



Roller shutters **Horizontal Blinds** Fly screens



PRICE LIST OF FACADE BLINDS
2025 first edition

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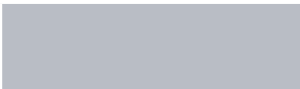
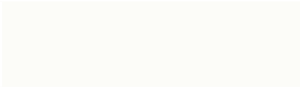
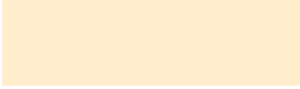
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FACADE BLINDS

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

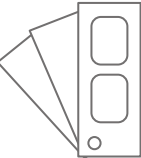
Lamels colour		C-80 i Z-90	C80 Flat
RAL 9006		✓	✓
RAL 7016		✓	✓
RAL 9016		✓	✓
RAL 1015		✓	—
RAL 8014		✓	—
RAL 7035		✓	✓
RAL 9005		✓	✓
RAL 9007		✓	✓
DB 703		extra	—

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

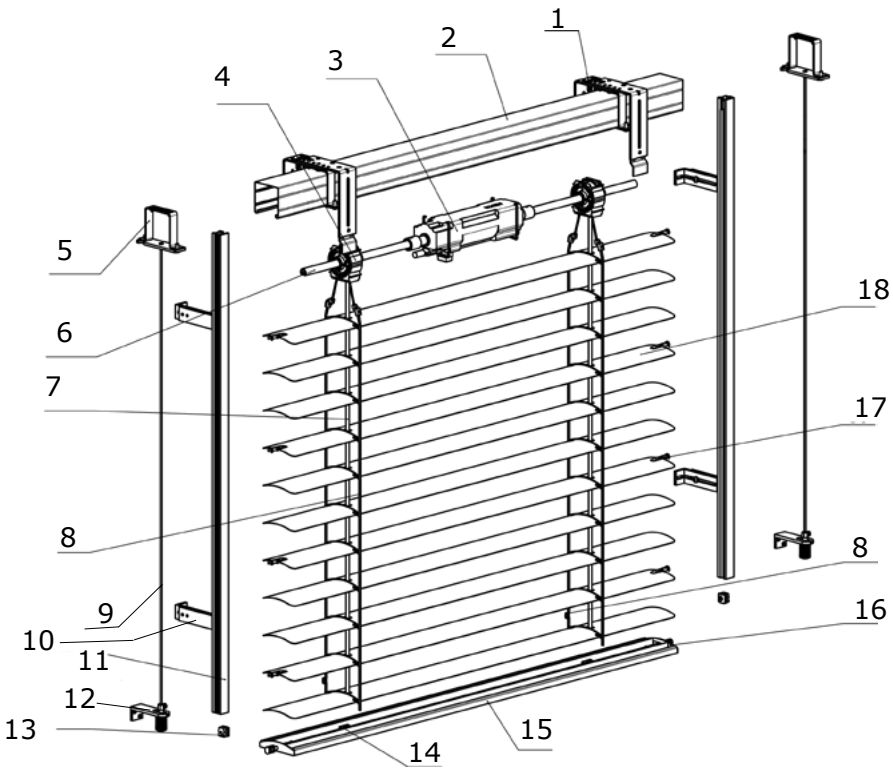
Element	Standard colours	Extra colours
Slides and slide holders	All RAL colours from the Vertex collection Page 83	Colour DB 703 +5% RAL colours outside the Vertex collection - individual pricing.
End list		
Cover sheets		
Tapestries		
String Ladders	grey	black



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

2. Top rail

3. Motor

4. Bearing

5. Rope hanger

6. Shaft

7. Tape

8. Ladder

9. Cable - interchangeable with guide bar
11. Guide

12. Wire handle

13. Guide stopper

14. Tape holder

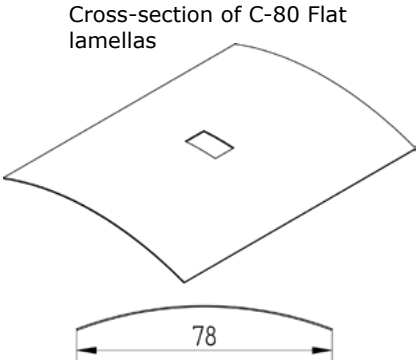
15. Bottom slat

16. End cap for end list

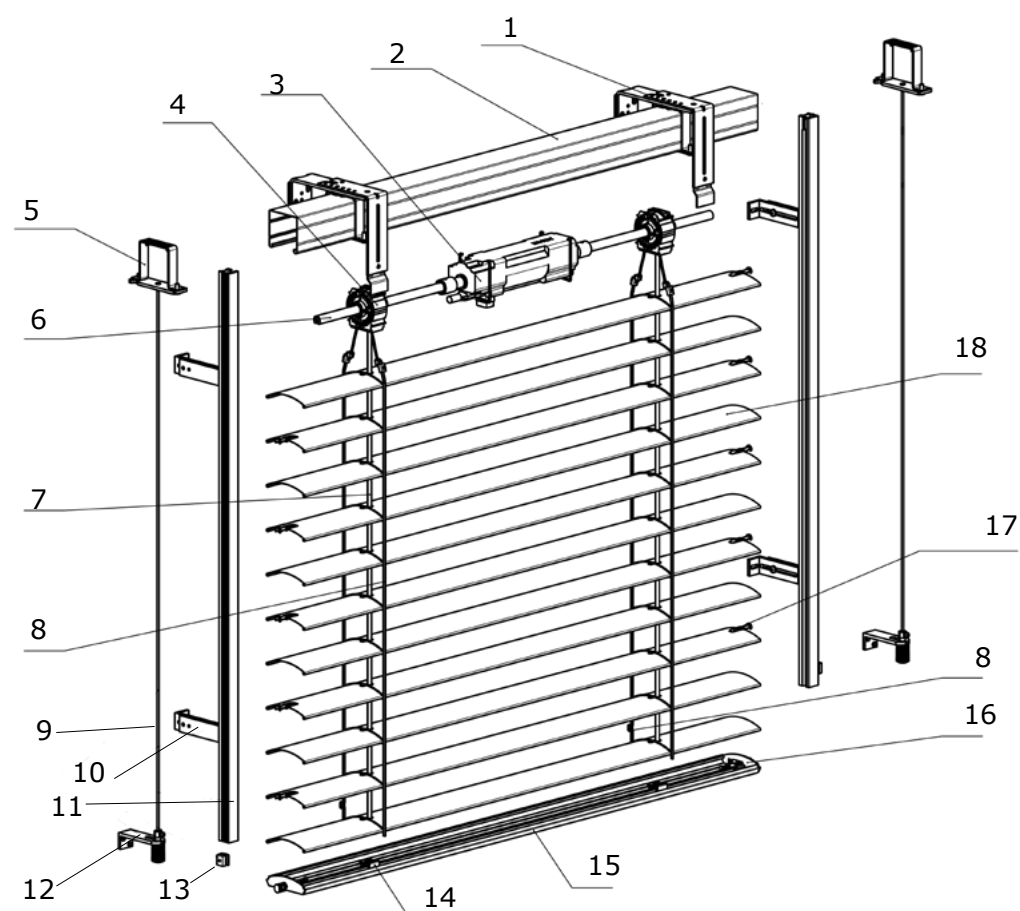
17. Pin

18. Lamela

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 h i d e s completely in the box. The simple, smoother, ergonomic shape also has its additional aesthetic appeal.



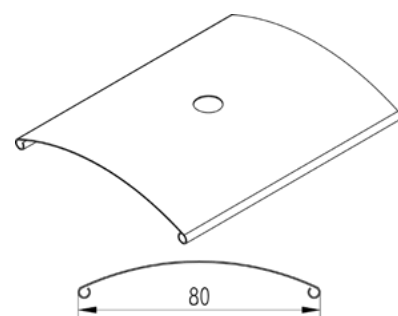
Facade louvre package with C-80 slats



- | | | |
|--------------------|---|--------------------------|
| 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

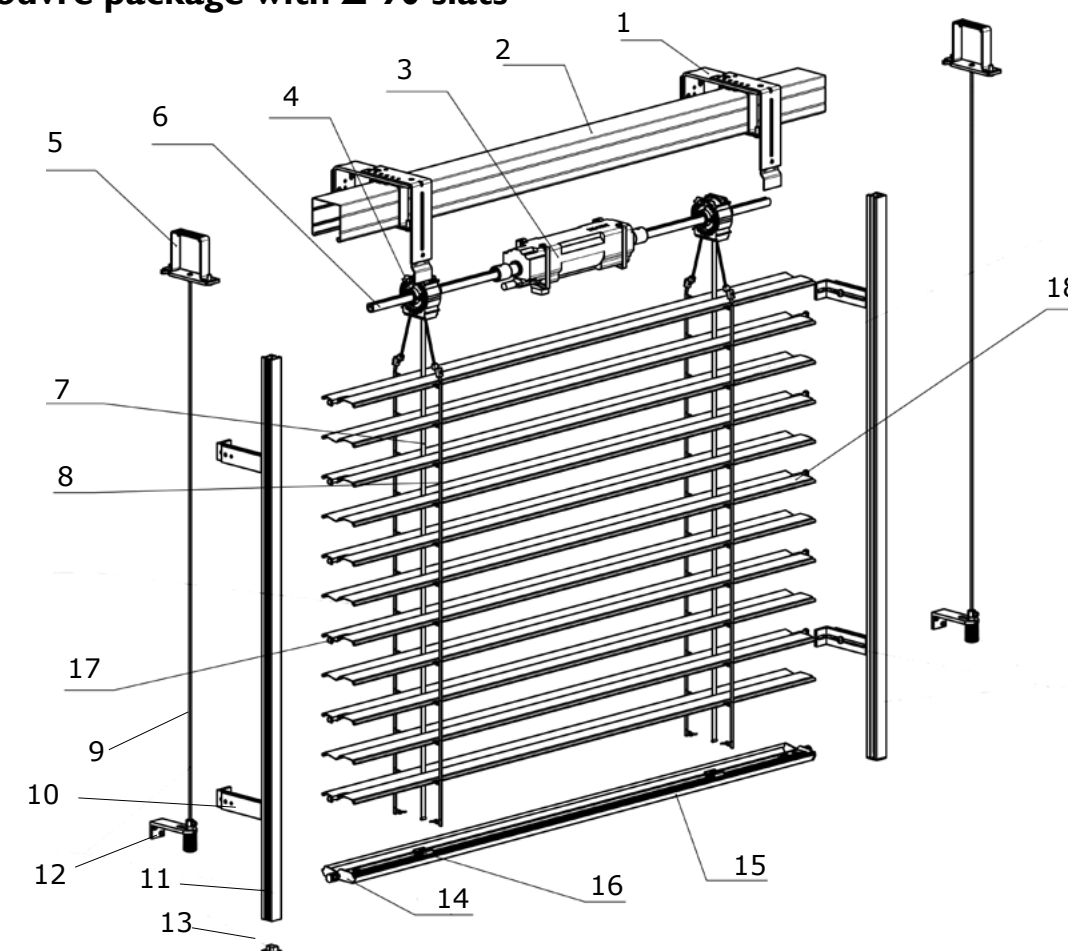
The C-80 façade louvre is fitted with 80 mm wide, 0.42 mm thick C-shaped aluminium louvres.



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.

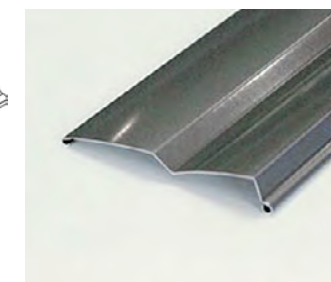
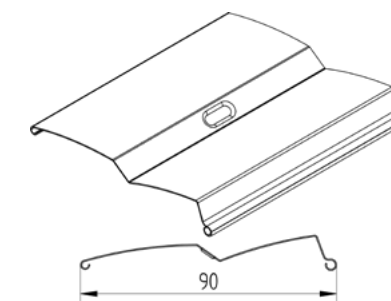
Facade louvre package with Z-90 slats



- | | | |
|--------------------|---|--------------------------|
| 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.

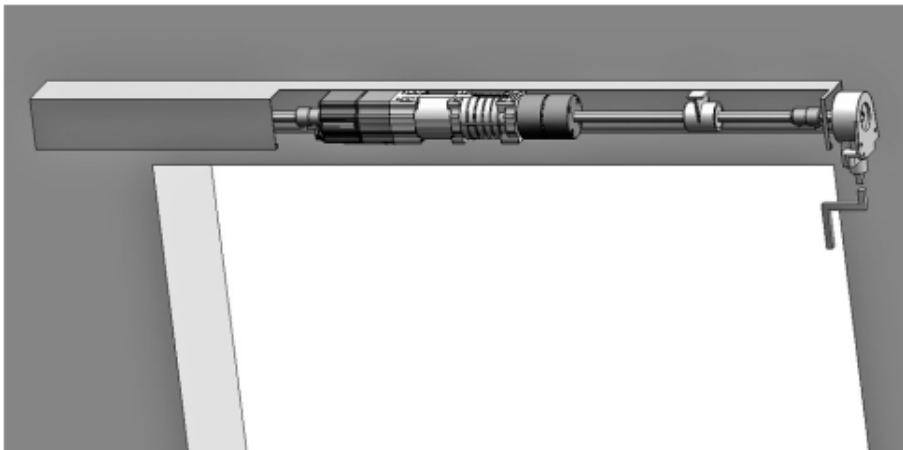
NOTE: When placing an order, specify the control side for the NHK drive.

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.



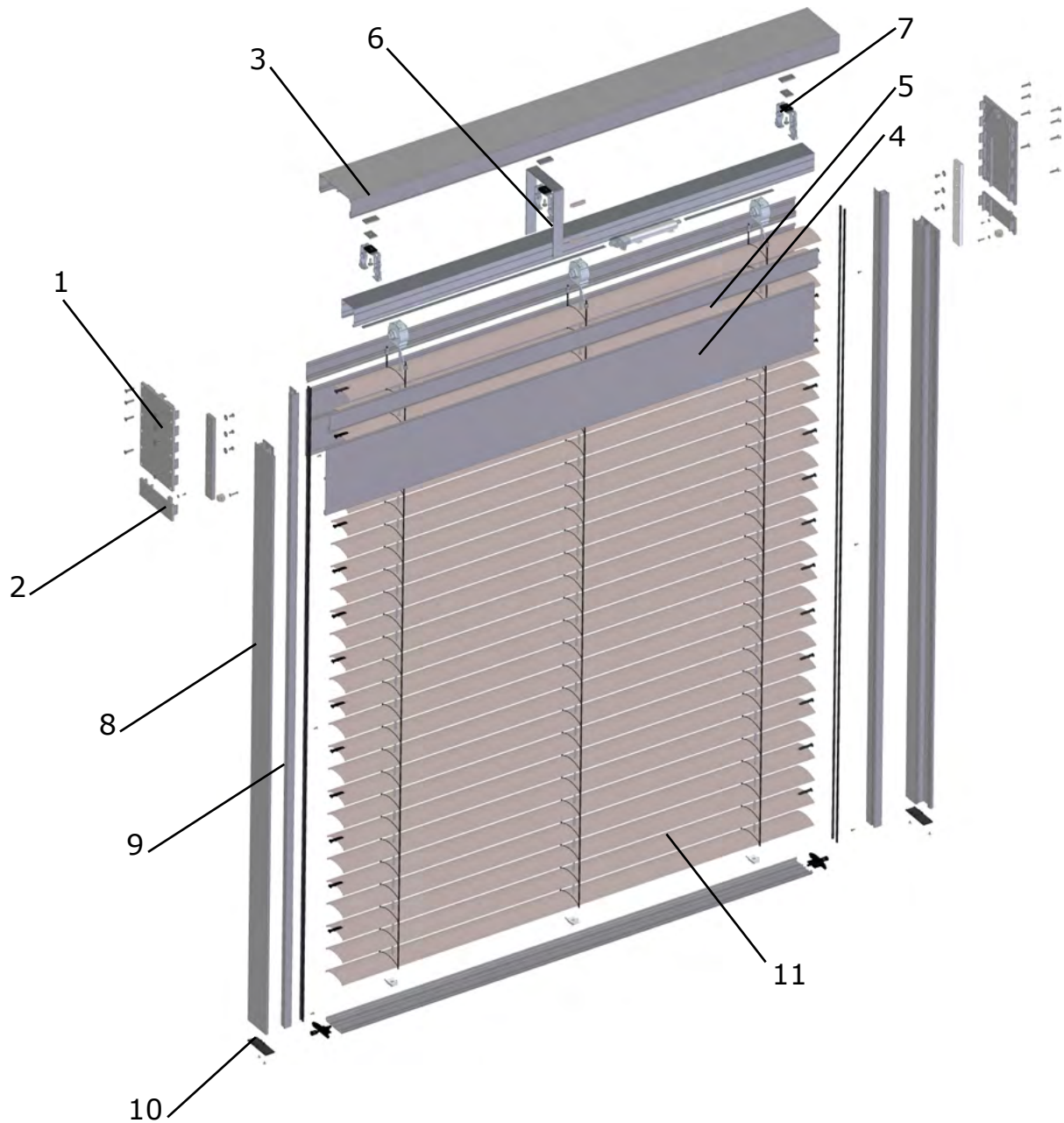
Motor JA10NHK



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.



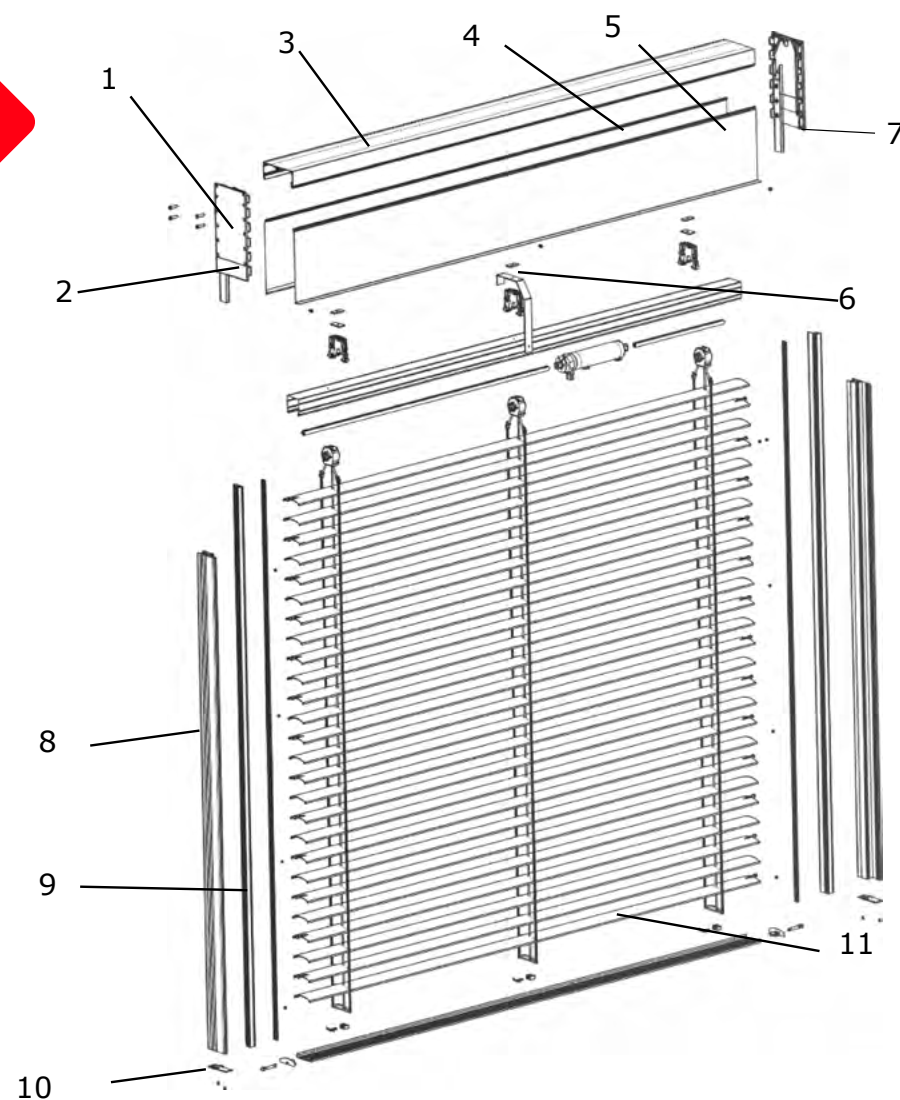
1. Side of the VBox
2. VBox extension module
3. VBox top box
4. Revision of the VBox 200
5. Revision of the VBox 50
6. Vbox reinforcement 200 for box 250 and 300, Vbox reinforcement 300 for box 350 and 400 Vbox reinforcement 400 for box 450 and 500

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

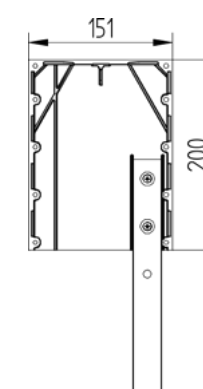


VBox ECO double-sided
carrier

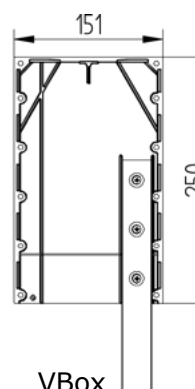
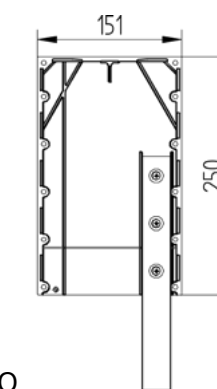


VBox ECO Termo

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

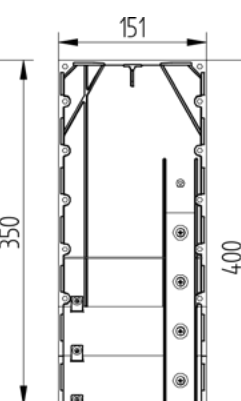
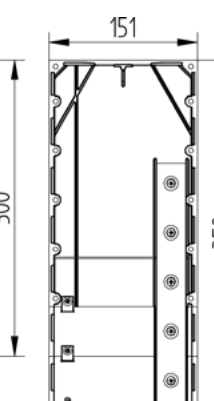
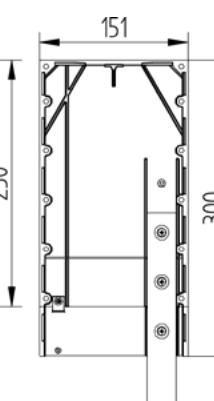
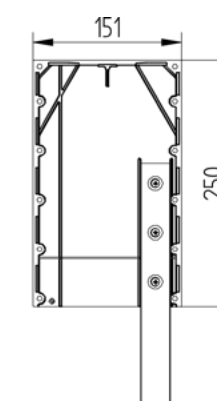


VBox ECO

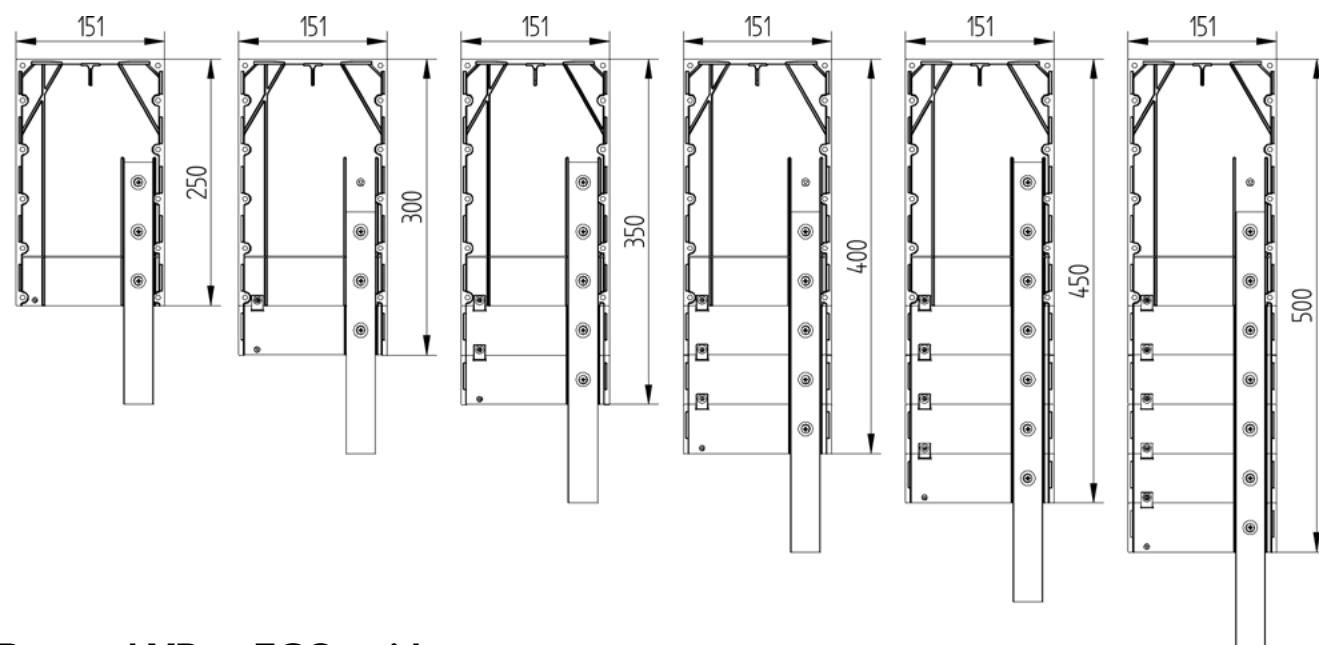


VBox

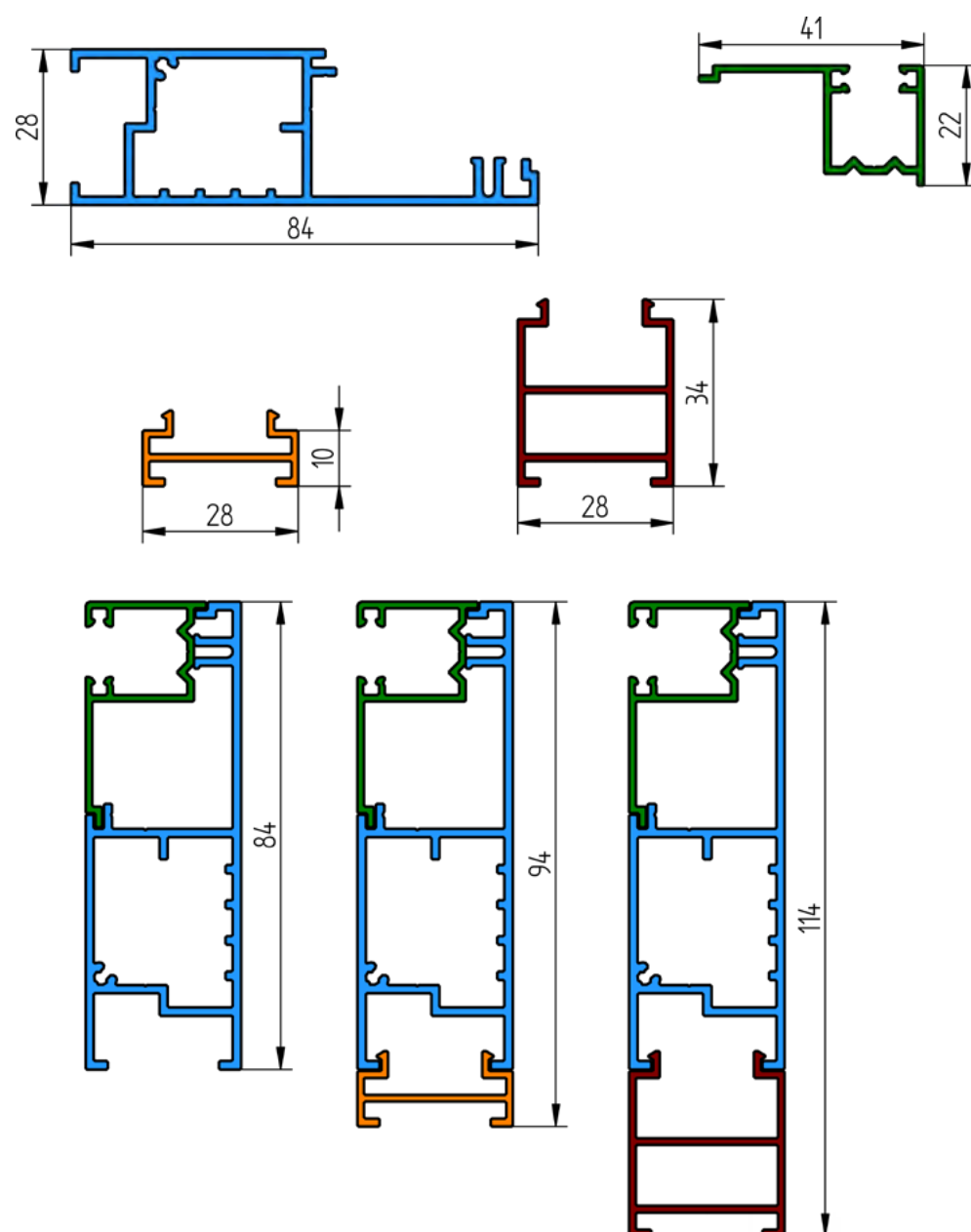
Dimensions of VBox ECO for the C-80 and Z-90 package



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

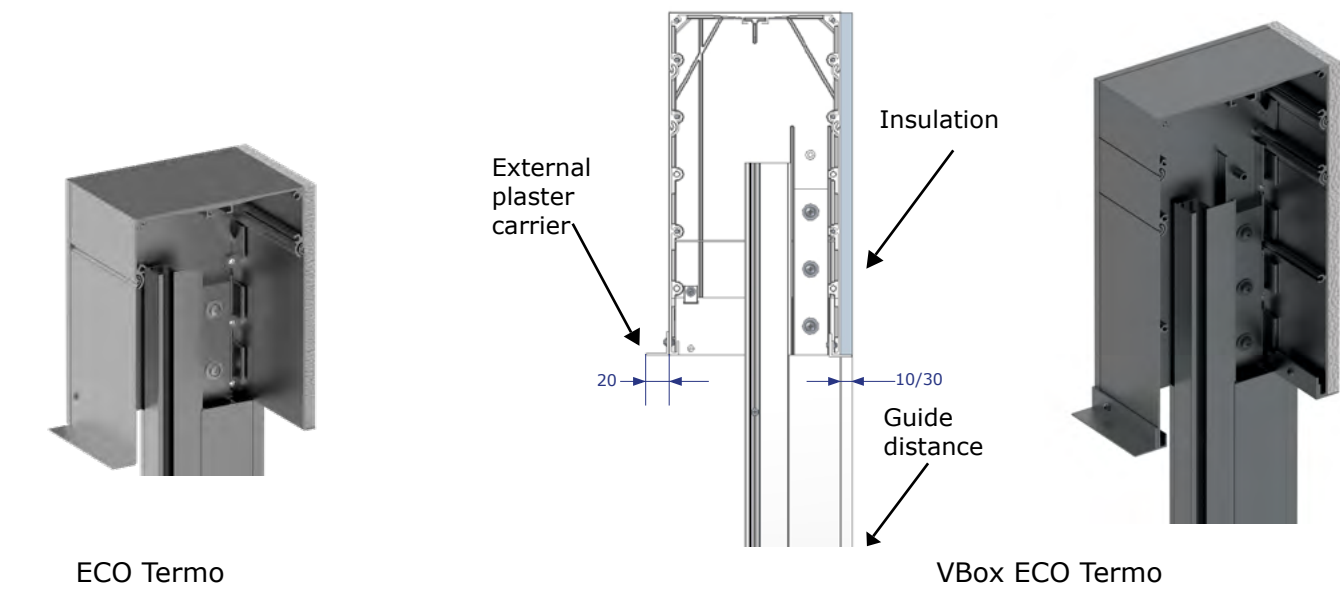
Maximum heights for facade blinds in VBox and VBox ECO boxes

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



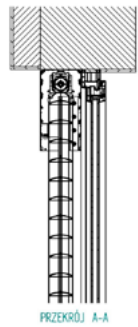
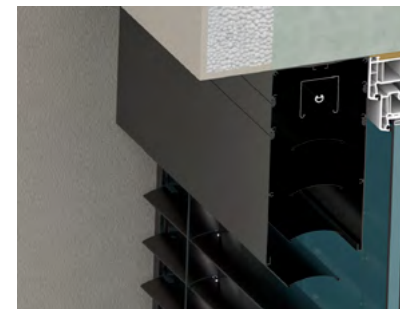
The Thermo version additionally features:

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

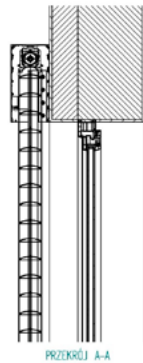
Types of installation of facade blinds in a VBox

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.

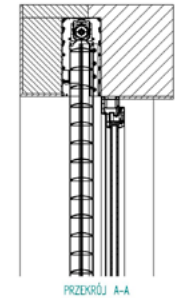
Recess mounting



Mounting on the wall



Mounting on the lintel



1.1 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
	4	3,8	3,6	3,4	3,2	3	2,8	2,6	2,4	2,2	2	1,8	1,6	1,4	1,2	1
Height																
151x250																
0,4	292	307	323	338	353	368	383	399	414	429	443	458	474	489	504	519
0,6	314	330	346	363	379	395	412	428	445	461	475	492	508	525	541	557
0,8	335	353	370	388	405	423	440	458	475	493	508	525	543	560	578	595
1,0	357	376	394	413	431	449	467	487	506	524	540	559	578	596	615	634
1,2	381	401	420	439	458	477	496	516	535	554	573	592	611	630	649	668
1,4	405	425	445	465	485	505	525	545	565	585	605	625	645	665	685	705
1,6	429	449	469	489	509	529	549	569	589	609	629	649	669	689	709	729
1,8	453	473	493	513	533	553	573	593	613	633	653	673	693	713	733	753
2,0	477	497	517	537	557	577	597	617	637	657	677	697	717	737	757	777
2,2	501	521	541	561	581	601	621	641	661	681	701	721	741	761	781	801
2,4	525	545	565	585	605	625	645	665	685	705	725	745	765	785	805	825
2,6	549	569	589	609	629	649	669	689	709	729	749	769	789	809	829	849
2,8	573	593	613	633	653	673	693	713	733	753	773	793	813	833	853	873
3,0	597	617	637	657	677	697	717	737	757	777	797	817	837	857	877	897
3,2	621	641	661	681	701	721	741	761	781	801	821	841	861	881	901	921
3,4	645	665	685	705	725	745	765	785	805	825	845	865	885	905	925	945
3,6	669	689	709	729	749	769	789	809	829	849	869	889	909	929	949	969
3,8	693	713	733	753	773	793	813	833	853	873	893	913	933	953	973	993
4,0	717	737	757	777	797	817	837	857	877	897	917	937	957	977	997	1017

- 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	305	331	356	382	420	445	474	499	525	562	591	616	642	680	708	734	759	785
	0,6	323	350	376	403	442	469	498	525	551	591	620	647	674	713	743	769	796	823
	0,8	340	368	396	424	464	492	523	551	578	619	650	678	705	746	777	805	833	860
	1,0	358	387	415	444	487	515	548	576	605	648	680	709	738	780	812	841	870	899
	1,2	375	405	435	465	509	539	572	602	632	676	710	740	770	814	847	876	906	936
	1,4	393	424	455	486	532	563	597	628	659	705	739	770	801	847	881	912	944	975
	1,6	410	443	475	507	554	586	622	654	686	734	769	801	833	880	916	948	980	1 013
	1,8	428	461	495	528	577	610	646	680	713	762	799	832	865	914	950	984	1 017	1 050
	2,0	445	480	514	549	599	634	671	706	740	790	828	863	897	948	985	1 020	1 054	1 089
	2,2	463	499	534	570	622	657	696	731	767	819	858	894	929	981	1 020	1 055	1 091	1 126
	2,4	479	515	552	588	641	678	717	754	790	843	883	919	955	1 009	1 048	1 085	1 121	1 157
	2,6	497	534	572	609	664	701	742	780	817	872	913	950	987	1 042	1 083	1 120	1 158	1 195
	2,8	514	553	591	630	686	725	767	805	844	900	942	981	1 019	1 076	1 118	1 156	1 195	1 233
	3,0	532	571	611	651	709	749	791	831	871	929	972	1 011	1 051	1 109	1 152	1 192	1 231	1 271
	3,2	550	590	631	672	731	772	816	857	898	958	1 001	1 042	1 083	1 143	1 187	1 228	1 290	1 331
	3,4	567	609	651	693	754	796	841	883	925	986	1 031	1 073	1 115	1 176	1 221	1 285	1 327	1 369
3,6	585	628	670	714	776	820	866	909	952	1 015	1 061	1 104	1 147	1 231	1 278	1 321	1 364	1 407	
3,8	602	646	690	735	799	843	890	935	979	1 043	1 090	1 135	1 200	1 265	1 313	1 356	1 401	1 445	
4,0	620	665	710	755	821	867	915	960	1 006	1 072	1 120	1 187	1 233	1 299	1 347	1 392	1 438	1 483	



- 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	312	340	366	394	433	460	490	518	545	584	615	641	669	708	738	765	793	820
	0,6	332	360	389	417	458	486	518	546	574	615	646	675	703	744	775	804	832	860
	0,8	352	381	410	440	483	512	544	574	603	645	678	708	737	780	812	841	871	900
	1,0	371	402	433	463	507	538	571	602	632	676	710	740	771	815	849	879	910	940
	1,2	391	423	455	486	532	563	598	630	661	707	742	774	805	851	886	917	949	980
	1,4	411	444	476	509	556	589	625	658	690	738	774	806	839	886	923	955	988	1 021
	1,6	431	465	498	532	581	615	652	686	720	769	806	840	874	922	960	993	1 027	1 061
	1,8	450	485	520	555	606	641	679	714	749	800	838	873	908	958	996	1 031	1 066	1 101
	2,0	470	506	542	578	630	666	706	742	778	830	870	905	942	994	1 033	1 069	1 105	1 141
	2,2	490	527	564	601	655	693	733	770	807	861	901	939	976	1 030	1 070	1 107	1 145	1 181
	2,4	508	546	584	622	677	715	756	794	832	887	928	966	1 004	1 059	1 100	1 139	1 176	1 214
	2,6	528	567	606	645	702	741	783	822	861	918	960	1 000	1 039	1 095	1 137	1 176	1 215	1 255
	2,8	548	588	628	669	726	767	810	850	890	949	992	1 032	1 073	1 131	1 174	1 214	1 255	1 295
	3,0	568	609	650	691	751	793	837	879	920	980	1 024	1 065	1 107	1 166	1 211	1 252	1 294	1 335
	3,2	587	630	672	715	776	819	864	906	949	1 010	1 056	1 099	1 141	1 202	1 248	1 290	1 355	1 397
	3,4	607	650	694	738	801	844	891	935	978	1 041	1 088	1 131	1 175	1 238	1 285	1 350	1 394	1 437
3,6	627	671	716	761	825	870	918	963	1 007	1 072	1 120	1 165	1 209	1 295	1 343	1 388	1 433	1 477	
3,8	646	692	738	784	850	896	945	991	1 036	1 103	1 152	1 198	1 265	1 331	1 380	1 426	1 472	1 518	
4,0	666	713	760	807	875	921	972	1 019	1 065	1 134	1 184	1 252	1 299	1 367	1 417	1 464	1 511	1 558	



- 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	267	285	303	321	354	372	393	411	430	462	484	501	520	552	574	592	610	628
		0,6	282	301	321	340	374	393	416	435	454	488	511	530	550	583	606	625	645	664
		0,8	297	318	338	359	394	415	438	459	479	515	538	559	579	615	638	659	679	700
		1,0	313	334	355	377	414	436	460	482	504	541	565	587	609	646	670	692	714	735
		1,2	328	350	373	396	435	457	483	506	528	567	593	615	638	677	703	725	748	771
		1,4	343	367	390	414	455	479	505	529	553	593	620	644	668	708	735	759	783	806
		1,6	358	383	408	433	475	500	528	553	578	620	648	673	698	740	768	793	817	842
		1,8	374	400	425	451	495	521	550	576	602	646	675	701	727	771	800	826	852	878
		2,0	389	416	443	470	515	542	573	600	627	672	703	730	757	802	832	859	886	914
		2,2	423	452	482	511	560	589	622	652	681	730	762	792	821	870	903	932	962	991
151x250		2,4	437	467	498	528	577	608	641	671	702	751	785	815	845	895	929	959	989	1 020
		2,6	452	484	515	546	597	629	664	695	726	778	812	844	875	926	961	992	1 024	1 055
		2,8	467	500	532	565	618	650	686	719	751	804	840	872	905	957	993	1 026	1 058	1 091
		3,0	482	516	550	584	638	671	708	742	776	830	867	901	934	989	1 025	1 059	1 093	1 127
		3,2	498	533	567	602	658	693	731	766	800	856	894	929	964	1 020	1 058	1 093	1 149	1 184
		3,4	513	549	585	621	678	714	753	789	825	883	922	958	994	1 051	1 090	1 148	1 184	1 220
		3,6	528	565	602	639	698	735	776	813	850	909	949	986	1 023	1 104	1 144	1 181	1 218	1 255
		3,8	543	581	620	658	719	757	798	836	875	935	976	1 015	1 075	1 135	1 176	1 215	1 253	1 291
		4,0	559	598	637	676	739	778	820	860	899	961	1 004	1 065	1 104	1 166	1 209	1 248	1 288	1 327



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	271	290	308	327	360	379	400	419	438	471	493	511	530	563	585	604	622	641
	0,6	289	308	328	348	383	402	425	445	465	500	523	542	562	596	620	640	659	679
	0,8	306	327	348	369	405	426	450	471	492	528	552	573	594	630	654	675	696	717
	1,0	324	345	368	390	427	450	475	497	519	556	582	604	626	664	689	711	733	755
	1,2	341	364	387	410	450	473	500	523	546	585	611	635	658	697	724	747	770	793
	1,4	359	383	407	431	472	496	524	549	573	614	641	665	690	730	758	783	807	831
	1,6	376	401	427	452	495	520	549	574	600	642	671	696	722	764	793	818	844	869
	1,8	394	420	446	473	517	544	574	600	627	671	700	727	754	798	828	854	880	907
	2,0	411	439	466	494	540	568	598	626	654	699	730	758	785	831	862	890	918	945
	2,2	447	477	507	538	586	616	650	680	710	759	792	822	853	901	935	965	995	1 025
151x250	2,4	463	494	525	556	606	637	671	702	733	783	817	848	879	929	963	994	1 025	1 055
	2,6	481	513	545	577	629	660	696	728	760	811	846	879	911	962	998	1 030	1 061	1 094
	2,8	498	531	565	598	651	684	720	754	787	840	876	910	943	996	1 032	1 065	1 098	1 131
	3,0	516	550	584	619	673	708	745	780	814	869	906	940	975	1 029	1 067	1 101	1 135	1 170
	3,2	533	569	604	640	696	731	770	805	841	897	936	971	1 006	1 063	1 101	1 137	1 194	1 229
	3,4	551	588	624	660	718	755	795	831	868	925	965	1 002	1 038	1 096	1 136	1 194	1 231	1 267
	3,6	569	606	644	681	741	779	820	857	895	954	995	1 033	1 070	1 151	1 192	1 230	1 268	1 305
	3,8	586	625	664	702	763	802	844	883	921	983	1 025	1 064	1 124	1 185	1 227	1 266	1 305	1 343
	4,0	604	643	683	723	786	826	869	909	949	1 011	1 055	1 116	1 156	1 219	1 261	1 301	1 341	1 381



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	275	295	314	333	366	386	408	428	447	480	503	522	541	575	597	616	635	655
		0,6	295	315	336	356	391	411	435	455	476	511	535	555	575	610	634	654	675	695
		0,8	315	336	358	379	416	437	462	484	505	542	566	588	609	646	671	692	714	735
		1,0	334	357	380	402	440	463	489	511	534	573	598	621	644	682	708	730	753	775
		1,2	354	378	401	425	465	489	516	540	563	603	630	654	678	718	744	768	792	815
		1,4	374	399	424	448	490	515	543	568	593	634	662	687	712	753	781	806	831	856
		1,6	394	420	445	471	515	540	570	596	622	665	694	720	746	789	818	844	870	896
		1,8	413	440	468	495	539	566	596	624	651	695	726	753	780	825	855	882	909	936
		2,0	433	461	489	518	564	592	624	652	680	726	758	786	814	860	892	920	948	976
		2,2	471	501	532	563	612	643	677	708	739	788	822	853	884	933	967	998	1 029	1 060
151x250		2,4	489	521	552	584	635	666	701	732	764	814	849	881	912	963	998	1 029	1 060	1 092
		2,6	509	541	574	607	659	692	728	760	793	845	881	914	946	999	1 035	1 067	1 100	1 133
		2,8	529	563	596	630	684	718	755	788	822	876	913	947	980	1 034	1 071	1 105	1 139	1 173
		3,0	548	583	618	653	709	743	781	816	851	907	945	980	1 015	1 070	1 108	1 143	1 178	1 213
		3,2	568	604	640	676	733	769	809	845	880	938	977	1 013	1 049	1 106	1 145	1 181	1 239	1 275
		3,4	588	625	662	699	758	795	835	873	910	968	1 009	1 046	1 083	1 141	1 182	1 240	1 278	1 315
		3,6	608	646	684	723	783	821	862	900	939	999	1 040	1 079	1 117	1 199	1 240	1 279	1 317	1 355
		3,8	627	667	706	745	807	846	889	929	968	1 030	1 072	1 112	1 173	1 235	1 277	1 316	1 356	1 395
		4,0	647	688	728	769	832	873	916	957	997	1 060	1 104	1 166	1 207	1 270	1 314	1 355	1 395	1 435
		Height																		



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 napéd manual.

Internal and external render carrier in standard colour: 30 mm

insulation

Guide rail distance30 mm

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	269	288	307	326	351	371	394	414	433	458	481	501	520	545	568	588	607	626
	0,6	281	302	322	343	369	389	414	434	454	480	505	525	546	572	596	617	638	658
	0,8	294	316	337	359	386	408	434	455	476	504	529	551	572	600	625	647	668	690
	1,0	308	330	353	375	404	426	453	475	498	526	554	575	598	627	653	676	698	721
	1,2	321	344	368	391	421	445	472	496	519	550	577	601	624	655	682	705	729	753
151x300	1,4	334	358	383	407	439	463	492	516	540	573	601	626	650	682	710	735	759	784
	1,6	347	373	397	423	456	482	511	537	563	596	625	650	676	710	739	765	790	815
	1,8	364	390	416	443	478	504	535	561	588	622	653	679	706	741	771	798	824	851
	2,0	385	415	445	475	514	545	578	609	639	678	713	743	773	811	846	876	906	936
	2,2	398	429	460	491	532	563	598	630	661	701	736	767	799	839	875	905	937	968
151x350	2,4	410	441	473	505	547	578	615	646	678	720	756	788	820	861	897	929	961	993
	2,6	430	463	495	529	572	604	641	674	707	750	787	820	853	896	933	966	998	1 031
	2,8	451	488	524	561	608	645	686	723	759	806	848	884	920	968	1 009	1 046	1 082	1 119
	3,0	465	502	540	577	626	663	705	743	781	829	872	909	946	995	1 038	1 075	1 124	1 161
	3,2	478	516	554	593	643	682	725	764	802	853	895	934	972	1 023	1 066	1 115	1 154	1 192
151x400	3,4	494	534	573	613	664	704	748	788	828	879	923	963	1 003	1 054	1 109	1 149	1 189	1 228
	3,6	515	559	601	645	701	744	792	835	879	935	983	1 026	1 080	1 136	1 184	1 227	1 270	1 314
	3,8	529	573	617	661	719	763	812	856	900	958	1 006	1 061	1 106	1 163	1 212	1 256	1 301	1 345

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 napéd manual.

External render carrier in standard colour.



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	
151x250	0,4	278	300	323	345	373	395	422	445	467	495	521	544	566	594	620	643	665	688
	0,6	291	314	338	361	390	414	441	465	488	518	545	569	592	621	649	672	696	719
	0,8	304	328	353	377	408	432	461	485	510	541	569	594	618	650	677	702	726	751
	1,0	317	343	368	393	426	451	481	506	531	564	594	619	645	679	707	732	757	783
	1,2	330	356	383	409	443	469	500	527	553	589	617	644	671	708	737	763	790	815
	1,4	343	371	398	425	463	490	520	547	575	613	643	670	697	737	767	794	821	849
	1,6	356	385	413	441	482	510	541	569	597	639	669	697	725	767	797	825	854	881
	1,8	388	419	450	482	527	559	593	625	656	701	735	767	798	844	878	909	940	972
151x300	2,0	403	435	467	500	546	578	613	645	678	724	759	791	824	870	905	938	970	1 002
	2,2	418	451	485	518	565	599	635	668	701	749	785	818	852	900	935	969	1 002	1 035
151x350	2,4	432	466	500	534	583	617	654	687	721	770	807	840	875	924	960	994	1 028	1 062
	2,6	466	503	540	578	632	669	709	746	784	838	878	915	953	1 006	1 047	1 084	1 121	1 159
151x400	2,8	481	519	557	595	650	689	730	768	805	861	902	940	978	1 034	1 074	1 113	1 150	1 189
	3,0	496	535	574	614	670	709	751	790	829	886	928	967	1 006	1 063	1 105	1 144	1 184	1 224
151x400	3,2	511	551	591	631	690	730	773	813	853	911	954	994	1 034	1 092	1 135	1 174	1 234	1 274
	3,4	543	586	630	673	735	779	825	868	911	974	1 020	1 063	1 107	1 169	1 214	1 277	1 321	1 365
	3,6	558	602	646	690	754	798	845	889	934	997	1 044	1 088	1 132	1 215	1 262	1 306	1 350	1 395
	3,8	573	618	663	709	773	818	866	912	957	1 021	1 070	1 114	1 179	1 244	1 292	1 337	1 382	1 428

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 napęđ 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	
151x250	0,4	285	310	335	359	396	421	449	474	498	535	563	588	612	649	676	701	726	751
	0,6	303	329	355	381	418	444	473	499	525	563	592	618	644	681	710	736	762	788
	0,8	321	348	375	402	441	468	498	525	552	591	621	648	675	714	744	771	798	825
	1,0	339	367	395	423	464	492	523	550	579	619	650	678	706	747	778	805	834	861
	1,2	358	386	415	444	486	515	548	576	605	647	679	709	738	780	811	840	870	899
	1,4	375	405	435	465	509	539	572	602	632	675	709	739	769	812	845	875	905	935
	1,6	394	425	456	487	532	563	597	628	659	704	738	769	800	845	879	910	941	972
	1,8	428	463	498	532	581	616	654	688	723	772	810	844	879	928	966	1 000	1 035	1 070
	2,0	446	481	517	553	603	639	677	713	748	799	837	873	908	959	997	1 033	1 068	1 104
	2,2	464	501	537	574	626	663	702	739	775	827	866	903	940	991	1 031	1 067	1 104	1 140
151x300	2,4	481	519	556	593	646	683	724	761	798	851	891	928	966	1 019	1 059	1 096	1 133	1 170
	2,6	518	559	600	641	700	740	784	825	866	925	968	1 009	1 050	1 109	1 152	1 193	1 234	1 275
151x350	2,8	536	578	620	661	721	763	808	849	891	951	995	1 037	1 079	1 139	1 184	1 225	1 267	1 309
	3,0	554	597	640	683	744	786	832	875	918	979	1 025	1 068	1 110	1 172	1 217	1 260	1 302	1 345
151x400	3,2	573	616	660	704	767	810	857	901	945	1 008	1 054	1 098	1 141	1 205	1 251	1 294	1 359	1 403
	3,4	607	655	702	749	816	864	914	961	1 009	1 075	1 126	1 173	1 221	1 288	1 337	1 405	1 453	1 500
	3,6	625	673	721	770	838	886	937	985	1 034	1 102	1 153	1 201	1 250	1 338	1 389	1 438	1 486	1 534
	3,8	643	692	741	791	860	910	962	1 011	1 060	1 130	1 183	1 231	1 301	1 371	1 423	1 473	1 522	1 571

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 napęđ 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	268	287	306	325	350	369	392	411	430	455	478	497	516	540	564	583	601	621
	0,6	283	303	323	343	370	390	415	435	455	482	506	526	547	574	598	618	638	658
	0,8	296	317	338	359	387	408	434	454	475	504	529	550	571	600	625	645	667	688
	1,0	310	333	355	377	408	430	456	478	501	531	558	580	601	633	659	681	703	726
151x300	1,2	324	346	369	392	425	448	475	498	520	553	580	603	626	658	686	709	732	755
	1,4	338	362	387	410	445	469	498	522	546	580	609	633	657	691	720	744	768	793
	1,6	351	376	401	426	462	487	516	541	566	602	631	656	681	718	746	772	796	821
	1,8	366	392	418	444	483	509	539	565	591	630	660	686	713	750	781	807	833	859
151x350	2,0	391	420	450	480	522	552	586	615	645	688	721	752	781	824	858	887	917	946
	2,2	405	436	467	498	543	574	609	640	670	715	750	781	812	856	891	923	953	985
	2,4	418	450	482	514	560	591	627	659	691	737	773	805	836	882	919	950	982	1 014
	2,6	433	466	499	532	580	613	650	684	716	765	802	835	868	916	954	987	1 020	1 053
151x400	2,8	461	498	535	570	623	660	701	738	774	826	868	904	940	993	1 034	1 071	1 107	1 144
	3,0	476	514	551	589	643	681	724	761	799	854	896	934	971	1 026	1 069	1 106	1 155	1 192
	3,2	489	528	566	604	660	699	742	781	819	875	919	957	995	1 052	1 095	1 144	1 183	1 221
	3,4	503	543	583	623	681	720	765	805	844	903	948	987	1 026	1 085	1 140	1 180	1 220	1 259
151x450	3,6	516	557	598	638	698	739	784	824	865	925	970	1 010	1 061	1 121	1 167	1 207	1 248	1 288
	3,8	543	587	632	676	741	785	834	879	923	988	1 038	1 093	1 137	1 201	1 251	1 295	1 340	1 384
	4,0	556	601	646	692	758	804	854	899	945	1 010	1 072	1 117	1 163	1 229	1 279	1 325	1 370	1 415
	4,2	570	617	664	710	778	825	876	923	969	1 038	1 100	1 147	1 194	1 261	1 314	1 360	1 406	1 453
151x500	4,4	584	631	678	725	796	843	895	943	990	1 071	1 123	1 170	1 218	1 288	1 340	1 388	1 473	1 520
	4,6	598	647	695	744	816	864	918	966	1 026	1 098	1 152	1 200	1 248	1 321	1 375	1 461	1 509	1 558

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	
Height	0,4	278	300	322	344	371	393	420	442	464	498	523	545	568	602	628	650	673	695
	0,6	292	315	339	362	392	415	443	466	489	523	548	571	595	631	657	680	704	727
	0,8	305	329	353	378	414	438	465	490	515	553	580	605	630	668	695	720	745	769
	1,0	320	345	370	395	434	459	487	512	538	578	606	631	656	697	725	750	775	801
	1,2	335	361	388	414	458	484	513	540	566	609	638	665	691	734	764	790	816	843
	1,4	351	378	405	433	477	505	535	562	589	634	664	691	718	763	793	820	847	875
	1,6	369	397	425	454	501	530	561	589	618	665	696	725	753	800	831	860	888	916
	1,8	385	414	443	472	521	550	582	611	641	690	721	751	780	829	861	890	919	948
	2,0	418	450	483	516	570	602	638	670	703	757	792	825	858	911	947	980	1 012	1 045
	2,2	434	467	500	534	590	623	659	693	726	781	818	851	885	940	976	1 010	1 043	1 077
2,4	451	486	521	555	613	648	685	720	755	813	850	885	919	977	1 015	1 049	1 084	1 119	
2,6	467	503	538	573	633	669	707	742	778	837	875	911	946	1 006	1 044	1 080	1 115	1 150	
2,8	503	541	580	620	685	724	766	805	844	910	951	990	1 029	1 095	1 136	1 175	1 215	1 253	
3,0	519	558	598	638	705	745	787	827	867	934	976	1 016	1 056	1 124	1 166	1 206	1 245	1 285	
3,2	536	577	618	659	729	770	814	855	895	965	1 009	1 050	1 091	1 161	1 204	1 245	1 305	1 346	
3,4	552	594	635	677	749	790	835	876	918	990	1 035	1 076	1 118	1 190	1 234	1 295	1 336	1 378	
3,6	570	613	655	699	773	816	861	904	947	1 021	1 067	1 110	1 152	1 246	1 291	1 335	1 377	1 420	
3,8	601	647	693	739	817	863	912	958	1 004	1 082	1 131	1 176	1 242	1 320	1 369	1 415	1 460	1 506	
4,0	619	666	713	760	841	888	938	985	1 032	1 113	1 162	1 229	1 276	1 357	1 407	1 454	1 501	1 548	
4,2	635	683	730	779	861	909	959	1 007	1 055	1 138	1 208	1 255	1 304	1 386	1 436	1 485	1 532	1 744	
4,4	652	701	750	800	885	934	986	1 035	1 084	1 169	1 240	1 289	1 338	1 423	1 475	1 524	1 734	1 784	
4,6	668	718	768	818	905	955	1 007	1 057	1 106	1 213	1 265	1 315	1 365	1 452	1 505	1 716	1 765	1 815	

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



VBox ECO

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	288	313	338	364	401	426	455	480	505	543	571	596	621	659	687	712	738	763
	0,6	307	333	359	385	424	450	479	505	531	571	600	626	652	691	720	746	772	798
	0,8	327	355	382	409	451	479	509	536	563	605	636	663	690	733	763	790	817	844
	1,0	346	374	402	430	474	503	533	561	590	634	665	693	720	765	795	824	852	880
	1,2	366	396	425	455	501	531	563	592	621	668	700	730	759	805	838	867	896	926
	1,4	385	415	446	476	524	554	587	618	648	696	729	760	790	838	871	901	931	961
	1,6	406	438	469	500	551	583	617	648	680	731	765	796	828	879	914	945	976	1 008
	1,8	425	457	489	521	574	606	642	674	706	759	794	826	859	911	946	979	1 011	1 043
	2,0	461	497	533	569	627	663	702	738	774	832	870	907	943	1 001	1 040	1 075	1 111	1 147
	2,2	480	517	554	590	650	687	726	763	800	860	900	936	973	1 033	1 073	1 109	1 146	1 183
151x300	2,4	501	539	577	615	677	715	756	794	832	895	935	974	1 011	1 074	1 115	1 153	1 191	1 229
	2,6	520	558	597	636	700	739	781	820	858	923	964	1 003	1 042	1 106	1 148	1 187	1 225	1 264
151x350	2,8	559	601	644	686	757	800	845	888	930	1 001	1 046	1 089	1 131	1 202	1 248	1 290	1 333	1 375
	3,0	577	620	664	707	780	824	870	913	956	1 029	1 075	1 118	1 162	1 235	1 280	1 324	1 367	1 410
151x400	3,2	598	643	687	732	807	852	899	944	989	1 064	1 111	1 156	1 200	1 275	1 323	1 367	1 432	1 477
	3,4	617	662	708	753	830	875	924	969	1 015	1 092	1 140	1 185	1 231	1 308	1 355	1 422	1 467	1 513
151x500	3,6	637	684	731	778	857	904	953	1 000	1 047	1 126	1 176	1 223	1 269	1 369	1 419	1 465	1 512	1 559
	3,8	672	722	772	822	906	956	1 009	1 059	1 109	1 193	1 245	1 295	1 365	1 450	1 502	1 552	1 602	1 652
151x600	4,0	693	744	795	846	933	984	1 038	1 090	1 140	1 227	1 280	1 353	1 404	1 490	1 545	1 595	1 647	1 698
	4,2	711	764	815	868	956	1 008	1 063	1 115	1 167	1 255	1 330	1 383	1 435	1 523	1 578	1 630	1 682	1 886
151x750	4,4	732	785	839	892	983	1 036	1 093	1 146	1 199	1 290	1 366	1 420	1 473	1 564	1 620	1 673	1 878	1 931
	4,6	751	805	859	913	1 006	1 060	1 117	1 171	1 225	1 338	1 395	1 449	1 503	1 596	1 653	1 858	1 912	1 966



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	283	303	323	344	370	390	415	435	456	481	506	527	547	574	598	619	639	660
	0,6	296	318	339	361	388	410	435	457	478	506	532	553	575	602	628	650	671	693
	0,8	310	333	355	378	406	429	456	479	501	530	557	580	602	631	658	681	704	726
	1,0	324	347	371	394	425	449	477	500	524	554	583	606	630	660	688	712	735	759
	1,2	338	362	387	411	444	468	497	522	546	579	608	632	657	689	718	743	767	792
	1,4	351	377	403	429	462	488	518	544	569	603	633	659	684	718	748	774	799	825
	1,6	365	392	418	445	480	508	538	565	592	627	658	685	712	747	778	805	831	858
	1,8	383	410	438	466	503	530	563	590	619	655	688	715	743	780	812	840	868	895
	2,0	405	437	469	500	541	574	609	641	673	714	750	781	813	854	890	922	954	985
	2,2	419	451	484	517	560	592	630	663	695	738	775	808	841	883	920	953	986	1 019
151x300	2,4	431	465	498	532	575	609	647	680	714	758	796	829	863	906	944	978	1 011	1 045
	2,6	453	487	521	556	602	636	675	710	744	790	829	863	898	943	982	1 016	1 051	1 085
	2,8	475	514	552	590	640	679	722	760	799	849	892	930	969	1 019	1 062	1 101	1 139	1 178
	3,0	489	528	568	607	659	698	742	782	822	873	918	957	996	1 048	1 092	1 132	1 183	1 222
	3,2	503	543	584	624	677	718	763	804	844	897	943	983	1 024	1 077	1 122	1 174	1 215	1 255
	3,4	520	562	603	645	699	741	788	829	871	925	972	1 014	1 055	1 110	1 168	1 209	1 251	1 292
	3,6	542	588	633	679	738	783	834	880	925	984	1 034	1 080	1 137	1 195	1 246	1 292	1 337	1 383
	3,8	556	603	650	696	756	803	855	901	948	1 008	1 060	1 117	1 164	1 224	1 276	1 323	1 369	1 416
	4,0	578	625	673	720	783	830	883	930	978	1 040	1 104	1 151	1 199	1 261	1 314	1 361	1 409	1 457
	4,2	591	640	689	738	801	850	904	952	1 001	1 064	1 129	1 178	1 227	1 290	1 344	1 392	1 441	1 490
151x400	4,4	614	666	719	772	839	892	950	1 003	1 055	1 135	1 193	1 245	1 298	1 365	1 424	1 477	1 570	1 622
	4,6	627	681	735	789	858	911	971	1 025	1 089	1 159	1 218	1 271	1 325	1 395	1 454	1 548	1 601	1 655
	4,8	645	700	755	810	880	935	995	1 061	1 116	1 187	1 247	1 302	1 357	1 428	1 528	1 583	1 637	1 692
	5,0	659	715	770	826	899	955	1 016	1 083	1 139	1 211	1 273	1 328	1 384	1 496	1 558	1 614	1 670	1 725



- 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.

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

I.14 Facade louvre in a VBox Termo 10mm box with C-80 lamellas

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	291	315	339	362	391	415	443	466	490	519	546	570	594	622	650	674	698	721
	0,6	305	330	355	379	410	435	463	488	512	543	572	596	621	651	680	705	729	754
	0,8	319	345	370	396	428	454	484	509	535	567	597	623	648	681	710	736	761	787
	1,0	333	360	386	413	447	474	505	531	558	591	623	650	676	712	741	768	794	820
151x300	1,2	347	375	402	430	465	493	525	553	580	618	648	675	704	743	773	800	828	855
	1,4	360	390	418	447	485	514	545	575	603	644	675	703	731	773	805	833	861	890
	1,6	375	404	434	464	506	535	568	597	626	670	702	731	761	804	836	866	895	925
	1,8	407	440	473	505	553	585	621	654	687	734	770	803	835	883	918	951	984	1 017
151x350	2,0	423	457	490	525	573	607	644	678	711	760	797	830	865	913	950	984	1 018	1 051
	2,2	439	474	509	544	594	629	666	701	736	786	824	859	894	944	981	1 016	1 051	1 086
	2,4	454	489	525	560	611	647	686	721	757	808	846	882	918	969	1 007	1 043	1 079	1 114
	2,6	489	528	566	605	662	701	743	782	821	878	919	959	998	1 054	1 096	1 135	1 174	1 213
151x400	2,8	505	545	585	625	683	723	765	805	845	904	946	986	1 026	1 085	1 127	1 168	1 208	1 248
	3,0	520	561	603	644	703	744	788	829	870	930	974	1 015	1 056	1 115	1 159	1 200	1 243	1 285
	3,2	536	579	621	663	724	765	811	853	895	956	1 001	1 043	1 085	1 146	1 191	1 233	1 295	1 337
	3,4	569	614	660	705	770	815	864	910	955	1 020	1 068	1 114	1 160	1 224	1 273	1 338	1 384	1 429
151x450	3,6	585	631	678	724	790	837	886	933	980	1 046	1 095	1 142	1 189	1 275	1 324	1 370	1 417	1 464
	3,8	600	648	696	744	811	859	909	957	1 005	1 072	1 123	1 170	1 238	1 305	1 355	1 403	1 451	1 499
	4,0	636	687	738	789	860	911	965	1 016	1 068	1 139	1 193	1 264	1 315	1 386	1 440	1 491	1 543	1 594
	4,2	652	704	756	808	881	933	988	1 040	1 092	1 165	1 240	1 292	1 344	1 417	1 472	1 524	1 576	1 792
151x500	4,4	668	721	774	827	901	955	1 010	1 064	1 117	1 191	1 267	1 320	1 373	1 448	1 504	1 557	1 773	1 826
	4,6	684	738	792	846	922	976	1 033	1 087	1 141	1 237	1 294	1 348	1 403	1 478	1 535	1 753	1 807	1 861
	4,8	716	774	831	889	969	1 026	1 086	1 144	1 221	1 301	1 362	1 419	1 477	1 557	1 780	1 838	1 896	1 953
	5,0	732	790	849	908	989	1 048	1 109	1 168	1 246	1 327	1 389	1 448	1 506	1 750	1 812	1 871	1 930	1 988

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		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	299	325	351	376	414	440	469	495	521	559	588	614	640	677	706	732	758	784
	0,6	318	345	372	399	438	465	495	522	549	588	618	645	672	711	741	769	795	823
	0,8	336	365	393	421	461	490	521	549	577	618	649	677	705	745	777	805	833	861
	1,0	355	385	414	443	485	514	546	575	605	647	679	708	738	780	812	841	870	900
	1,2	374	405	435	465	509	539	572	603	633	676	710	740	770	814	847	878	908	938
	1,4	393	424	455	487	532	564	598	629	660	706	740	771	803	848	883	914	945	976
	1,6	412	444	477	509	556	588	624	656	689	735	771	803	835	882	918	950	983	1 015
	1,8	447	484	520	555	606	643	682	718	754	805	844	880	916	967	1 006	1 042	1 078	1 115
	2,0	466	503	540	578	630	667	708	745	782	834	875	911	949	1 001	1 041	1 079	1 116	1 153
	2,2	485	523	561	600	654	692	733	771	810	864	905	943	981	1 035	1 077	1 115	1 153	1 191
151x300	2,4	503	542	581	620	675	714	756	795	834	889	931	970	1 009	1 064	1 106	1 145	1 184	1 223
	2,6	541	584	626	669	730	772	818	860	903	964	1 010	1 052	1 095	1 156	1 201	1 244	1 286	1 329
	2,8	560	604	647	691	753	797	844	887	931	993	1 040	1 084	1 128	1 190	1 236	1 280	1 324	1 368
	3,0	579	624	668	713	777	821	869	914	959	1 023	1 070	1 115	1 160	1 224	1 272	1 316	1 361	1 406
	3,2	598	644	689	735	800	846	895	941	987	1 052	1 101	1 147	1 193	1 258	1 307	1 353	1 420	1 465
	3,4	633	683	732	781	851	900	953	1 003	1 052	1 122	1 175	1 224	1 274	1 343	1 395	1 466	1 515	1 565
	3,6	652	703	753	804	875	925	979	1 030	1 080	1 151	1 205	1 255	1 306	1 398	1 451	1 502	1 553	1 603
	3,8	671	723	774	826	898	950	1 005	1 056	1 108	1 181	1 235	1 287	1 360	1 432	1 487	1 539	1 590	1 642
	4,0	709	765	820	875	952	1 008	1 066	1 121	1 177	1 253	1 312	1 388	1 443	1 520	1 579	1 634	1 689	1 745
	151x450	4,2	728	785	841	898	976	1 032	1 092	1 148	1 205	1 283	1 363	1 420	1 476	1 554	1 614	1 670	1 726
151x500	4,4	747	805	862	920	999	1 057	1 118	1 175	1 233	1 312	1 394	1 451	1 509	1 588	1 649	1 706	1 935	1 993
	4,6	766	825	883	942	1 023	1 081	1 143	1 202	1 260	1 363	1 424	1 483	1 541	1 623	1 684	1 914	1 973	2 031
	4,8	801	864	926	988	1 074	1 136	1 201	1 264	1 346	1 432	1 497	1 560	1 622	1 707	1 944	2 006	2 068	2 130
	5,0	820	884	947	1 010	1 097	1 160	1 227	1 290	1 375	1 461	1 528	1 591	1 655	1 913	1 979	2 042	2 106	2 169

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	282	302	322	342	369	388	413	433	453	479	503	523	543	569	594	614	633	654
	0,6	298	319	340	361	390	411	436	458	479	508	533	554	575	604	630	651	672	693
	0,8	311	334	355	378	408	430	456	478	500	530	557	579	601	631	658	680	702	724
	1,0	327	350	373	396	429	453	480	503	527	559	587	610	633	666	694	717	740	764
	1,2	340	365	389	413	447	471	500	524	548	582	611	635	659	693	722	746	770	794
	1,4	356	381	407	432	468	494	524	549	575	611	641	666	692	728	758	783	809	834
	1,6	369	396	423	448	486	513	544	570	596	634	665	691	717	755	786	812	839	865
	1,8	385	413	440	468	508	535	568	595	622	663	695	722	750	790	822	850	877	905
	2,0	411	443	474	505	550	581	617	648	680	724	760	791	822	867	903	934	965	996
151x300	2,2	426	459	492	524	571	604	641	673	706	753	790	822	855	901	938	971	1 004	1 036
	2,4	440	474	508	541	589	622	660	694	727	775	814	847	880	929	967	1 000	1 034	1 067
151x350	2,6	456	490	525	560	610	645	685	720	754	805	845	880	914	965	1 004	1 039	1 074	1 109
	2,8	486	524	563	600	656	695	738	776	815	870	913	952	990	1 045	1 089	1 127	1 165	1 204
151x350	3,0	501	541	580	620	677	717	761	801	841	899	943	983	1 023	1 080	1 125	1 164	1 215	1 255
	3,2	515	555	595	636	695	736	781	822	862	921	967	1 008	1 048	1 107	1 153	1 205	1 245	1 286
151x350	3,4	530	572	614	655	717	759	805	847	889	950	997	1 039	1 080	1 142	1 200	1 242	1 284	1 325
	3,6	544	586	629	671	735	778	825	867	910	973	1 021	1 064	1 117	1 180	1 228	1 270	1 314	1 356
151x400	3,8	571	618	665	712	780	826	878	925	972	1 040	1 092	1 150	1 197	1 265	1 316	1 364	1 410	1 457
	4,0	585	633	680	728	798	846	899	946	994	1 064	1 128	1 176	1 224	1 294	1 346	1 394	1 442	1 490
151x400	4,2	600	650	699	748	819	868	923	971	1 020	1 093	1 158	1 207	1 256	1 328	1 383	1 431	1 480	1 529
	4,4	614	664	714	764	838	887	943	992	1 042	1 127	1 182	1 232	1 282	1 355	1 411	1 460	1 550	1 600
151x450	4,6	630	681	731	783	859	910	966	1 017	1 080	1 155	1 212	1 263	1 314	1 390	1 447	1 538	1 589	1 640
	4,8	660	715	769	824	904	959	1 020	1 085	1 140	1 221	1 281	1 336	1 390	1 471	1 571	1 626	1 681	1 735
151x450	5,0	675	731	787	843	926	982	1 043	1 110	1 166	1 249	1 311	1 367	1 423	1 545	1 607	1 663	1 719	1 775



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		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	291	315	338	360	390	413	440	464	486	521	548	571	595	631	657	681	704	728
		0,6	307	331	355	380	411	435	465	489	513	548	575	599	624	661	689	713	737	762
		0,8	320	346	371	396	434	460	488	514	540	580	608	634	660	700	728	754	780	805
		1,0	336	363	389	415	455	481	511	537	564	606	635	662	688	730	760	786	813	839
		1,2	352	380	408	435	480	508	538	566	594	638	669	696	724	769	800	827	855	883
		1,4	369	397	426	454	501	529	561	589	618	664	696	724	753	799	831	859	888	916
		1,6	387	417	446	476	525	555	588	618	648	696	729	759	789	838	870	900	930	960
		1,8	404	434	465	495	546	577	610	641	672	723	756	787	817	869	902	933	963	994
		2,0	438	473	507	541	597	631	669	703	737	793	830	865	899	955	992	1 026	1 060	1 095
		2,2	455	490	525	560	618	653	691	726	761	819	857	892	927	985	1 023	1 058	1 094	1 129
151x300	2,4	473	510	546	582	643	679	718	755	791	851	891	927	963	1 024	1 063	1 099	1 136	1 172	
	2,6	490	527	564	601	664	701	741	778	815	878	918	955	992	1 054	1 095	1 131	1 169	1 206	
151x350	2,8	527	568	609	650	718	759	803	844	884	953	997	1 038	1 079	1 147	1 191	1 232	1 273	1 314	
	3,0	544	585	627	669	739	781	825	867	909	979	1 024	1 065	1 107	1 178	1 222	1 264	1 306	1 347	
151x400	3,2	562	605	648	691	764	807	853	895	938	1 011	1 057	1 100	1 143	1 216	1 262	1 305	1 368	1 410	
	3,4	579	622	666	710	785	829	875	919	963	1 038	1 084	1 128	1 172	1 247	1 294	1 357	1 401	1 445	
	3,6	597	642	687	732	810	855	902	947	992	1 070	1 118	1 163	1 208	1 305	1 353	1 398	1 443	1 488	
	3,8	630	678	726	775	856	905	956	1 004	1 052	1 134	1 185	1 234	1 301	1 383	1 435	1 483	1 531	1 579	
	4,0	648	698	747	796	881	930	983	1 032	1 082	1 166	1 219	1 288	1 338	1 422	1 474	1 524	1 573	1 623	
	4,2	665	715	765	816	902	952	1 005	1 056	1 106	1 193	1 265	1 316	1 366	1 453	1 506	1 556	1 606	1 620	
	4,4	683	735	786	838	926	978	1 033	1 084	1 136	1 225	1 299	1 350	1 402	1 491	1 545	1 597	1 612	1 664	
	4,6	700	752	805	857	948	1 000	1 055	1 108	1 160	1 270	1 326	1 378	1 431	1 521	1 577	1 793	1 845	1 897	
	4,8	737	793	849	905	1 001	1 057	1 116	1 172	1 248	1 344	1 403	1 459	1 515	1 611	1 833	1 889	1 945	2 001	
	151x450	5,0	754	810	868	925	1 022	1 079	1 139	1 196	1 273	1 370	1 430	1 487	1 544	1 805	1 864	1 921	1 978	2 035



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	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4	
Height	0,4	302	329	355	381	420	446	476	502	528	567	596	623	649	688	718	744	770	796
	0,6	322	349	376	403	444	471	501	529	556	597	627	654	681	722	753	780	807	834
	0,8	343	371	400	428	472	500	532	560	589	633	664	693	721	765	796	825	853	881
	1,0	363	392	421	450	496	525	558	587	616	662	695	724	753	799	831	860	890	919
	1,2	384	415	445	476	524	555	589	619	650	698	731	762	793	841	875	905	936	966
	1,4	404	435	466	498	548	580	614	645	677	728	762	794	825	875	910	941	973	1 004
	1,6	425	458	490	523	576	609	645	678	710	763	799	832	865	918	954	986	1 019	1 052
	1,8	445	478	511	545	600	634	670	704	738	793	830	863	897	952	989	1 022	1 056	1 089
	2,0	482	520	558	595	655	693	734	771	809	869	910	947	985	1 045	1 085	1 123	1 160	1 198
	2,2	502	540	579	617	680	718	759	798	836	899	940	978	1 017	1 079	1 120	1 159	1 197	1 236
2,4	523	563	603	642	707	747	790	830	869	934	977	1 017	1 056	1 121	1 164	1 204	1 244	1 284	
2,6	543	583	624	665	731	772	816	856	897	964	1 008	1 048	1 089	1 156	1 199	1 240	1 280	1 321	
2,8	583	628	672	717	790	835	883	927	971	1 045	1 093	1 138	1 182	1 255	1 303	1 348	1 392	1 437	
3,0	603	648	694	739	815	860	909	954	999	1 075	1 123	1 169	1 214	1 290	1 338	1 384	1 429	1 474	
3,2	624	671	718	764	843	889	939	986	1 033	1 111	1 160	1 207	1 254	1 332	1 382	1 429	1 496	1 543	
3,4	644	691	739	786	866	914	965	1 012	1 060	1 140	1 191	1 238	1 286	1 366	1 417	1 485	1 533	1 580	
3,6	665	714	763	812	895	944	995	1 044	1 093	1 176	1 228	1 277	1 326	1 429	1 481	1 530	1 579	1 628	
3,8	701	754	806	858	946	998	1 054	1 106	1 158	1 246	1 301	1 354	1 426	1 514	1 570	1 622	1 674	1 726	
4,0	723	776	830	884	974	1 027	1 084	1 138	1 191	1 281	1 338	1 413	1 466	1 556	1 613	1 667	1 720	1 774	
4,2	742	796	851	906	998	1 052	1 110	1 165	1 219	1 311	1 390	1 444	1 499	1 591	1 648	1 703	1 757	1 983	
4,4	764	819	875	931	1 026	1 081	1 140	1 196	1 252	1 347	1 426	1 483	1 538	1 633	1 692	1 748	1 975	2 030	
4,6	783	840	896	953	1 050	1 106	1 166	1 223	1 280	1 397	1 457	1 514	1 570	1 667	1 727	1 955	2 011	2 068	
4,8	824	885	945	1 006	1 108	1 169	1 232	1 293	1 374	1 476	1 540	1 601	1 661	1 763	1 998	2 059	2 120	2 180	
5,0	844	905	966	1 028	1 132	1 194	1 258	1 320	1 402	1 506	1 570	1 632	1 694	1 969	2 033	2 095	2 156	2 218	



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.

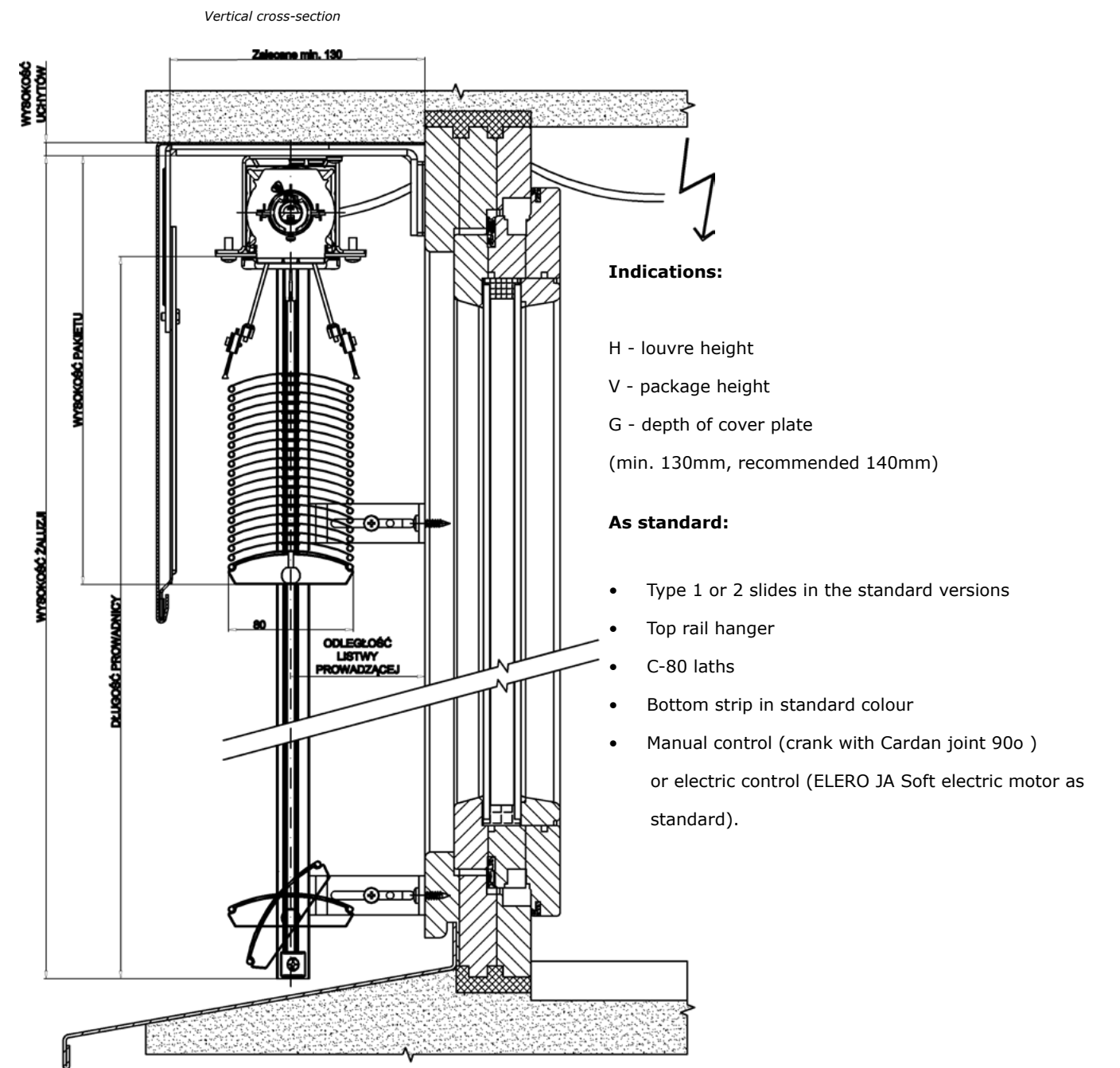
Surcharges for VBox and VBox Termo facade blinds

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			74	67	-	-
	JA COMFORT 868		x	x	x	x	x		117	110	-	-
	JA 10 NHK	x						x	-	770	-	-
GEIGER	GJ56	x							4	23	-	-
SOMFY	J4 WT		x						32	50	69	-
	J4 WT PROTECT		x		x				45	66	86	-
	J4 IO PROTECT		x		x	x			208	285	176	-

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	8,10€ per blind
Pins	Price
PVC	Included in the price
Steel	5,90€/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	6,40€/rm
Guide rail distance 30 mm	12,50€/rm
External plaster carrier 20 mm	4,20€/rm
Internal plaster carrier 10 mm	4,20€/rm
Internal plaster carrier 30 mm	7,40€/rm
Internal plaster carrier 10 mm (only for Vbox Eco)	1€/rm
Internal plaster support 30 mm (only for Vbox Eco)	3,20€/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			
		0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8
0,4	2 pairs of handles	168	173	179	189	194	200	212	223	228	233	251	256
0,6	2 pairs of handles	175	182	188	200	206	213	226	239	245	251	270	277
0,8	2 pairs of handles	183	190	198	211	219	226	240	255	261	269	290	297
1	2 pairs of handles	190	199	207	222	230	239	255	270	278	286	310	318
1,2	2 pairs of handles	198	207	217	233	243	252	269	285	295	304	329	338
1,4	2 pairs of handles	205	215	226	245	255	265	283	302	312	322	348	359
1,6	2 pairs of handles	213	224	236	255	267	278	297	317	329	340	368	379
1,8	2 pairs of handles	228	240	253	274	286	299	319	341	354	365	394	407
2	3 handles	235	249	262	285	299	313	333	356	370	383	414	427
2,2	3 handles	243	257	272	296	311	325	348	372	387	401	433	448
2,4	3 handles	249	264	279	305	320	335	358	384	399	415	448	464
2,6	3 handles	256	272	289	316	333	349	373	400	416	433	468	484
2,8	3 handles	265	283	300	329	346	363	388	417	435	452	489	506
3	4 pairs of handles	272	291	309	340	358	377	402	433	451	470	508	
3,2	4 pairs of handles	280	300	319	350	370	390	417	449	468	488		
3,4	4 pairs of handles	287	308	328	361	382	403	431	464	485			
3,6	4 pairs of handles	295	316	338	373	394	416	445	480	501			
3,8	4 pairs of handles	302	325	347	384	406	429	459	496				
4	4 pairs of handles	310	333	357	395	419	443	474	511				
		5 hangers											
		3,4	3,6	3,8	4								
		285	290	295	306								
		309	315	321	334								
		333	340	348	361								
		357	365	374	389								
		381	390	400	417								
		405	415	426	445								
		430	441	452	472								
		461	474	486	508								
		485	499	512	535								
		509	524										

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



C-80

2.2 Net price list for electrically operated C-80 blinds

Width																							
2 hangers						3 hangers						4 hangers						5 hangers					
0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4						
Height	2 pairs of handles	0,4	215	221	227	240	246	251	265	279	284	290	311	317	323	328	350	374					
		0,6	224	230	237	252	259	265	280	295	301	308	331	338	344	350	374	402					
		0,8	231	239	247	263	271	279	294	311	318	326	350	358	366	373	398	430					
		1	240	248	257	275	283	292	309	327	335	344	370	379	388	396	422	458					
	3 pairs of handles	1,2	248	257	267	286	296	305	323	343	352	362	390	399	409	419	446	485					
		1,4	255	266	276	298	308	319	338	359	370	380	410	420	431	441	470	513					
		1,6	263	275	286	310	321	333	352	375	387	399	430	441	453	464	495	541					
		1,8	280	292	305	329	341	354	375	399	412	424	457	470	482	495	528	577					
		2	287	301	315	340	354	368	390	415	429	443	476	490	504	518	552	605					
		2,2	295	310	325	352	366	381	404	431	446	460	496	511	525	540	575	632					
2,4	302	317	333	361	377	392	415	444	459	475	511	527	542	557	594	663	692						
4 pairs of handles	2,6	310	326	343	373	389	405	430	460	476	493	531	547	564	580	618	673	719					
	2,8	319	336	354	385	403	420	445	477	495	512	552	569	586	604	699	717	749					
	3	327	346	364	397	415	434	460	493	512	530	572	590	608	665	706	725	776					
	3,2	335	355	374	409	428	447	475	510	529	548	591	610	668	688	731	750	804					
	3,4	343	363	384	420	440	461	489	525	546	566	611	670	690	710	755	795	831					
	3,6	351	372	394	432	453	475	504	542	563	585	669	690	712	733	779	800	822	860				
	3,8	359	381	404	443	465	488	519	558	580	641	688	710	734	756	803	825	848	888				
	4	367	390	414	455	478	501	533	574	597	659	708	731	755	778	827	850	875	915				

- **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.



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					Included in the price	
	JA COMFORT		x	x	x	x			74,00	67,00
	JA COMFORT 868		x	x	x	x	x		117,00	110,00
	JA 10 NHK	x						x	-	770,00
GEIGER	GJ56	x							4,00	23,00
SOMFY	J4 WT		x						32,00	50,00
	J4 WT PROTECT		x		x				45,00	66,00
	J4 IO PROTECT		x		x	x			208,00	285,00

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.	+ 67€/m²
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Ladder and ribbon	Price
Colour grey	Included in the price
Black colour	8,10€ per blind
Pins	Price
PVC	Included in the price
Steel	5,90€/rm louvre height
Standard colour slide	Price
Type 1 or Type 2	Included in the price
„Type PT (2-piece set)“	16,70€/rm
Type D2	7,10€/rm
„Vbox (base + working)“	19,40€/rm
Self-supporting type	13,70€/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)	8,60€/piece
Type T2 (171-295 mm)	11,80€/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)	5,60€
Type S2 (81-125 mm)	6,90€
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	2,70€/set
Angle connector in standard colour	Price
External (70-80mm)	11,00€/piece
External (80-100mm)	13,50€/piece
External (100-140mm)	31,10€/piece
Internal (45-58mm)	25,50€/piece
Internal (58-76mm)	26,00€/piece
Internal (76-117mm)	29,20€/piece
Connecting profile (40x40x3) (compulsory when using connectors for C-80 blinds)	20,90€/rm
The above system components in extra color	individual pricing

Package amount and price list for C-80 facade blinds

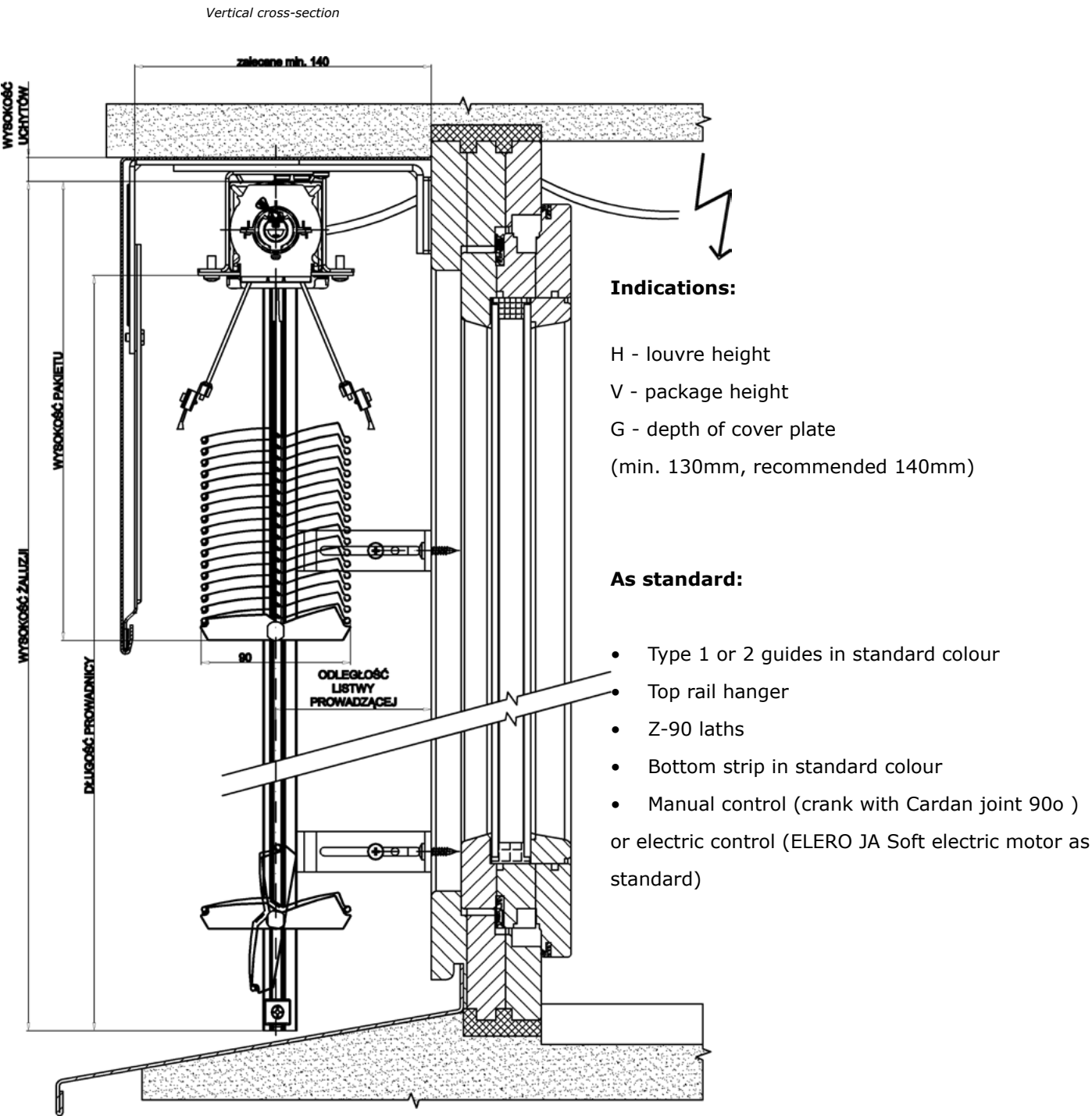
Shutter height (mm)	Package height		Price of sheets painted on one side	104€/m²
	Manual control (mm)	Electric control (mm)	Price of sheets painted on both sides	128,50€/m²
Do 500	130	150	To calculate the price of the cover sheet, multiply its surface area and the width of the blind (according to the 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 m ²	16 m ²

*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

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	168	173	179	189	194	200	212	223	228	233	251	256	261	266	285	290	295	306				
	0,6	175	182	188	200	206	213	226	239	245	251	270	277	283	289	309	315	321	334				
	0,8	183	190	198	211	219	226	240	255	261	269	290	297	305	312	333	340	348	361				
	1	190	199	207	222	230	239	255	270	278	286	310	318	326	335	357	365	374	389				
	1,2	198	207	217	233	243	252	269	285	295	304	329	338	348	357	381	390	400	417				
3 pairs of handles	1,4	205	215	226	245	255	265	283	302	312	322	348	359	369	379	405	415	426	445				
	1,6	213	224	236	255	267	278	297	317	329	340	368	379	390	402	430	441	452	472				
	1,8	228	240	253	274	286	299	319	341	354	365	394	407	420	432	461	474	486	508				
	2	235	249	262	285	299	313	333	356	370	383	414	427	441	455	485	499	512	535				
	2,2	243	257	272	296	311	325	348	372	387	401	433	448	463	477	509	524						
4 pairs of handles	2,4	249	264	279	305	320	335	358	384	399	415	448	464	479	494								
	2,6	256	272	289	316	333	349	373	400	416	433	468	484	500									
	2,8	265	283	300	329	346	363	388	417	435	452	489	506										
	3	272	291	309	340	358	377	402	433	451	470	508											
	3,2	280	300	319	350	370	390	417	449	468	488												
	3,4	287	308	328	361	382	403	431	464	485													
	3,6	295	316	338	373	394	416	445	480	501													
	3,8	302	325	347	384	406	429	459	496														
	4	310	333	357	395	419	443	474	511														

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	215	221	227	240	246	251	265	279	284	290	311	317	323	328	350
	0,6	224	230	237	252	259	265	280	295	301	308	331	338	344	350	374
	0,8	231	239	247	263	271	279	294	311	318	326	350	358	366	373	398
3 pairs of handles	1	240	248	257	275	283	292	309	327	335	344	370	379	388	396	422
	1,2	248	257	267	286	296	305	323	343	352	362	390	399	409	419	446
	1,4	255	266	276	298	308	319	338	359	370	380	410	420	431	441	470
4 pairs of handles	1,6	263	275	286	310	321	333	352	375	387	399	430	441	453	464	495
	1,8	280	292	305	329	341	354	375	399	412	424	457	470	482	495	528
	2	287	301	315	340	354	368	390	415	429	443	476	490	504	518	552
	2,2	295	310	325	352	366	381	404	431	446	460	496	511	525	540	575
	2,4	302	317	333	361	377	392	415	444	459	475	511	527	542	557	594
	2,6	310	326	343	373	389	405	430	460	476	493	531	547	564	580	618
	2,8	319	336	354	385	403	420	445	477	495	512	552	569	586	604	682
	3	327	346	364	397	415	434	460	493	512	530	572	590	608	665	706
	3,2	335	355	374	409	428	447	475	510	529	548	591	610	668	688	731
	3,4	343	363	384	420	440	461	489	525	546	566	611	670	690	710	755
	3,6	351	372	394	432	453	475	504	542	563	585	669	690	712	733	779
	3,8	359	381	404	443	465	488	519	558	580	641	688	710	734	756	803
4		367	390	414	455	478	501	533	574	597	659	708	731	755	778	827

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.



	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 6 Nm NHK	9/10 Nm
ELERO	JA SOFT	x			x					w cenie	
	JA COMFORT			x	x	x	x			74,00	67,00
	JA COMFORT 868			x	x	x	x	x		117,00	110,00
	JA 10 NHK	x							x	-	770,00
GEIGER	GJ56	x								4,00	23,00
SOMFY	J4 WT			x						32,00	50,00
	J4 WT PROTECT			x		x				45,00	66,00
	J4 IO PROTECT			x		x	x			208,00	285,00

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.	+ 67€/m²
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Ladder and ribbon	Price
Colour grey	Included in the price
Black colour	8,10€ per blind
Pins	Price
PVC	Included in the price
Steel	5,90€/rm louvre height
Standard colour slide	Price
Type 1 or type 2	Included in the price
Type PT (2-piece set)	16,70€/rm
Type D2	7,10€/rm
Vbox (base + working)	19,40€/rm
Self-supporting type	13,70€/rm
Wire guidance	Included in the price

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)	8,60€/unit
Type T2 (171-295 mm)	11,80€/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)	5,60 €
Type S2 (81-125 mm)	6,90 €
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	2,70€/set
Angle connector in standard colour	Price
External (70-80mm)	11,00€/unit
External (80-100mm)	13,50€/unit
External (100-140mm)	31,10€/unit
Internal (45-58mm)	25,50€/unit
Internal (58-76mm)	26,00€/unit
Internal (76-117mm)	29,20€/unit
Connecting profile (50x50x2.5) (compulsory when using connectors for Z-90 blinds)	18,90€/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	104€/m ²
Price of sheets painted on both sides	128,50€/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

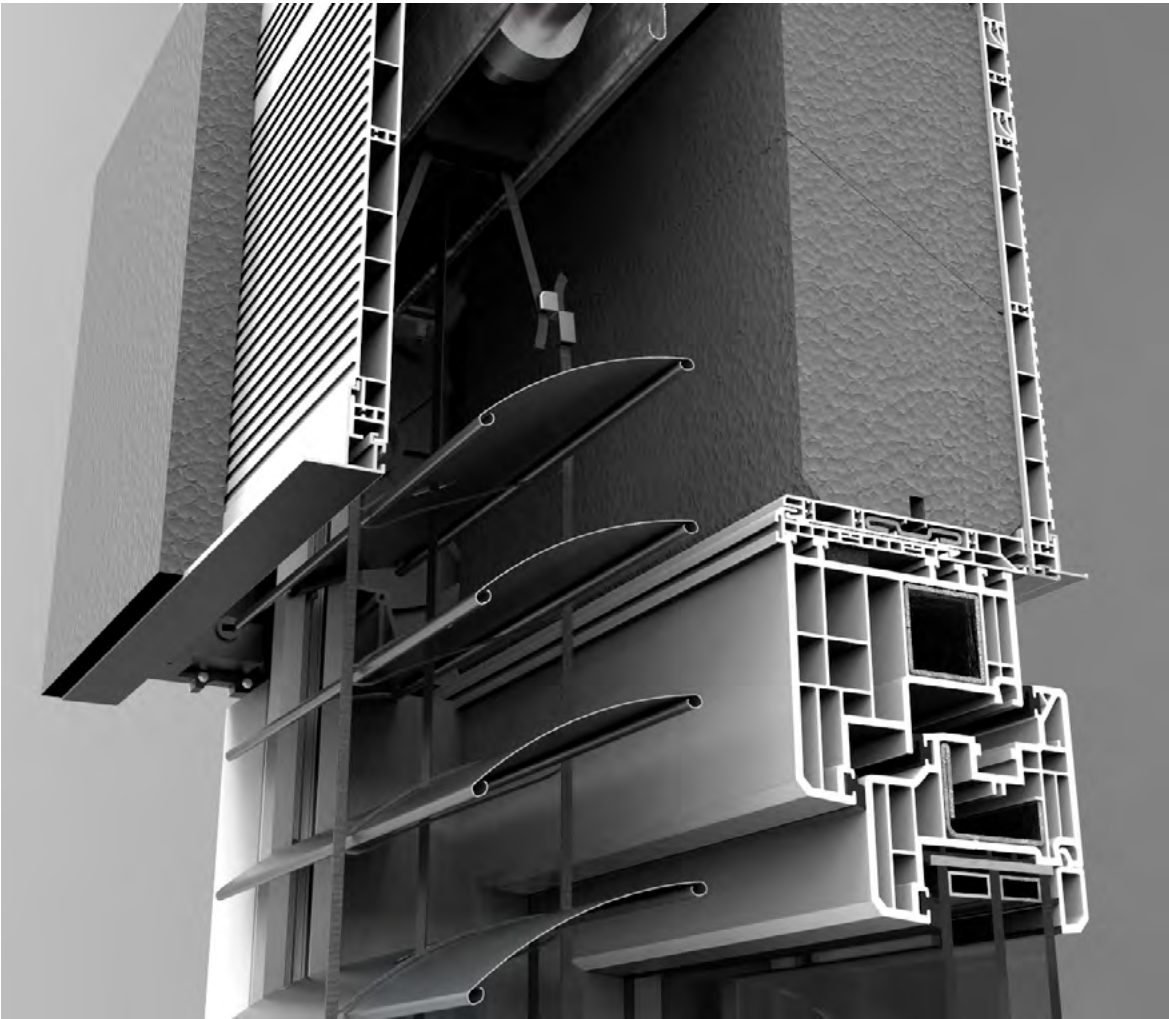
Technical information

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

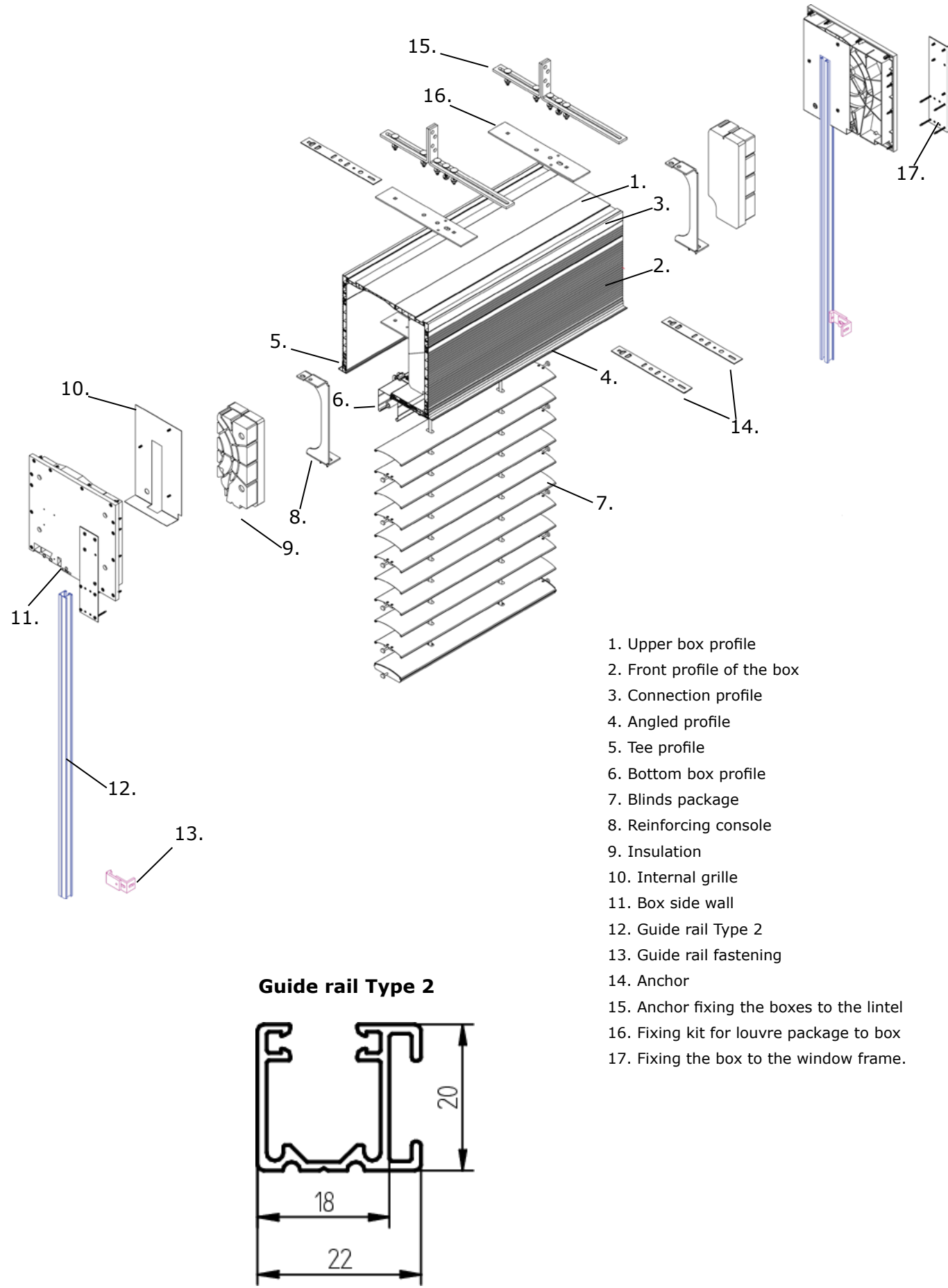
Maximum height of blinds in CleverBox 255x245

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	328	346	366	385	412	431	490	510	536	556	583	634	660	681	740	759	785	805					
	0,6	336	357	377	398	426	448	508	529	557	578	606	659	687	709	769	790	818	838					
	0,8	345	367	389	411	441	464	525	547	578	600	630	684	714	736	798	820	850	872					
	1	354	377	400	424	455	480	543	566	599	621	653	709	740	764	827	850	883	905					
	1,2	363	387	411	436	470	495	560	585	619	643	676	732	767	792	856	881	915	940					
	1,4	371	397	423	449	485	511	577	603	640	665	699	757	793	819	885	912	948	973					
	1,6	380	407	435	462	500	527	594	621	660	687	723	782	820	847	915	942	980	1007					
	1,8	389	417	445	475	514	544	612	640	681	709	745	806	846	875	943	973	1012	1040					
	2	398	427	457	488	529	559	629	659	701	730	769	831	873	903	973	1003	1045	1074					
	2,2	406	437	468	500	544	575	646	677	721	753	792	855	899	930	1001	1033							
255x245	2,4	413	445	477	509	555	587	660	691	737	769	809	874	919	951									
	2,6	422	455	489	522	570	603	676	710	757	791	832	899	945										
	2,8	430	465	500	535	584	619	694	729	778	813	855	922											
	3	440	475	511	548	599	635	711	747	799	834	878												
	3,2	448	485	523	560	614	651	729	766	819	856													
	3,4	457	495	534	573	628	667	745	784	840														
	3,6	465	505	545	586	643	683	763	803	860														
	3,8	475	516	557	599	657	699	780	822															
	4	483	525	568	611	672	715	798	840															



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	378	397	415	445	464	484	543	572	591	610	648	698	717	737	805	825	844	873
	0,6	387	407	427	459	479	500	560	590	611	631	671	723	743	764	834	855	875	906
	0,8	395	416	438	471	493	516	576	609	631	654	695	748	769	791	864	886	908	940
	1	404	427	450	485	508	531	594	629	652	675	718	772	795	819	893	916	940	974
	1,2	413	437	461	498	523	547	611	647	672	696	742	797	821	846	922	947	971	1 008
	1,4	421	447	472	511	537	563	628	666	693	718	765	822	848	874	951	977	1 003	1 041
	1,6	430	457	484	525	551	578	645	685	713	740	790	847	874	901	981	1 009	1 035	1 076
	1,8	439	467	495	538	566	594	662	705	733	761	813	871	900	928	1 010	1 039	1 067	1 109
	2	448	477	506	551	580	610	679	724	754	783	836	896	926	955	1 040	1 069	1 099	1 143
	2,2	456	487	517	564	595	626	696	742	774	804	860	921	951	983	1 069	1 100	1 130	1 177
255x245	2,4	464	495	526	575	606	638	709	757	789	820	877	940	971	1 003	1 091	1 123	1 202	1 250
	2,6	473	505	538	588	621	654	726	776	809	842	901	965	997	1 030	1 120	1 201	1 234	1 284
	2,8	481	515	549	601	635	670	743	795	830	864	925	989	1 024	1 058	1 197	1 232	1 265	1 318
	3	490	525	560	615	650	685	760	814	850	885	948	1 014	1 050	1 134	1 227	1 263	1 298	1 352
	3,2	499	535	572	628	665	701	778	833	870	907	971	1 039	1 124	1 161	1 256	1 293	1 330	1 385
	3,4	508	545	583	641	679	717	795	852	890	928	995	1 112	1 150	1 188	1 285	1 324	1 361	1 419
	3,6	516	555	594	655	694	733	811	871	911	950	1 067	1 137	1 176	1 215	1 315	1 354	1 394	1 453
	3,8	525	565	605	668	708	749	829	890	931	1 020	1 091	1 161	1 202	1 243	1 344	1 385	1 425	1 487
	4	534	575	616	681	723	765	846	909	951	1 041	1 114	1 187	1 228	1 270	1 373	1 415	1 457	1 520



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			74,00	67,00
	JA COMFORT 868		x	x	x	x	x		117,00	110,00
	JA 10 NHK	x						x	-	770,00
GEIGER	GJ56	x							4,00	23,00
SOMFY	J4 WT		x						32,00	50,00
	J4 WT PROTECT		x		x				45,00	66,00
	J4 IO PROTECT		x		x	x			208,00	285,00

4.3 Facade shutter in CleverBox louvre box with Type 2 manually operated tracks with Z-90 slats

Box	Height from a box 255x245	Width																			
		2 hangers				3 hangers				4 hangers				5 hangers				6 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	4,2	4,4
0,4		344	362	381	401	428	448	506	525	553	572	599	650	677	697	756	776	802	821		
0,6		354	374	395	416	445	466	527	548	578	599	628	681	710	731	792	814	842	863		
0,8		361	383	405	427	458	481	543	564	596	618	648	702	734	756	818	840	871	893		
1		371	395	419	442	476	500	564	587	621	645	676	732	766	791	854	878	912	935		
1,2		379	403	428	454	489	514	579	604	640	665	697	755	790	815	880	905	941	966		
1,4		389	415	441	468	506	533	600	626	665	691	725	785	823	850	916	943	981	1008		
1,6		396	424	451	480	520	548	615	643	684	711	747	807	846	875	943	970	1010	1038		
1,8		414	443	473	503	545	575	644	673	716	745	783	845	887	916	986	1016	1058	1087		
2		422	453	483	514	558	589	660	690	735	765	804	866	911	942	1012	1043	1087	1118		
2,2		432	464	496	529	575	608	681	713	760	792	832	897	943	976	1049	1081				
2,4		440	473	506	540	589	622	696	729	778	811	853	919	967	1001						
2,6		450	484	520	555	606	641	716	751	803	838	881	949	1000							
2,8		458	493	530	566	619	656	732	768	822	858	902	971								
3		468	505	543	581	637	675	753	791	847	885	930									
3,2		475	514	553	592	650	689	768	808	865	904										
3,4		485	526	566	608	668	709	790	830	890											
3,6		493	535	576	619	681	723	805	846	909											
3,8		503	546	590	633	698	742	825	869												
4		511	556	600	645	711	756	841	886												

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	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
255x245	0,4	417	436	455	475	502	521	580	600	627	645	673	724	751	770	830	850	876	895
	0,6	427	448	468	490	519	540	601	622	652	672	701	755	784	805	866	887	916	937
	0,8	435	457	479	501	532	555	616	639	670	692	722	776	808	830	892	915	945	967
	1	445	468	492	516	549	574	638	661	695	718	751	806	840	864	928	952	985	1 009
	1,2	453	478	502	528	563	588	653	677	714	739	771	829	864	889	954	980	1 015	1 040
	1,4	463	489	515	543	580	607	674	700	739	765	800	859	896	924	990	1 017	1 055	1 081
	1,6	470	498	525	554	593	621	689	717	757	785	820	880	920	948	1 016	1 044	1 084	1 112
	1,8	488	517	546	576	619	648	718	748	790	819	857	919	960	990	1 060	1 090	1 132	1 161
	2	496	526	557	588	632	663	734	764	809	839	878	940	985	1 015	1 086	1 117	1 161	1 191
	2,2	506	538	570	603	649	682	754	786	834	866	906	970	1 017	1 050	1 122	1 155	1 201	1 234
The laths protrude from the box	2,4	514	547	580	614	662	696	770	803	852	885	927	993	1 041	1 075	1 149	1 182	1 231	1 315
	2,6	523	559	593	629	680	715	791	825	877	912	955	1 023	1 073	1 109	1 185	1 270	1 322	1 356
	2,8	531	567	604	640	693	730	806	842	895	932	976	1 045	1 097	1 134	1 261	1 298	1 351	1 386
	3	541	579	616	655	710	749	827	864	921	959	1 004	1 075	1 130	1 219	1 297	1 336	1 391	1 428
	3,2	549	588	627	666	724	764	842	881	940	978	1 025	1 096	1 205	1 244	1 324	1 363	1 420	1 459
	3,4	559	600	640	681	741	782	863	904	964	1 004	1 054	1 178	1 237	1 279	1 359	1 400	1 460	1 501
	3,6	567	608	650	693	754	797	879	920	983	1 025	1 125	1 200	1 261	1 303	1 385	1 428	1 490	1 531
	3,8	577	620	663	708	771	816	900	943	1 008	1 102	1 154	1 230	1 294	1 338	1 422	1 465	1 530	1 573
	4	585	629	674	719	785	830	915	959	1 026	1 122	1 174	1 251	1 318	1 363	1 448	1 493	1 559	1 603

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:

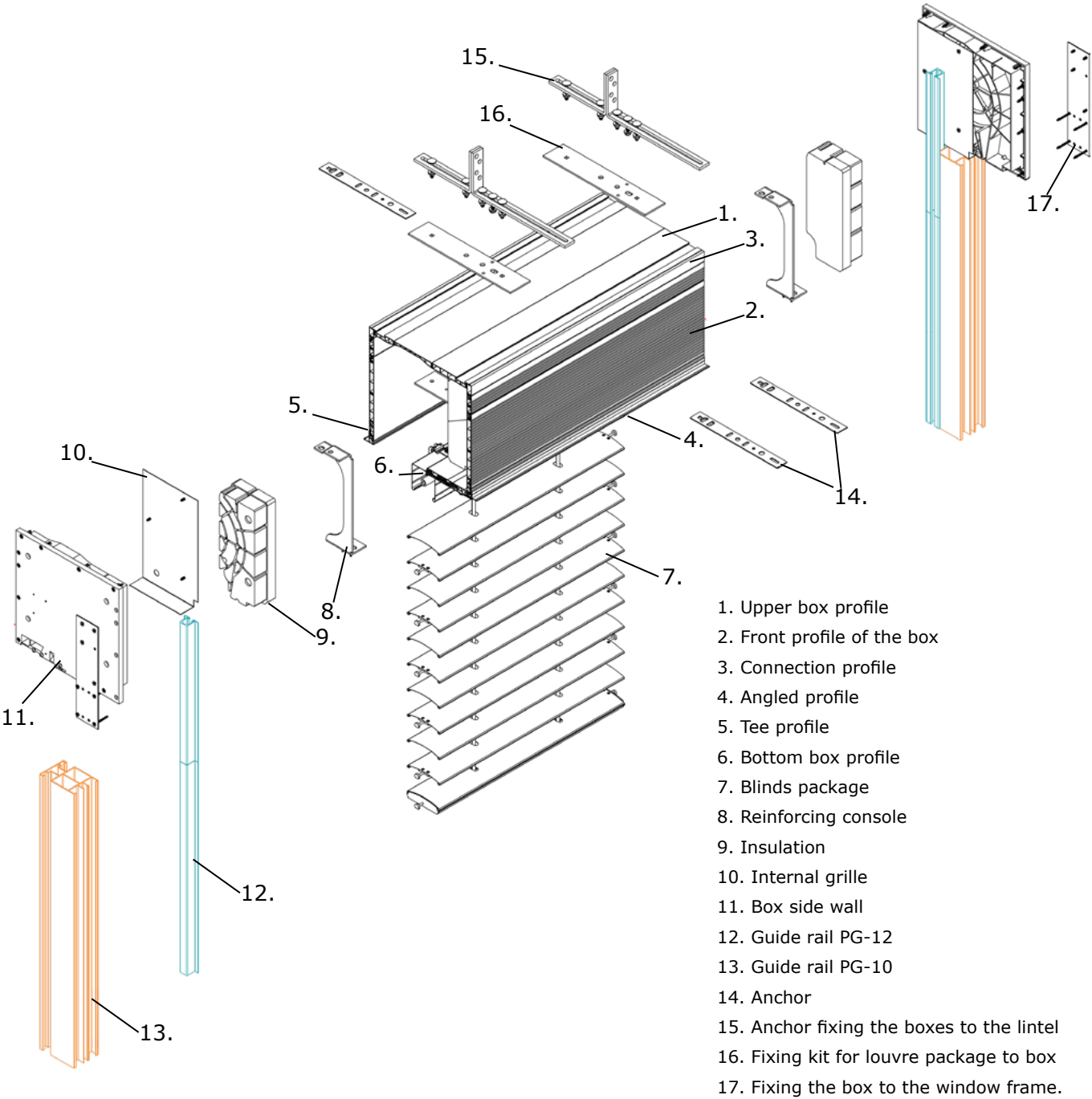
- Additional fixing of the CleverBox to the lintel.

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

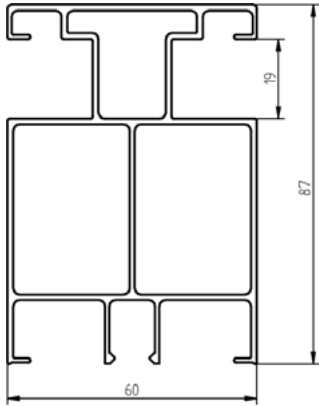


Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9 /10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74,00	67,00
	JA COMFORT 868		x	x	x	x	x		117,00	110,00
	JA 10 NHK	x						x	-	770,00
GEIGER	GJ56	x							4,00	23,00
SOMFY	J4 WT		x						32,00	50,00
	J4 WT PROTECT		x		x				45,00	66,00
	J4 IO PROTECT		x		x	x			208,00	285,00

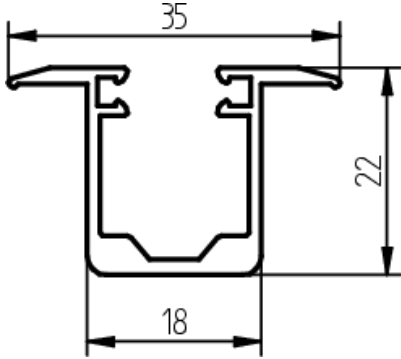
Facade shutter in CleverBox with PG 10 and PG12 guides



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					
	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	349	366	383	400	424	440	495	512	529	553	567	584	607	624	641	665	680
	0,6	371	390	408	426	451	470	525	544	562	588	602	619	643	661	680	705	718
	0,8	394	413	432	452	479	499	556	575	595	622	637	654	679	699	718	745	757
	1	416	436	457	478	508	528	586	607	628	657	672	690	715	736	757	786	795
	1,2	438	460	482	504	535	558	617	639	661	692	707	725	751	773	795	827	834
	1,4	460	484	507	530	563	586	647	671	694	727	742	760	788	811	834	867	873
	1,6	483	507	531	556	591	616	678	702	727	762	777	793	824	848	873	908	912
	1,8	505	530	556	583	619	645	708	734	760	796	811	826	860	885	912	948	950
	2	527	554	581	608	647	674	739	766	793	831	846	866	896	923	960	989	989
	2,2	550	578	606	635	675	704	769	798	826	866	881	900	932	963	999	1021	1063
Height	2,4	570	600	629	658	700	729	795	825	854	896	911	929	963	992	1029	1063	
	2,6	592	623	654	684	728	758	826	857	887	931	946	967	1000	1035	1071		
	2,8	615	646	678	710	756	788	857	889	920	966	981	1007					
	3	637	670	703	736	784	817	887	920	953	1000	1015						
	3,2	659	694	728	762	811	846	918	952	986								
	3,4	681	717	753	789	839	875	948	984	1019								
	3,6	704	740	778	814	867	904	979	1015	1052								
	3,8	726	764	802	840	895	934	1009	1047									
	4	748	788	827	866	923	963	1039	1079									

Price includes:

- 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.
- Price not included:
- 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				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	393	446	464	480	504	521	575	593	610	633	688	705	721	745	800	817	834	850
	0,6	451	470	488	506	531	550	605	624	642	668	723	741	760	785	841	859	877	896
	0,8	473	493	512	531	559	579	635	655	674	702	759	778	798	825	882	901	921	940
	1	495	515	536	557	586	607	665	686	707	736	794	815	836	865	923	944	965	985
	1,2	516	538	560	583	614	636	695	717	739	770	830	852	874	905	965	986	1 009	1 031
	1,4	538	561	585	608	641	665	725	748	772	805	865	889	912	945	1 005	1 029	1 052	1 075
	1,6	560	584	609	633	668	693	755	780	804	839	901	925	950	985	1 047	1 071	1 096	1 121
	1,8	581	607	633	659	695	721	785	811	836	873	936	962	988	1 025	1 088	1 114	1 140	1 166
	2	603	630	657	685	723	750	815	842	869	907	972	999	1 026	1 065	1 129	1 156	1 183	1 210
	2,2	625	653	681	710	750	779	845	873	901	941	1 007	1 036	1 064	1 105	1 170	1 199	1 227	1 256
	2,4	645	674	704	733	775	804	870	900	929	971	1 037	1 066	1 096	1 138	1 204	1 234	1 295	1 325
	2,6	666	697	728	758	802	833	900	931	961	1 005	1 073	1 103	1 134	1 178	1 245	1 309	1 339	1 370
2,8	688	720	752	784	829	861	930	962	994	1 039	1 109	1 140	1 172	1 218	1 319	1 351	1 383	1 415	
3	710	743	776	809	856	890	960	993	1 026	1 074	1 144	1 177	1 243	1 290	1 360	1 394	1 426	1 460	
3,2	732	766	800	835	884	918	990	1 025	1 059	1 108	1 180	1 214	1 281	1 330	1 401	1 436	1 470	1 505	
3,4	753	789	825	860	911	947	1 020	1 055	1 091	1 142	1 215	1 283	1 319	1 370	1 443	1 479	1 514	1 550	
3,6	775	812	849	885	939	975	1 050	1 086	1 124	1 176	1 283	1 320	1 357	1 410	1 484	1 521	1 558	1 595	
3,8	797	835	873	911	966	1 004	1 080	1 118	1 156	1 243	1 319	1 356	1 395	1 450	1 525	1 564	1 601	1 640	
4	819	858	897	937	993	1 033	1 109	1 149	1 188	1 277	1 354	1 394	1 433	1 490	1 566	1 606	1 645	1 685	



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).

ELERO	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
	JA SOFT	JA COMFORT	x		x					in price	
		JA COMFORT 868		x	x	x	x			74,00	67,00
		JA 10 NHK	x						x	-	770,00
		GEIGER GJ56	x							4,00	23,00
SOMFY	J4 WT			x						32,00	50,00
	J4 WT PROTECT			x		x				45,00	66,00
	J4 IO PROTECT			x		x	x			208,00	285,00

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			
	1					2					1,8				2,6				3,4			
	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4				
The laths protrude from a box	0,4	352	368	384	400	425	441	458	475	492	510	528	546	564	582	600	618	636	654	672	690	708
	0,6	376	394	412	429	456	475	492	510	528	546	564	582	600	618	636	654	672	690	708	726	744
	0,8	399	418	436	455	484	503	521	540	559	578	597	616	635	654	673	692	711	730	749	768	787
	1	423	443	464	484	516	536	557	578	599	620	641	662	683	704	725	746	767	788	809	830	851
	1,2	445	467	488	509	543	565	587	609	632	655	677	700	723	746	769	792	815	838	861	884	907
	1,4	470	493	515	538	575	598	621	644	667	690	713	736	759	782	805	828	851	874	897	920	943
	1,6	492	516	540	564	603	626	650	674	698	722	746	770	794	818	842	866	890	914	938	962	986
	1,8	516	542	567	593	634	660	688	716	744	772	800	828	856	884	912	940	968	996	1024	1052	1080
	2	539	565	591	618	662	688	716	744	772	800	828	856	884	912	940	968	996	1024	1052	1080	1108
	2,2	563	591	619	647	693	721	749	777	805	833	861	889	917	945	973	1001	1029	1057	1085	1113	1141
255x245	0,4	352	368	384	400	425	441	458	475	492	510	528	546	564	582	600	618	636	654	672	690	708
	0,6	376	394	412	429	456	475	492	510	528	546	564	582	600	618	636	654	672	690	708	726	744
	0,8	399	418	436	455	484	503	521	540	559	578	597	616	635	654	673	692	711	730	749	768	787
	1	423	443	464	484	516	536	557	578	599	620	641	662	683	704	725	746	767	788	809	830	851
	1,2	445	467	488	509	543	565	587	609	632	655	677	700	723	746	769	792	815	838	861	884	907
	1,4	470	493	515	538	575	598	621	644	667	690	713	736	759	782	805	828	851	874	897	920	943
	1,6	492	516	540	564	603	626	650	674	698	722	746	770	794	818	842	866	890	914	938	962	986
	1,8	516	542	567	593	634	660	688	716	744	772	800	828	856	884	912	940	968	996	1024	1052	1080
	2	539	565	591	618	662	688	716	744	772	800	828	856	884	912	940	968	996	1024	1052	1080	1108
	2,2	563	591	619	647	693	721	749	777	805	833	861	889	917	945	973	1001	1029	1057	1085	1113	1141



- 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			
	1					2					1,8				2,6				3,4			
	0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4				
The laths protrude from the box	0,4	406	459	475	491	515	531	549	567	585	603	621	639	657	675	693	711	729	747	765	783	801
	0,6	466	484	501	520	546	564	582	600	618	636	654	672	690	708	726	744	762	780	798	816	834
	0,8	488	507	525	544	574	592	611	630	649	668	687	706	725	744	763	782	801	820	839	858	877
	1	512	532	552	573	605	625	646	667	688	709	730	751	772	793	814	835	856	877	898	919	940
	1,2	534	555	576	598	631	653	675	697	719	741	763	785	807	829	851	873	895	917	939	961	983
	1,4	557	580	603	626	663	685	707	729	751	773	795	817	839	861	883	905	927	949	971	993	1015
	1,6	579	603	627	651	690	714	738	762	786	810	834	858	882	906	930	954	978	1002	1026	1050	1074
	1,8	603	628	654	679	720	746	771	796	821	846	871	896	921	946	971	996	1021	1046	1071	1096	1121
	2	625	651	677	704	748	774	800	826	852	878	904	930	956	982	1008	1034	1060	1086	1112	1138	1164
	2,2	648	676	704	732	779	807	835	863	891	919	947	975	1003	1031	1059	1087	1115	1143	1171	1199	1227
255x245	0,4	406	459	475	491	515	531	549	567	585	603	621	639	657	675	693	711	729	747	765	783	801
	0,6	466	484	501	520	546	564	582	600	618	636	654	672	690	708	726	744	762	780	798	816	834
	0,8	488	507	525	544	574	592	611	630	649	668	687	706	725	744	763	782	801	820	839	858	877
	1	512	532	552	573	605	625	646	667	688	709	730	751	772	793	814	835	856	877	898	919	940
	1,2	534	555	576	598	631	653	675	697	719	741	763	785	807	829	851	873	895	917	939	961	983
	1,4	557	580	603	626	663	685	707	729	751	773	795	817	839	861	883	905	927	949	971	993	1015
	1,6	579	603	627	651	690	714	738	762	786	810	834	858	882	906	930	954	978	1002	1026	1050	1074
	1,8	603	628	654	679	720	746	771	796	821	846	871	896	921	946	971	996	1021	1046	1071	1096	1121
	2	625	651	677	704	748	774	800	826	852	878	904	930	956	982	1008	1034	1060	1086	1112	1138	1164
	2,2	648	676	704	732	779	807	835	863	891	919	947	975	1003	1031	1059	1087	1115	1143	1171	1199	1227



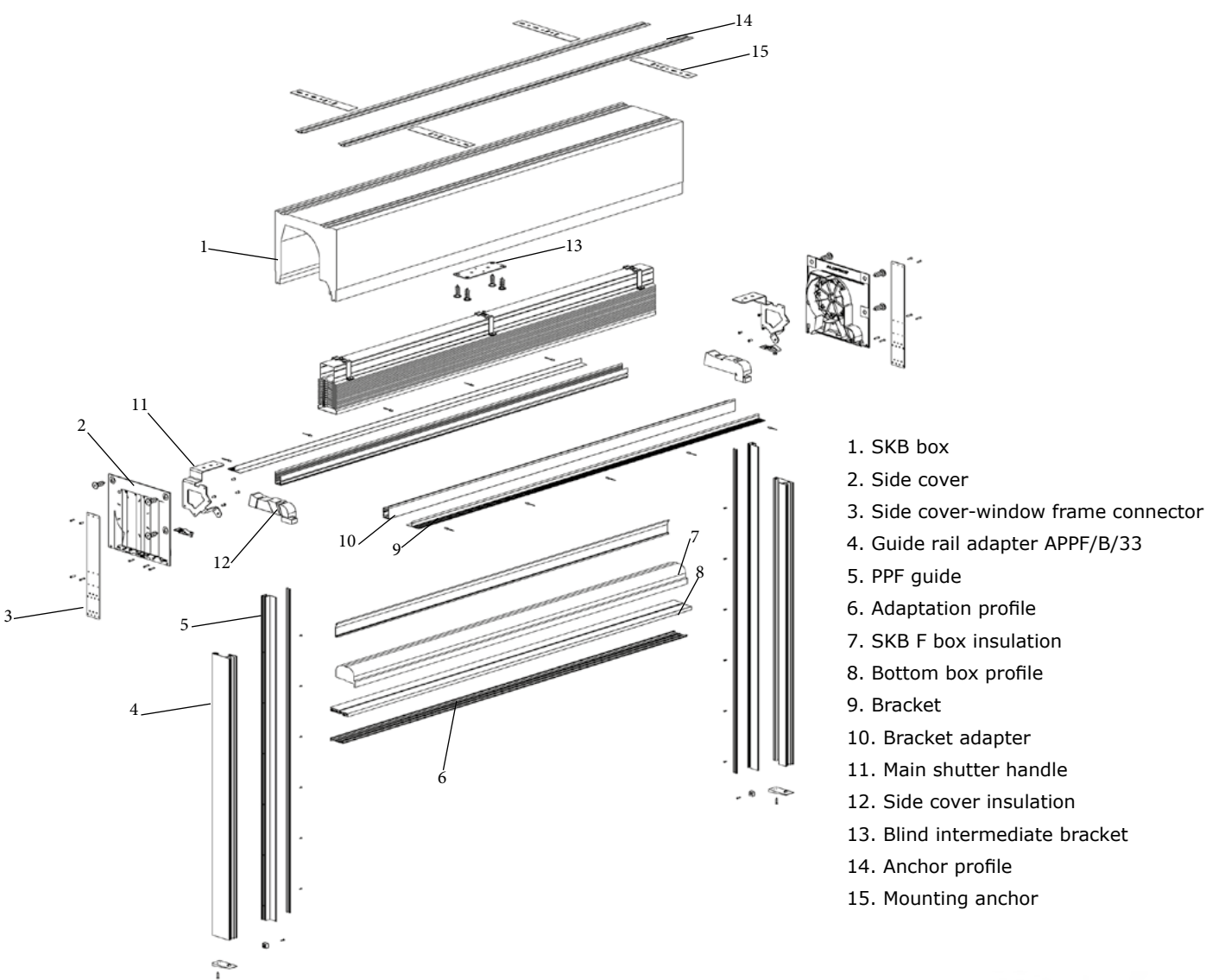
- Price includes:
- Blind package with Z-90 slats in standard colour.
 - Top rail hangers in a quantity depending on the width
 - Type 2 slides in the standard colour
 - CleverBox in white
 - ELERO JA Soft motor.
- Price not included:
- Additional fixing of the CleverBox to the lintel.

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 NHK	6 Nm	9 / 10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74,00	67,00
	JA COMFORT 868		x	x	x	x	x		117,00	110,00
	JA 10 NHK	x						x	-	770,00
GEIGER	GJ56	x							4,00	23,00
SOMFY	J4 WT		x						32,00	50,00
	J4 WT PROTECT		x		x				45,00	66,00
	J4 IO PROTECT		x		x	x			208,00	285,00

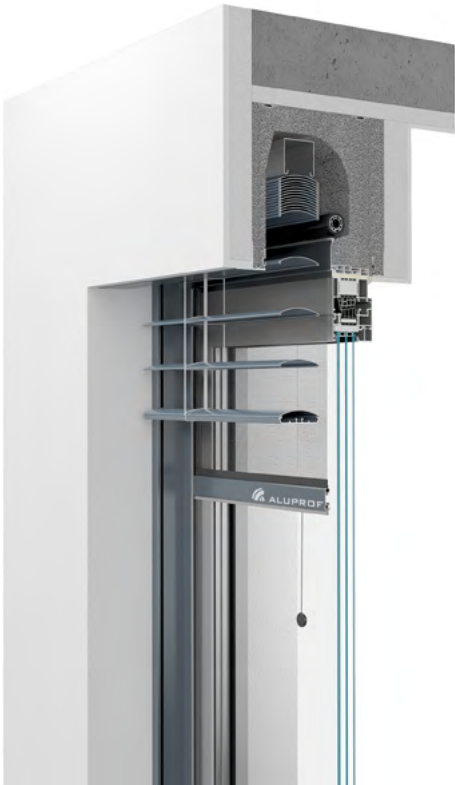
Surcharges for CleverBox roller shutters

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	8,10€ per blind
Pins	Price
PVC	Included in the price
Steel	5,90€/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	40,50€/unit

5. STYROTERM facade blinds

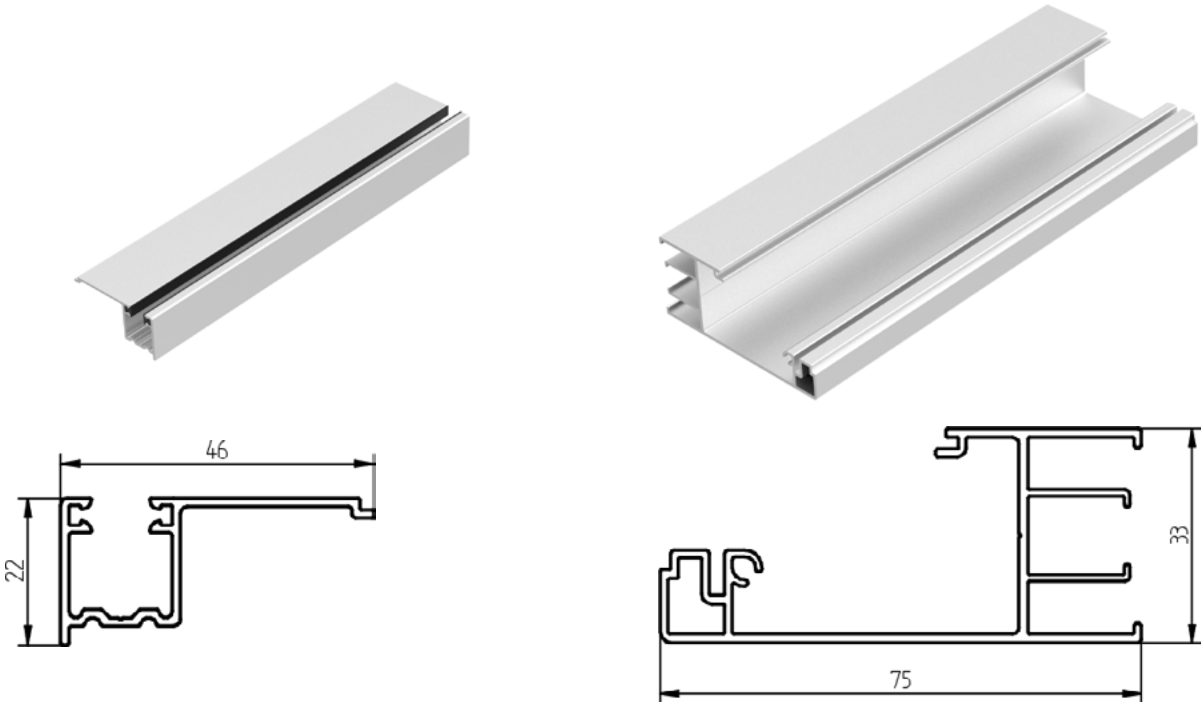


- The STYROTERM box is characterised by high rigidity and stability.
- High thermal and acoustic performance.
- Used for passive construction.



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	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
264x260	0,4	276	296	316	335	360	380	406	425	450	470	496	515	541	561	586	606	631	651
	0,6	292	313	334	354	381	402	428	449	476	496	523	544	571	591	618	639	665	686
	0,8	308	330	351	373	401	423	451	473	501	523	550	572	600	622	650	672	700	721
	1	324	346	369	392	422	445	474	496	526	549	578	600	630	653	682	705	735	757
	1,2	339	363	387	411	443	466	496	520	551	575	605	629	660	684	714	738	769	793
	1,4	355	380	405	430	463	488	519	544	576	601	632	657	690	715	746	771	804	829
	1,6	371	397	423	449	483	509	541	567	601	628	660	685	720	746	778	804	838	864
	1,8	387	414	440	468	504	531	564	590	627	654	687	714	750	776	810	836	873	900
	2	402	430	458	486	524	552	586	614	652	680	714	742	780	808	842	870	907	935
	2,2	418	447	476	505	544	574	609	638	677	706	741	770	810	839	874	903		
The laths protrude from the box	2,4	433	462	492	522	563	592	628	658	698	728	764	794	834	864				
	2,6	448	479	510	541	583	614	651	681	723	754	791	822	864					
	2,8	464	496	528	560	603	635	673	705	748	780	818	850						
	3	480	513	545	578	624	656	695	728	773	806	845							
	3,2	495	530	564	598	644	678	718	752	799	833								
	3,4	511	546	582	617	665	699	740	775	824									
	3,6	527	563	599	636	685	721	763	800	849									
	3,8	543	580	618	654	705	742	786	823										
	4	559	597	635	673	726	764	808	847										



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	
264x260	0,4	335	355	374	394	419	439	464	484	509	529	555	574	599	619	645	664	690	709
	0,6	350	371	392	413	439	460	487	508	534	555	582	602	630	650	676	698	724	745
	0,8	366	388	410	432	460	481	510	531	560	581	609	630	659	681	709	730	759	780
	1	382	405	428	450	480	503	532	555	585	608	636	659	689	712	740	763	793	816
	1,2	398	422	445	470	500	525	555	578	610	633	664	687	719	743	772	796	828	851
	1,4	414	438	464	489	521	546	577	602	635	660	691	715	749	773	804	829	862	887
	1,6	430	455	481	508	542	568	600	626	660	686	718	744	779	804	836	862	897	923
	1,8	445	472	499	526	563	589	622	649	685	712	745	772	808	835	868	895	931	958
	2	461	489	517	545	583	611	645	673	710	739	772	800	838	866	900	929	966	994
	2,2	476	506	535	564	603	632	667	696	736	765	800	829	868	897	932	961	1 000	1 029
311x305	2,4	491	521	551	580	621	651	686	716	757	786	822	852	892	922	958	988	1 028	1 098
	2,6	507	538	569	599	641	672	709	740	782	812	850	880	922	953	990	1 061	1 103	1 134
	2,8	523	555	586	618	662	694	731	764	807	839	877	909	952	984	1 062	1 094	1 137	1 169
	3	539	571	605	637	682	715	754	787	832	865	904	937	982	1 055	1 094	1 127	1 172	1 205
	3,2	554	588	622	656	703	736	776	811	857	891	931	965	1 052	1 086	1 126	1 160	1 206	1 240
	3,4	570	605	640	675	723	758	799	834	882	917	958	1 034	1 082	1 117	1 158	1 193	1 240	1 276
	3,6	586	622	658	694	743	780	822	858	908	943	1 025	1 062	1 111	1 148	1 190	1 226	1 275	1 311
	3,8	601	639	675	713	764	801	844	881	933	1 010	1 053	1 090	1 141	1 179	1 221	1 259	1 310	1 347
	4	618	655	694	731	784	823	867	905	958	1 036	1 080	1 119	1 171	1 210	1 253	1 292	1 345	1 383
	The laths protrude from the box																		



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			74,00	67,00
	JA COMFORT 868		x	x	x	x	x		117,00	110,00
	JA 10 NHK	x						x	-	770,00
GEIGER	GJ56	x							4,00	23,00
SOMFY	J4 WT		x						32,00	50,00
	J4 WT PROTECT		x		x				45,00	66,00
	J4 IO PROTECT		x		x	x			208,00	285,00

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
		Height																	
264x260	0,4	276	296	316	335	360	380	406	426	451	470	496	516	541	561	586	606	632	651
	0,6	293	314	335	356	384	405	432	453	480	501	528	549	576	597	624	645	673	694
	0,8	309	330	352	375	403	425	453	475	504	525	554	575	605	626	654	676	705	727
	1	325	349	372	395	426	449	479	502	533	556	581	608	639	662	692	715	746	769
311x305	1,2	341	365	390	413	445	470	500	524	556	581	610	635	668	691	721	746	778	802
	1,4	358	383	409	434	469	494	525	551	585	611	643	668	702	728	759	785	819	845
	1,6	373	400	426	453	488	515	547	573	609	636	668	694	730	757	789	815	851	878
	1,8	390	418	445	473	511	539	573	600	638	666	699	727	765	793	827	855	892	920
The laths protrude from the box	2	405	434	463	491	531	559	594	623	662	691	725	754	793	822	856	885	924	953
	2,2	423	453	482	512	554	584	619	649	691	721	757	787	828	858	894	924		
	2,4	438	469	500	530	573	604	641	672	715	745	783	814	856	887				
	2,6	455	487	519	551	596	628	666	699	744	775	814	846	891					
	2,8	470	503	536	569	616	649	688	721	768	800	840	872						
	3	487	521	556	590	639	673	713	748	796	831	871							
	3,2	502	538	573	608	658	694	735	770	820	855								
	3,4	519	556	593	629	681	718	760	797	849									
	3,6	534	572	610	647	701	738	782	820	873									
	3,8	551	590	630	668	724	763	808	846										
	4	567	607	646	686	743	783	829	869										

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	335	355	375	394	420	439	465	484	510	530	555	575	600	620	645	665	690	710
		0,6	352	373	394	415	443	463	490	511	539	560	586	607	635	655	683	704	731	752
		0,8	367	389	411	433	462	484	511	534	563	585	611	634	663	685	713	735	764	785
		1	384	407	431	454	485	508	537	560	591	615	644	666	698	721	750	773	804	828
		1,2	399	424	448	472	504	528	558	583	615	639	669	693	726	750	780	804	836	860
		1,4	416	442	467	493	528	553	585	610	644	670	701	726	761	786	817	843	878	903
		1,6	432	458	484	511	547	573	605	632	668	694	726	753	789	815	848	874	910	936
		1,8	448	476	504	532	570	597	631	659	696	724	758	785	824	851	885	913	951	978
		2	464	493	521	550	589	618	653	681	720	749	784	812	852	880	915	944	983	1 011
		2,2	481	511	541	571	612	642	678	708	749	779	815	845	886	916	953	983	1 024	1 054
The laths protrude from the box	2,4	496	528	558	589	632	663	699	730	773	804	841	871	915	945	982	1 013	1 056	1 127	
	2,6	513	545	577	610	655	687	725	757	802	834	872	905	950	981	1 020	1 092	1 137	1 169	
	2,8	529	562	595	628	674	707	746	780	825	859	898	931	977	1 011	1 090	1 123	1 169	1 203	
	3	545	580	614	649	697	731	772	806	855	889	930	964	1 012	1 087	1 128	1 162	1 210	1 245	
	3,2	561	596	631	666	717	751	794	829	878	914	955	990	1 081	1 116	1 158	1 193	1 243	1 278	
	3,4	578	615	651	688	740	776	819	855	908	944	987	1 064	1 116	1 152	1 195	1 232	1 284	1 320	
	3,6	593	630	668	706	759	797	840	878	931	969	1 053	1 090	1 144	1 181	1 225	1 262	1 315	1 353	
	3,8	610	649	688	727	782	821	866	905	960	1 039	1 084	1 124	1 179	1 218	1 262	1 301	1 356	1 396	
264x260	4	625	665	705	745	802	841	887	927	984	1 064	1 110	1 150	1 206	1 246	1 292	1 332	1 389	1 429	

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).

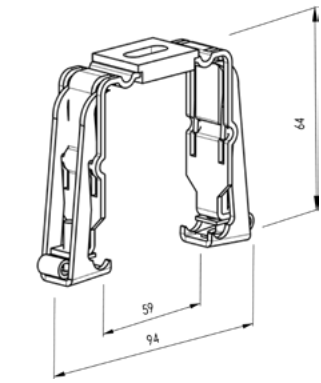


Manufacturer	Model motor	Mechanical end stops	Electronic limit switches	Silent brake	Obstacle and ice detection (for upward movement)	Automatic end position correction	Radio receiver	Emergency system opening NHK	6 Nm	9/10 Nm
ELERO	JA SOFT	x		x					in price	
	JA COMFORT		x	x	x	x			74,00	67,00
	JA COMFORT 868		x	x	x	x	x		117,00	110,00
	JA 10 NHK	x						x	-	770,00
GEIGER	GJ56	x							4,00	23,00
SOMFY	J4 WT		x						32,00	50,00
	J4 WT PROTECT		x		x				45,00	66,00
	J4 IO PROTECT		x		x	x			208,00	285,00

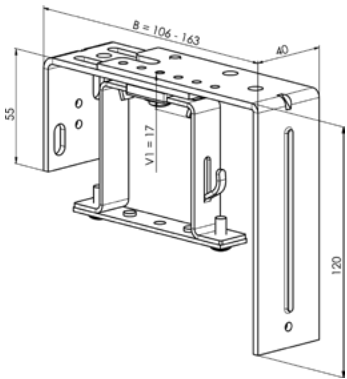
Surcharges for blinds in Styroterm boxes

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	8,10€ zł per blind
Pins	
PVC	Included in the price
Steel	5,90€/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)	54,50€m²

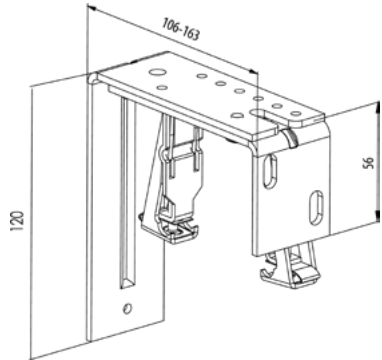
6. Components for facade blinds



Hanger „klik“
Price 2,00 €/pc
SBFURGTKZ00000001

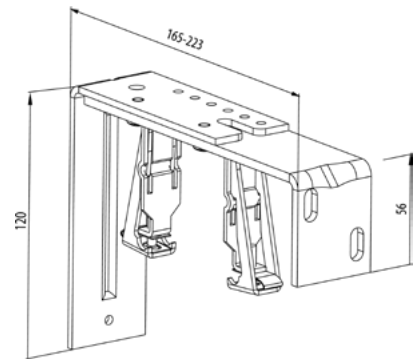
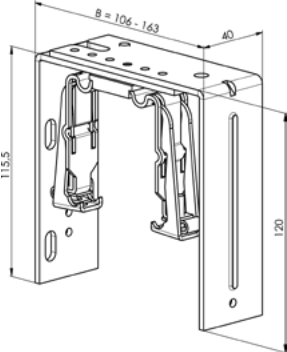


Hanger with plate
Price 8,80 €/pc
SBFURGTBZO0000001



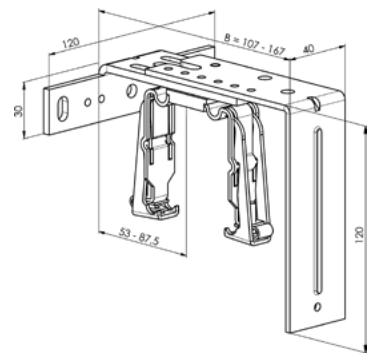
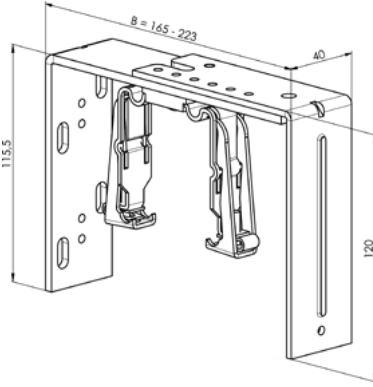
Adjustable handle with hanger click 106-163
Price 8,10 €/pc
SBFURGTKZ00000001

Double click holder adjustable 106-163
Price 8,60 €/pc
SBFURGTKZOW016301



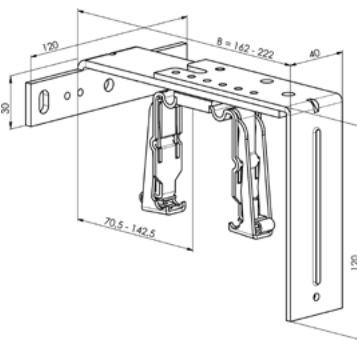
Adjustable handle with hanger click 165-223
Price 9,10 €/pc
SBFURGTKZ00022501

Double clip, adjustable with click 165-223
Price 10,30 €/pc
SBFURGTKZOWP22301



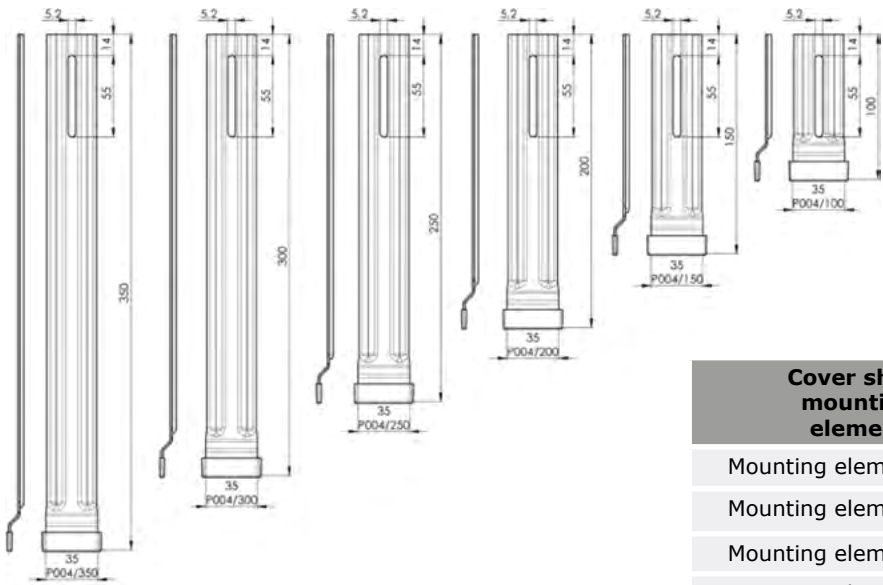
Slim grip, adjustable with click 107-167
Price 17,90 €/pc
SBFUUWNZWK1030001

Slim grip, adjustable with click 162-222
Price 20,40 €/pc
SBFUUWNZWK1031001



Number of hangers, depending on the width of the blinds

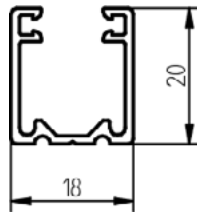
Blind width	do 1600 mm	1601-2400 mm	2401-3200 mm	3201-4000 mm
Number of hangers and sheet metal fittings casing	2	3	4	5



Fastening element for covering sheets used with top rail hanger

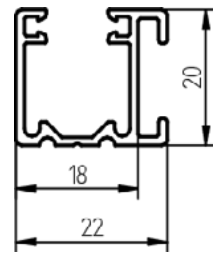
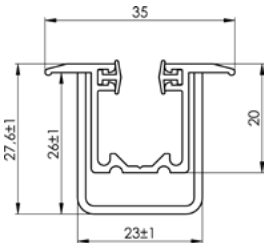
Cover sheet mounting element	Applied at the height of the cover plate	Price €/pc
Mounting element „100“	140-190 mm	1,00
Mounting element „150“	191-240 mm	1,00
Mounting element „200“	241-290 mm	1,20
Mounting element „250“	291-340 mm	1,70
Mounting element „300“	341-390 mm	1,70
Mounting element „350“	391-440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

Guides



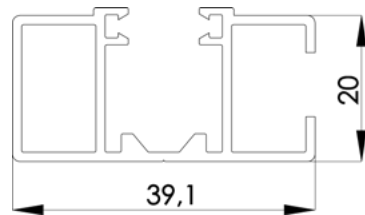
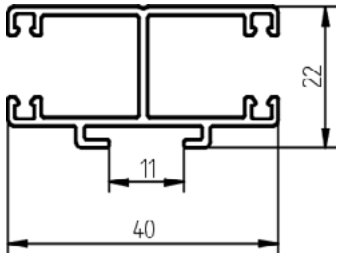
Typ 1
Price 8,80 €/rm
SDAEGFPT100000S01

Concealed slide Type PT (two-piece set)
Price 4,40 €/rm
SDAEGFPTPTCZPT001
Price 9,60 €/rm
SDAEGFPTPTCZW0001



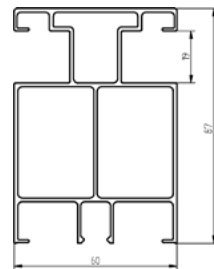
Typ 2
Price 9,60 €/rm
SDAEGFPT200000S01

Typ D2
Price 16,00 €/rm
SDAEGFPTD20000S01

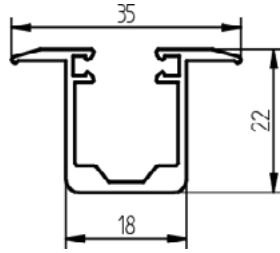


Self-supporting type
Price 13,30 €/rm
SDAEGFPTS00000001

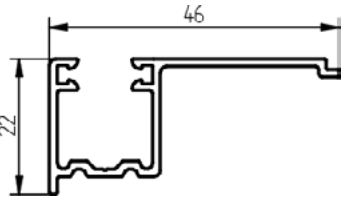
Typ PG 10
Price 6,10 €/rm
SDAESPG1000000001



Typ PG 12
Price 9,60 €/pc
SDAEGFPTPTCZW0001



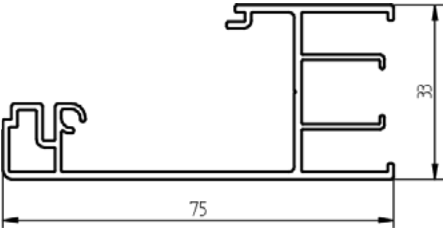
Guides



Typ PPF SKBF

Price	10,00 €/rm
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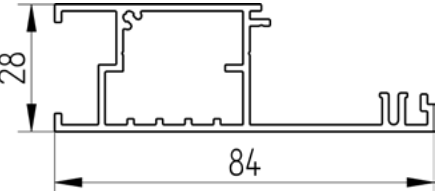
SDAEGFPPF00000001



Typ APPFB33

Price	26,20 €/rm
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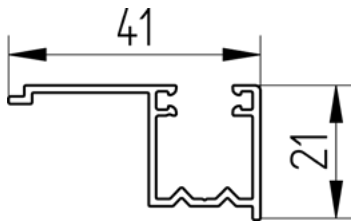
SDAEGFAPPFB330001



Vbox base slide

Price	19,40 €/rm
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SDAEGFPVB00000001

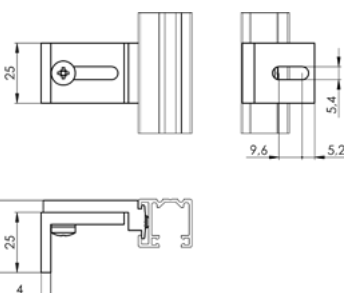


Vbox operating guide (slide)

Price	8,80 €/rm
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SDAEGFPVS00000001

Guide handles



Type L

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

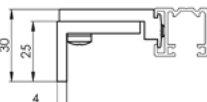
Price	4,40 €/pc
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SBFUDPL1000701601

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

Price	4,40 €/pc
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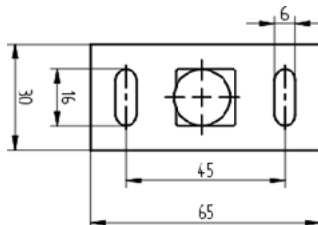
SBFUDPL2000000001



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

Price	4,40 €/pc
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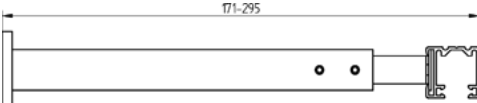
SBFUDPL3000000001



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

Price	13,00 €/pc
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SBFUDPT1000000001

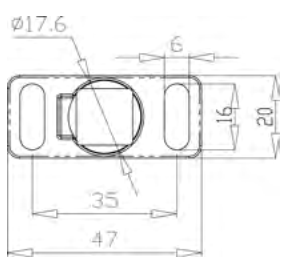


Type T2 (171-295mm) - For use with slides Type 2 and D2 and selfsupporting

Price	16,20 €/pc
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SBFUDPT2000000001

Guide handles



Type S

Type S1 (56-80 mm)

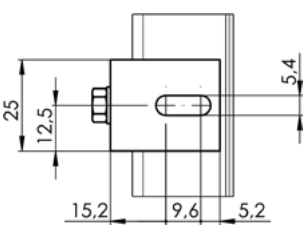
Price	5,60 €/pc
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SBFUDPS0000000001

Type S2 (81-125 mm)

Price	6,90 €/pc
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SBFUDPS2000000001



Type PT

Type PT1 (20-78mm)

Price	2,00 €/pc
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SBFUDPPTLP1000001

Type PT2 (55-124mm)

Price	2,20 €/pc
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SBFUDPPTLP2000001

Type PT3 (104-174mm)

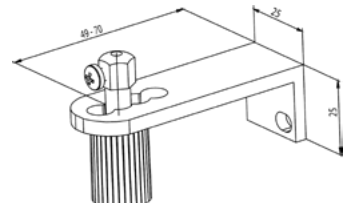
Price	2,70 €/pc
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SBFUDPPTLP2100001

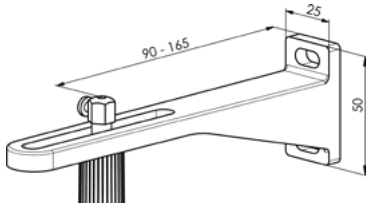
Number of lugs in the guide depending on the height of the blind (for one guide)

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

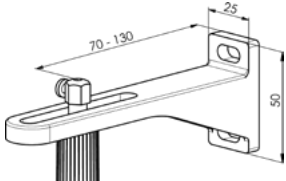
Wire fixes



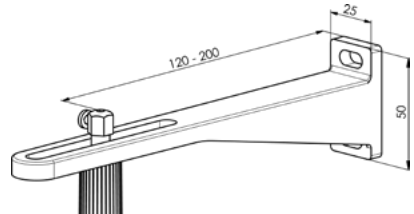
U1	
Price	6,40 €/pc
SBFULSU1000000001	



U3	
Price	6,90 €/pc
SBFULSU3009016501	

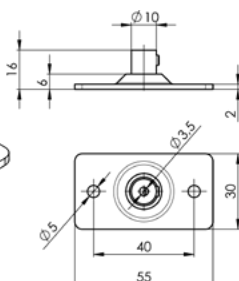
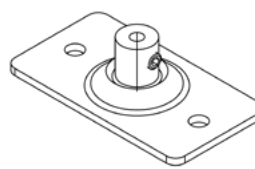


U2	
Price	6,90 €/pc
SBFULSU2007013001	

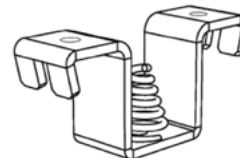


U4	
Price	7,10 €/pc
SBFUDPPTLP2100001	

Tensioning bracket for cable tensioner (floor)	
Price	6,10 €/pc
SBFULNPDA00000001	



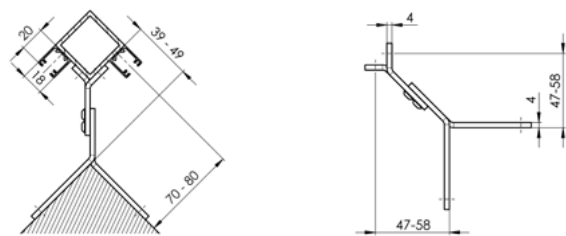
Tensioning cable anode (for set with tension bracket)	
Price	3,00 €/pc
SBFULNPDA04400001	



Angle connectors

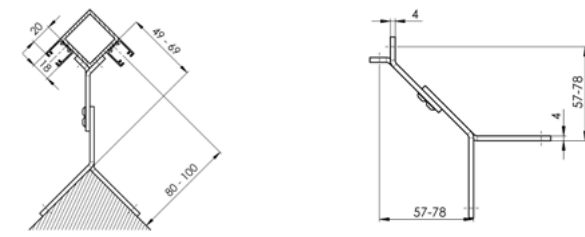
With an offset of 70 mm from the wall, the measured width of the louvre is increased by 39 mm. With an offset of a further 1 mm, the width of the louvre also increases by 1 mm.

External corner connector 70-80mm	
Price	11,00 €/pc
SBFULKZ0070800001	



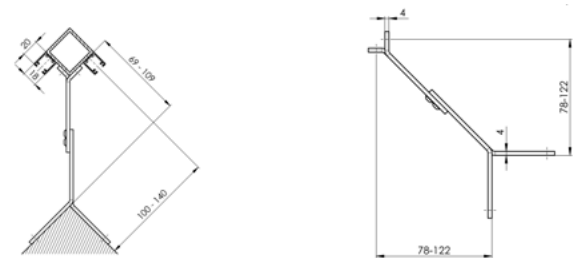
With an offset of 80 mm from the wall, the measured width of the louvre is increased by 49 mm. With an offset of a further 1 mm, the width of the louvre also increases by 1 mm.

External corner connector 80-100mm	
Price	13,50 €/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.

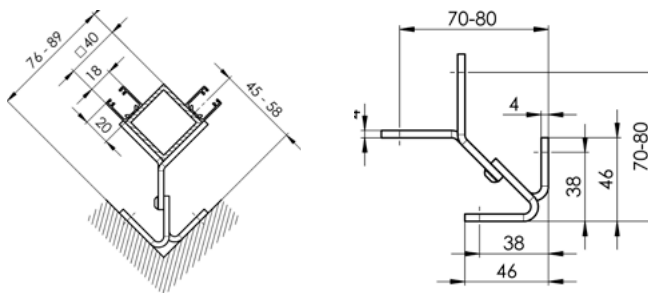
External corner connector 100-140mm	
Price	31,10 €/pc
SBFULKZ1001400001	



Angle connectors

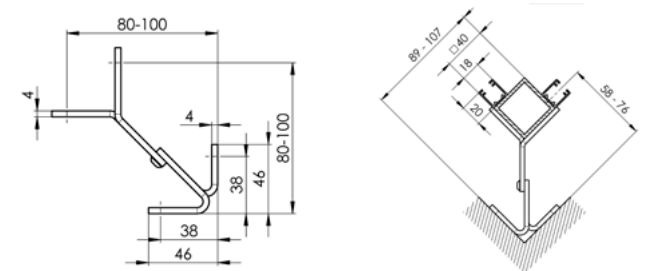
At an offset of 45 mm from the wall, the measured width of the louvre is reduced by 39 mm. With an offset of a further 1 mm, the width of the louvre also decreases by 1mm.

Inner angle connector 45-59mm	
Price	25,50 €/pc
SBFULKW0045590001	



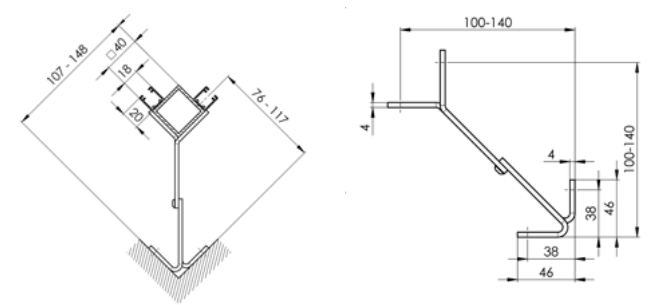
With an offset of 56 mm from the wall, the measured width of the louvre is reduced by 87 mm. With an offset of a further 1 mm, the width of the louvre also decreases by 1 mm.

Inner angle connector 59-76mm	
Price	26,00 €/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.

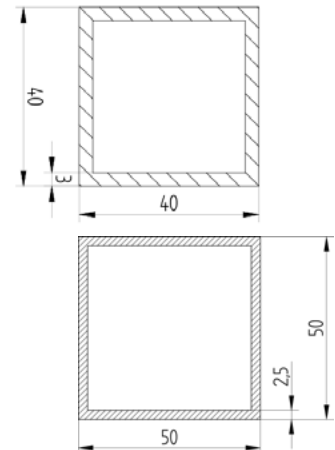
Inner angle connector 76-117mm	
Price	29,20 €/pc
SBFULKW0761170001	



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

Connecting profile (40x40x3) (compulsory when using connectors for C-80 blinds)	
Price	18,90 €/pc
SDAECFPL000000001	

Connecting profile (50x50x2.5) (compulsory when using connectors for Z-90 blinds)	
Price	20,90 €/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	185	192	199	206	220	227	234	241	249	263	270	277	284	298	305	312	319	326
	0,6	189	198	206	215	230	239	247	255	264	279	288	296	304	320	328	337	345	354
	0,8	194	204	213	223	240	250	260	269	279	296	305	315	325	342	351	361	371	380
	1,0	199	210	220	231	250	261	272	283	294	313	324	334	345	364	375	386	396	407
	1,2	204	216	228	240	260	273	285	296	309	329	341	354	365	386	398	410	422	434
	1,4	209	222	235	248	270	284	297	310	324	346	359	373	386	408	421	435	448	461
	1,6	213	228	242	257	281	295	310	324	339	363	377	392	406	430	445	459	474	488
	1,8	218	234	249	265	291	306	322	338	354	380	395	411	426	453	468	484	500	515
	2,0	223	240	256	274	301	318	335	352	369	396	413	430	447	475	491	508	525	542
	2,2	228	245	264	282	311	329	348	365	384	413	431	449	467	496	515	533	551	569
Height	2,4	231	250	269	288	318	337	356	375	394	425	444	463	481	512	531	550	569	588
	2,6	236	256	276	296	329	349	369	389	409	441	461	482	502	534	554	575	595	615
	2,8	240	262	283	305	339	360	381	403	424	458	480	501	522	556	578	599	620	642
	3,0	245	268	290	313	349	371	394	416	439	475	498	520	543	578	601	624	646	669
	3,2	250	274	298	321	359	383	406	430	454	491	515	539	563	600	624	648	695	719
	3,4	255	280	305	330	369	394	419	444	469	508	533	559	584	623	648	696	721	746
	3,6	260	286	312	339	379	405	432	458	484	525	551	578	604	668	695	721	747	773
	3,8	264	292	319	347	389	417	444	472	499	542	569	597	648	690	718	745	773	800
	4,0	269	298	326	355	400	428	457	485	514	559	587	639	668	712	741	770	799	827
	4,2	274	304	334	364	410	440	470	499	529	575	629	659	689	735	764	794	824	1028
Height	4,4	279	310	341	372	420	451	482	513	544	592	646	678	709	756	788	819	1024	1055
	4,6	284	316	348	380	430	462	495	527	559	632	665	697	729	779	811	1017	1050	1082
	4,8	288	322	355	389	440	474	507	541	598	649	683	716	750	801	1008	1041	1075	1109
	5,0	293	328	363	397	450	485	520	555	613	665	700	735	770	996	1031	1066	1101	1136

7.2 Z-90 packages

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



		Width																		Height
		0,6	0,8	1	1,2	1,4	1,6	1,8	2	2,2	2,4	2,6	2,8	3	3,2	3,4	3,6	3,8	4	
0,4		189	196	204	211	227	235	242	250	257	273	280	288	295	311	319	326	334	341	
0,6		195	203	211	220	238	246	255	263	272	290	298	307	315	333	342	350	359	367	
0,8		202	212	222	232	253	263	273	283	293	314	324	334	344	365	375	385	395	405	
1,0		208	219	230	240	264	275	286	296	308	331	342	353	364	387	398	409	420	430	
1,2		215	228	240	253	279	291	304	316	329	355	367	380	392	419	431	443	456	468	
1,4		221	234	248	261	290	303	316	330	343	372	385	399	412	440	454	467	481	494	
1,6		229	244	258	273	305	320	335	350	364	396	411	426	440	472	487	502	517	531	
1,8		234	250	266	282	315	331	347	363	379	413	429	445	460	494	510	526	542	558	
2,0		242	259	276	294	330	348	365	383	400	437	454	471	489	526	543	560	578	595	
2,2		247	266	284	302	341	360	378	396	415	454	472	490	509	548	566	585	603	621	
2,4		255	275	295	315	356	376	396	416	436	478	498	518	537	579	599	619	639	659	
2,6		260	281	302	323	367	388	409	430	450	495	515	536	557	601	622	643	664	685	
2,8		268	290	313	335	382	405	427	449	471	519	541	564	586	633	655	678	700	722	
3,0		274	297	320	344	393	416	440	463	486	536	559	582	605	655	678	702	725	748	
3,2		281	306	331	355	408	433	458	483	507	560	585	609	634	687	711	736	785	809	
3,4		287	313	338	364	419	445	470	496	522	577	603	628	654	709	735	784	810	835	
3,6		295	322	349	376	434	461	489	516	543	601	628	655	683	764	791	818	845	873	
3,8		300	328	356	385	445	473	501	530	558	618	646	674	726	786	814	842	870	899	
4,0		308	338	367	397	460	490	519	549	579	642	671	725	754	818	847	877	906	936	
4,2		313	344	375	405	470	501	532	563	593	659	713	744	774	840	870	901	931	1136	
4,4		321	353	385	417	486	518	550	582	615	683	739	770	803	871	903	935	1141	1174	
4,6		326	360	393	426	496	530	563	596	629	723	756	790	823	893	926	1133	1166	1200	
4,8		334	369	403	438	511	546	581	615	674	747	782	816	851	925	1133	1168	1203	1237	
5,0		340	375	411	446	522	558	594	629	688	764	800	835	871	1121	1156	1192	1228	1263	

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		
0,4	185	192	200	206	221	228	235	242	249	263	270	277	285	299	306	313	320	327	
0,6	190	199	207	215	231	240	248	256	265	281	289	298	306	322	330	339	347	355	
0,8	195	205	215	224	242	252	261	271	281	299	308	318	328	345	355	365	374	384	
1,0	200	211	222	233	253	264	275	285	296	316	327	338	349	369	380	390	401	413	
1,2	205	218	230	242	263	275	288	300	313	334	346	358	370	392	404	416	429	441	
1,4	209	222	235	248	271	284	297	310	324	346	359	373	385	408	421	435	448	461	
1,6	214	228	243	257	281	296	310	325	339	364	378	393	407	431	446	460	475	490	
1,8	219	235	250	266	292	308	324	340	355	381	397	413	429	455	471	486	502	518	
2,0	224	241	258	275	303	320	337	354	371	399	416	433	450	478	495	512	529	546	
2,2	229	247	265	284	314	332	350	369	387	417	435	454	472	501	520	538	556	575	
2,4	234	253	273	293	324	344	364	383	403	434	454	474	493	525	545	564	584	604	
2,6	239	260	280	301	335	356	377	398	419	452	473	494	515	548	569	590	611	632	
2,8	244	266	288	310	345	368	390	412	435	470	492	514	536	571	594	616	638	660	
3,0	249	272	295	319	356	380	403	427	450	487	511	534	558	595	618	642	665	689	
3,2	254	278	303	328	367	391	416	441	466	505	530	555	580	618	643	668	716	741	
3,4	257	283	309	334	374	400	426	451	477	517	543	569	595	635	660	710	735	761	
3,6	262	289	316	343	385	412	439	466	493	535	562	589	616	681	708	735	762	789	
3,8	267	295	324	352	395	424	452	480	509	553	581	609	661	705	733	761	790	818	
4,0	272	301	331	361	406	436	465	495	525	570	600	653	683	728	758	787	817	846	



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					109	140	-	305
	JA COMFORT		x	x	x	x			183	207	-	-
	JA COMFORT 868		x	x	x	x	x		225	250	-	-
	JA 10 NHK	x						x	-	775	-	-
GEIGER	GJ56	x							113	163	-	-
SOMFY	J4 WT		x						141	190	199	-
	J4 WT PROTECT*		x		x				154	206	291	-
	J4 IO PROTECT*		x		x	x			317	425	481	-

* 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	20,00
Smooove DUO WT 5P	5-position switch with hold-open function, for controlling two blinds, flush-mounted	38,70
1-key switch	1gang 1-key switch p/t with holding function, white (without frame)	14,50
2-key switch	2gang 2-key switch p/t without holding, white (without frame)	14,50
Adapter	Surface-mounted adapter for switches (white)	3,80
Frame	Surface frame for switches white	1,80
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	71,70
Eolis Sensor WT	Wired wind sensor in the form of a fan	84,00
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	336,50
Smooove UNO IB	Individual switch for one blind compatible with Soliris Smooove IB+ Pure controll	91,50
Frames for Smooove	Frame for wall-mounted remote controls in pure colour	3,80
Frames for Smooove	Frame for wall-mounted remote controls in silver, matt silver or black	10,60
Eolis Sensor WT	Wired wind sensor in the form of a fan	71,70
Soliris Sensor WT	Wired solar-wind sensor in the form of a fan	84,00
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	62,20
SMOOVE 1 io shine black	Single-channel wall-mounted remote control in the form of a frameless switch in black	62,40
SMOOVE 1 io shine silver	Single-channel wall-mounted remote control in the form of a frameless switch in silver	69,80
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	69,80
Situo 1 Var IO Pure II	1-channel remote control. Infinitely variable slat angle adjustment	108,80
Situo 5 Var A/M IO Pure II	5-channel remote control. Infinitely adjustable slat angle. Works with solar-wind automation	113,50
Nina IO	60-channel remote control with touchscreen display. Individual and group control. Works with solar-wind automation	338,10
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.	277,00

Vario radio control		
VarioTel 2 White	VarioTel 2 5+1 channel remote control with manual/automatic on/off switch white	87,30
VarioTel silver/anthracite	VarioTel 2 remote control 5+1-channel incl. manual/automatic silver/anthracite	113,90
Solar-wind automation for IO motors and controllers		
Soliris 230 V IO	Solar-wind automation in the form of a fan including a power cable (requires 230 V power supply)	261,10
Eolis WireFree IO	Battery-powered wind sensor in the form of a fan	137,90
Sunis WireFree II IO	Battery-powered solar sensor	161,40
INEL radio controls		
ST-01RLZ	Controller for one blind with Hirschmann plugs (in a hermetic housing mounted to the side of the box)	39,70
PIL-05DL	5-channel remote control (incl. magnetic pendant)	31,50
PIL-09DL	09 channel remote control (incl. magnetic pendant)	37,30
PIL-19DL	19-channel remote control (complete with magnetic pendant)	42,90
PIL-19MMT	19-channel graphic remote control with timer; colour display (pendant included)	83,00
PIL-99MMT	99-channel graphic remote control with timer; colour display (pendant included)	97,40
Radio receiver		
EVb IO radio receiver	IO radio receiver for one blind - with Hirschmann plugs	205,40
Internet control		
TaHoma switch pro	Central control unit for internet connection	228,30
Accessories		
	Cable 5m with Hirschmann plug	25,30

Technological standards

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

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.

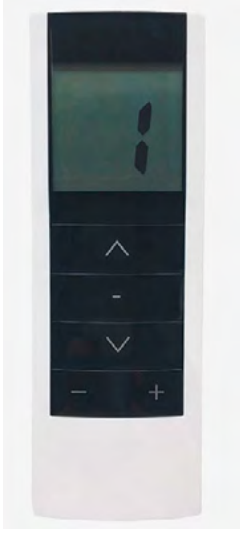
INEL remote controls



PIL-05DL



PIL-09DL



PIL-19DL

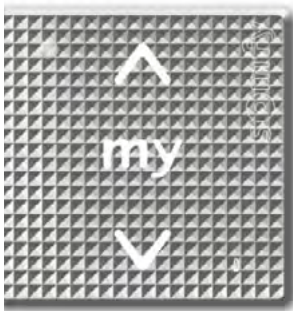


PIL-19MMT



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

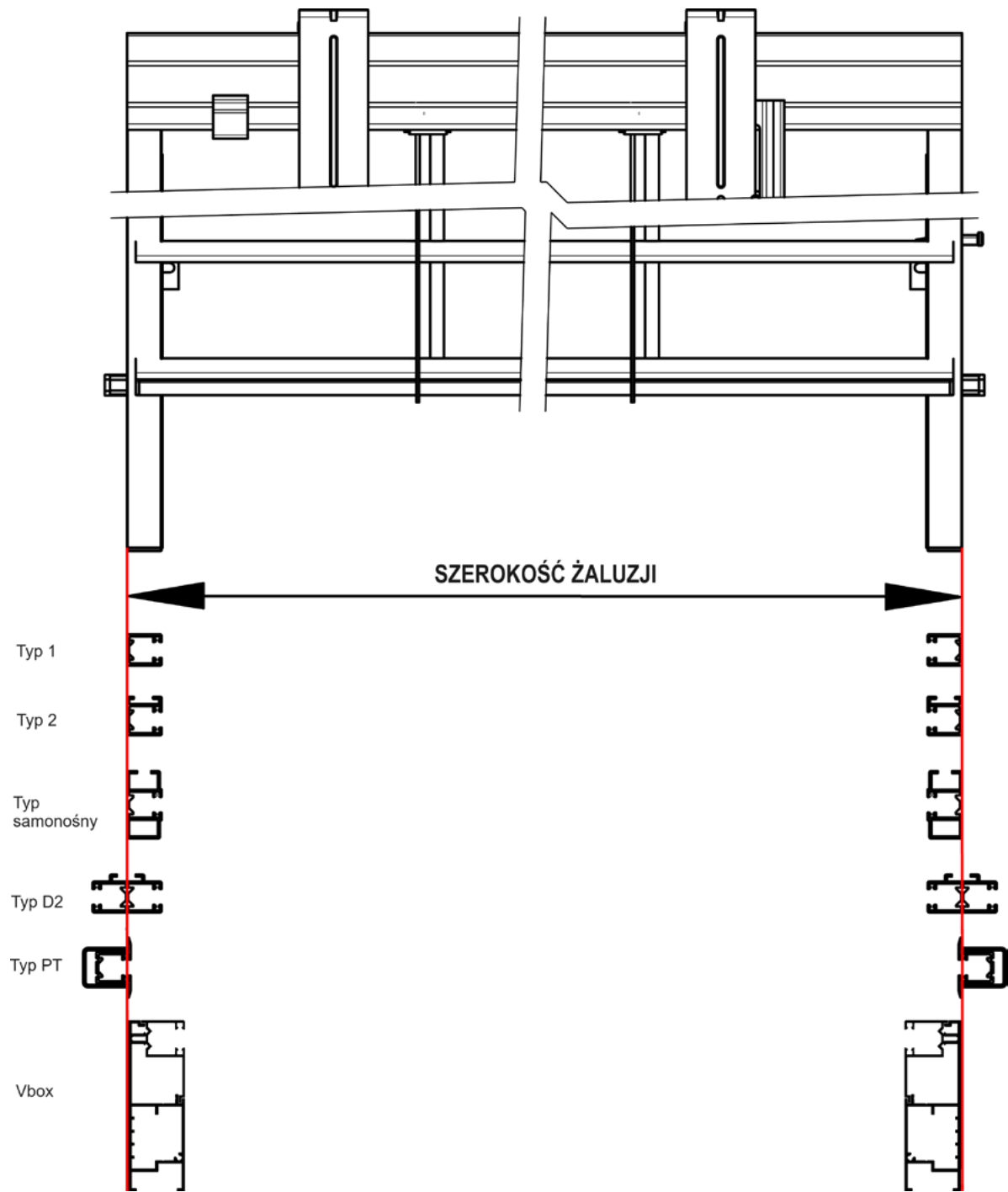
Szerokość wnęki mierzona po wykonaniu ocieplenia

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

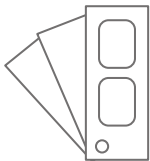


Installation of the pre-wall guide to the reveal

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.

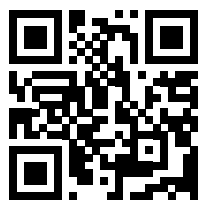
1. Spółka pod firmą: VERTEX S.A. z siedzibą w Czechowicach-Dziedzicach, 43-502, przy ul. E. Orzeszkowej 26, wpisana do Rejestru Przedsiębiorców Krajowego Rejestru Sądowego pod numerem KRS: 0000288773, którego akta rejestrowe prowadzi Sąd Rejonowy Katowice-Wschód w Katowicach Wydział VIII Gospodarczy 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 - 2025

The prices in the price list are net prices, exclusive of 23% VAT - 2025



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