	615	651	688	745	782	821	858	894	951	991	1 027	1 064	1 142	1 181	1 218	1 254	1 290
		3,8	597	635	672	710	769	806	847	884	922	981	1 021	1 059	1 117	1 176	1 216	1 254	1 291	1 329
		4,0	616	655	693	732	792	831	872	911	950	1 010	1 052	1 111	1 150	1 210	1 251	1 290	1 329	1 367



- Price includes:
- Blind package with C-80 Flat slats in standard colour: Internal and external render carrier in standard colour: 30 mm
 - Top rail hangers in number depending on width. insulation
 - Vbox base + Vbox work slides in standard colour: Guide rail distance30 mm
 - Vbox in a RAL colour from the standard collection
 - Motor ELERO JA Soft lub napéd manual.
- Please note: controls (remote controls, switches) are not included in the price of the blinds.

I.7 Façade louvre in VBox ECO box with C-80 slats

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
151x250	0,4	256	274	292	311	334	353	375	394	413	436	458	477	495	519	541	560	578	597
	0,6	268	287	307	326	351	370	394	413	433	458	481	500	520	545	568	588	607	627
	0,8	280	301	321	342	368	388	413	433	453	480	504	525	545	571	595	616	636	657
	1,0	293	314	336	357	385	406	431	452	474	501	527	548	570	597	622	644	665	686
	1,2	305	328	350	372	401	423	450	472	495	523	550	572	595	624	649	672	694	717
151x300	1,4	318	341	364	388	418	441	468	492	515	545	572	596	619	649	676	700	723	746
	1,6	330	355	378	403	435	459	487	511	536	567	595	620	644	676	704	728	752	776
	1,8	346	371	396	422	455	480	509	534	560	593	622	647	672	706	735	760	785	810
	2,0	366	395	424	452	490	519	551	580	609	646	679	707	736	773	806	834	863	892
	2,2	379	408	438	468	506	536	570	600	629	667	701	731	761	799	833	862	892	922
151x350	2,4	390	420	451	481	521	551	585	615	646	686	720	750	780	820	854	885	915	945
	2,6	410	441	472	503	545	575	611	642	673	714	750	781	812	853	888	920	951	982
	2,8	430	465	499	534	579	614	654	688	723	768	807	842	876	922	961	996	1 031	1 065
	3,0	442	478	514	550	596	632	672	708	744	790	830	866	901	948	988	1 024	1 070	1 106
	3,2	455	491	528	565	612	649	690	727	764	812	853	890	926	974	1 015	1 062	1 099	1 135
151x400	3,4	471	508	545	584	633	671	713	750	788	837	879	917	955	1 004	1 056	1 094	1 132	1 169
	3,6	491	532	573	615	667	709	755	796	837	890	936	977	1 029	1 082	1 127	1 169	1 210	1 251
	3,8	503	545	588	630	684	726	773	815	857	912	959	1 011	1 053	1 108	1 155	1 197	1 239	1 281

- Price includes:
- Blind package with C-80 slats in standard colour: External render carrier in standard colour.
 - Top rail hangers in number depending on width.
 - Vbox base + Vbox work slides in standard colour.
 - Vbox in a RAL colour from the standard collection.
 - Motor ELERO JA Soft lub napéd manual.



Please note: controls (remote controls, switches) are not included in the price of the blinds.

I.8 Venetian blind in a boxVBox ECO Termo 10mm with lamellas C-80

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	
Height	0,4	264	286	307	329	355	376	402	423	445	471	496	518	539	565	591	612	634	655
	0,6	277	299	321	344	372	394	420	443	465	493	519	541	564	592	618	640	663	685
	0,8	289	312	336	359	389	411	439	462	486	515	542	565	589	619	645	669	692	715
	1,0	302	326	350	375	405	430	458	482	506	537	565	590	614	647	673	697	721	745
	1,2	315	340	365	390	422	447	476	502	527	560	588	613	639	675	702	727	752	777
	1,4	327	353	379	405	440	466	495	521	547	584	613	638	664	702	731	756	782	808
	1,6	340	366	394	420	459	486	515	542	569	608	637	664	691	730	759	786	813	840
	1,8	369	399	429	459	502	532	565	595	625	668	700	730	760	803	836	866	896	926
	2,0	383	414	445	476	520	550	584	615	646	690	723	754	785	829	862	893	924	955
	2,2	398	430	461	493	539	570	605	636	668	713	748	779	811	857	891	923	954	986
151x300	2,4	412	444	476	509	555	587	622	655	687	733	768	800	833	880	914	946	979	1 011
	2,6	444	479	515	550	602	637	675	711	746	798	836	872	907	959	997	1 032	1 068	1 103
151x350	2,8	458	494	530	567	620	656	695	731	767	820	859	895	931	984	1 023	1 060	1 096	1 132
	3,0	472	510	547	584	638	675	715	753	790	844	884	921	958	1 012	1 052	1 089	1 127	1 165
151x400	3,2	487	525	563	601	657	695	736	774	812	868	908	946	985	1 040	1 081	1 118	1 175	1 213
	3,4	517	558	600	641	700	741	785	827	868	927	971	1 012	1 054	1 113	1 156	1 216	1 258	1 300
	3,6	531	573	615	657	718	760	805	847	889	949	994	1 036	1 078	1 157	1 202	1 244	1 286	1 328
	3,8	545	589	632	675	736	779	825	868	911	973	1 019	1 061	1 123	1 185	1 230	1 274	1 316	1 360

Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in number depending on width.
- Vbox base + Vbox work slides in standard colour.
- Vbox in a RAL colour from the standard collection.
- Motor ELERO JA Soft lub napę manual.

Internal and external render carrier in standard colour: 10 mm

insulation

Guide rail distance 10 mm



Please note: controls (remote controls, switches) are not included in the price of the blind

I.9 Facade louvre in a boxVBox ECO Termo 30mm with lamellas C-80

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	
Height	0,4	271	295	319	342	377	401	427	451	475	509	536	560	583	618	644	668	692	715
	0,6	289	313	338	363	398	423	451	475	500	536	564	588	613	649	676	701	726	750
	0,8	306	331	357	383	420	446	474	500	525	563	591	617	643	680	708	734	760	785
	1,0	323	350	376	403	442	468	498	524	551	590	619	646	672	711	740	767	794	820
	1,2	340	368	395	423	463	491	521	549	576	616	647	675	702	742	773	800	828	856
	1,4	358	386	415	443	485	514	545	573	602	643	675	703	732	773	805	833	862	890
	1,6	375	405	434	464	506	536	568	598	628	670	703	732	762	805	837	866	896	925
	1,8	408	441	474	507	554	587	622	655	688	735	771	804	837	884	920	953	985	1 019
	2,0	425	459	492	526	574	608	645	679	713	760	797	831	865	913	950	983	1 017	1 051
	2,2	442	477	512	547	596	631	668	703	738	787	825	860	895	944	982	1 016	1 051	1 086
151x350	2,4	458	494	529	565	615	651	689	725	760	810	849	884	920	970	1 008	1 044	1 079	1 115
	2,6	494	533	572	610	666	705	747	786	825	880	922	961	1 000	1 056	1 097	1 136	1 175	1 214
	2,8	510	550	590	630	687	726	769	809	849	905	948	988	1 028	1 085	1 127	1 167	1 207	1 246
151x400	3,0	528	569	609	650	708	749	793	834	874	932	976	1 017	1 057	1 116	1 159	1 200	1 240	1 281
	3,2	545	587	629	670	730	772	816	858	900	960	1 004	1 045	1 087	1 147	1 191	1 233	1 294	1 336
	3,4	578	623	668	714	777	822	870	915	961	1 024	1 072	1 117	1 163	1 226	1 274	1 338	1 384	1 429
	3,6	595	641	687	733	798	844	893	939	985	1 050	1 098	1 144	1 190	1 275	1 323	1 369	1 415	1 461
151x450	3,8	612	659	706	753	820	866	916	963	1 010	1 076	1 126	1 173	1 239	1 305	1 355	1 402	1 449	1 496

Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in number depending on width.
- Vbox base + Vbox work slides in standard colour.
- Vbox in a RAL colour from the standard collection.
- Motor ELERO JA Soft lub napę manual.

Internal and external render carrier in standard colour: 30 mm

insulation

Guide rail distance 30 mm

Please note: controls (remote controls, switches) are not included in the price of the blinds



I.10 Venetian blind in VBox ECO box with Z-90 slats

Box	Height	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
151x250	0,4	255	274	292	310	333	351	373	391	410	433	455	473	491	515	537	555	573	591
	0,6	269	288	308	327	353	372	395	414	433	459	482	501	521	546	570	589	608	627
	0,8	282	302	322	342	369	389	413	433	453	480	504	524	544	571	595	615	635	655
	1,0	296	317	338	359	388	410	435	455	477	506	531	552	573	602	627	649	670	691
151x300	1,2	308	330	352	374	405	426	452	474	496	527	553	575	596	627	653	675	697	719
	1,4	322	345	368	391	424	447	474	497	520	553	580	603	626	659	686	709	731	755
	1,6	334	358	382	405	440	464	492	515	539	574	601	625	649	683	711	735	759	782
	1,8	348	373	398	423	460	484	514	538	563	600	629	654	679	715	744	769	794	818
151x350	2,0	372	400	429	457	497	526	558	586	615	655	687	716	744	785	817	845	873	901
	2,2	386	415	445	474	517	546	580	609	639	681	714	744	773	816	849	879	908	938
	2,4	398	429	459	489	533	563	597	627	658	702	736	766	796	840	875	905	935	965
	2,6	412	444	475	506	552	584	620	651	682	728	764	796	827	873	909	940	972	1 003
151x400	2,8	440	474	509	543	594	628	667	702	737	787	826	861	895	946	985	1 020	1 055	1 089
	3,0	453	489	525	560	613	649	689	725	761	813	853	889	925	977	1 018	1 053	1 100	1 135
	3,2	465	502	539	575	629	666	707	744	780	834	875	912	948	1 002	1 043	1 090	1 127	1 163
	3,4	479	517	555	593	649	686	728	766	804	860	902	940	978	1 033	1 086	1 124	1 161	1 199
151x450	3,6	492	530	569	607	665	704	746	785	824	880	924	962	1 011	1 068	1 111	1 150	1 188	1 227
	3,8	517	559	602	644	706	748	795	837	879	941	988	1 040	1 083	1 144	1 191	1 234	1 276	1 318
	4,0	530	573	615	659	722	765	813	856	900	962	1 021	1 064	1 107	1 170	1 218	1 261	1 305	1 348
	4,2	543	588	632	676	741	785	835	879	923	989	1 048	1 092	1 137	1 201	1 251	1 295	1 339	1 384
151x500	4,4	556	601	646	691	758	803	853	898	943	1 020	1 070	1 115	1 160	1 226	1 276	1 321	1 403	1 448
	4,6	570	616	662	708	777	823	874	920	977	1 045	1 097	1 143	1 189	1 258	1 309	1 391	1 437	1 484

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in number depending on width.
- VBox base + VBox work slides in standard colour.
- VBox in a RAL colour from the standard collection.
- ELERO JA Soft motor or manual drive.

External render carrier in standard colour.

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



I.11 Venetian blind in a VBox ECO Termo 10mm box with Z-90 slats

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	
151x250	0,4	264	285	306	327	354	374	400	421	441	474	498	519	541	574	598	619	640	662
	0,6	278	300	322	345	373	395	422	444	466	498	522	544	566	601	626	648	670	692
	0,8	290	313	336	360	394	417	443	467	490	527	553	576	600	636	662	686	709	732
	1,0	305	329	352	377	413	437	464	488	512	550	577	601	625	664	690	715	739	763
	1,2	319	344	370	395	436	461	489	514	539	580	608	633	658	699	727	752	777	803
	1,4	334	360	386	412	455	480	509	535	561	604	632	658	684	726	755	781	807	833
	1,6	351	378	405	432	477	504	534	561	588	633	663	690	717	762	792	819	846	873
	1,8	366	394	422	450	496	524	555	582	610	657	687	715	743	790	820	848	875	903
	2,0	398	429	460	491	542	574	607	638	670	721	755	786	817	868	902	933	964	995
	2,2	413	445	477	508	561	593	628	660	691	744	779	811	842	895	930	962	994	1 025
151x300	2,4	430	463	496	529	584	617	653	685	719	774	810	843	875	931	966	999	1 032	1 065
	2,6	445	479	512	546	603	637	673	707	740	797	834	867	901	958	995	1 028	1 062	1 096
151x350	2,8	479	516	553	590	653	690	729	766	803	866	906	943	980	1 043	1 082	1 120	1 157	1 194
	3,0	494	532	569	607	672	710	750	788	825	890	930	968	1 006	1 070	1 110	1 148	1 186	1 223
151x400	3,2	511	550	589	628	694	733	775	814	853	920	961	1 000	1 039	1 106	1 147	1 185	1 243	1 282
	3,4	526	565	605	645	713	753	795	835	874	943	985	1 025	1 065	1 133	1 175	1 233	1 273	1 313
151x450	3,6	543	584	624	665	736	777	820	861	902	972	1 016	1 057	1 097	1 187	1 230	1 271	1 312	1 353
	3,8	573	616	660	704	778	822	868	912	956	1 030	1 077	1 120	1 183	1 257	1 304	1 347	1 391	1 435
	4,0	589	634	679	724	801	846	893	938	983	1 060	1 107	1 171	1 215	1 292	1 340	1 385	1 430	1 475
	4,2	605	650	695	741	820	865	914	959	1 005	1 084	1 150	1 196	1 241	1 320	1 368	1 414	1 459	1 660
	4,4	621	668	715	761	843	890	939	985	1 032	1 113	1 181	1 228	1 274	1 355	1 405	1 451	1 652	1 699
	4,6	636	684	731	779	861	909	959	1 007	1 054	1 155	1 205	1 252	1 300	1 383	1 433	1 634	1 681	1 729

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in number depending on width.
- VBox base + VBox work slides in standard colour.
- VBox in a RAL colour from the standard collection.
- ELERO JA Soft motor or manual drive.

Internal and external render carrier in standard colour. 10 mm insulation
Guide rail distance 10 mm

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



I.12 Venetian blind in VBox ECO Termo 30mm box with Z-90 slats

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	
151x250	0,4	274	298	322	346	382	406	433	457	481	517	544	568	592	628	654	678	702	726
	0,6	292	317	341	366	404	429	456	481	506	544	571	596	621	658	686	711	735	760
	0,8	312	338	364	390	430	456	485	510	536	577	605	631	657	698	726	752	778	804
	1,0	330	356	383	410	452	479	508	535	561	603	633	660	686	728	758	785	811	838
	1,2	349	377	405	433	477	505	536	564	592	636	667	695	723	767	798	826	854	882
	1,4	367	396	425	453	499	528	559	588	617	663	695	723	752	798	830	858	887	916
	1,6	387	417	447	476	525	555	588	617	647	696	729	759	789	837	870	900	930	960
	1,8	405	435	466	496	547	578	611	642	672	723	756	787	818	868	901	932	963	993
	2,0	439	474	508	542	597	632	669	703	737	792	829	864	898	953	990	1 024	1 058	1 093
	2,2	457	492	527	562	619	654	692	727	762	819	857	892	927	984	1 021	1 056	1 091	1 126
151x300	2,4	477	513	549	585	645	681	720	756	793	852	891	927	963	1 023	1 062	1 098	1 134	1 170
	2,6	495	532	569	606	667	704	744	780	817	879	918	955	992	1 054	1 093	1 130	1 167	1 204
151x350	2,8	532	572	613	654	721	761	805	845	886	953	996	1 037	1 077	1 145	1 188	1 229	1 269	1 310
	3,0	550	591	632	674	743	784	828	870	911	980	1 024	1 065	1 107	1 176	1 220	1 261	1 302	1 343
151x350	3,2	570	612	655	697	769	811	856	899	941	1 013	1 058	1 101	1 143	1 215	1 260	1 302	1 364	1 407
	3,4	587	631	674	717	790	834	880	923	966	1 040	1 086	1 129	1 172	1 246	1 291	1 354	1 397	1 440
151x350	3,6	607	651	696	740	816	861	908	952	997	1 073	1 120	1 164	1 208	1 304	1 351	1 395	1 440	1 484
	3,8	640	688	735	783	863	910	960	1 008	1 056	1 136	1 186	1 233	1 300	1 380	1 431	1 478	1 526	1 574
151x400	4,0	660	708	757	806	888	937	989	1 038	1 086	1 169	1 220	1 288	1 337	1 419	1 471	1 520	1 569	1 617
	4,2	678	727	777	826	910	960	1 012	1 062	1 111	1 196	1 267	1 317	1 366	1 450	1 502	1 552	1 602	1 797
151x400	4,4	697	748	799	850	936	987	1 040	1 091	1 142	1 228	1 301	1 352	1 403	1 489	1 543	1 594	1 788	1 839
	4,6	715	767	818	870	958	1 010	1 064	1 115	1 166	1 275	1 329	1 380	1 432	1 520	1 574	1 770	1 821	1 873



Internal and external render carrier in standard colour. 30 mm insulation
Guide rail distance 30 mm

- Price includes:
- Blind package with Z-90 slats in standard colour.
 - Top rail hangers in number depending on width.
 - Vbox base + Vbox work slides in standard colour.
 - Vbox in a RAL colour from the standard collection.
 - ELERO JA Soft motor or manual drive.

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

I.13 Facade louvre in VBox with C-80 slats

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	
151x250	0,4	269	288	308	327	352	372	395	415	434	459	482	502	521	546	570	589	608	628
	0,6	282	303	323	344	370	390	415	435	455	482	506	527	547	574	598	619	639	660
	0,8	295	317	338	360	387	409	435	456	477	505	530	552	573	601	627	648	670	691
	1,0	308	331	353	375	405	427	454	476	499	528	555	577	600	629	655	678	700	723
	1,2	321	345	368	392	422	446	473	497	520	551	579	602	626	656	684	707	731	754
	1,4	335	359	383	408	440	464	493	518	542	574	603	627	652	684	712	737	761	786
	1,6	348	373	398	424	458	483	513	538	564	597	627	652	678	711	741	766	792	817
	1,8	365	391	417	444	479	505	536	562	589	624	655	681	708	743	773	800	826	853
	2,0	386	416	446	476	515	546	580	610	640	680	714	744	775	814	848	878	909	939
	2,2	399	430	461	492	533	564	600	631	662	703	738	769	801	841	877	908	939	970
151x300	2,4	411	443	475	506	548	580	616	648	680	722	758	790	821	863	899	931	963	995
	2,6	431	464	497	530	573	605	643	676	709	752	789	822	855	898	935	968	1 001	1 034
151x350	2,8	452	489	525	562	610	646	688	724	761	808	850	886	923	970	1 012	1 048	1 085	1 121
	3,0	466	503	541	578	627	665	707	745	783	831	874	911	949	998	1 040	1 078	1 126	1 164
151x400	3,2	479	517	556	594	645	683	727	765	804	855	898	936	975	1 025	1 069	1 118	1 157	1 195
	3,4	495	535	574	614	666	706	750	790	830	881	925	965	1 005	1 057	1 112	1 152	1 191	1 231
151x450	3,6	516	560	603	647	703	746	794	838	881	937	985	1 028	1 083	1 139	1 187	1 230	1 273	1 317
	3,8	530	574	619	663	720	765	814	858	903	960	1 009	1 064	1 109	1 166	1 215	1 260	1 304	1 348
151x450	4,0	550	595	641	686	745	790	841	886	931	990	1 051	1 097	1 142	1 201	1 251	1 296	1 342	1 387
	4,2	563	610	656	702	763	809	860	907	953	1 013	1 075	1 121	1 168	1 228	1 280	1 326	1 372	1 419
151x500	4,4	585	634	685	735	799	849	905	955	1 005	1 080	1 136	1 186	1 236	1 300	1 356	1 406	1 495	1 545
	4,6	597	649	700	751	817	868	925	976	1 037	1 103	1 160	1 211	1 262	1 328	1 385	1 474	1 525	1 576
151x500	4,8	615	667	719	771	838	890	948	1 011	1 063	1 130	1 188	1 240	1 292	1 360	1 455	1 507	1 559	1 611
	5,0	628	681	734	787	856	909	967	1 031	1 085	1 153	1 212	1 265	1 318	1 425	1 484	1 537	1 590	1 643



VBox

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

- Price includes:
- Blind package with C-80 slats in standard colour.
 - Top rail hangers in number depending on width.
 - Vbox base + Vbox work slides in standard colour.
 - Vbox in a RAL colour from the standard collection.
 - ELERO JA Soft motor or manual drive.

I.14 Facade louvre in a VBox Termo 10mm box 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
151x250	0,4	278	300	323	345	372	395	421	444	466	494	520	543	565	593	620	642	664	686
	0,6	291	314	338	361	390	414	441	464	488	517	545	568	591	620	648	671	695	718
	0,8	304	328	353	377	408	432	461	485	510	540	569	593	617	649	676	701	725	750
	1,0	317	343	368	393	426	451	481	506	531	563	593	619	644	678	706	731	756	781
	1,2	330	357	383	409	443	469	500	526	553	588	617	643	670	707	736	762	788	814
151x300	1,4	343	371	398	426	462	489	520	547	574	613	643	670	697	736	766	793	820	847
	1,6	357	385	414	442	482	510	541	569	597	638	669	697	725	766	796	825	852	880
	1,8	387	419	450	481	526	557	591	623	654	699	733	764	795	840	875	906	937	968
	2,0	403	435	467	500	546	578	613	645	678	724	759	791	823	870	905	937	969	1 001
	2,2	418	451	485	518	565	599	635	668	701	749	785	818	851	899	935	968	1 001	1 035
151x350	2,4	432	466	500	534	582	616	653	687	721	770	806	840	874	923	959	993	1 027	1 061
	2,6	465	502	540	577	630	668	708	745	782	836	875	913	950	1 004	1 044	1 081	1 118	1 155
	2,8	480	519	557	595	650	688	729	767	805	860	901	940	978	1 033	1 074	1 112	1 150	1 188
	3,0	496	535	574	613	670	709	750	790	829	885	927	966	1 005	1 062	1 104	1 143	1 183	1 224
	3,2	511	551	591	631	689	729	772	812	852	910	953	993	1 033	1 091	1 134	1 174	1 233	1 273
151x400	3,4	541	585	628	672	733	777	823	866	910	971	1 017	1 061	1 104	1 166	1 212	1 274	1 318	1 361
	3,6	557	601	645	690	753	797	844	889	933	996	1 043	1 088	1 132	1 214	1 261	1 305	1 350	1 394
	3,8	572	617	663	708	772	818	866	911	957	1 021	1 069	1 114	1 179	1 243	1 291	1 336	1 382	1 427
	4,0	605	654	703	751	819	868	920	968	1 017	1 085	1 136	1 204	1 252	1 320	1 372	1 420	1 469	1 518
	4,2	621	670	720	770	839	889	941	991	1 040	1 110	1 181	1 230	1 280	1 350	1 402	1 452	1 501	1 706
151x450	4,4	636	686	737	788	859	909	962	1 013	1 064	1 135	1 207	1 257	1 308	1 379	1 432	1 483	1 689	1 739
	4,6	651	703	754	806	878	930	984	1 035	1 087	1 178	1 233	1 284	1 336	1 408	1 462	1 669	1 721	1 772
	4,8	682	737	791	846	922	977	1 035	1 090	1 163	1 239	1 297	1 352	1 407	1 483	1 696	1 750	1 805	1 860
	5,0	697	753	809	865	942	998	1 056	1 112	1 187	1 264	1 323	1 379	1 434	1 667	1 726	1 782	1 838	1 893

Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in number depending on width.
- Vbox base + Vbox work slides in standard colour.
- Vbox in a RAL colour from the standard collection.
- ELERO JA Soft motor or manual drive.

Internal and external render carrier in standard colour 10

mm insulation

Guide rail distance 10 mm



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

I.15 Facade louvre in a VBox Termo 30mm box with C-80 slats

Box	Height	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
151x250	0,4	285	309	334	359	395	419	447	472	496	532	560	585	609	645	673	697	722	747
	0,6	303	328	354	380	417	443	471	497	523	560	589	615	640	678	706	732	758	783
	0,8	320	347	374	401	440	466	496	523	549	588	618	645	671	710	740	766	793	820
	1,0	338	366	394	422	462	490	520	548	576	616	647	675	702	743	773	801	829	857
151x300	1,2	356	385	414	443	484	513	545	574	602	644	676	705	734	775	807	836	865	893
	1,4	374	404	434	464	507	537	570	599	629	672	705	735	765	808	840	870	900	930
	1,6	392	423	454	485	529	560	594	625	656	700	734	765	796	840	874	905	936	966
	1,8	426	460	495	529	578	612	649	684	718	766	804	838	872	921	958	993	1 027	1 061
151x350	2,0	444	479	515	550	600	635	674	709	745	795	833	868	904	954	992	1 027	1 063	1 098
	2,2	462	498	535	571	623	659	698	735	771	823	862	898	935	986	1 025	1 062	1 098	1 135
	2,4	479	516	553	590	643	680	720	757	794	846	886	924	961	1 013	1 053	1 090	1 127	1 165
	2,6	515	556	596	637	695	735	779	820	860	918	961	1 002	1 043	1 101	1 144	1 185	1 225	1 266
151x400	2,8	533	575	616	658	717	759	804	845	887	946	990	1 032	1 074	1 133	1 178	1 219	1 261	1 302
	3,0	551	594	636	679	740	782	828	871	913	974	1 020	1 062	1 105	1 166	1 211	1 254	1 296	1 339
	3,2	569	613	656	700	762	806	853	896	940	1 002	1 049	1 092	1 136	1 198	1 245	1 289	1 352	1 395
	3,4	603	650	697	744	810	858	908	955	1 002	1 068	1 119	1 166	1 213	1 279	1 329	1 396	1 443	1 490
151x450	3,6	621	669	717	765	833	881	932	980	1 029	1 096	1 148	1 196	1 244	1 331	1 382	1 431	1 479	1 527
	3,8	639	688	737	786	855	905	957	1 006	1 055	1 125	1 177	1 226	1 295	1 364	1 416	1 465	1 515	1 564
	4,0	675	728	781	834	907	960	1 015	1 068	1 121	1 194	1 249	1 322	1 375	1 448	1 503	1 556	1 609	1 661
	4,2	694	747	801	855	929	983	1 040	1 094	1 147	1 222	1 298	1 352	1 406	1 480	1 537	1 590	1 644	1 861
151x500	4,4	711	766	821	876	952	1 006	1 064	1 119	1 174	1 250	1 327	1 382	1 437	1 513	1 570	1 625	1 843	1 898
	4,6	730	785	841	897	974	1 030	1 089	1 145	1 200	1 298	1 356	1 412	1 468	1 545	1 604	1 823	1 879	1 934
	4,8	763	822	882	941	1 023	1 082	1 144	1 203	1 282	1 364	1 426	1 485	1 545	1 626	1 851	1 910	1 970	2 029
	5,0	781	841	902	962	1 045	1 105	1 169	1 229	1 309	1 392	1 455	1 515	1 576	1 821	1 885	1 945	2 005	2 066

Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in number depending on width.
- Vbox base + Vbox work slides in standard colour.
- Vbox in a RAL colour from the standard collection.
- ELERO JA Soft motor or manual drive.

Internal and external render carrier in standard colour 30

mm insulation

Guide rail distance 30 mm



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

I.16 Facade louvre in VBox box with Z-90 slats

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	
151x250	Height																		
	0,4	269	288	307	326	351	370	393	412	431	456	479	498	517	542	565	584	603	622
	0,6	283	304	324	344	371	391	416	436	456	483	508	528	548	575	600	620	640	660
	0,8	296	318	339	360	388	409	435	455	476	505	530	551	573	601	626	647	668	689
	1,0	311	333	355	378	409	431	457	479	502	532	559	581	603	634	660	683	705	728
	1,2	324	347	370	393	426	449	476	499	522	554	582	605	628	660	688	710	734	756
	1,4	339	363	388	411	446	470	499	523	547	582	610	634	659	693	722	746	770	795
	1,6	352	377	402	427	463	489	518	542	568	604	633	658	683	719	748	774	799	823
	1,8	367	393	419	445	484	510	540	567	593	631	662	688	714	752	783	809	835	861
	2,0	392	421	451	481	524	553	587	617	647	689	723	754	783	826	860	890	919	949
151x300	2,2	406	437	468	499	544	575	610	641	672	717	752	783	814	859	894	925	956	987
	2,4	419	451	483	515	561	593	629	660	692	739	775	806	838	885	921	953	984	1 016
151x350	2,6	434	467	500	533	581	614	652	685	718	766	804	838	870	919	956	990	1 023	1 056
	2,8	463	499	536	572	625	661	703	739	776	829	870	906	943	995	1 037	1 074	1 110	1 147
151x350	3,0	477	515	553	590	645	683	725	763	801	856	898	936	974	1 029	1 071	1 109	1 158	1 195
	3,2	490	529	567	605	662	701	744	783	821	878	921	960	998	1 055	1 098	1 147	1 186	1 225
151x350	3,4	505	545	584	624	683	722	767	807	846	905	950	989	1 029	1 088	1 143	1 183	1 223	1 262
	3,6	518	558	599	639	700	740	786	826	867	927	972	1 013	1 064	1 124	1 170	1 210	1 251	1 291
151x400	3,8	544	589	634	678	743	787	836	881	925	990	1 040	1 095	1 140	1 205	1 254	1 299	1 343	1 388
	4,0	558	603	648	694	760	805	856	901	947	1 013	1 075	1 120	1 165	1 232	1 282	1 328	1 373	1 419
151x400	4,2	572	619	665	712	780	827	879	925	972	1 040	1 103	1 150	1 196	1 265	1 317	1 363	1 410	1 456
	4,4	585	633	680	727	798	845	898	945	992	1 073	1 126	1 173	1 221	1 291	1 344	1 391	1 477	1 524
151x450	4,6	600	648	697	746	818	866	920	969	1 028	1 100	1 155	1 203	1 251	1 324	1 378	1 464	1 513	1 562
	4,8	628	680	733	785	861	913	971	1 034	1 086	1 163	1 220	1 272	1 324	1 401	1 496	1 549	1 601	1 653
151x450	5,0	643	696	749	803	882	935	994	1 058	1 111	1 190	1 248	1 302	1 355	1 472	1 530	1 584	1 637	1 691



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

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in number depending on width.
- Vbox base + Vbox work slides in standard colour.
- Vbox in a RAL colour from the standard collection.
- ELERO JA Soft motor or manual drive.

I.17 Facade louvre in a VBox Termo 10mm box with Z-90 slats

Box	Height	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
151x250	0,4	278	300	322	343	371	393	419	441	463	497	522	544	567	601	626	648	671	693
	0,6	292	315	339	362	392	415	442	465	489	522	548	571	594	630	656	679	702	725
	0,8	305	329	353	377	414	438	465	490	514	552	579	604	628	666	694	718	742	767
	1,0	320	345	370	395	434	459	487	512	537	577	605	630	655	695	724	749	774	799
	1,2	335	362	388	414	457	483	512	539	565	608	637	663	690	732	761	788	814	840
151x300	1,4	351	378	405	433	477	504	534	561	588	633	663	690	717	761	791	818	845	873
	1,6	369	397	425	454	500	529	560	588	617	663	695	723	751	798	829	857	886	914
	1,8	385	414	443	472	520	550	581	610	640	688	720	749	778	827	859	888	917	946
	2,0	417	450	483	515	569	601	637	669	702	755	791	823	856	909	945	977	1 010	1 043
	2,2	433	467	500	533	589	622	658	692	725	780	816	850	883	938	975	1 008	1 041	1 075
151x350	2,4	451	485	520	555	612	647	684	719	753	811	848	883	917	975	1 012	1 047	1 082	1 116
	2,6	466	502	537	573	632	667	706	741	776	836	874	909	945	1 004	1 042	1 078	1 113	1 149
	2,8	502	541	580	619	684	723	765	803	842	908	949	988	1 027	1 093	1 134	1 173	1 212	1 251
	3,0	518	557	597	637	704	744	786	826	865	933	975	1 015	1 055	1 122	1 164	1 204	1 244	1 283
	3,2	535	576	617	658	727	768	812	853	894	963	1 007	1 048	1 089	1 158	1 202	1 243	1 303	1 343
151x400	3,4	551	593	634	676	747	789	833	875	917	988	1 033	1 074	1 116	1 187	1 232	1 292	1 334	1 376
	3,6	569	611	654	697	771	814	859	902	945	1 019	1 065	1 107	1 150	1 243	1 289	1 331	1 374	1 417
	3,8	600	646	692	738	815	861	910	956	1 002	1 080	1 129	1 175	1 240	1 317	1 366	1 412	1 458	1 504
	4,0	617	664	711	759	839	886	936	983	1 030	1 111	1 161	1 227	1 274	1 354	1 404	1 451	1 498	1 545
	4,2	633	681	729	777	859	907	958	1 005	1 054	1 136	1 205	1 253	1 301	1 383	1 434	1 482	1 530	1 733
151x450	4,4	650	700	749	798	882	932	984	1 033	1 082	1 166	1 237	1 286	1 335	1 420	1 472	1 521	1 725	1 775
	4,6	666	716	766	816	902	952	1 005	1 055	1 105	1 210	1 263	1 313	1 363	1 449	1 502	1 707	1 757	1 807
	4,8	702	755	809	862	953	1 007	1 063	1 116	1 189	1 280	1 336	1 390	1 443	1 534	1 746	1 799	1 853	1 906
	5,0	718	772	826	880	973	1 028	1 085	1 139	1 212	1 305	1 362	1 416	1 470	1 719	1 775	1 830	1 884	1 938



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

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in number depending on width.
- Vbox base + Vbox work slides in standard colour.
- Vbox in a RAL colour from the standard collection.
- ELERO JA Soft motor or manual drive.

Internal and external render carrier in standard colour 10 mm insulation
Guide rail distance 10 mm

I.18 Facade louvre in a VBox Termo 30mm box with Z-90 slats

Skrzynka	Width															
	0,6		0,8		1		1,2		1,4		1,6		1,8		2	
	0,4	0,6	0,8	1,0	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4
Height																
151x250		288	313	338	363	400	425	453	478	503	540	568	593	618	655	683
		306	332	358	384	423	449	478	503	529	568	597	623	649	688	717
		327	354	381	408	450	477	507	534	561	603	632	660	687	728	758
		345	373	401	429	473	500	531	559	587	631	661	689	717	761	792
		366	395	424	453	499	528	560	590	619	665	697	726	755	801	833
		384	414	444	474	522	552	585	615	645	693	726	756	785	834	866
		405	436	467	498	549	580	614	645	676	727	761	792	824	874	908
		423	455	487	519	572	604	639	671	703	755	790	822	854	906	941
		459	495	531	567	624	660	699	734	770	828	866	902	938	995	1 034
		478	515	551	588	647	684	723	760	796	856	895	932	968	1 028	1 067
		498	536	574	612	674	711	752	790	828	890	930	968	1 006	1 068	1 109
		517	555	594	633	697	735	777	815	854	918	960	998	1 037	1 101	1 142
		555	598	640	683	753	795	840	883	925	995	1 041	1 083	1 126	1 196	1 241
		574	617	660	704	776	819	865	908	952	1 024	1 070	1 113	1 156	1 228	1 274
		595	639	683	728	802	847	894	939	983	1 058	1 105	1 150	1 194	1 269	1 316
		613	658	704	749	825	871	919	964	1 010	1 086	1 134	1 179	1 225	1 301	1 349
		633	680	726	773	852	899	948	995	1 041	1 120	1 170	1 216	1 263	1 361	1 411
		668	718	767	817	901	950	1 003	1 053	1 103	1 186	1 239	1 289	1 359	1 442	1 495
		688	739	790	841	927	978	1 032	1 084	1 135	1 220	1 275	1 345	1 396	1 482	1 536
		707	759	810	863	950	1 002	1 057	1 109	1 161	1 249	1 323	1 375	1 427	1 515	1 570
		727	780	833	887	977	1 030	1 086	1 139	1 193	1 283	1 359	1 412	1 465	1 555	1 611
		746	800	854	908	1 000	1 054	1 111	1 165	1 219	1 331	1 388	1 442	1 496	1 588	1 645
		785	842	900	958	1 055	1 113	1 174	1 231	1 309	1 406	1 467	1 525	1 582	1 679	1 903
		803	862	920	979	1 078	1 137	1 198	1 257	1 335	1 434	1 496	1 554	1 613	1 875	1 936
151x450																
151x400																
151x350																
151x300																
151x250																



Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in number depending on width.
- Vbox base + Vbox work slides in standard colour.
- Vbox in a RAL colour from the standard collection.
- ELERO JA Soft motor or manual drive.

Internal and external render carrier in standard colour 30 mm insulation
Guide rail distance 30 mm

Please note: controls (remote controls, switches) are not included in the price of the blinds.

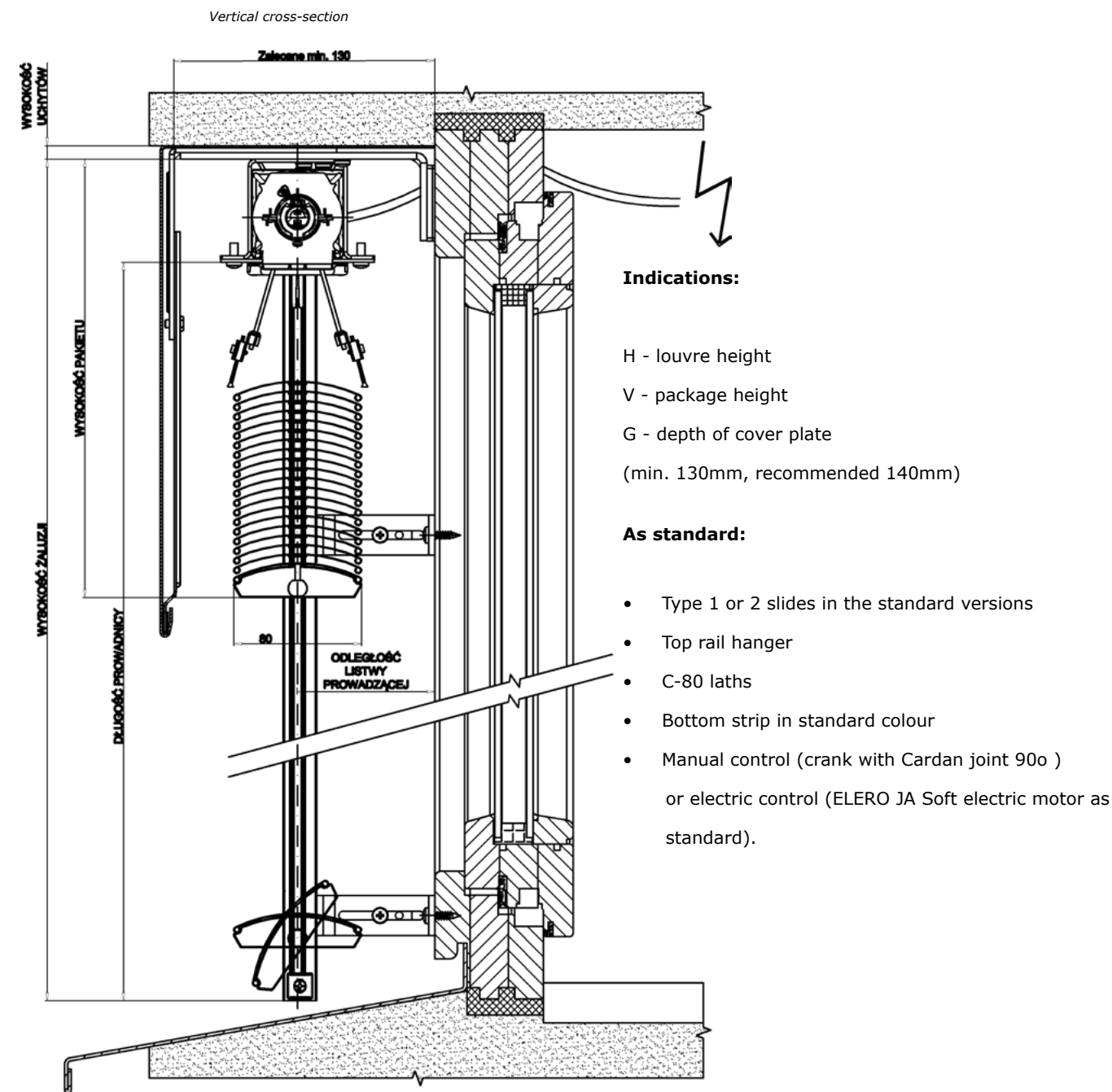
Surcharges for VBox and VBox Termo facade blinds

Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9/10 Nm	18 Nm	20 Nm
ELERO	JA SOFT	x		x					Included in the price			
	JA COMFORT		x	x	x	x			72	65	-	-
	JA COMFORT 868		x	x	x	x	x		113	107	-	-
	JA 10 NHK	x						x	-	748	-	-
GEIGER	GJ56	x							4	22	-	-
SOMFY	J4 WT		x						31	48	67	-
	J4 WT PROTECT		x		x				44	64	83	-
	J4 IO PROTECT		x		x	x			202	276	171	-

Surcharges for blinds in VBoxes	
VBox blind in colour DB703 plus 5% to the price list	
Ladder and ribbon	Price
Colour grey	Included in the price
Black colour	7,90€ per blind
Pins	Price
PVC	Included in the price
Steel	5,70€/rm louvre height
Individual system components	
Standard colour	
C-80 slats, C-80 FLAT slats, Z-90 slats	Included in the price
VBox	
Vbox base and working slides (slide)	
Bottom slat	
Guide rail distance 10 mm	6,20€/rm
Guide rail distance 30 mm	12,10€/rm
External plaster carrier 20 mm	4€/rm
Internal plaster carrier 10 mm	4€/rm
Internal plaster carrier 30 mm	7,10€/rm
Internal plaster carrier 10 mm (only for Vbox Eco)	1€/rm
Internal plaster support 30 mm (only for Vbox Eco)	3,10€/rm
The above system components in extra	individual pricing

VBox

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



Technical information

Minimum width (mm)	Maximum height (mm)	Maximum width (mm)	Maximum area	
			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 blinds

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 pairs of handles	0,4	160	165	170	180	185	190	202	212	217	222	239	244	249	254	271	276	281	291
	0,6	167	173	179	191	197	202	215	227	233	239	258	264	270	275	294	300	306	318
	0,8	175	181	188	201	208	215	229	242	249	256	276	283	290	297	317	324	331	344
	1	181	189	197	212	220	227	243	257	265	273	295	303	311	319	340	348	356	371
3 pairs of handles	1,2	188	197	206	222	231	240	256	272	281	290	313	322	331	340	363	372	381	397
	1,4	195	205	215	233	243	252	270	287	297	307	332	341	351	361	386	396	406	423
	1,6	203	214	225	243	254	265	283	302	313	324	350	361	372	383	409	420	430	450
	1,8	217	229	241	261	273	285	304	325	337	348	375	388	400	411	439	451	463	484
4 pairs of handles	2	224	237	250	272	285	298	317	340	353	365	394	407	420	433	462	475	488	510
	2,2	231	245	259	282	296	310	331	354	368	382	413	426	440	455	485	499		
	2,4	237	251	266	291	305	320	341	366	380	395	426	441	456	470				
	2,6	244	259	275	301	317	332	355	381	396	412	445	461	476					
	2,8	252	269	285	313	330	346	370	397	414	430	465	482						
	3	259	277	294	324	341	359	383	412	430	447	484							
	3,2	267	285	303	334	353	371	397	427	446	464								
	3,4	273	293	313	344	364	383	410	442	462									
	3,6	280	301	322	355	375	396	424	457	478									
	3,8	288	309	331	365	387	409	437	472										
	4	295	317	340	376	399	421	451	487										

Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in number depending on width.
- Type 1 or 2 guides in standard colours or cable guide.
- Wire bracket U1 (for blinds with wire guide).
- Guide rail brackets Type L1 or L2 or L3 in standard colour: (in the version with guides) in an amount depending on the height.
- Hand crank drive.

Price not included:

- Cover sheets
- Sides of cover sheets



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	205	210	216	229	235	239	252	265	270	276	297	302	307	312	333	338	343	356				
	0,6	213	219	225	240	246	252	267	281	287	293	315	321	328	334	356	362	369	383				
	0,8	220	228	235	251	258	265	280	296	303	310	334	341	349	355	379	386	393	409				
	1	228	236	245	262	270	278	294	311	320	328	353	361	369	377	402	410	418	436				
	1,2	236	245	254	273	282	291	308	327	335	345	371	380	390	399	425	434	444	462				
	1,4	243	254	263	283	294	304	322	342	352	362	390	400	410	420	448	458	468	489				
	1,6	251	262	273	295	306	317	335	357	368	380	409	420	431	442	471	482	494	515				
	1,8	266	278	290	313	325	337	357	380	392	404	435	447	459	471	502	514	526	550				
	2	273	287	300	324	337	350	371	395	409	422	454	467	480	493	525	538	551	576				
	2,2	281	295	309	335	349	363	385	411	425	438	472	486	500	514	548	562	576	602				
Height	2,4	288	302	317	344	359	373	395	423	437	452	487	502	516	531	566	580	631	659				
	2,6	295	311	327	355	371	386	410	438	454	469	506	521	537	552	589	641	656	685				
	2,8	304	320	337	367	384	400	424	455	471	488	526	542	559	575	650	666	683	713				
	3	311	329	347	378	395	413	438	470	487	505	545	562	579	633	673	690	707	739				
	3,2	319	338	356	389	408	426	452	485	504	522	563	581	636	655	696	714	733	765				
	3,4	327	346	365	400	420	439	466	500	520	540	582	638	657	676	719	738	757	792				
	3,6	334	355	375	411	431	452	480	516	536	557	637	657	678	698	742	762	783	819				
	3,8	342	363	384	422	443	465	494	531	552	610	655	677	699	720	765	786	807	845				
	4	349	372	394	433	455	477	508	547	569	628	675	697	719	741	788	810	833	871				



- **Price includes:**

• Blind package with C-80 slats in standard colour.

• Top rail hangers in number depending on width.

• Type 1 or 2 guides in standard colours or cable guide.

• Wire bracket U1 (for blinds with wire guide).

• Guide brackets Type L1 or L2 or L3 (for blinds with guides) in quantity depending on height.

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

• Cover sheets

• Sides of cover sheets
- **Please note: Included in the price of the blinds controls (remote controls, switches) are not included.**

Surcharges for facade blinds C-80

Surcharge for self-supporting system (We take the total area of the blinds including the package for pricing). Maximum louvre width 2400 mm.	+ 65€/m²
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Ladder and ribbon	Price
Colour grey	Included in the price
Black colour	7,90€ per blind
Pins	Price
PVC	Included in the price
Steel	5,70€/rm louvre height
Standard colour slide	Price
Type 1 or Type 2	Included in the price
„Type PT (2-piece set)“	16,20€/rm
Type D2	6,90€/rm
„Vbox (base + working)“	18,80€/rm
Self-supporting type	13,30€/rm
Wire guidance	Included in the price

Surcharges for facade blinds C-80

Guide 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)	8,30€/piece
Type T2 (171-295 mm)	11,40€/piece
Type PT1 (20-78 mm)	Included in the price
Type PT2 (55-124 mm)	
Type PT3 (104-174 mm)	
Type S1 (56-80 mm)	5,50€
Type S2 (81-125 mm)	6,70€
Wire handle in standard colour	Price
U1 (49-70 mm)	Included in the price
U2 (70-130 mm)	0,50€/piece
U3 (90-165 mm)	0,50€/piece
U4 (120-200 mm)	0,70€/piece
Tensioning bracket (floor) with cable tensioner	2,60€/set
Angle connector in standard colour	Price
External (70-80mm)	10,70€/piece
External (80-100mm)	13,10€/piece
External (100-140mm)	30,20€/piece
Internal (45-58mm)	24,80€/piece
Internal (58-76mm)	25,20€/piece
Internal (76-117mm)	28,30€/piece
Connecting profile (40x40x3) (compulsory when using connectors for C-80 blinds)	18,30€/rm
The above system components in extra color	individual pricing

Package amount and price list for C-80 facade blinds

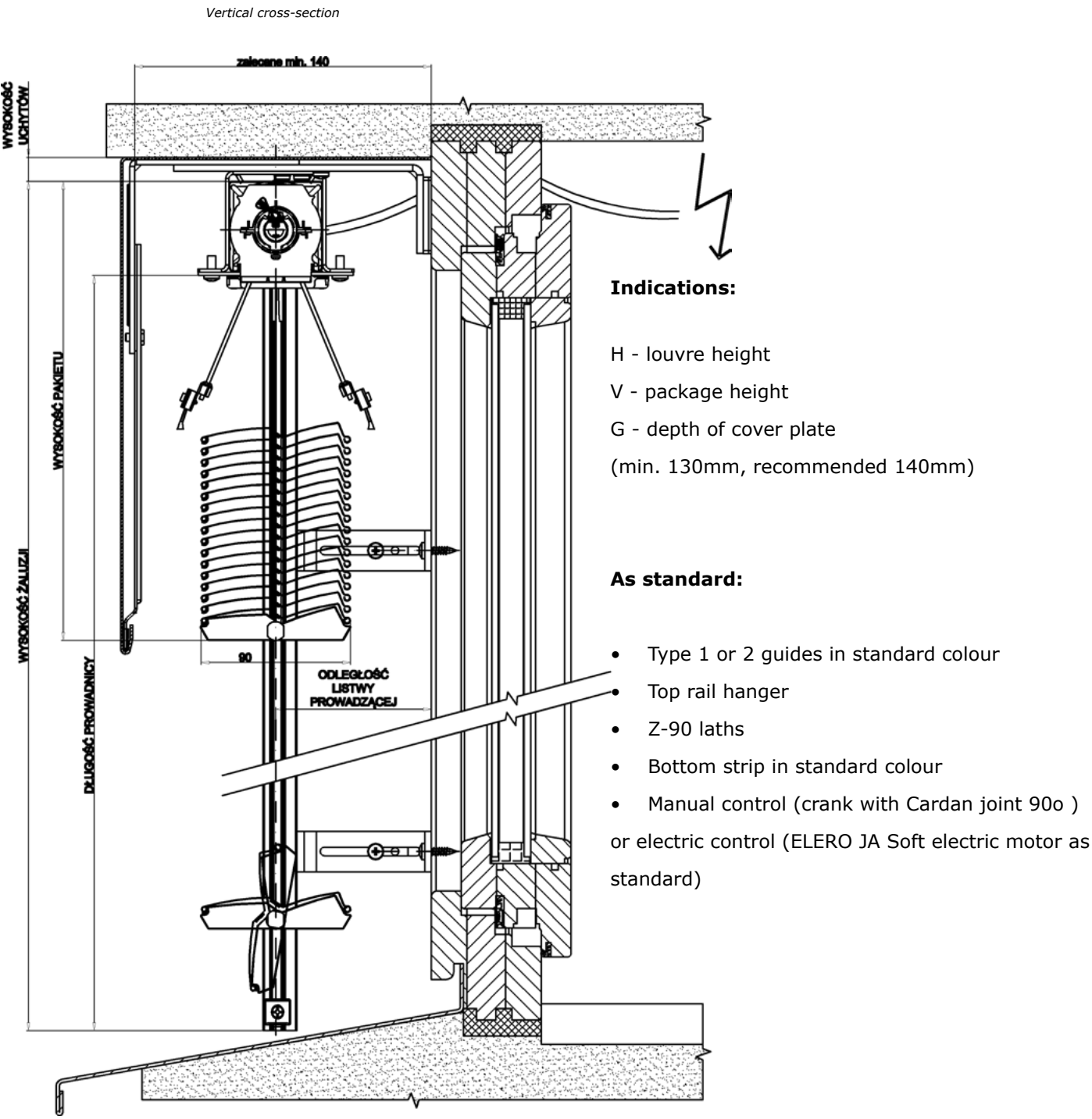
Shutter height (mm)	Package height		Price of sheets painted on one side	101€/m²
	Manual control (mm)	Electric control (mm)	Price of sheets painted on both sides	124,80€/m²
Do 500	130	150	To calculate the price of the cover sheet, multiply its surface area and the width of the blind (according to the 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		

Typ 0	Typ 1A	Typ 1B
A+0,04	A+B+0,02	A+B+D
Typ 3A	Typ 3B	Typ 3C
2xA+B+0,08	2xA+B+D+0,06	2xA+B+C+D+0,04
Typ 3AC	Typ 2	Sides
2xA+B+C+0,06	A+B+0,04	AxB

Dimension	Suggested dimensions
Cover plate width	Blind width
Dimension A	Shutter package height +35 mm
Dimension B	Recommended depth of the cover plate for a given lamella type
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 slats



Technical information

Minimum width (mm)	Maximum height (mm)	Maximum width (mm)	Maximum area	
			Manual control	Electrical 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 bearings	2	3	4	5

3.1 Net price list for Z-90 manually operated blinds

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 pairs of handles	0,4	160	165	170	175	185	190	203	207	218	223	235	239	250	255	267	272	282	287
	0,6	169	175	181	187	199	206	219	225	237	244	257	263	275	281	295	301	313	320
	0,8	175	183	189	196	210	217	231	238	252	259	273	280	294	301	315	322	336	343
	1	184	192	200	209	224	232	248	256	272	280	295	304	320	328	343	351	367	375
	1,2	190	199	209	218	235	244	260	269	287	296	312	321	338	348	364	373	390	399
	1,4	199	209	219	230	249	259	277	287	306	317	334	345	364	374	392	402	421	432
	1,6	205	217	228	239	259	271	289	300	321	332	351	362	382	394	412	423	444	455
	1,8	220	233	246	259	280	293	313	325	348	360	380	393	415	427	447	460	482	495
	2	227	241	254	267	291	305	325	339	363	376	396	410	434	447	468	481	505	518
	2,2	235	250	265	280	305	320	342	356	382	397	419	434	459	474	496	510		
3 pairs of handles	2,4	242	258	273	289	316	332	354	370	397	412	435	451	478	493				
	2,6	250	267	284	301	330	347	371	387	416	434	457	474	503					
4 pairs of handles	2,8	259	276	294	311	342	360	384	402	432	450	475	493						
	3	267	285	305	324	356	375	401	420	452	471	497							
	3,2	273	293	313	333	366	386	413	433	467	487								
	3,4	281	303	324	345	380	401	430	451	486									
	3,6	288	310	332	354	391	413	442	464	501									
	3,8	296	320	343	366	405	428	459	482										
	4	303	327	351	375	416	440	471	495										

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in number depending on width.
- Type 1 or 2 guides in standard colours or cable guide.
- Wire bracket U1 (for blinds with wire guide).
- Guide handles Type L1 or L2 or L3 in standard colour (in the version with guides) in an amount depending on the height.
- Hand crank drive.

Price not included:

- Cover sheets
- Sides of cover sheets



3.2 Net price list for electrically operated Z-90 blinds

Height		Width														
		2 hangers					3 hangers					4 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
2 pairs of handles		0,4	216	221	226	231	241	246	258	263	278	290	295	306	311	323
		0,6	225	230	237	243	255	262	275	281	299	313	319	331	337	350
		0,8	231	238	245	252	266	273	287	294	315	329	336	350	357	371
		1	239	248	256	264	280	288	304	312	336	351	360	375	383	399
		1,2	246	255	264	274	291	300	316	325	351	368	377	394	403	419
		1,4	254	265	275	285	304	315	333	343	372	390	400	419	430	447
		1,6	261	272	284	295	315	326	345	356	388	406	417	438	449	468
		1,8	276	289	301	314	336	349	369	381	416	436	448	471	483	503
3 handles		2	283	296	310	323	347	360	381	395	432	452	466	490	503	523
		2,2	291	306	321	335	361	375	398	412	453	474	489	515	530	551
		2,4	298	314	329	345	372	387	410	426	468	491	506	534	549	572
		2,6	306	323	340	357	385	402	427	443	489	513	530	559	576	600
		2,8	314	332	350	367	398	415	440	458	506	531	548	579	597	660
		3	322	341	360	380	412	430	457	476	527	553	572	604	662	739
		3,2	329	349	369	388	422	442	469	489	542	570	590	661	708	728
		3,4	337	358	380	400	436	457	485	506	557	592	651	687	708	736
		3,6	344	366	388	410	447	469	498	520	577	646	669	705	728	757
		3,8	352	375	399	422	461	484	514	538	638	669	692	731	754	785
4 pairs of handles		4	359	383	407	431	471	496	527	551	654	685	709	750	774	805

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in number depending on width.
- Type 1 or 2 guides in standard colours or cable guide.
- Wire bracket U1 (for blinds with wire guide).
- Guide brackets Type L1 or L2 or L3 (for blinds with guides) in quantity depending on height.
- ELERO JA Soft motor.

Price not included:

- Cover sheets
- Sides of cover sheets

Please note: Included in the price of the blinds controls (remote controls, switches) are not included.



Surcharges for facade blinds Z-90

Surcharge for self-supporting system (We take the total area of the blinds including the package for pricing). Maximum louvre width 2400 mm.	+ 65€/m²
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Ladder and ribbon	Price
Colour grey	Included in the price
Black colour	7,90€ per blind
Pins	Price
PVC	Included in the price
Steel	5,70€/rm louvre height
Standard colour slide	Price
Type 1 or type 2	Included in the price
Type PT (2-piece set)	16,20€/rm
Type D2	6,90€/rm
Vbox (base + working)	18,80€/rm
Self-supporting type	13,30€/rm
Wire guidance	Included in the price

Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9/10 Nm
ELERO	JA SOFT	x		x					w cenie	
	JA COMFORT		x	x	x	x			72	65
	JA COMFORT 868		x	x	x	x	x		113	107
	JA 10 NHK	x						x	-	748
GEIGER	GJ56	x							4	22
SOMFY	J4 WT		x						31	48
	J4 WT PROTECT		x		x				44	64
	J4 IO PROTECT		x		x	x			202	276

Extra charges for Z-90 facade blinds

Guide 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)	8,30€/unit
Type T2 (171-295 mm)	11,40€/unit
Type PT1 (20-78 mm)	Included in the price
Type PT2 (55-124 mm)	
Type PT3 (104-174 mm)	
Type S1 (56-80 mm)	5,50 €
Type S2 (81-125 mm)	6,70 €
Wire handle in standard colour	Price
U1 (49-70 mm)	Included in the price
U2 (70-130 mm)	0,50€/piece
U3 (90-165 mm)	0,50€/piece
U4 (120-200 mm)	0,70€/piece
Tensioning bracket (floor) with cable tensioner	2,60€/set
Angle connector in standard colour	Price
External (70-80mm)	10,70€/unit
External (80-100mm)	13,10€/unit
External (100-140mm)	30,20€/unit
Internal (45-58mm)	24,80€/unit
Internal (58-76mm)	25,20€/unit
Internal (76-117mm)	28,30€/unit
Connecting profile (50x50x2.5) (compulsory when using connectors for Z-90 blinds)	20,20€/rm
The above system components in extra	individual pricing

Package height and price list for Z-90 curtain sheets

Shutter height (mm)	Package height	
	Manual control (mm)	Electric control (mm)
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

Price of sheets painted on one side	101€/m ²
Price of sheets painted on both sides	124,80€/m ²

To calculate the price of the cover sheet, multiply its surface area and the width of the blind (according to the formula in the table)

Typ 0	Typ 1A	Typ 1B
A+0,04	A+B+0,02	A+B+D
Typ 3A	Typ 3B	Typ 3C
2xA+B+0,08	2xA+B+D+0,06	2xA+B+C+D+0,04
Typ 3AC	Typ 2	Sides
2xA+B+C+0,06	A+B+0,04	AxB

Dimension	Suggested dimensions
Cover plate width	Blind width
Dimension A	Shutter package height +35 mm
Dimension B	Recommended depth of the cover plate for a given lamella type
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 shutters in CleverBoxes

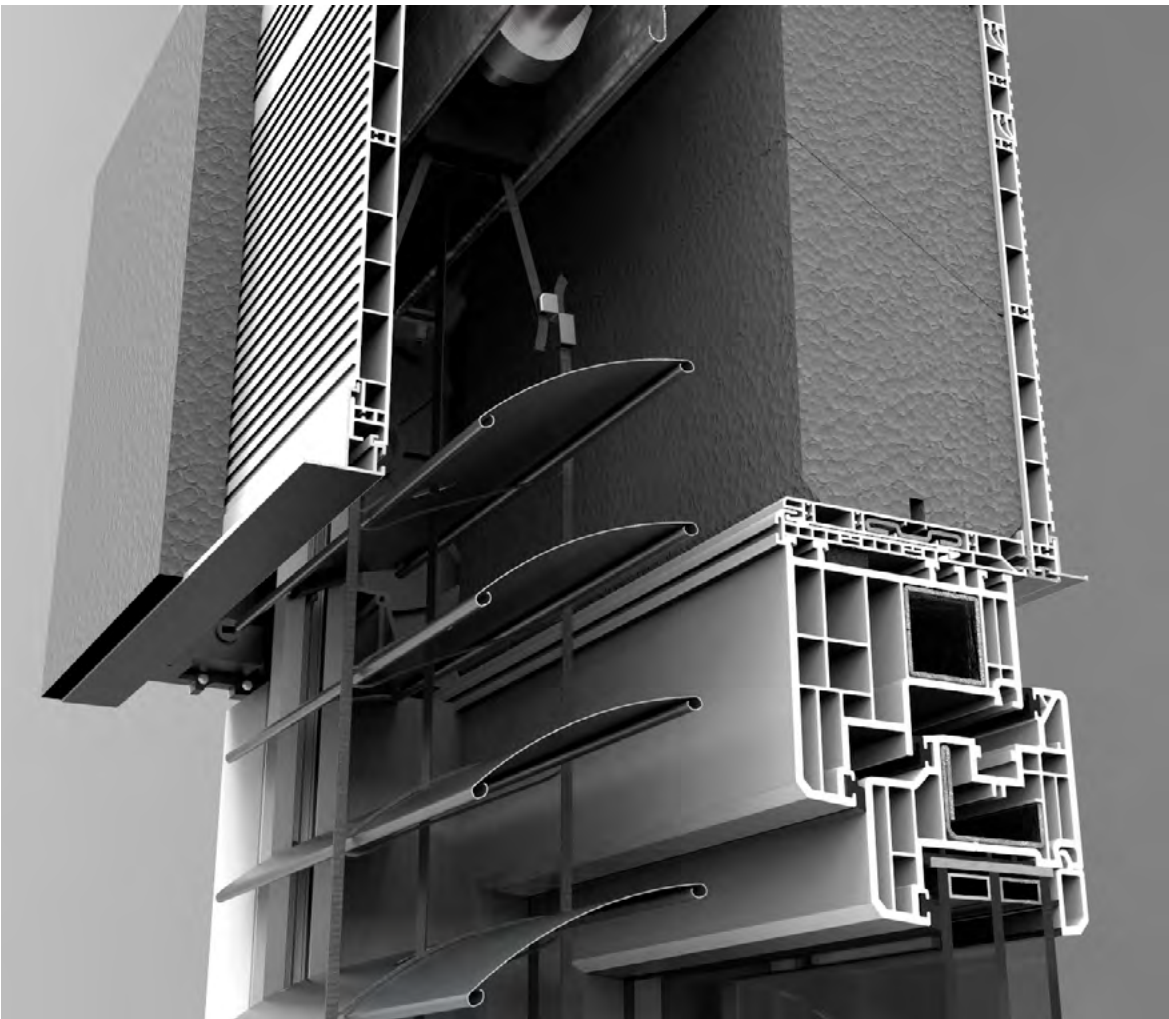
Technical information

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

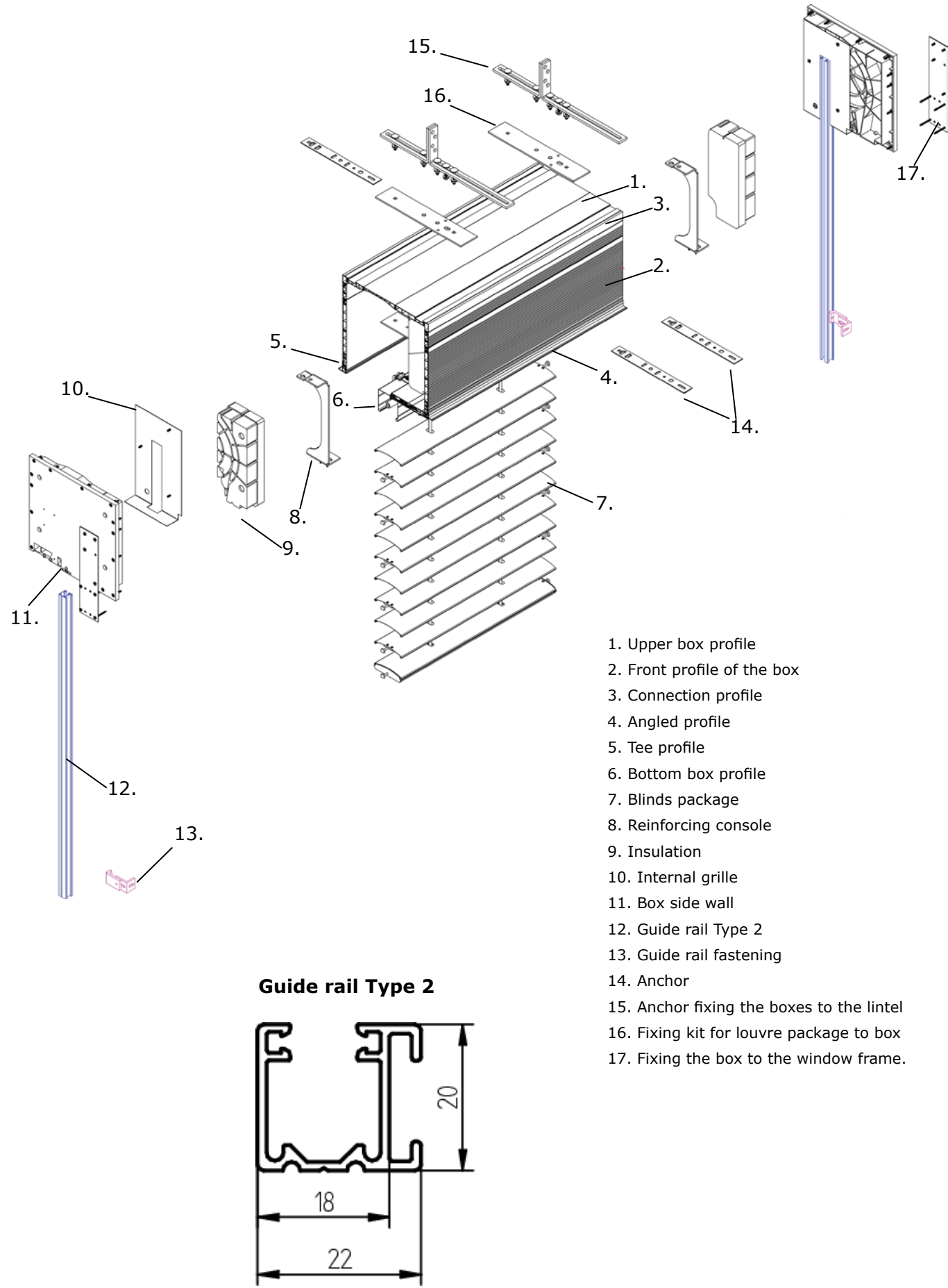
Maximum height of blinds in CleverBox 255x245

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 louvres above this height, but when retracted, not the whole package will fit in the box.



Facade blind in CleverBox box with guides Type 2



4.1 Facade shutter in CleverBox louvre box
with Type 2 manually operated slides 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 laths protrude from the box	0,4	312	330	349	367	392	411	467	485	511	529	555	604	629	648	704	723	748	766					
	0,6	320	340	359	379	406	426	484	503	531	550	577	628	655	675	732	752	779	798					
	0,8	329	349	370	391	420	441	500	521	550	571	600	651	680	701	760	781	810	830					
	1	337	359	381	403	434	457	517	539	570	591	621	675	705	728	788	810	840	862					
	1,2	345	369	392	416	448	471	534	557	589	612	644	697	730	754	815	839	871	895					
	1,4	354	378	403	428	461	487	550	574	609	634	665	721	755	780	843	869	902	927					
	1,6	362	388	414	440	476	502	566	592	628	654	688	745	781	807	871	897	933	959					
	1,8	370	397	424	452	490	518	583	610	648	675	710	768	806	833	898	926	964	991					
	2	379	407	435	464	504	533	599	627	668	696	732	791	831	860	926	955	995	1023					
	2,2	387	416	446	476	518	548	615	645	687	717	754	815	856	886	954	984							
255x245	2,4	394	424	455	485	529	559	628	658	702	732	770	832	875	906									
	2,6	402	434	465	497	542	574	644	676	721	753	793	856	900										
	2,8	410	443	476	510	556	590	661	694	741	774	815	878											
	3	419	453	487	522	570	605	677	712	760	795	836												
	3,2	427	462	498	534	584	620	694	730	780	815													
	3,4	435	472	509	546	598	635	710	747	800														
	3,6	443	481	519	558	612	650	727	765	820														
	3,8	452	491	530	570	626	665	743	783															
	4	460	500	541	582	640	681	760	800															



Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in number depending on width.
- Type 2 slides in standard colour.
- CleverBox in white.
- Hand crank drive.
- Static consoles for hangers.

Price not included:

- Additional fixing of the CleverBox to the lintel.

4.2 Facade shutter in CleverBox louvre box
with Type 2 electrically operated slides 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 laths protrude from the box	0,4	360	378	396	424	442	461	517	545	563	581	617	665	683	702	767	785	804	831					
	0,6	368	388	406	437	456	476	533	562	582	601	639	688	708	728	795	815	834	863					
	0,8	376	396	417	449	470	491	549	580	601	622	662	712	733	754	822	844	864	896					
	1	385	406	428	462	484	506	565	599	621	642	684	735	757	780	850	873	895	928					
	1,2	393	416	439	475	498	521	582	616	640	663	707	759	782	806	878	902	925	960					
255x245	1,4	401	426	450	487	511	536	598	635	660	683	729	783	807	832	906	931	955	992					
	1,6	410	435	460	500	525	551	614	653	679	704	752	806	832	858	934	960	986	1 025					
	1,8	418	445	471	513	539	566	630	671	698	725	774	830	857	884	962	989	1 016	1 056					
	2	427	455	482	525	553	581	647	689	718	745	796	854	882	910	990	1 018	1 046	1 089					
	2,2	435	464	493	537	566	596	663	707	737	766	819	877	906	936	1 018	1 047	1 077	1 121					
The box	2,4	441	471	501	547	578	608	675	721	751	781	835	895	925	955	1 039	1 069	1 145	1 191					
	2,6	450	481	512	560	591	623	691	739	771	802	858	919	950	981	1 067	1 144	1 175	1 223					
	2,8	458	491	523	573	605	638	708	757	790	822	880	942	975	1 007	1 140	1 173	1 205	1 255					
	3	466	500	534	585	619	653	724	775	810	843	903	966	1 000	1 080	1 169	1 202	1 236	1 288					
	3,2	475	510	545	598	633	668	740	794	829	864	925	990	1 070	1 105	1 196	1 231	1 266	1 320					
255x245	3,4	483	519	555	611	647	683	757	811	848	884	948	1 059	1 095	1 132	1 224	1 261	1 296	1 352					
	3,6	492	529	566	623	660	698	773	830	868	905	1 016	1 083	1 120	1 158	1 252	1 290	1 327	1 384					
	3,8	500	538	577	636	675	713	789	848	887	971	1 039	1 106	1 145	1 184	1 280	1 319	1 357	1 416					
The laths protrude from the box	4	508	548	587	649	688	728	805	866	906	992	1 061	1 130	1 170	1 210	1 308	1 348	1 387	1 448					



Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in a number depending on the width.
- Type 2 slides in standard colour.
- CleverBox in white.
- ELERO JA Soft motor.

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

Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	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			72	65
	JA COMFORT 868		x	x	x	x	x		113	107
	JA 10 NHK	x						x	-	748
GEIGER	GJ56	x							4	22
SOMFY	J4 WT		x						31	48
	J4 WT PROTECT		x		x				44	64
	J4 IO PROTECT		x		x	x			202	276

4.3 Facade shutter in CleverBox louvre box with Type 2 manually operated tracks 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 laths protrude from a box	255x245	Height	0,4	327	345	363	382	407	426	482	500	526	545	571	619	645	664	720	739	764	782
			0,6	337	356	376	396	424	444	502	522	550	570	598	649	676	696	755	775	802	822
			0,8	344	365	385	407	436	458	517	537	568	589	617	669	699	720	779	800	830	851
			1	353	376	399	421	453	476	537	559	591	614	644	697	730	753	814	836	869	890
			1,2	361	384	408	432	466	490	551	575	610	633	664	719	752	777	838	862	896	920
			1,4	370	395	420	446	482	508	571	596	633	658	691	747	783	809	873	898	935	960
			1,6	378	404	430	457	495	522	586	612	651	677	711	768	806	833	898	924	962	988
			1,8	395	422	450	479	519	547	614	641	682	710	745	805	845	873	939	967	1008	1035
			2	402	431	460	490	531	561	628	657	700	729	765	825	868	897	964	993	1035	1065
			2,2	411	442	472	504	548	579	648	679	723	754	793	854	898	930	999	1030		
The laths protrude from a box	255x245	Height	2,4	419	450	482	514	561	593	663	695	741	773	812	875	921	953				
			2,6	428	461	495	529	577	611	682	716	765	798	839	903	952					
			2,8	436	470	505	539	590	625	697	732	783	817	859	925						
			3	445	481	517	553	607	643	717	753	806	843	886							
			3,2	453	490	526	564	619	656	732	769	824	861								
			3,4	462	501	539	579	636	675	752	790	848									
			3,6	470	509	549	589	648	688	767	806	865									
			3,8	479	520	561	603	665	707	786	827										
			4	486	529	571	614	677	720	801	844										

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail brackets in number depending on the width.
- Type 2 slides in standard colour.
- CleverBox in white.
- Hand crank drive.
- Static consoles for hangers.

Price not included:

- Additional fixing of the CleverBox to the lintel.



4.4 Facade shutter in CleverBox louvre box
with Type 2 electrically operated tracks 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 laths protrude from the box	0,4	397	416	434	453	478	496	553	571	597	615	641	690	715	734	790	834	853						
	0,6	406	427	446	466	494	514	573	592	621	640	668	719	746	767	825	845	873						
	0,8	414	435	456	477	507	529	587	608	638	659	688	740	769	790	849	871	900						
	1	423	446	468	492	523	546	607	629	662	684	715	768	800	823	884	907	939						
	1,2	431	455	478	503	536	560	622	645	680	703	734	789	823	847	909	933	966						
	1,4	441	466	491	517	552	578	642	667	704	729	761	818	854	880	943	969	1 005						
	1,6	448	474	500	527	565	592	656	683	721	747	781	838	876	903	967	995	1 032						
	1,8	465	493	520	549	589	617	683	712	752	780	816	875	915	943	1 009	1 038	1 078						
	2	472	501	530	560	602	631	699	728	770	799	836	896	938	967	1 035	1 064	1 106						
	2,2	482	512	543	574	618	650	718	749	794	825	863	924	969	1 000	1 069	1 100	1 144						
255x245	2,4	489	521	552	585	631	663	733	765	811	843	883	945	992	1 024	1 094	1 126	1 172						
	2,6	498	532	565	599	648	681	753	786	835	869	910	974	1 022	1 056	1 128	1 210	1 259						
	2,8	506	540	575	610	660	695	768	802	853	887	929	995	1 045	1 080	1 201	1 236	1 287						
	3	515	551	587	624	676	713	788	823	877	913	956	1 024	1 076	1 161	1 235	1 272	1 325						
	3,2	523	560	597	635	689	727	802	839	895	931	976	1 044	1 147	1 185	1 260	1 298	1 352						
	3,4	532	571	610	649	706	745	822	861	918	956	1 003	1 121	1 178	1 218	1 294	1 334	1 391						
	3,6	540	579	619	660	718	759	837	876	936	976	1 071	1 142	1 201	1 241	1 320	1 360	1 419						
	3,8	549	590	632	674	735	777	857	898	960	1 049	1 099	1 171	1 232	1 274	1 354	1 396	1 457						
	4	557	599	642	685	748	791	871	914	977	1 068	1 118	1 192	1 255	1 298	1 379	1 422	1 485						

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in a quantity depending on the width
- Type 2 slides in the standard colour
- CleverBox in white
- ELERO JA Soft motor.

Price not included:

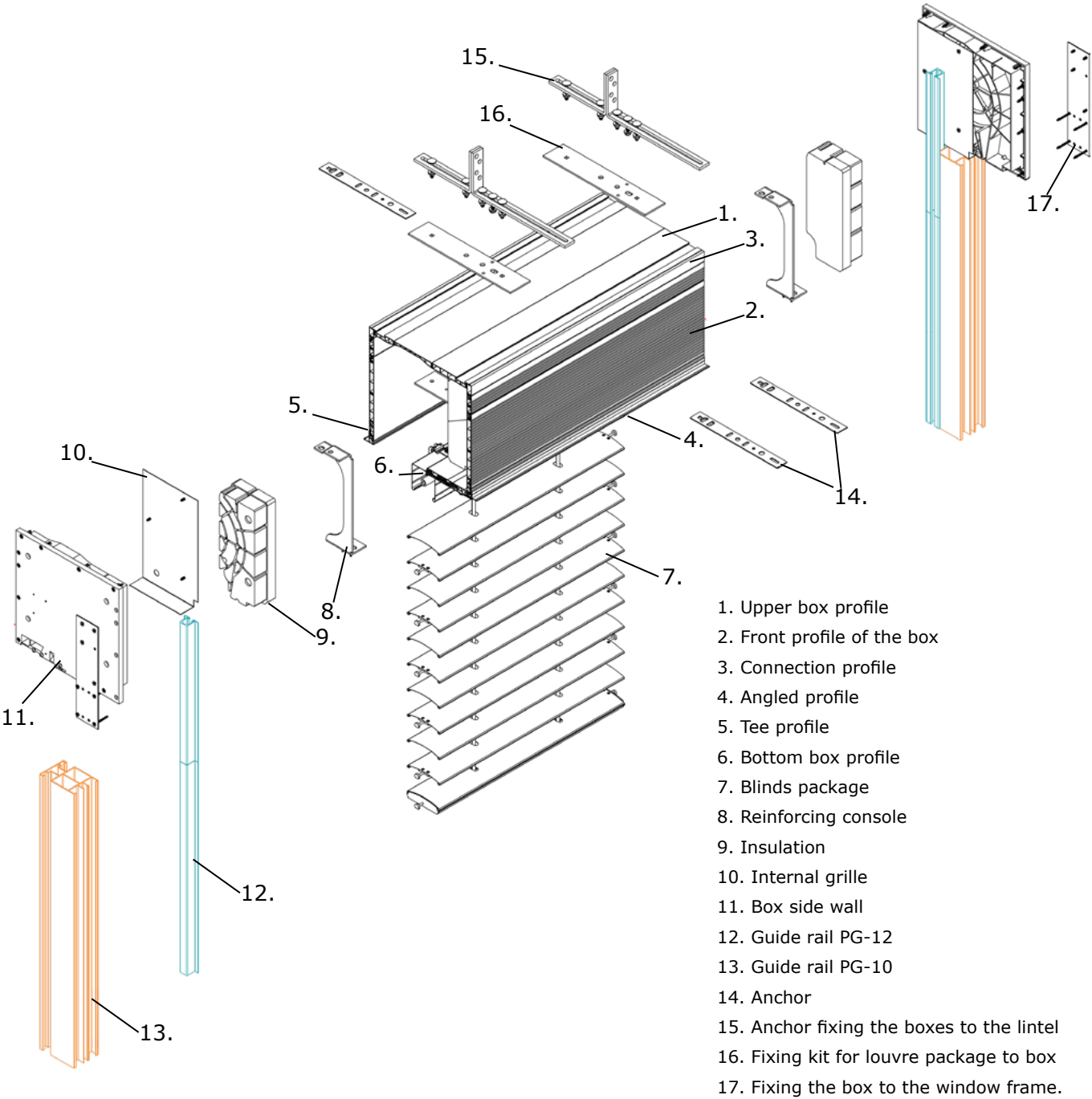
- Additional fixing of the CleverBox to the lintel.

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

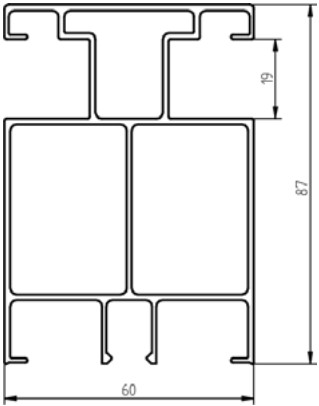


Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9 /10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			72	65
	JA COMFORT 868		x	x	x	x	x		113	107
	JA 10 NHK	x						x	-	748
GEIGER	GJ56	x							4	22
SOMFY	J4 WT		x						31	48
	J4 WT PROTECT		x		x				44	64
	J4 IO PROTECT		x		x	x			202	276

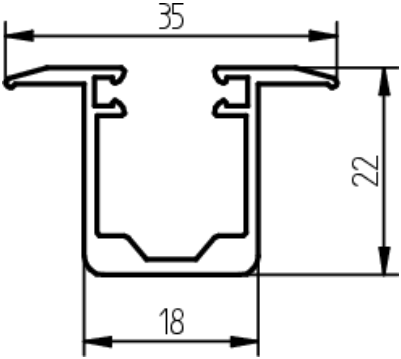
Facade shutter in CleverBox with PG 10 and PG12 guides



Guide rail PG-10



Guide rail PG-12



Guides PG-10 and PG-12 form a set.

4.5 Facade shutter in CleverBox overhead box with PG-10 + PG-12 manually operated guides 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 laths protrude from a box	0,4	332	348	365	381	403	420	471	488	504	526	578	594	610	633	685	701	717	733					
	0,6	354	371	388	406	430	447	500	518	535	560	612	630	647	671	725	742	759	777					
	0,8	375	393	412	430	456	475	529	548	566	593	647	665	684	710	764	783	801	820					
	1	396	416	435	455	483	503	558	578	598	626	681	701	721	749	804	824	844	864					
	1,2	417	438	459	480	510	531	587	608	629	659	716	736	758	787	844	865	886	907					
	1,4	438	460	483	505	536	559	616	639	661	692	750	772	795	826	884	906	928	950					
	1,6	460	483	506	530	563	586	645	669	692	725	785	808	831	865	924	947	970	994					
	1,8	481	505	530	555	590	614	675	699	724	759	819	843	868	903	963	988	1013	1037					
	2	502	528	553	579	616	642	704	730	755	792	853	879	905	942	1003	1029	1055	1081					
	2,2	523	550	577	604	643	670	733	760	786	825	888	915	942	980	1043	1070							
255x245	2,4	543	571	599	627	667	694	758	786	814	853	917	945	972	1012									
	2,6	564	593	622	651	693	722	787	816	845	887	951	980	1009										
	2,8	585	616	646	676	720	750	816	846	876	920	985	1016											
	3	607	638	670	701	746	778	845	876	908	953	1020												
	3,2	628	660	693	726	773	806	874	907	939	986													
	3,4	649	683	717	751	799	833	903	937	971														
	3,6	670	705	740	775	826	861	932	967	1002														
	3,8	691	728	764	800	853	889	961	997															
	4	713	750	788	825	879	917	990	1027															

Price includes:

Price not included:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in number depending on width.
- Guides PG-10 + PG-12 in standard colour.
- CleverBox in white.
- Hand crank drive.
- Static consoles for hangers.
- Additional fixing of the CleverBox to the lintel.



4.6 Facade shutter in CleverBox overhead box with PG-I0 + PG-I2 electrically operated guides with C-80 slats

Box	Width																	
	2 hangers						3 hangers						4 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 laths protrude from the box	0,4	375	425	441	458	480	497	548	565	581	603	655	671	687	710	761	778	810
	0,6	430	447	464	482	506	524	577	594	611	636	689	706	724	748	801	818	853
	0,8	450	469	487	506	532	551	605	624	642	668	723	741	760	786	840	859	896
	1	471	491	510	530	558	578	634	654	673	701	756	776	796	824	879	899	939
	1,2	492	513	534	555	584	605	662	683	704	734	790	811	832	862	919	940	982
	1,4	512	535	557	579	610	633	690	713	735	766	824	846	869	900	958	980	1 024
	1,6	533	556	580	603	636	660	719	743	766	799	858	881	905	938	997	1 020	1 067
	1,8	554	578	603	628	662	687	747	772	797	832	892	916	941	976	1 036	1 061	1 110
	2	574	600	626	652	689	715	776	802	827	864	925	951	977	1 014	1 075	1 101	1 153
	2,2	595	622	649	676	715	742	804	831	858	897	959	986	1 014	1 052	1 115	1 142	1 196
255x245	2,4	614	642	670	698	738	765	829	857	885	925	988	1 016	1 044	1 084	1 147	1 175	1 234
	2,6	635	664	693	722	764	793	857	887	916	957	1 022	1 051	1 080	1 121	1 186	1 246	1 304
	2,8	655	686	716	746	790	820	886	916	946	990	1 056	1 086	1 116	1 160	1 256	1 286	1 347
	3	676	708	739	770	815	847	914	946	977	1 022	1 090	1 121	1 183	1 229	1 295	1 327	1 390
	3,2	697	730	762	795	842	875	943	976	1 008	1 055	1 123	1 156	1 220	1 267	1 335	1 367	1 433
	3,4	717	751	785	819	868	902	971	1 005	1 039	1 088	1 157	1 222	1 256	1 305	1 374	1 408	1 476
	3,6	738	773	808	843	894	929	1 000	1 035	1 070	1 120	1 222	1 257	1 292	1 343	1 413	1 448	1 519
	3,8	759	795	831	868	920	956	1 028	1 064	1 101	1 184	1 256	1 292	1 328	1 380	1 453	1 489	1 561
The laths protrude from the box	4	780	817	854	892	946	984	1 056	1 094	1 132	1 216	1 290	1 327	1 365	1 419	1 492	1 529	1 605



Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in a number depending on the width.
- Type 2 slides in standard colour.
- CleverBox in white.
- ELERO JA Soft...

Price not included:

- Additional fixing of the CleverBox to the lintel.

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

Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	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			72	65
	JA COMFORT 868		x	x	x	x	x		113	107
	JA 10 NHK	x						x	-	748
GEIGER	GJ56	x							4	22
SOMFY	J4 WT		x						31	48
	J4 WT PROTECT		x		x				44	64
	J4 IO PROTECT		x		x	x			202	276

4.7 Facade shutter in CleverBox overhead box with PG-10 + PG-12 manually operated guides 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	
255x245	0,4	335	351	366	381	405	420	475	490	505	529	583	599	614	637	691	707	722	738
	0,6	359	375	392	409	435	452	508	525	541	567	623	640	657	683	739	756	772	789
	0,8	380	398	415	433	461	479	536	554	571	599	656	674	692	720	777	795	812	830
	1	403	422	441	461	491	510	569	589	608	638	697	716	735	765	824	843	863	882
	1,2	424	445	465	485	517	538	597	618	638	670	730	750	770	803	862	882	903	923
	1,4	447	469	491	513	548	569	630	652	674	709	770	791	814	848	909	931	953	975
	1,6	469	491	514	537	574	597	658	681	704	741	803	826	849	885	947	970	993	1016
	1,8	492	516	540	565	604	628	692	716	740	780	843	867	892	931	995	1019	1043	1068
	2	513	538	563	589	630	655	720	745	770	812	876	901	927	968	1032	1058	1083	1108
	2,2	536	563	590	616	660	687	753	780	806	850	916	943	970	1014	1080	1107		
The laths protrude from a box	2,4	557	585	613	641	686	714	781	809	836	883	950	977	1005	1051				
	2,6	581	610	639	668	717	746	814	844	873	921	990	1019	1048					
	2,8	602	632	662	692	743	773	843	873	903	953	1023	1053						
	3	625	657	688	720	773	805	875	907	939	992	1063							
	3,2	646	679	711	744	799	832	904	937	969	1024								
	3,4	670	704	738	772	830	864	937	971	1005									
	3,6	691	726	761	796	856	891	965	1000	1035									
	3,8	714	750	787	824	886	923	998	1035										
4	735	773	810	848	912	950	1026	1064											

Price includes:

- Blind package with Z-90 slats in standard colour.
 - Top rail brackets in a quantity depending on the width
 - Guide rails PG-10 + PG-12 in standard colour
 - CleverBox in white
 - Hand crank drive
 - Static hanger consoles
- Price not included:
- Additional fixing of the CleverBox to the lintel.



4.8 Facade shutter in CleverBox overhead box with PG-10 + PG-12 electrically operated guides 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	
The laths protrude from the box	0,4	387	437	452	468	491	506	561	576	592	615	670	685	700	723	778	793	809	824
	0,6	444	461	478	495	520	537	594	610	627	653	709	726	743	768	825	841	858	875
	0,8	465	483	500	518	546	564	621	639	657	684	741	759	777	805	862	880	898	916
	1	487	507	526	545	576	595	654	673	692	723	781	800	820	850	909	928	947	967
	1,2	508	529	549	569	601	622	681	702	722	754	814	834	854	887	946	966	987	1 007
	1,4	531	552	574	596	631	653	714	736	757	792	853	875	897	932	993	1 015	1 036	1 058
	1,6	552	574	597	620	657	680	741	764	787	824	886	909	931	968	1 030	1 053	1 076	1 099
	1,8	574	598	622	647	686	710	774	798	822	862	925	950	974	1 014	1 077	1 101	1 125	1 150
	2	595	620	645	670	712	737	801	827	852	894	958	983	1 009	1 050	1 115	1 140	1 165	1 190
	2,2	617	644	671	697	741	768	834	861	888	932	998	1 024	1 051	1 095	1 161	1 188	1 215	1 241
255x245	2,4	638	666	693	721	767	795	862	890	917	963	1 030	1 058	1 086	1 132	1 199	1 226	1 285	1 313
	2,6	660	690	719	748	797	826	895	924	953	1 001	1 070	1 099	1 128	1 177	1 245	1 305	1 335	1 364
	2,8	681	711	741	772	822	853	922	952	982	1 033	1 102	1 132	1 163	1 213	1 314	1 344	1 374	1 404
	3	704	735	767	799	852	884	954	986	1 018	1 071	1 142	1 174	1 236	1 289	1 360	1 392	1 424	1 455
	3,2	725	757	790	823	878	910	982	1 015	1 047	1 103	1 174	1 207	1 271	1 326	1 398	1 430	1 463	1 496
	3,4	747	781	815	850	907	942	1 015	1 049	1 083	1 141	1 214	1 279	1 313	1 371	1 444	1 479	1 513	1 547
	3,6	768	803	838	873	933	968	1 042	1 077	1 113	1 172	1 278	1 313	1 348	1 407	1 482	1 517	1 552	1 587
	3,8	790	827	864	900	963	999	1 075	1 111	1 148	1 241	1 317	1 354	1 390	1 453	1 528	1 565	1 602	1 638
	4	811	849	886	924	988	1 026	1 103	1 140	1 178	1 273	1 350	1 387	1 425	1 489	1 566	1 603	1 641	1 679

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in a quantity depending on the width
- Type 2 slides in the standard colour
- CleverBox in white
- ELERO JA Soft motor.

Price not included:

- Additional fixing of the CleverBox to the lintel.

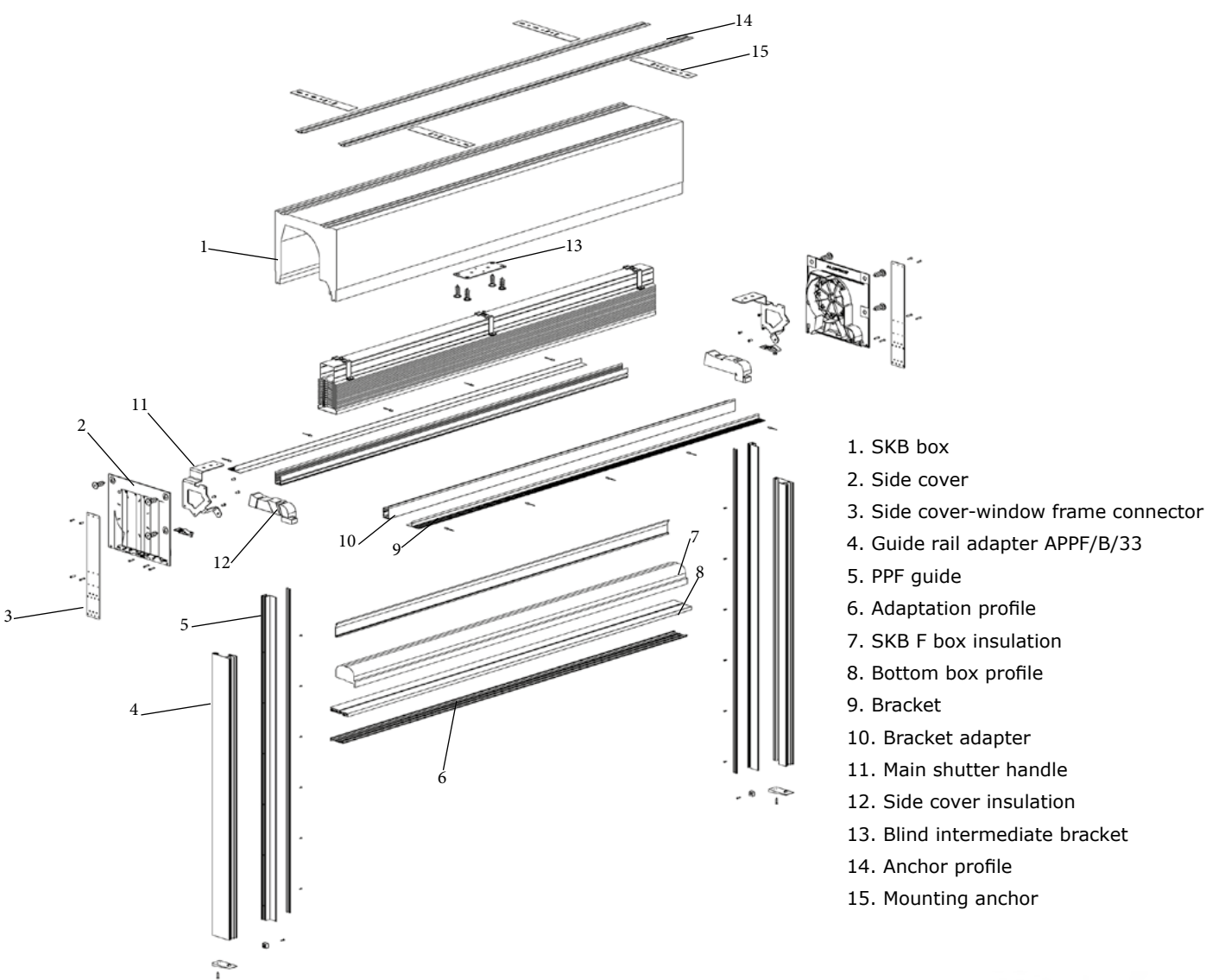


Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	Automatic end position correction	Radio receiver	Emergency system opening NHH	6 Nm	9 /10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			72	65
	JA COMFORT 868		x	x	x	x	x		113	107
	JA 10 NHH	x						x	-	748
GEIGER	GJ56	x							4	22
SOMFY	J4 WT		x						31	48
	J4 WT PROTECT		x		x				44	64
	J4 IO PROTECT		x		x	x			202	276

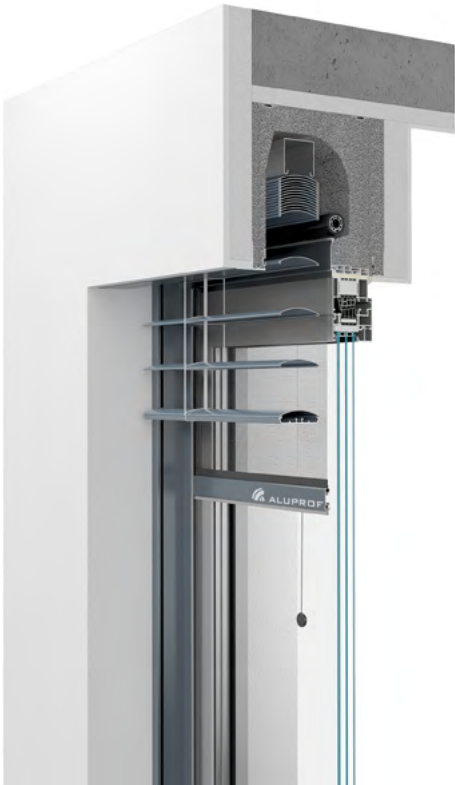
Surcharges for CleverBox roller shutters

Surcharges for CleverBox blinds	
CleverBox blind in colour DB703 plus 5% to the price list	
Ladder and ribbon	Price
Colour grey	Included in the price
Black colour	7,90€ per blind
Pins	Price
PVC	Included in the price
Steel	5,70€/rm louver height
Guides, end lists	Price
Type 2 in standard colour	price for tables 4.1 to 4.4
PG-10 + PG-12 in standard colour	price for table 4.5-4.8
Guides - Renolit structural veneer (anthracite 701605, brown 887505, walnut 2178007, mahogany 2065021, golden oak 2178001, Winchester 49240) smooth veneer anthracite	+ 5%
Bottom strip in standard colour	Included in the price
Bottom strip in extra colour	Individual pricing
Individual pricing	Price
White box	Included in the price
Box - single-sided veneer Renolit structural (anthracite 701605, brown 887505, walnut 2178007, mahogany 2065021, golden oak 2178001, Winchester 49240) smooth veneer anthracite	+ 10%
Case - 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 elements	39,30€/unit

5. STYROTERM facade blinds

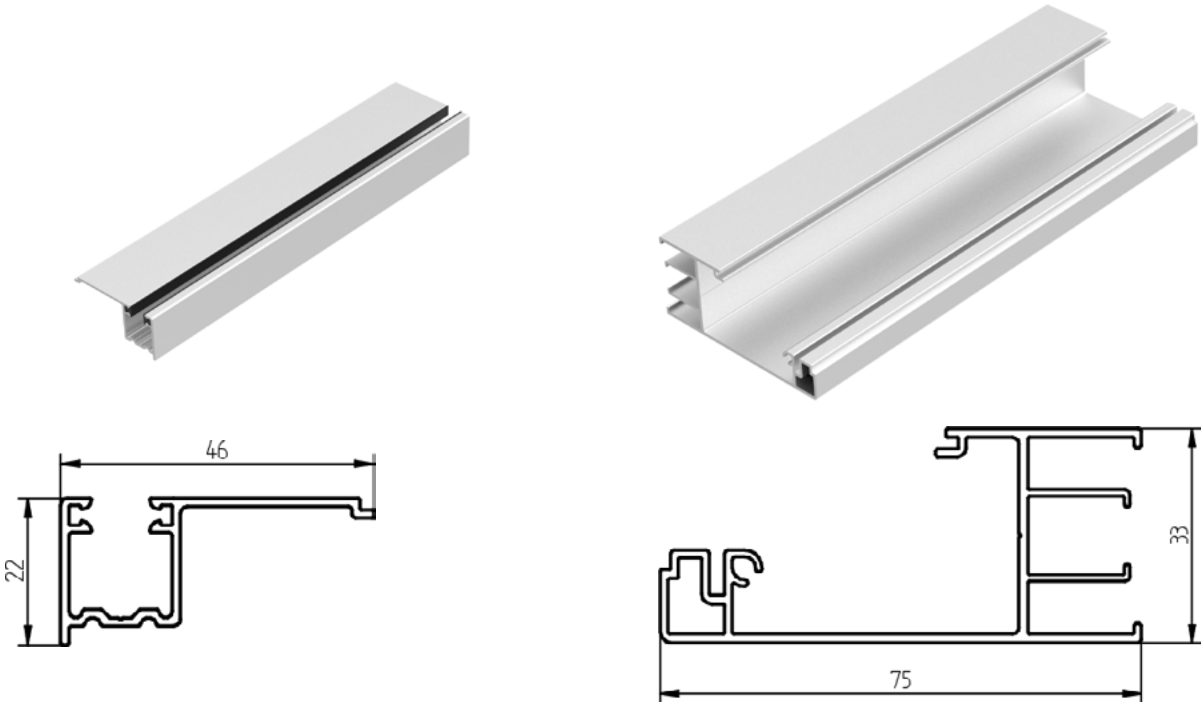


- The STYROTERM box is characterised by high rigidity and stability.
- High thermal and acoustic performance.
- Used for passive construction.



Guides for STYROTERM blinds

PPF SKBF	A/PPF/B/33
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PPF SKBF and APPF/B/33 slides 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 area is 3 m2 . The maximum width of the window frame is 155 mm.

Maximum heights for STYROTERM blinds 264x260; 311x305

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

It is possible to make louvres above this height, but when retracted, not the whole package will fit in the box.

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

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	
The laths protrude from the box	0,4	263	282	301	319	343	362	386	405	429	448	472	491	515	534	558	577	601	620
	0,6	278	298	318	337	363	383	408	427	453	473	498	518	544	563	589	608	634	654
	0,8	293	314	335	355	382	403	430	450	477	498	524	545	572	592	619	640	667	687
	1	308	330	351	373	402	424	451	472	501	523	550	572	600	622	649	671	700	721
	1,2	323	346	369	391	421	444	472	495	525	548	576	599	629	651	680	703	733	755
	1,4	338	362	385	409	440	464	494	518	549	573	602	626	657	681	710	734	765	789
	1,6	353	378	403	427	460	485	515	540	573	598	628	653	685	710	741	765	798	823
	1,8	368	394	420	445	480	505	537	562	597	622	654	680	714	740	771	797	831	857
	2	383	410	436	463	499	526	558	585	621	648	680	707	743	769	802	828	864	891
	2,2	398	426	454	481	518	546	580	608	645	672	705	733	771	799	832	860		
311x305	2,4	412	440	469	497	536	564	598	626	665	693	727	756	794	823				
	2,6	427	456	486	515	555	585	620	649	689	718	753	783	823					
	2,8	442	472	503	533	575	605	641	671	713	743	779	809						
	3	457	488	520	551	594	625	662	694	736	768	805							
	3,2	472	505	537	569	613	646	684	716	760	793								
	3,4	487	520	554	587	633	666	705	739	785									
	3,6	502	536	571	605	652	686	727	761	809									
	3,8	517	552	588	623	672	707	748	784										
	4	532	568	605	641	691	727	770	806										



Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in number depending on width.
- PPF SKBF guides.
- STYROTERM box.
- Hand crank drive.

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

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	
The laths protrude from the box	0,4	319	338	356	375	399	418	442	461	485	504	528	547	571	590	614	633	657	675
	0,6	334	354	373	393	418	438	464	484	509	529	554	574	600	619	644	664	690	709
	0,8	349	370	390	411	438	459	485	506	533	554	580	600	628	649	675	695	723	743
	1	364	385	407	429	458	479	506	528	557	579	606	628	656	678	705	727	755	777
	1,2	379	402	424	447	477	500	528	550	581	603	632	655	684	707	735	758	788	811
	1,4	394	417	442	465	496	520	550	573	605	628	658	681	713	736	766	790	821	845
	1,6	409	434	458	483	516	540	571	596	629	653	684	709	741	766	796	821	854	879
	1,8	424	450	475	501	536	561	592	618	652	678	710	735	770	795	827	852	887	912
	2	439	466	492	519	555	582	614	641	676	703	735	762	798	825	857	884	920	946
	2,2	454	482	510	537	574	602	635	663	701	728	762	789	827	855	888	916	953	980
311x305	2,4	468	496	525	553	591	620	654	682	721	749	783	811	850	878	912	940	979	1 046
	2,6	483	512	542	571	611	640	675	705	745	774	809	838	878	908	943	1 010	1 050	1 080
	2,8	498	528	558	589	630	660	697	727	768	799	835	865	906	937	1 011	1 042	1 083	1 114
	3	513	544	576	607	650	681	718	749	793	824	861	892	935	1 005	1 042	1 073	1 116	1 147
	3,2	528	560	592	625	669	701	740	772	816	849	887	919	1 002	1 034	1 072	1 105	1 149	1 181
	3,4	543	576	610	643	689	722	761	795	840	874	912	984	1 030	1 064	1 103	1 136	1 181	1 215
	3,6	558	592	627	661	708	743	783	817	864	898	977	1 011	1 058	1 093	1 133	1 167	1 215	1 249
	3,8	573	608	643	679	727	763	804	840	888	962	1 003	1 038	1 087	1 123	1 163	1 199	1 247	1 283
	4	588	624	660	697	747	783	825	862	912	987	1 029	1 065	1 115	1 152	1 194	1 230	1 280	1 317



Price includes:

- Blind package with C-80 slats in standard colour.
- Top rail hangers in number depending on width.
- PPF SKBF guides.
- STYROTERM box.
- ELERO JA Soft motor.

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

Producent	Model silnika	Mechaniczne krańcówki	Elektroniczne krańcówki	Cichy hamulec	Detekcja przeszkód i oblodzenia (dla ruchu w górę)	Automatyczna korekta pozycji krańcowej	Odbiornik radiowy	System awaryjnego otwierania NHK	6 Nm		9/10 Nm
ELERO	JA SOFT	x		x					in price		
	JA COMFORT		x	x	x	x			72		65
	JA COMFORT 868		x	x	x	x	x		113		107
	JA 10 NHK	x						x	-		748
GEIGER	GJ56	x							4		22
SOMFY	J4 WT		x						31		48
	J4 WT PROTECT		x		x				44		64
	J4 IO PROTECT		x		x	x			202		276

5.3 Net price list for STYROTERM manually operated blinds with Z-90 slats

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	Height	0,4	263	282	301	319	343	362	386	405	430	448	473	491	515	535	559	578	602	620
		0,6	279	299	319	339	365	385	411	431	457	477	503	523	549	569	595	614	641	660
		0,8	294	315	335	357	384	405	432	452	480	500	527	548	576	596	623	644	671	692
		1	310	332	354	376	406	428	456	478	507	529	557	579	609	631	659	681	710	733
311x305		1,2	325	348	371	394	424	447	476	499	530	553	581	605	636	658	687	710	741	764
		1,4	341	365	390	414	446	471	500	525	558	582	612	636	669	693	723	747	780	804
		1,6	355	380	406	431	465	490	521	546	580	605	636	661	695	721	751	776	810	836
		1,8	372	398	424	451	487	513	545	571	608	634	666	692	729	755	787	814	850	876
The laths protrude from the box		2	386	414	441	468	505	533	566	593	630	658	691	718	755	783	815	843	880	908
		2,2	402	431	459	488	527	556	590	618	658	686	721	749	788	817	851	880		
		2,4	417	446	476	505	546	575	610	640	681	710	745	775	815	845				
		2,6	433	464	495	525	568	598	635	665	709	739	775	806	849					
		2,8	448	479	510	542	586	618	655	686	731	762	800	831						
		3	464	497	529	562	608	641	679	712	758	791	830							
		3,2	478	512	545	579	627	660	700	733	781	815								
		3,4	495	529	565	599	649	683	724	759	808									
		3,6	509	545	580	616	667	703	745	781	831									
		3,8	525	562	600	636	689	726	769	806										
		4	540	578	616	654	707	746	789	827										

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in a quantity depending on the width
- PPF SKBF slides
- STYROTERM box
- Hand crank drive



5.4 Net price list for STYROTERM electrically operated blinds with Z-90 slats

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	
The laths protrude from the box	Height	0,4	319	338	357	375	400	418	442	461	485	504	529	547	571	590	614	633	658	676
		0,6	335	355	375	395	421	441	467	487	513	533	559	578	605	624	650	670	696	716
		0,8	350	370	392	412	440	461	487	508	536	557	582	604	631	652	679	700	727	748
		1	366	388	410	432	462	484	511	534	563	585	613	635	665	686	715	736	766	788
		1,2	380	403	426	450	480	503	532	555	586	609	637	660	691	714	743	766	796	820
		1,4	396	421	445	469	502	526	557	580	613	638	667	692	725	749	778	803	836	860
		1,6	411	436	461	486	521	546	576	602	636	661	692	717	751	776	807	832	866	891
		1,8	427	454	480	506	543	569	601	628	663	690	722	748	785	811	843	869	905	932
		2	442	469	496	524	561	588	621	649	686	713	746	774	811	838	871	899	936	963
		2,2	458	487	515	544	583	612	646	674	713	742	776	805	844	873	907	936	975	1 004
The laths protrude from the box	Height	2,4	473	502	531	561	602	631	666	695	736	765	801	830	871	900	935	965	1 006	1 073
		2,6	489	519	550	580	623	654	691	721	764	794	831	862	904	935	971	1 040	1 083	1 114
		2,8	503	535	566	598	642	673	711	743	786	818	855	887	931	963	1 038	1 070	1 114	1 145
		3	519	552	585	618	664	697	735	768	814	847	885	918	964	1 035	1 074	1 107	1 153	1 186
		3,2	534	568	601	635	683	716	756	789	836	870	910	943	1 029	1 063	1 102	1 136	1 184	1 217
		3,4	550	585	620	655	704	739	780	815	864	899	940	1 013	1 063	1 097	1 138	1 173	1 222	1 257
		3,6	565	600	636	672	723	759	800	836	887	923	1 002	1 039	1 089	1 125	1 166	1 202	1 253	1 289
		3,8	581	618	655	692	745	782	825	862	915	990	1 032	1 070	1 123	1 160	1 202	1 239	1 292	1 329
		4	595	634	671	709	764	801	845	883	937	1 013	1 057	1 095	1 149	1 187	1 230	1 269	1 323	1 361

Price includes:

- Blind package with Z-90 slats in standard colour.
- Top rail hangers in number depending on width.
- PPF SKBF guides.
- STYROTERM box.
- ELERO JA Soft motor.

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

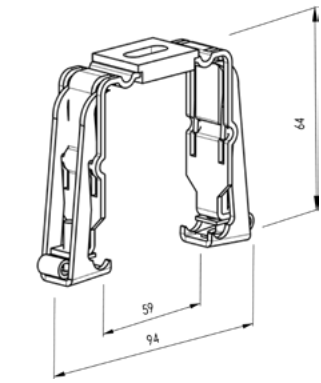


Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9/10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			72	65
	JA COMFORT 868		x	x	x	x	x		113	107
	JA 10 NHK	x						x	-	748
GEIGER	GJ56	x							4	22
SOMFY	J4 WT		x						31	48
	J4 WT PROTECT		x		x				44	64
	J4 IO PROTECT		x		x	x			202	276

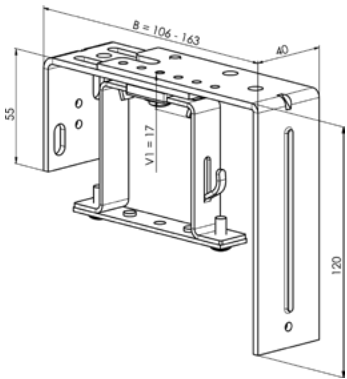
Surcharges for blinds in Styroterm boxes

Surcharges for STYROTERM blinds	
Blind in the Styroterm system in colour DB703 plus 5% to the price list	
Ladder and ribbon	Price
Colour grey	Included in the price
Black colour	7,90€ zł per blind
Pins	
PVC	Included in the price
Steel	5,70€/rm louvre height
Guides, end lists	
PPF in standard colour	at a price for tables 5.1-5.4
PPF in extra colour	individual pricing
Bottom strip in standard colour	Included in the price
Bottom strip in extra colour	Individual pricing
Additional elements	Price
Fly screen (price per 1m2)	52,90€m²

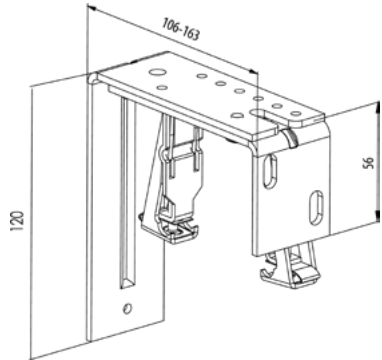
6. Components for facade blinds



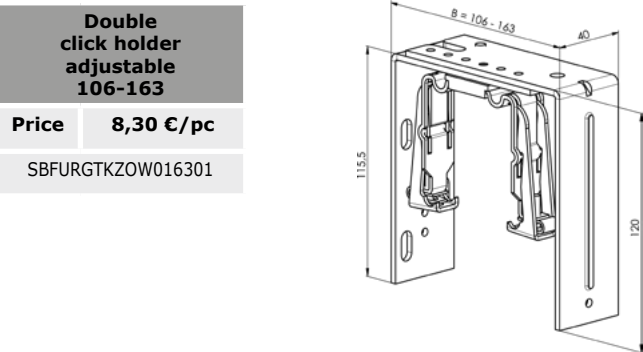
Hanger „klik“
Price 1,90 €/pc
SBFURGTKZ00000001



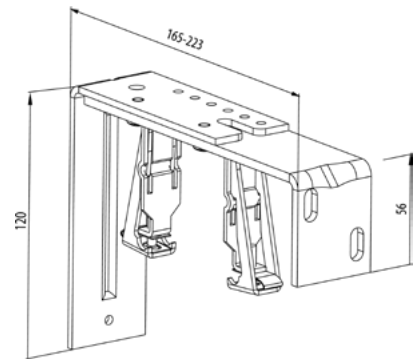
Hanger with plate
Price 8,60 €/pc
SBFURGTBZO0000001



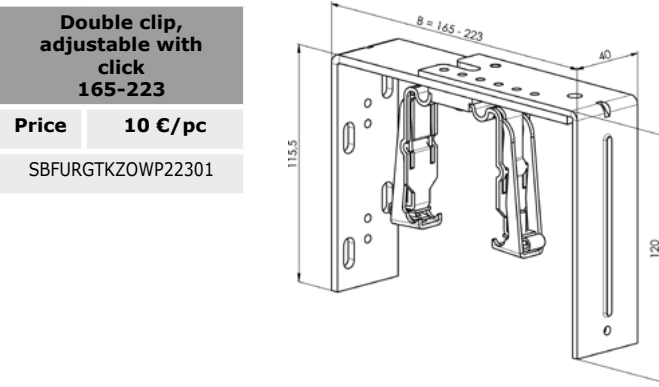
Adjustable handle with hanger click 106-163
Price 7,90 €/pc
SBFURGTKZ00000001



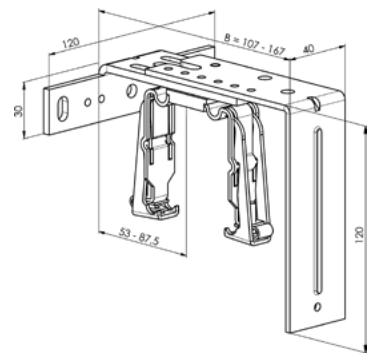
Double click holder adjustable 106-163
Price 8,30 €/pc
SBFURGTKZOW016301



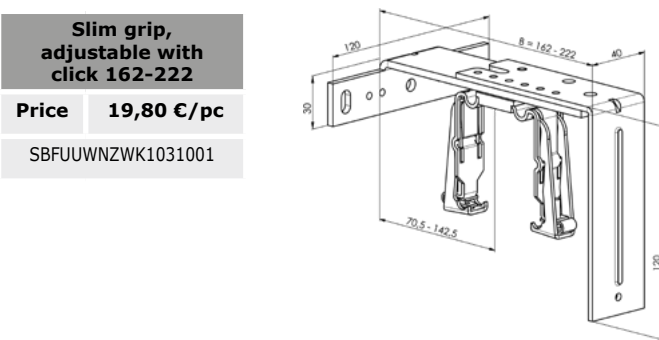
Adjustable handle with hanger click 165-223
Price 8,80 €/pc
SBFURGTKZ00022501



Double clip, adjustable with click 165-223
Price 10 €/pc
SBFURGTKZOWP22301



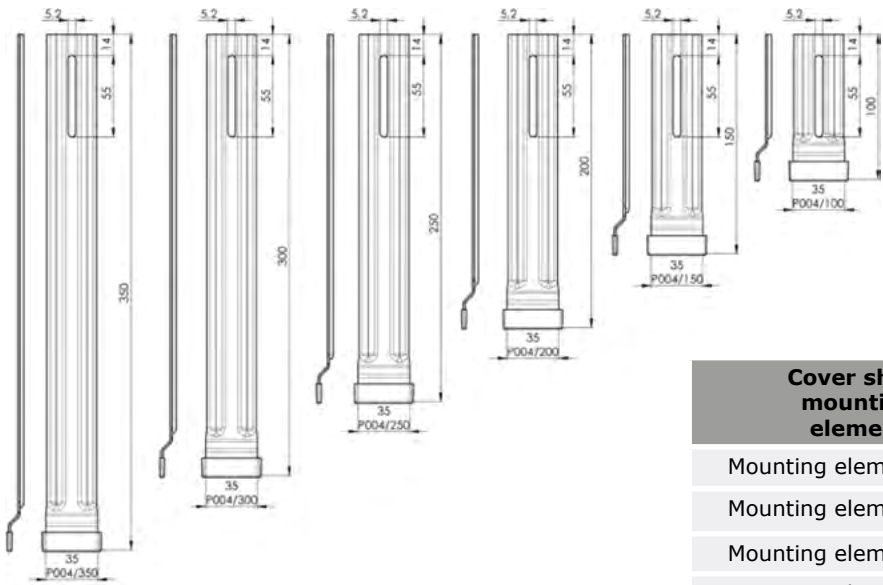
Slim grip, adjustable with click 107-167
Price 14,40 €/pc
SBFUUWNZWK1030001



Slim grip, adjustable with click 162-222
Price 19,80 €/pc
SBFUUWNZWK1031001

Number of hangers, depending on the width of the blinds

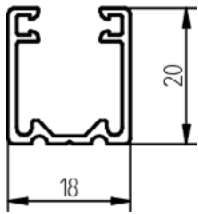
Blind width	do 1600 mm	1601-2400 mm	2401-3200 mm	3201-4000 mm
Number of hangers and sheet metal fittings casing	2	3	4	5



Fastening element for covering sheets used with top rail hanger

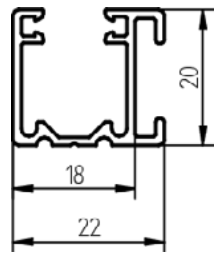
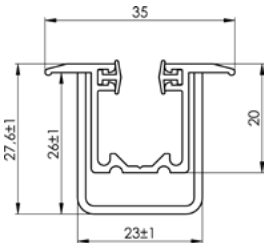
Cover sheet mounting element	Applied at the height of the cover plate	Price €/pc
Mounting element „100“	140-190 mm	1,00
Mounting element „150“	191-240 mm	1,00
Mounting element „200“	241-290 mm	1,20
Mounting element „250“	291-340 mm	1,70
Mounting element „300“	341-390 mm	1,70
Mounting element „350“	391-440 mm	1,70

Guides



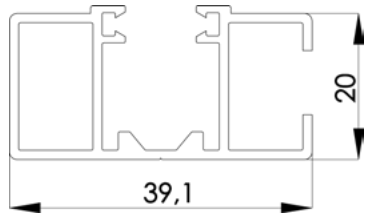
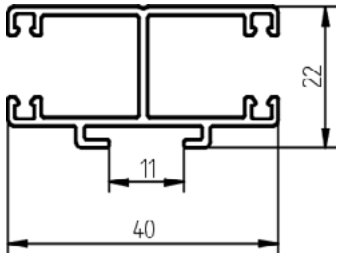
Typ 1
Price 8,60 €/rm
SDAEGFPT100000S01

Concealed slide Type PT (two-piece set)
Price 4,30 €/rm
SDAEGFPTPTCZPT001
Price 9,30 €/rm
SDAEGFPTPTCZW0001



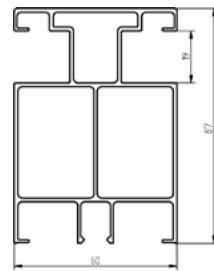
Typ 2
Price 9,30 €/rm
SDAEGFPT200000S01

Typ D2
Price 15,50 €/rm
SDAEGFPTD20000S01

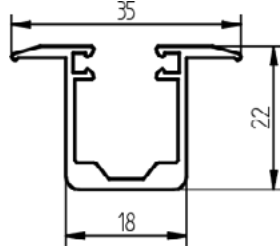


Self-supporting type
Price 13,30 €/rm
SDAEGFPTS00000001

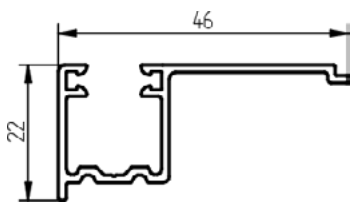
Typ PG 10
Price 6,00 €/rm
SDAESPG1000000001



Typ PG 12
Price 9,30 €/pc
SDAEGFPTPTCZW0001

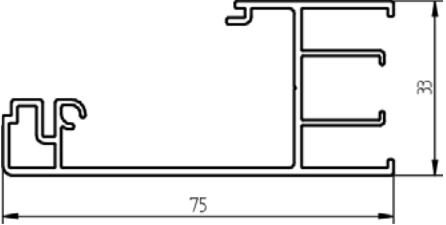


Guides



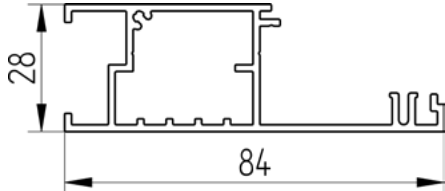
Typ PPF SKBF

Price	9,80 €/rm
SDAEGPPPF00000001	



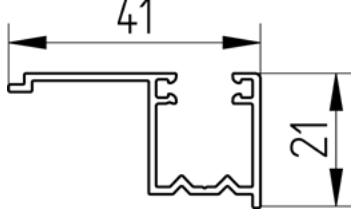
Typ APPFB33

Price	25,50 €/rm
SDAEGFAPFB330001	



Vbox base slide

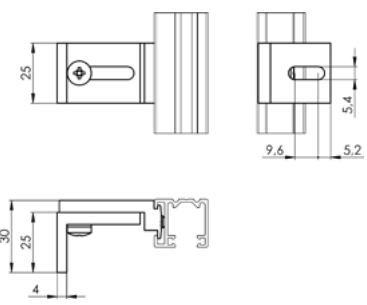
Price	18,80 €/rm
SDAEGFPVB00000001	



Vbox operating guide (slide)

Price	8,60 €/rm
SDAEGFPVS00000001	

Guide handles



Type L

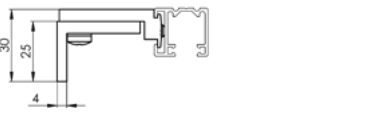
Type L1
(55-74mm) - for use with Type 2 and D2 slides

Price	4,30 €/pc
SBFUDPL1000701601	



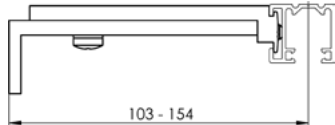
Type L2
(75-102mm) - for use with Type 2 and D2 slides

Price	4,30 €/pc
SBFUDPL2000000001	

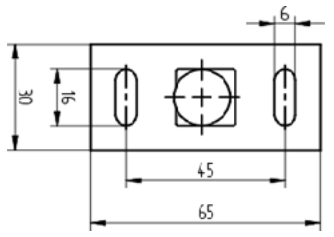


Type L3
(103-154mm) - For use with slides Type 2 and D2

Price	4,30 €/pc
SBFUDPL3000000001	

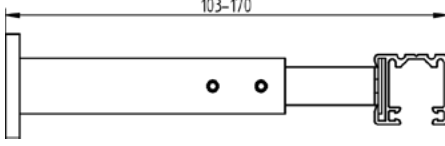


103 - 154

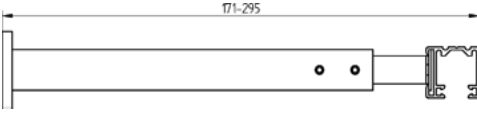


Type T1
(103-170mm) - For use with slides Type 2 and D2 and selfsupporting

Price	12,60 €/pc
SBFUDPT1000000001	

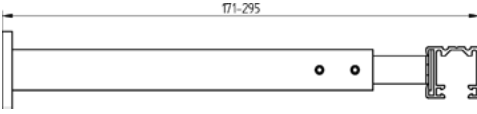


103-170



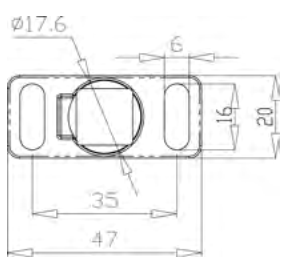
Type T2
(171-295mm) - For use with slides Type 2 and D2 and selfsupporting

Price	15,70 €/pc
SBFUDPT2000000001	



171-295

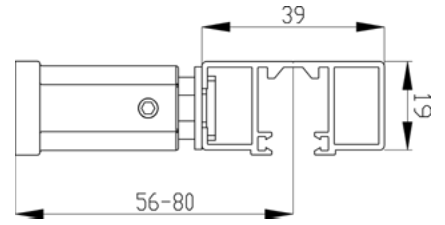
Guide handles



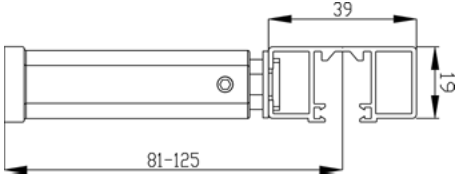
Type S

Type S1
(56-80 mm)

Price	5,50 €/pc
SBFUDPS0000000001	

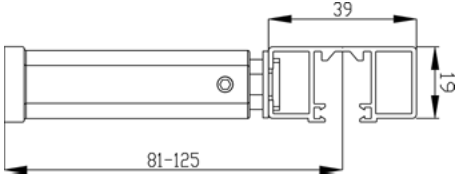


56-80

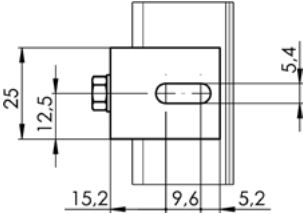


Type S2
(81-125 mm)

Price	6,70 €/pc
SBFUDPS2000000001	



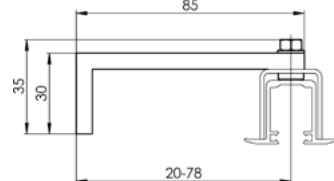
81-125



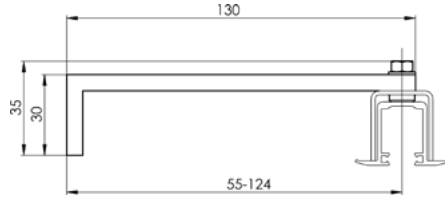
Type PT

Type PT1
(20-78mm)

Price	1,90 €/pc
SBFUDPPTLP10000001	

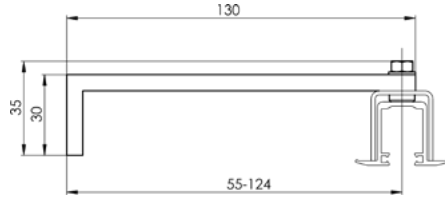


20-78

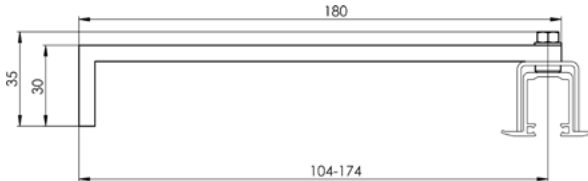


Type PT2
(55-124mm)

Price	2,10 €/pc
SBFUDPPTLP20000001	

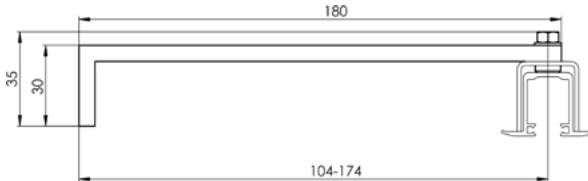


55-124



Type PT3
(104-174mm)

Price	2,60 €/pc
SBFUDPPTLP21000001	

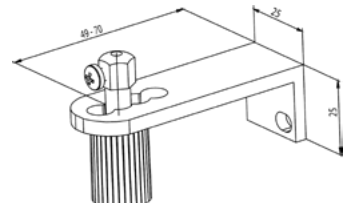


104-174

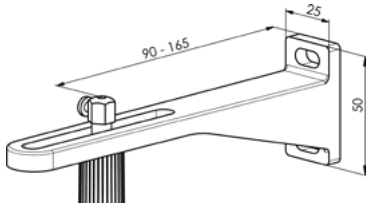
Number of lugs in the guide depending on the height of the blind (for one guide)

Shutter height	up to 1799 mm	1800-2799 mm	2800-4000 mm
Ilość uchwytów	2	3	4

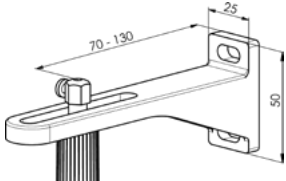
Wire fixes



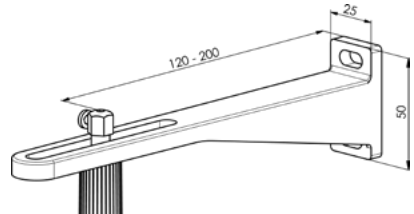
U1	
Price	6,20 €/pc
SBFULSU1000000001	



U3	
Price	6,70 €/pc
SBFULSU3009016501	

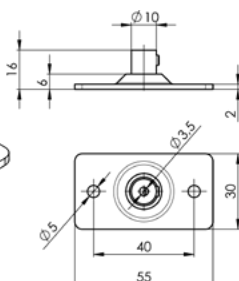
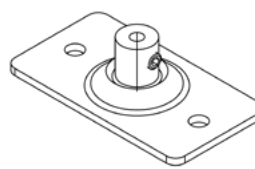


U2	
Price	6,70 €/pc
SBFULSU2007013001	

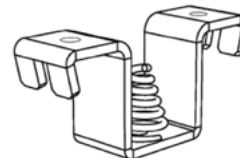


U4	
Price	6,90 €/pc
SBFUDPPTLP2100001	

Tensioning bracket for cable tensioner (floor)	
Price	6 €/pc
SBFULNPDA00000001	



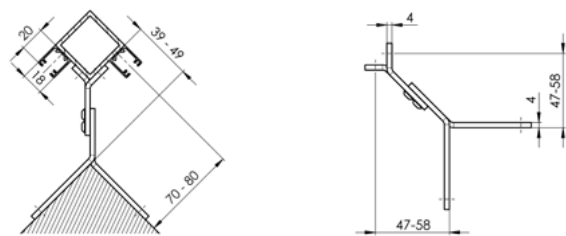
Tensioning cable anode (for set with tension bracket)	
Price	2,90 €/pc
SBFULNPDA04400001	



Angle connectors

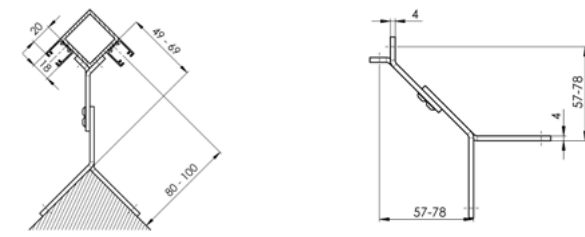
With an offset of 70 mm from the wall, the measured width of the louvre is increased by 39 mm. With an offset of a further 1 mm, the width of the louvre also increases by 1 mm.

External corner connector 70-80mm	
Price	10,70 €/pc
SBFULKZ0070800001	



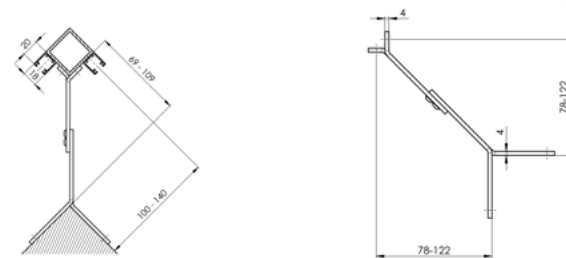
With an offset of 80 mm from the wall, the measured width of the louvre is increased by 49 mm. With an offset of a further 1 mm, the width of the louvre also increases by 1 mm.

External corner connector 80-100mm	
Price	13,10 €/pc
SBFULKZ0801000001	



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

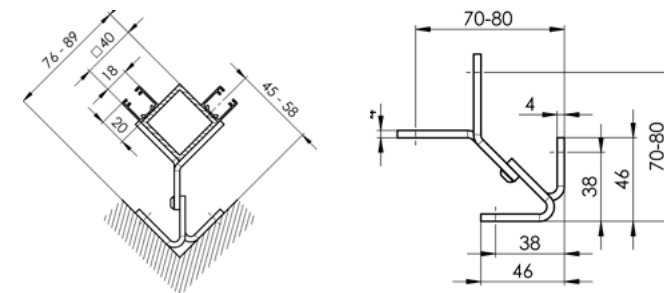
External corner connector 100-140mm	
Price	30,20 €/pc
SBFULKZ1001400001	



Angle connectors

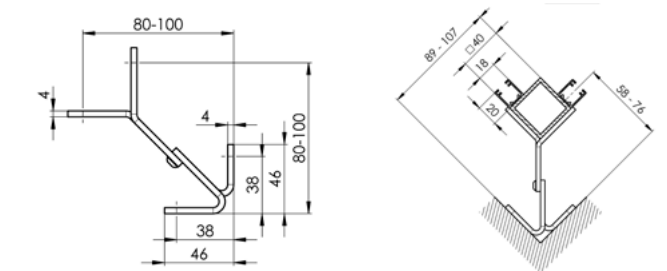
At an offset of 45 mm from the wall, the measured width of the louvre is reduced by 39 mm. With an offset of a further 1 mm, the width of the louvre also decreases by 1mm.

Inner angle connector 45-59mm	
Price	24,80 €/pc
SBFULKW0045590001	



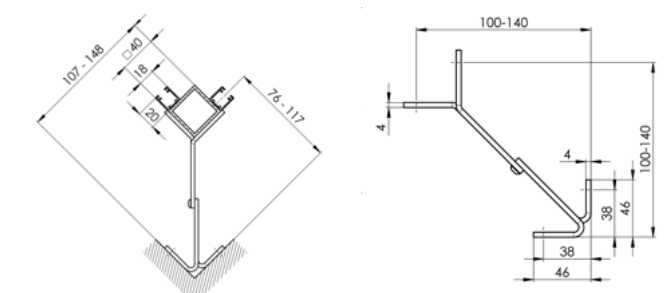
With an offset of 56 mm from the wall, the measured width of the louvre is reduced by 87 mm. With an offset of a further 1 mm, the width of the louvre also decreases by 1 mm.

Inner angle connector 59-76mm	
Price	25,20 €/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.

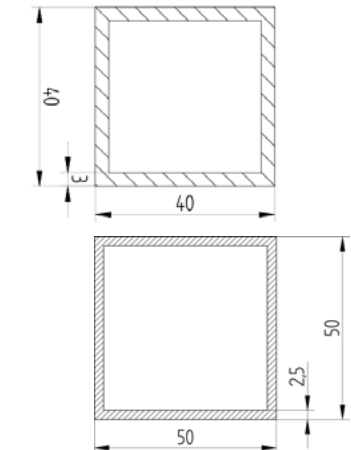
Inner angle connector 76-117mm	
Price	28,30 €/pc
SBFULKW0761170001	



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

Connecting profile (40x40x3) (compulsory when using connectors for C-80 blinds)	
Price	18,30 €/pc
SDAECFPL000000001	

Connecting profile (50x50x2.5) (compulsory when using connectors for Z-90 blinds)	
Price	20,20 €/pc
SDAECFPL005050301	



7. Price list of packages

7.1 C-80 packages

The package includes the complete blinds including the drive, except for the box, guides and assembly elements.



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	
Height	0,4	176	183	190	196	210	216	223	230	237	250	257	264	270	284	290	297	304	311
	0,6	180	188	196	204	219	227	235	243	251	266	274	282	290	305	313	321	329	337
	0,8	185	194	203	212	229	238	247	256	265	282	291	300	309	326	335	344	353	362
	1,0	190	200	210	220	238	249	259	269	280	298	308	318	329	347	357	367	378	388
	1,2	194	205	217	228	248	260	271	282	294	314	325	337	348	368	379	391	402	414
	1,4	199	211	224	236	258	270	283	296	308	330	342	355	367	389	401	414	427	439
	1,6	203	217	231	245	267	281	295	309	323	345	359	373	387	410	424	437	451	465
	1,8	208	223	237	252	277	292	307	322	337	361	376	391	406	431	446	461	476	491
	2,0	212	228	244	260	287	303	319	335	351	377	393	410	426	452	468	484	500	516
	2,2	217	234	251	269	296	314	331	348	365	393	410	428	445	473	490	507	525	542
	2,4	220	238	256	274	303	321	339	357	375	405	423	440	459	488	506	524	542	560
	2,6	225	244	263	282	313	332	351	370	390	420	440	459	478	509	528	547	566	586
	2,8	229	250	270	290	323	343	363	384	404	436	457	477	497	530	550	570	591	611
	3,0	234	255	277	298	332	354	375	397	418	452	474	495	517	551	572	594	615	637
	3,2	238	261	284	306	342	365	387	410	433	468	491	514	536	572	595	617	662	685
	3,4	243	266	290	314	351	375	399	423	447	484	508	532	556	593	617	663	687	711
	3,6	247	272	297	322	361	386	411	436	461	500	525	550	575	636	661	686	711	736
3,8	252	278	304	330	371	397	423	449	475	516	542	568	617	657	684	710	736	762	
4,0	256	284	311	338	380	408	435	462	490	532	559	609	636	678	706	733	760	788	
4,2	261	289	318	346	390	419	447	475	504	548	599	627	656	700	728	756	785	979	
4,4	265	295	325	354	400	429	459	489	518	564	616	645	675	720	750	780	975	1005	
4,6	270	301	332	362	409	440	471	502	533	602	633	664	695	741	772	969	1000	1030	
4,8	275	306	338	370	419	451	483	515	569	618	650	682	714	763	960	992	1024	1056	
5,0	279	312	345	378	429	462	495	528	584	634	667	700	733	949	982	1015	1049	1082	

7.2 Z-90 packages

The package includes the complete blinds including the drive, except for the box, guides and assembly elements.



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	
Height	0,4	180	187	194	201	216	224	231	238	245	260	267	274	281	296	303	310	318	325
	0,6	185	193	201	210	227	235	243	251	259	276	284	292	300	317	325	334	341	350
	0,8	193	202	211	221	241	250	260	270	279	299	308	318	327	347	357	366	376	385
	1,0	198	208	219	229	251	262	272	282	293	315	325	336	346	368	379	389	400	410
	1,2	205	217	229	241	266	277	289	301	313	338	350	362	374	399	410	422	434	446
	1,4	210	223	236	249	276	289	301	314	327	354	367	380	392	420	432	445	458	471
	1,6	218	232	246	260	290	305	319	333	347	377	391	405	420	450	464	478	492	506
	1,8	223	238	253	268	300	315	331	346	361	393	408	423	439	471	486	501	516	531
	2,0	230	247	263	280	315	331	348	365	381	416	433	449	466	501	517	534	550	567
	2,2	235	253	270	288	325	343	360	377	395	432	450	467	485	522	539	557	574	592
	2,4	243	262	280	300	340	358	377	396	415	455	474	493	512	552	571	590	608	627
	2,6	248	268	288	308	350	370	389	409	429	471	491	511	531	573	593	612	632	652
	2,8	255	277	298	319	364	385	407	428	449	494	515	537	558	603	624	645	666	688
	3,0	261	283	305	327	374	396	419	441	463	510	532	555	577	624	646	668	690	713
	3,2	268	291	315	339	389	412	436	460	483	533	557	580	604	654	678	701	747	771
	3,4	273	298	322	347	399	424	448	473	497	549	574	598	623	675	700	746	771	795
	3,6	280	306	332	358	413	439	465	491	517	572	598	624	650	727	753	779	805	831
3,8	286	313	340	366	424	450	477	504	531	588	615	642	691	749	775	802	829	856	
4,0	293	321	350	378	438	466	495	523	551	611	640	690	718	779	807	835	863	892	
4,2	298	328	357	386	448	477	507	536	565	627	679	708	737	800	829	858	887	1082	
4,4	306	336	367	397	463	493	524	555	585	650	703	734	765	830	860	891	1087	1118	
4,6	311	342	374	405	473	504	536	568	599	689	720	752	783	851	882	1079	1111	1142	
4,8	318	351	384	417	487	520	553	586	641	712	745	778	810	881	1079	1112	1145	1178	
5,0	323	357	391	425	497	531	565	599	655	728	762	795	830	1067	1101	1135	1169	1203	

7.3 C-80 FLAT packages

The package includes the complete blinds including the drive, except for the box, guides and mounting components.

		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
Height	0,4	176	183	190	197	210	217	224	230	237	251	257	264	271	284	291	298	305	311
	0,6	181	189	197	205	220	228	236	244	252	267	275	283	291	307	315	323	330	339
	0,8	186	195	204	214	230	240	249	258	267	284	294	303	312	329	338	347	356	366
	1,0	191	201	212	222	240	251	261	272	282	301	311	322	332	351	361	372	382	393
	1,2	195	207	219	230	251	262	274	286	298	318	330	341	353	373	385	397	408	420
	1,4	199	211	224	236	258	270	283	295	308	330	342	355	367	389	401	414	426	439
	1,6	204	217	231	245	268	282	296	310	323	346	360	374	388	411	425	439	452	466
	1,8	208	223	238	253	278	293	308	323	338	363	378	393	408	433	448	463	478	493
	2,0	213	229	245	262	288	305	321	337	353	380	396	413	429	455	472	488	504	520
	2,2	218	235	253	270	299	316	334	351	368	397	414	432	449	478	495	513	530	548
	2,4	222	241	260	279	309	327	346	365	384	414	432	451	470	500	519	537	556	575
	2,6	227	247	267	287	319	339	359	379	399	430	450	470	490	522	542	562	582	602
	2,8	232	253	274	295	329	350	371	393	414	447	468	490	511	544	565	587	608	629
	3,0	237	259	281	304	339	361	384	406	429	464	486	509	531	566	589	611	634	656
	3,2	241	265	289	312	349	373	397	420	444	481	505	528	552	589	612	636	682	706
	3,4	245	269	294	318	356	381	405	430	455	493	517	542	566	604	629	676	700	725
3,6	250	275	301	327	367	392	418	444	470	510	535	561	587	649	675	700	726	752	
3,8	254	281	308	335	377	404	431	458	485	526	553	580	630	671	698	725	752	779	
4,0	259	287	315	344	387	415	443	471	500	543	571	622	650	693	721	750	778	806	



Price list of components - drives

Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9/10 Nm	18 Nm	20 Nm
ELERO	JA SOFT	x		x					106	136	-	296
	JA COMFORT		x	x	x	x			177	201	-	-
	JA COMFORT 868		x	x	x	x	x		219	243	-	-
	JA 10 NHK	x						x	-	753	-	-
GEIGER	GJ56	x							110	158	-	-
SOMFY	J4 WT		x						137	184	193	-
	J4 WT PROTECT*		x		x				150	200	282	-
	J4 IO PROTECT*		x		x	x			308	412	467	-

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

8. Electronics

Name	Wired control	Price (€/pc)
Smooove UNO WT 5P	5-position switch with hold-open function, for controlling one shutter, flush-mounted	19
Smooove DUO WT 5P	5-position switch with hold-open function, for controlling two blinds, flush-mounted	38
1-key switch	1gang 1-key switch p/t with holding function, white (without frame)	14
2-key switch	2gang 2-key switch p/t without holding, white (without frame)	14
Adapter	Surface-mounted adapter for switches (white)	3,70
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	193
Eolis Sensor WT	Wired wind sensor in the form of a fan	70
Soliris Sensor WT	Wired solar-wind sensor in the form of a fan	82
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	327
Smooove UNO IB	Individual switch for one blind compatible with Soliris Smooove IB+ Pure controll	89
Frames for Smooove	Frame for wall-mounted remote controls in pure colour	3,70
Frames for Smooove	Frame for wall-mounted remote controls in silver, matt silver or black	10
Eolis Sensor WT	Wired wind sensor in the form of a fan	70
Soliris Sensor WT	Wired solar-wind sensor in the form of a fan	82
Somfy IO radio control - SMART HOME technology		
SMOOVE 1 io shine pure	Single-channel wall-mounted remote control in the form of a frameless switch	60
SMOOVE 1 io shine black	Single-channel wall-mounted remote control in the form of a frameless switch in black	61
SMOOVE 1 io shine silver	Single-channel wall-mounted remote control in the form of a frameless switch in silver	68
Smooove 1 A/M IO	Single-channel wall-mounted remote control in the form of a frameless switch in grey, black or silver. Auto/ manual switch	68
Situo 1 Var IO Pure II	1-channel remote control. Infinitely variable slat angle adjustment	106
Situo 5 Var A/M IO Pure II	5-channel remote control. Infinitely adjustable slat angle. Works with solar-wind automation	110
Nina IO	60-channel remote control with touchscreen display. Individual and group control. Works with solar-wind automation	328
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.	269

Vario radio control		
VarioTel 2 White	VarioTel 2 5+1 channel remote control with manual/automatic on/off switch white	85
VarioTel silver/anthracite	VarioTel 2 remote control 5+1-channel incl. manual/automatic silver/anthracite	111
Solar-wind automation for IO motors and controllers		
Soliris 230 V IO	Solar-wind automation in the form of a fan without a power cable (requires 230 V power supply)	254
Eolis WireFree IO	Battery-powered wind sensor in the form of a fan	134
Sunis WireFree II IO	Battery-powered solar sensor	157
INEL radio controls		
ST-01RLZ	Controller for one blind with Hirschmann plugs (in a hermetic housing mounted to the side of the box)	39
PIL-05DL	5-channel remote control (incl. magnetic pendant)	31
PIL-09DL	09 channel remote control (incl. magnetic pendant)	36
PIL-19DL	19-channel remote control (complete with magnetic pendant)	42
PIL-19MMT	19-channel graphic remote control with timer; colour display (pendant included)	81
PIL-99MMT	99-channel graphic remote control with timer; colour display (pendant included)	95
Radio receiver		
EVb IO radio receiver	IO radio receiver for one blind - with Hirschmann plugs	199
Internet control		
TaHoma switch pro	Central control unit for internet connection	222
Accessories		
	Cable 5m with Hirschmann plug	25

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:

Width L (m)	Tolerance (mm)
L≤2	+0 -3
2<L≤4	+0 -4
L>4	+0 -5
Tolerance for height +0/-10 regardless of louver height	

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.

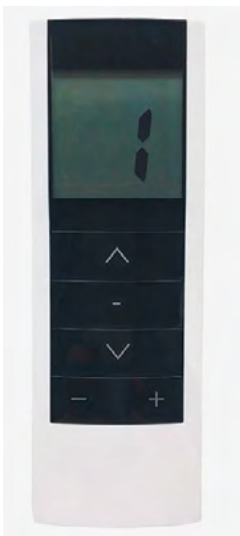
INEL remote controls



PIL-05DL



PIL-09DL



PIL-19DL

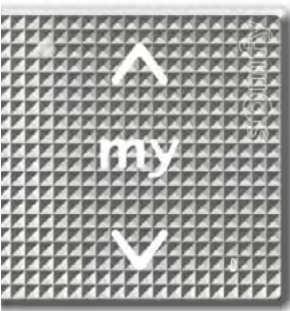


PIL-19MMT



PIL-99MMT

Somfy single-channel wall remotes



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 guide 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. Please specify dimensions:

➤ H ➤ X
 ➤ S

Variant 2 - blinds with standard flush-mounted. Please specify

➤ H ➤ X
 ➤ S

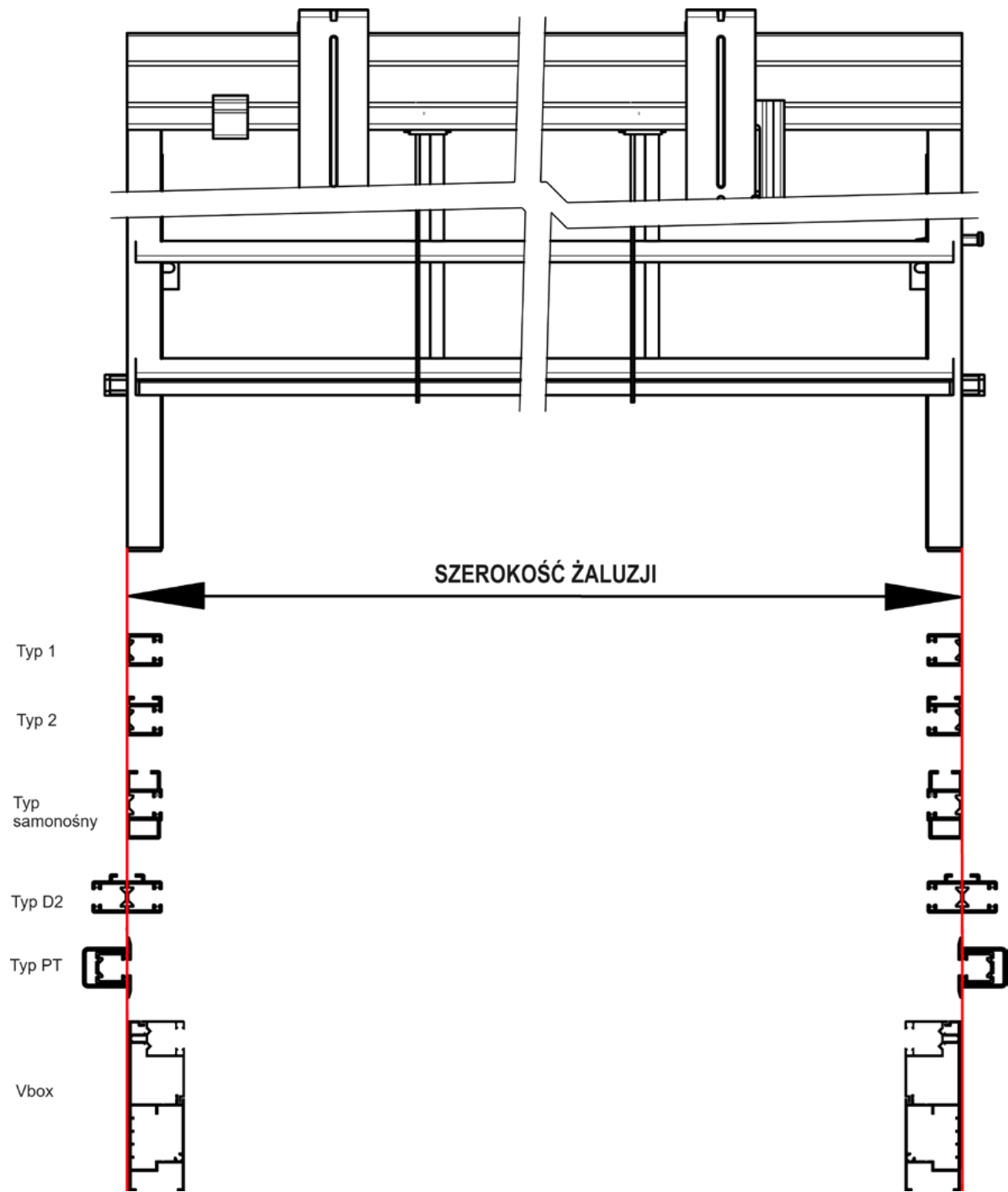
Szerokość wnęki mierzona po wykonaniu ocieplenia

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

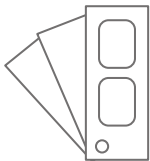


Installation of the pre-wall guide to the reveal

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	

WARUNKI GWARANCJI PRODUKTÓW VERTEX S.A.

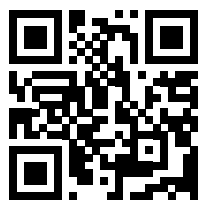
1. Spółka pod firmą: VERTEX S.A. z siedzibą w Czechowicach-Dziedzicach, 43-502, przy ul. E. Orzeszkowej 26, wpisana do Rejestru Przedsiębiorców Krajowego Rejestru Sądowego pod numerem KRS: 0000288773, którego akta rejestrowe prowadzi Sąd Rejonowy Katowice-Wschód w Katowicach Wydział VIII Gospodarczy Krajowego Rejestru Sądowego, zwany dalej „Gwarantem” lub „Producentem”, gwarantuje dobrą jakość oraz sprawne działanie nowego produktu zgodnie ze standardami przewidzianymi dla danego rodzaju produktów, z zastrzeżeniem użytkowania zgodnego z przeznaczeniem, w normalnych warunkach.
2. Gwarancja udzielona zostaje przez Gwaranta na warunkach określonych w niniejszym dokumencie.
3. Gwarancja zostaje udzielona wyłącznie Kupującym, którzy w terminie zapłacili całość należności pieniężnej za otrzymany produkt.
4. Z zastrzeżeniem warunków określonych w gwarancji, niniejsza gwarancja obejmuje wady powstałe na skutek błędów popełnionych w trakcie produkcji, w tym powstałe na skutek zastosowania wadliwych materiałów. Wszelkie inne rodzaje wad produktów nie są objęte gwarancją i niniejszym zostają wyłączone.
5. Podczas odbioru produktu w siedzibie Gwaranta lub w dniu dostarczenia produktu Kupujący zobowiązany jest sprawdzić opakowanie produktu pod kątem ewentualnych uszkodzeń oraz kompletność zgodnie z zamówieniem, pod rygorem utraty prawa kwestionowania jakości i kompletności dostawy.
6. Gwarant udziela gwarancji na okres 24 miesiące od daty sprzedaży, za wyjątkiem silników, na które Gwarant udziela gwarancji na okres 60 miesięcy od daty sprzedaży.
7. W przypadku stwierdzenia wady, Kupujący zobowiązany jest poinformować Gwaranta, w ciągu 14 dni od daty jej zauważenia. Wady widoczne muszą być reklamowane w ciągu 7 dni od daty zakupu, nie później jednak niż przed zamontowaniem produktu. Niespełnienie powyższych warunków skutkować będzie utratą uprawnień z tytułu gwarancji.
8. Warunkiem skorzystania z uprawnień gwarancyjnych, czyli przyjęcia reklamacji i ewentualnie późniejszych świadczeń serwisu gwarancyjnego jest:
 - 1) przedstawienie Gwarantowi dowodu zakupu (paragonu bądź faktury VAT) z datą sprzedaży reklamowanego produktu.
 - 2) przedstawienie Gwarantowi oryginalnej karty gwarancyjnej zawierającej dane określone w pkt 17 warunków gwarancji; w przypadku gdy karta gwarancyjna nie została poprawnie wypełniona, gdy dokonano w karcie gwarancyjnej jakichkolwiek korekt przez osoby nieuprawnione Kupujący traci uprawnienia z tytułu gwarancji,
 - 3) szczegółowe opisanie wady,
 - 4) weryfikacja i potwierdzenie istnienia wady fabrycznej produktu przez Gwaranta.
9. W przypadku prawidłowego złożenia przez Kupującego reklamacji Gwarant zobowiązuje się do:
 - 1) rozpatrzenia reklamacji w możliwie najkrótszym terminie nieprzekraczającym 30 dni roboczych od przyjęcia produktu fizycznie do serwisu.
 - 2) usunięcia wad stwierdzonych w produkcie - jeżeli zgłoszona reklamacja jest zasadna.
 - 3) obniżenia ceny bądź wymiany produktu na wolny od wad w przypadku braku możliwości usunięcia stwierdzonych wad; w przypadku wymiany wadliwego produktu czy wadliwych elementów Produktu na nowe, Kupujący jest zobowiązany do wydania Gwarantowi wadliwego Produktu bądź wadliwych elementów Produktu.
10. Wady ujawnione w okresie gwarancji, będą usuwane przez Gwaranta w możliwie najkrótszym terminie nieprzekraczającym 30 dni roboczych od dnia uznania zgłoszonej reklamacji, przy czym bezpłatną naprawę lub wymianę reklamowanego produktu poprzedza ekspertyza uszkodzenia w siedzibie Gwaranta, na podstawie której Gwarant podejmuje decyzję o zasadności reklamacji. Odpowiedzialnością Gwaranta nie są objęte koszty demontażu wadliwego produktu oraz koszty transportu produktu do Producenta, jak również koszty ponownego transportu i montażu produktu, które obciążają w całości Kupującego. Producent zastrzega sobie prawo wydłużenia terminu, o którym w zdaniu poprzednim, w przypadku konieczności uzyskania dodatkowych ekspertyz lub zastosowania materiałów niestandardowych. Dokładny termin usunięcia usterek będzie każdorazowo uzgadniany z Kupującym.
11. Bezpłatna naprawa reklamowanego produktu odbywa się w siedzibie Gwaranta.
12. Demontaż i montaż reklamowanego produktu leży po stronie Kupującego. Niniejsza gwarancja nie obejmuje kosztów ani wydatków wynikających z demontażu lub ponownego montażu produktu, ani zabezpieczenia miejsca montażu środkami ochronnymi, w okresie prowadzenia prac związanych z naprawą lub wymianą produktu.
13. W przypadku uznania reklamacji Gwarant zobowiązuje się zwrócić Kupującemu środki pieniężne za usługę transportową, po przedstawieniu przez Kupującego stosownych dokumentów, potwierdzających wysokość poniesionych kosztów transportu, a także zwrócić Kupującemu naprawiony Produkt na własny koszt.
14. Gwarant nie ponosi odpowiedzialności z tytułu udzielonej gwarancji w przypadku:
 - 1) zastosowania przez Kupującego lub osoby trzecie przeróbek niedokonanych, lub niedozwolonych przez pracowników Producenta,
 - 2) uszkodzeń opakowania lub samego produktu niezgłoszonych w dniu odbioru produktu.
 - 3) uszkodzeń mechanicznych oraz uszkodzeń będących wynikiem niewłaściwego lub niedbałego montażu, użytkowania lub przechowywania, nadmiernego przeciążenia, eksploatacji w niewłaściwych warunkach bądź niewłaściwej instalacji elektrycznej.
 - 4) zdarzeń losowych zaistniałych po wydaniu produktu, w szczególności spowodowanych warunkami atmosferycznymi, zakłóceniami elektromagnetycznymi, wyładowaniami elektrycznymi bądź przepięciami w sieci zasilającej albo zaniedbań dotyczących używania i konserwacji produktu zgodnie z instrukcją obsługi lub wskazówkami dotyczącymi użytkowania,
 - 5) zastosowania do produktu nieoryginalnych materiałów lub akcesoriów,
 - 6) niezastosowania się do zaleceń określonych w cenniku oraz instrukcji montażu Producenta,
 - 7) wadliwego użytkowania Produktu, niezgodnie z instrukcją Producenta,

- 8) gdy wady, usterki lub uszkodzenia produktu wynikają bezpośrednio lub pośrednio z zaniedbań w szczególności wynikających z niezastosowania się do wymogów regularnego sprawdzania i serwisowania produktu, albo zaniedbań dotyczących używania i konserwacji produktu zgodnie z instrukcją obsługi lub wskazówkami dotyczącymi użytkowania,
 - 9) wad, usterek lub uszkodzeń produktu, których wystąpieniu Kupujący mógł zapobiec, dzięki prawidłowej konserwacji i użytkowaniu produktu.
- 15.** Gwarancja nie obejmuje:
- 1) naturalnego zużycia oryginalnych elementów, części i akcesoriów spowodowanych ich normalną eksploatacją,
 - 2) uszkodzeń mechanicznych i wywołanych nimi wad,
 - 3) uszkodzeń wynikających z montażu, zmian lub napraw produktu bądź jego części, dokonanych przez osoby inne niż uprawnione przez Producenta; rekomendujemy nie podejmować samodzielnych prób napraw ani wymiany produktu bez zgody Producenta; w przeciwnym wypadku wszelkie reklamacje dotyczące usterek wynikającej z takich niezgodnionych z Producentem działań zostaną odrzucone,
 - 4) uszkodzeń powstałych w związku z użyciem części zamiennych lub akcesoriów innych niż wyprodukowane lub stosowane przez Producenta,
 - 5) uszkodzeń powstałych w następstwie niezgodnej z przeznaczeniem eksploatacji produktu,
 - 6) konserwacji i czyszczenia produktu, a także wymiany bezpieczników, baterii,
 - 7) produktów przecenionych, jako niepełnowartościowe,
 - 8) uszkodzeń wynikłych ze zdarzeń losowych, w szczególności pożaru, powodzi, uderzenia pioruna, bardzo niskich temperatur oraz innych klęsk żywiołowych,
- 16.** W przypadku odrzucenia reklamacji w wyniku przeprowadzonych przez Gwaranta oględzin, koszty oględzin oraz zwrotu towaru ponosi Kupujący.
- 17.** Kupujący może podnosić wobec Sprzedawcy roszczenia z tytułu odpowiedzialności za wady jedynie w przypadku łącznego spełnienia następujących przesłanek:
- 1) montaż produktu został wykonany przez autoryzowanych przedstawicieli Producenta,
 - 2) Kupujący posiada ważną kartę gwarancyjną zawierającą następujące dane:
 - a) imię i nazwisko oraz numer uprawnień instalatora (dotyczy instalacji urządzeń elektrycznych),
 - b) czytelny podpis instalatora,
 - c) datę i miejsce montażu,
 - d) pieczętkę Dystrybutora.
 - 3) wady produktu zostały niezwłocznie zgłoszone Producentowi w formie pisemnej, w terminach określonych w pkt 7 warunków gwarancji,
 - 4) produkt został zainstalowany i użytkowany zgodnie z instrukcją producenta,
 - 5) w produkcie nie zostały dokonane żadne zmiany lub naprawy przez osoby nieautoryzowane przez Producenta.
- 18.** Powyższe postanowienia określają całokształt odpowiedzialności sprzedawcy z tytułu wad przedmiotu umowy. Odpowiedzialność Producenta z tytułu gwarancji obejmuje tylko wady powstałe z przyczyn tkwiących w sprzedanej rzeczy. Dalsze roszczenia Kupującego, w szczególności roszczenia z tytułu rękojmi za wady produktu oraz roszczenia z tytułu szkód pośrednich, w tym także utraconych korzyści Kupującego, są wyłączone. Wyłączenie odpowiedzialności Producenta z tytułu rękojmi za wady produktu nie dotyczy umów zawieranych z konsumentami (od 1 stycznia 2021 r. nie dotyczy to również osoby fizycznej zawierającej umowę bezpośrednio związaną z jej działalnością gospodarczą, gdy z treści tej umowy wynika, że nie posiada ona dla niej charakteru zawodowego, wynikającego w szczególności z przedmiotu wykonywanej przez nią działalności gospodarczej, udostępnionego na podstawie przepisów o Centralnej Ewidencji i Informacji o Działalności Gospodarczej).
- 19.** Wszelkie uszkodzenia powstałe w wyniku niewłaściwego przechowywania produktu, jego złej obsługi i niepoprawnej konserwacji oraz innych przyczyn niespowodowanych przez Producenta mogą być usunięte wyłącznie na koszt Kupującego. W przypadku, kiedy wyżej wymienione przyczyny spowodowały trwałe zmiany jakościowe produktu, następuje utrata gwarancji.
- 20.** Jeżeli w momencie naprawy lub wymiany produkt nie jest już produkowany przez Producenta albo nie jest już produkowany w tej samej wersji (forma, kolor, opakowanie, wykończenie itd.), Gwarant jest upoważniony do zastąpienia go podobnym produktem.
- 21.** W przypadku zgłoszenia nieuzasadnionej reklamacji wszelkie koszty z tym związane ponosi Kupujący.
- 22.** Gwarant ma prawo żądać zapłaty kosztów wizyty serwisowej, jeżeli reklamacja Kupującego nie jest objęta zakresem niniejszej gwarancji. Ponadto, Kupujący jest zobowiązany do poniesienia wszelkich innych kosztów, w tym kosztów robocizny, kosztów badania produktu, jak również wszelkich innych kosztów poniesionych w związku z demontażem lub ponownym montażem produktu, oraz zabezpieczeniem produktu.
- 23.** Jeżeli zgodnie z niniejszą gwarancją Gwarant zobowiązał się do naprawy produktu, pierwotny okres gwarancyjny dotyczący takiego produktu będzie biegł dalej i zostanie przedłużony o okres, w którym Kupujący nie był w stanie korzystać z produktu z powodu usterki. Jeżeli zgodnie z niniejszą gwarancją Gwarant zobowiązał się do wymiany produktu (albo jego części) albo dokonał istotnej naprawy produktu, nowy okres gwarancyjny (dotyczący produktu albo jego części) powinien biec począwszy od dnia dostawy nowego produktu (albo jego części) albo dostawy naprawionego produktu.
- 24.** Gwarancja ma charakter uzupełniający w stosunku do uprawnień Kupującego przysługujących wobec Gwaranta na podstawie powszechnie obowiązujących przepisów prawa. Gwarancja nie wyłącza, nie ogranicza ani nie zawiesza uprawnień kupującego będącego konsumentem (a od 1 stycznia 2021 r. również osobą fizyczną zawierającą umowę bezpośrednio związaną z jej działalnością gospodarczą, gdy z treści tej umowy wynika, że nie posiada ona dla niej charakteru zawodowego, wynikającego w szczególności z przedmiotu wykonywanej przez nią działalności gospodarczej, udostępnionego na podstawie przepisów o Centralnej Ewidencji i Informacji o Działalności Gospodarczej), wynikających z przepisów o rękojmi za wady rzeczy sprzedanej.
- 25.** Gwarancja obowiązuje na terenie krajów, do których Producent sprzedął swoje produkty bezpośrednio.
- 26.** Sądem właściwym dla rozstrzygania sporów mogących wynikać z niniejszej gwarancji jest sąd właściwy miejscowo dla siedziby Producenta.
- 27.** W sprawach nieuregulowanych niniejszą gwarancją zastosowanie mają odpowiednie przepisy Kodeksu Cywilnego.



Vertex S.A. reserves the right to make technical changes - as of 12.09.2024

The prices in the price list are net prices, exclusive of 23% VAT - as of 05.06.2024



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