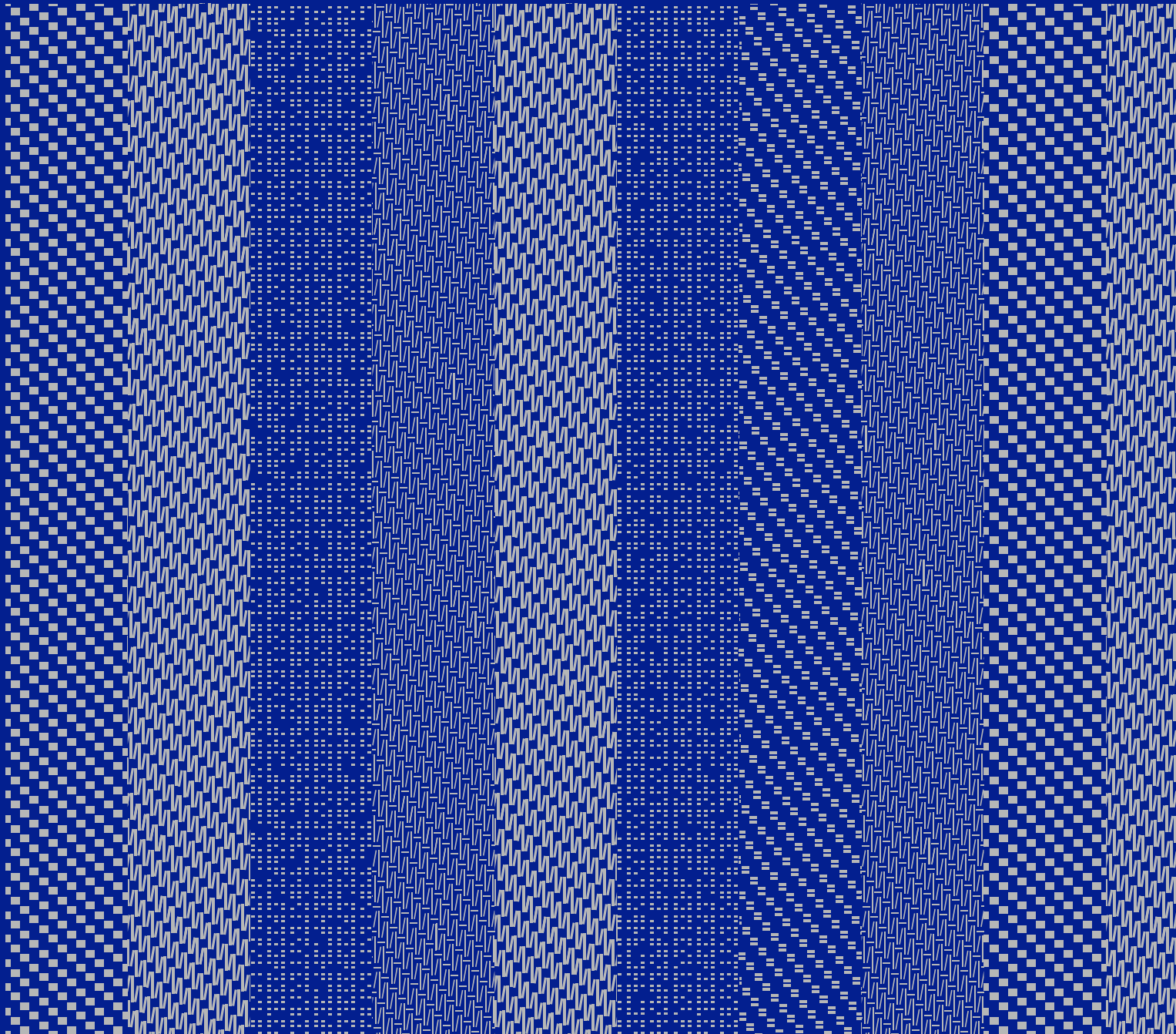


TECHNICAL SHEET

NEVA®

ZIPSCREEN
ZIP100

2021



CONTENTS

ZIP100

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Zipscreen wind resistance when using guiding rail holders	9
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FABRICS

Sergé 3%	12
Soltis Perform 92	16

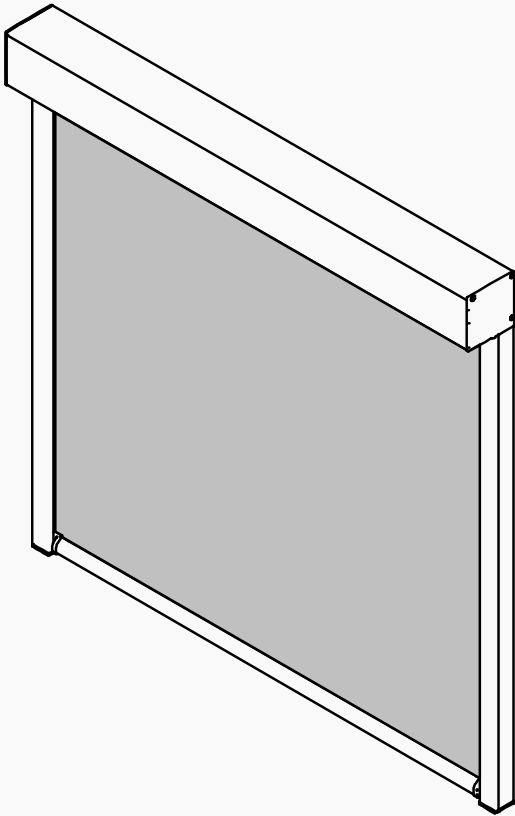
COMPONENTS

ZIP100 – square version	20
ZIP100 – half-rounded version	22

TECHNIC INFO

AL

ZIP100



STANDARD DESIGN

Box

- extruded aluminium
- two-component
- square, half-rounded
- colour according to RAL

Sides

- aluminium castings
- colour according to RAL

Roller tube

- galvanized steel, Ø 78 (70) mm

Control

- motor Somfy Maestria 50 WT

Fabric

- Sergé 3%, according to the NEVA swatch
- Soltis 92, according to the NEVA swatch
- with welded zipper on the sides of the fabric, zipper color gray
- upper part of the fabric equipped with a Fastfix profile
- lower part of the fabric has a pocket with a plastic locking profile

Guiding rails

- two-component, type SNP-click-clack or type SCR-screw-fastening
- coextruded plastic ZIP inlay, color black
- colour according to RAL
- pre-drilled holes for installation on the wall/to window sides
- plastic endcaps for guiding rail, colour black

Bottom bars

- extruded aluminium, 30 × 26 mm (small) or 30 × 55 mm (large)
- colour according to RAL
- including weight
- plastic endcaps, colour black

Connecting material

- stainless steel (A2)

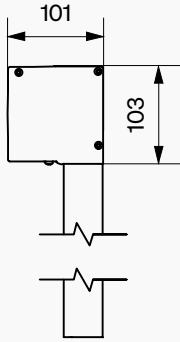
BASIC TECHNICAL PARAMETERS

Control	motor
Width	675*–4 000 mm
Height	max. 3500 mm
Max. area of 1 zipscreen	14 m ²

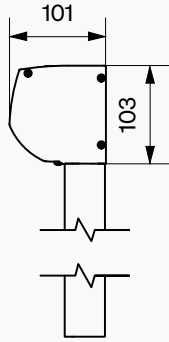
* The minimum width of the zipscreen varies depending on the motor type.

SHAPES OF BOXES

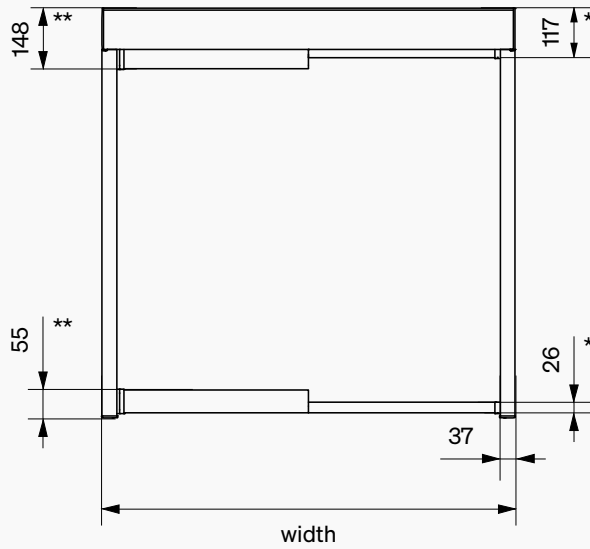
Square



Half-rounded



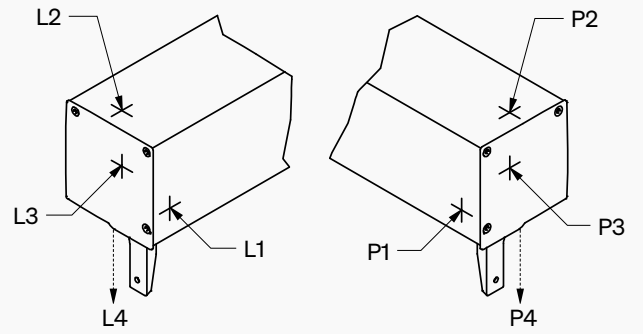
FRONT VIEW



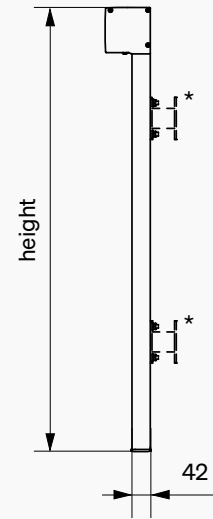
* Bottom bar small

** Bottom bar large

CABLE OUTLET OPTIONS



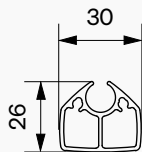
SIDE VIEW



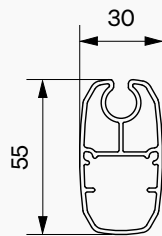
* Option

BOTTOM BARS

Small



Large



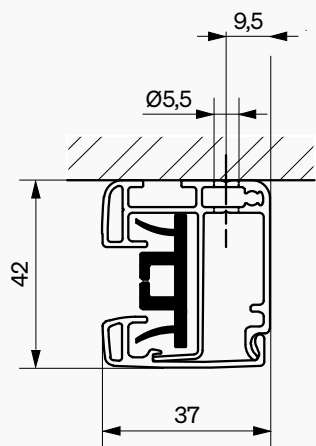
HEIGHT ZIP100

WIDTH ZIP100

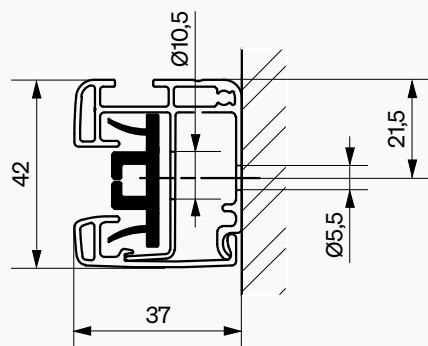
mm	≤ 1000	1001-2200	2201-3200	3201-4000
≤ 1500	small	small	small	small
1501-2500	large	small	small	large
2501-3500	large	large	large	large

TYPES OF GUIDING RAILS

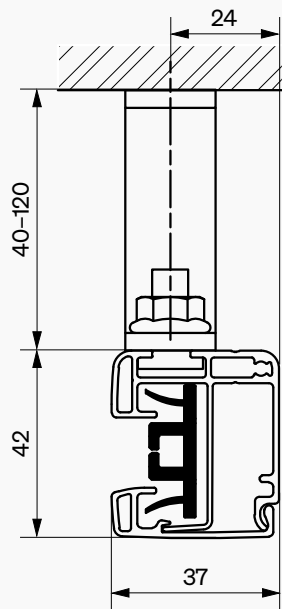
Guiding rail SNP – wallface installation



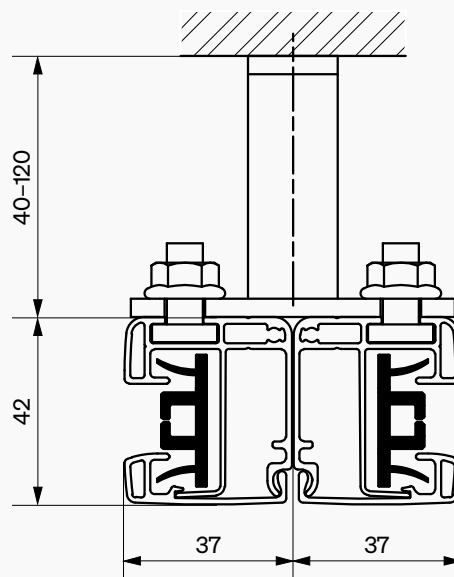
Guiding rail SNP – window side installation



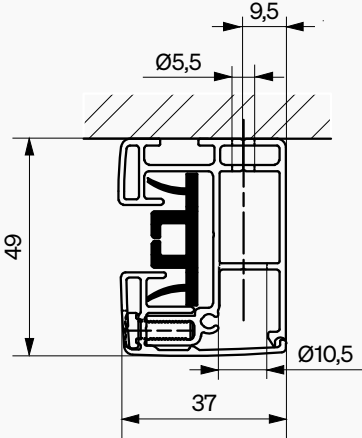
Guiding rail SNP – holder SV



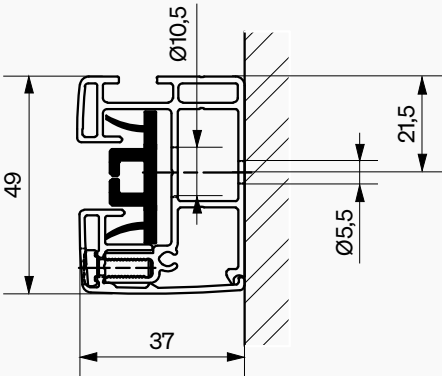
Guiding rail SNP – holder SV double



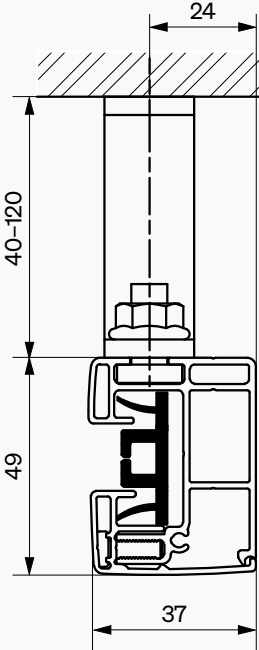
Guiding rail SCR – wallface installation



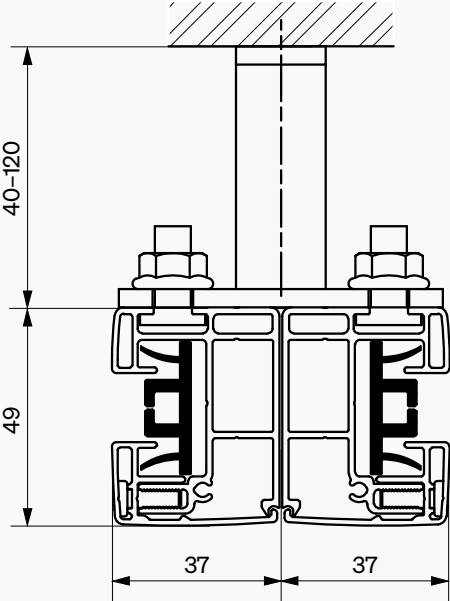
Guiding rail SCR – window side installation



Guiding rail SCR – holder SV

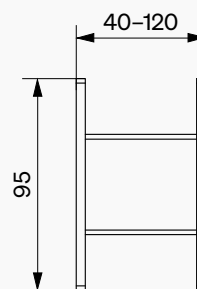
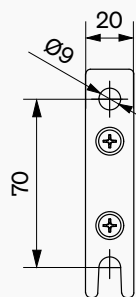
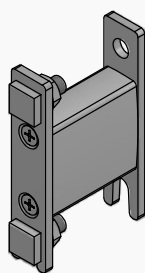


Guiding rail SCR – holder SV double

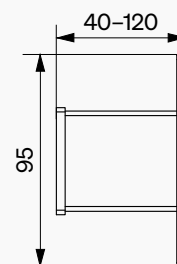
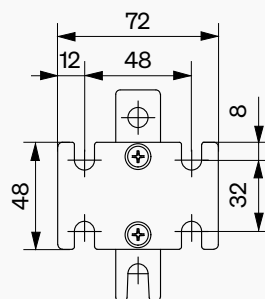
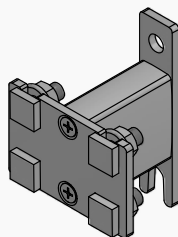


TYPES OF GUIDING RAIL HOLDERS

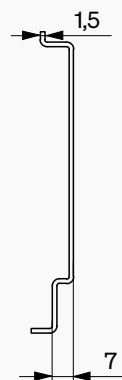
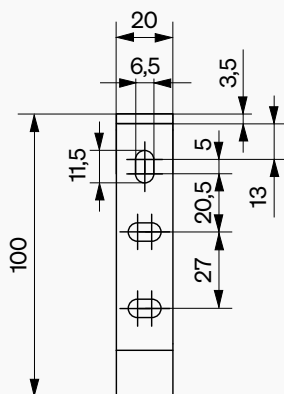
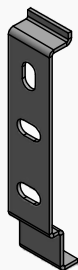
Holder SV



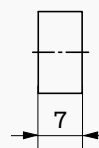
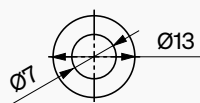
Holder SV double



BOX HOLDER



DISTANCE WASHER



ZIPSCREEN WIND RESISTANCE WHEN USING GUIDING RAIL HOLDERS

Holder distance	Wind resistance class 6	Wind resistance class 3
40 mm	max. 75 cm between holders max. 9 m ² fabric area	max. 75 cm between holders
80 mm	max. 75 cm between holders max. 9 m ² fabric area	max. 75 cm between holders
up to 120 mm	max. 75 cm between holders max. 3 m ² fabric area	max. 75 cm between holders max. 9 m ² fabric area

WIND RESISTANCE – ON THE WALL/TO WINDOW SIDE INSTALLATION

mm	WIDTH										
	≤ 2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
≤ 1600	6	6	6	6	6	6	6	6	6	6	6
1800	6	6	6	6	6	6	6	6	6	6	6
2000	6	6	6	6	6	6	6	6	6	6	6
2200	6	6	6	6	6	6	6	6	6	6	6
2400	6	6	6	6	6	6	6	6	6	6	6
2600	6	6	6	6	6	6	6	6	6	6	6
2800	6	6	6	6	6	6	3	3	3	3	3
3000	6	6	6	6	6	6	3	3	3	3	3
3200	6	6	6	6	6	6	3	3	3	3	3
3400	6	6	6	6	6	6	3	3	3	3	3
3500	6	6	6	6	6	6	3	3	3	3	3

○ Class 6 EN 13561

● Class 3 EN 13561

FABRICS

SERGÉ

3%

YARN

Technical specifications	Average Values	Standard
Titer	165 tex	ISO 1889 (2009)
Weighted composition	fiberglass 41,5%, PVC 58,5%	ISO 3801 (1977)
Diameter	0,38 mm	
Environment		Oekotex standard 100

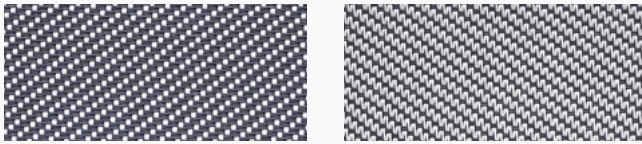
FABRIC

Type of fabric	PVC coated fiberglass
Weave pattern	Twill weave

Technical specifications	Average Values	Standard
Widths	0,80 mm	ISO/DIS 5084.2 (1996)
Roll length	544 g/m ²	ISO 3801 (1977)
Fire resistance	M1	NF P92-503 (1995)
	FR	NFPA 701 (2010)
	B1	DIN 4102 (1998)
	C-s3, d0	EN 13501-1 (2010)
Breaking strenght	warp 310 daN, weft 230 daN	ISO 13934-1 (1999)
Elongation at break	warp 3,8%, weft 4,2%	ISO 13934-1 (1999)
Tear resistance	warp 10 daN, weft 13 daN	ISO 4674 part 1 metoda A (2003)
Acoustics	aw: 0,10	ISO 354:2003
Colorfastness (white excluded)	7 scale of blue	ISO 105 B02 (1994)
Air porosity	1030 l/m ² /s	ISO/DIS 9237 (1995)

All specifications are indicative only and cannot be considered binding. Colors may differ from the presented samples.

108101 GREY-WHITE A/B



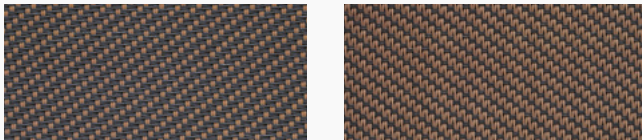
Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
A	4.4	27.2	68.4	4.4	1.8	2.6	3	3.5
B	4.4	38.9	56.7	4.4	1.8	2.6	3	3.5

gtot

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
A Values	0.18	0.56	0.14	0.56	0.09	0.48	0.08	0.28
A Classes	2	0	3	0	4	1	4	2
B Values	0.16	0.49	0.12	0.5	0.08	0.44	0.07	0.27
B Classes	2	1	3	1	4	1	4	2

108112 GREY-SAND A/B



Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
A	4.4	21.6	74	4.2	1	3.2	3.6	3.3
B	4.4	27.2	68.4	4.2	1	3.2	3.6	3.3

gtot

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
A Values	0.2	0.59	0.15	0.59	0.09	0.5	0.08	0.29
A Classes	2	0	2	0	4	1	4	2
B Values	0.18	0.56	0.14	0.56	0.09	0.48	0.08	0.28
B Classes	2	0	3	0	4	1	4	2

108108 GREY



Solar Heat and Light Control Properties

	Ts	Rs	As	TV	TVdiff	TVdir	Tuv	TVdif-h
	5.1	14.2	80.7	4.9	0.5	4.4	4.8	3.7

gtot

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
Values	0.22	0.64	0.17	0.62	0.1	0.52	0.09	0.3
Classes	2	0	2	0	3	0	4	2

108118 GREY-BLACK A/B



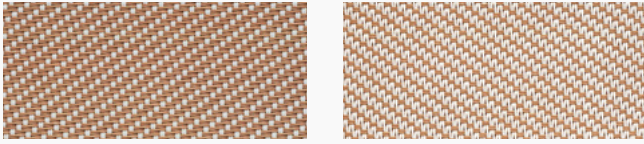
Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
A	3.7	12.7	83.6	3.7	0.4	3.2	3.6	2.7
B	3.7	9.6	86.7	3.7	0.4	3.2	3.6	2.7

gtot

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
A Values	0.21	0.64	0.16	0.63	0.1	0.53	0.09	0.3
A Classes	2	0	2	0	3	0	4	2
B Values	0.22	0.66	0.17	0.65	0.1	0.54	0.09	0.3
B Classes	2	0	2	0	3	0	4	2

112101 SAND-WHITE A/B



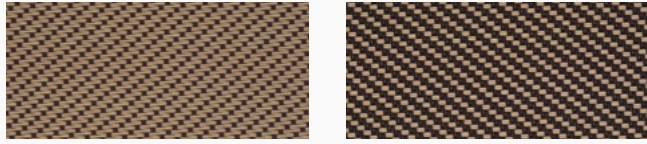
Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
A	12.2	44.8	43	10.6	6	4.6	5.1	8.7
B	12.2	50.6	37.2	10.6	6	4.6	5.1	8.7

g_{tot}

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
A Values	0.2	0.47	0.17	0.47	0.12	0.42	0.09	0.27
A Classes	2	1	2	1	3	1	4	2
B Values	0.19	0.43	0.16	0.44	0.11	0.41	0.08	0.26
B Classes	2	1	2	1	3	1	4	2

112113 SAND-BRONZE A/B



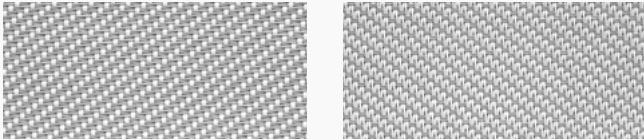
Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
A	4.2	28.5	67.3	3.7	1.3	2.4	2.7	2.9
B	4.2	20.3	75.5	3.7	1.3	2.4	2.7	2.9

g_{tot}

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
A Values	0.18	0.55	0.14	0.55	0.09	0.48	0.07	0.28
A Classes	2	0	3	0	4	1	4	2
B Values	0.2	0.6	0.15	0.59	0.09	0.5	0.08	0.29
B Classes	2	0	2	0	4	0	4	2

117101 PEARL-WHITE A/B



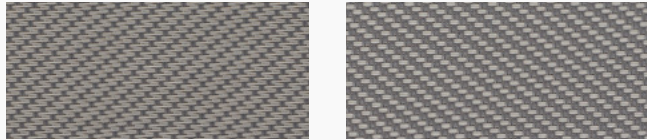
Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
A	7.2	46.9	45.9	5.8	3.3	2.4	2.8	4.7
B	7.2	53.5	39.3	5.8	3.3	2.4	2.8	4.7

g_{tot}

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
A Values	0.16	0.45	0.13	0.46	0.09	0.42	0.07	0.27
A Classes	2	1	3	1	4	1	4	2
B Values	0.15	0.41	0.12	0.42	0.08	0.39	0.06	0.26
B Classes	3	1	3	1	4	1	4	2

117108 PEARL-GREY A/B



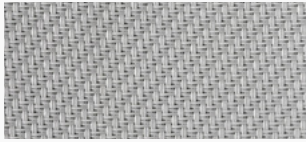
Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
A	11	29.8	59.2	9.1	4.3	4.8	5.4	7.4
B	11	25.5	63.6	9.1	4.3	4.8	5.4	7.4

g_{tot}

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
A Values	0.23	0.55	0.18	0.55	0.12	0.47	0.1	0.28
A Classes	2	0	2	0	3	1	4	2
B Values	0.23	0.58	0.19	0.57	0.13	0.49	0.1	0.29
B Classes	2	0	2	0	3	1	3	2

117117 PEARL



Solar Heat and Light Control Properties

Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
7.7	39.7	52.6	6	2.6	3.4	3.8	4.8

gtot

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
Values	0.18	0.49	0.15	0.5	0.1	0.44	0.08	0.27
Classes	2	1	3	1	4	1	4	2

118113 BLACK-BRONZE A/B



Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
A	6.0	5.8	88.2	5.8	0.5	5.3	5.8	4.4
B	6.0	6.2	87.9	5.8	0.5	5.3	5.8	4.4

gtot

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
A Values	0.24	0.69	0.19	0.67	0.12	0.55	0.1	0.3
A Classes	2	0	2	0	3	0	3	2
B Values	0.24	0.68	0.19	0.67	0.12	0.55	0.1	0.3
B Classes	2	0	2	0	3	0	3	2

118118 BLACK



Solar Heat and Light Control Properties

Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
2.6	5.2	92.2	2.6	0.3	2.3	2.6	2

gtot

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
Values	0.22	0.69	0.16	0.67	0.1	0.55	0.09	0.3
Classes	2	0	2	0	3	0	4	2

Annotation

A	Front side
B	Back side
Ts	Solar transmittance %
Rs	Solar reflectance %
As	Solar absorptance %
Tv	Light transmittance %
TVdiff	Diffused part of the light transmittance %
TVdir	Direct part of the light transmittance %
Tuv	UV transmittance %
TVdif-h	Diffuse hemispherical transmittance
Glazing A	Clear simple glazing
Glazing B	Clear double glazing
Glazing C	Argon filled double glazing
Glazing D	Reflective double glazing with argon

SOLTIS PERFORM 92

Technical specifications	Average Values	Standard
Aperture factor	4%	
Mass	420 g/m ²	EN ISO 2286-2
Thickness	0,45 mm	
Composition	polyester 43%, PVC 57%	
Physical properties		
Tensile strength (warp / weft)	310/210 daN/5 cm	EN ISO 1421
Tear strength (warp / weft)	45/20 daN	DIN 53.363
Fire resistance		
Evaluation	B1/DIN 4102-1 - BS 7837 - BS 5867 - Schwerbrennbar-Q1-Tr1/ONORM A 3800-1 Class 1/ UNI 9177-87 - M1/UNE 23,727-90 - VKF 5,2/SN 198898 - 1530,3/AS/NZS G1/GOST 30244-94 - Method 1/NFPA 701 - CSFMT19 - Class A/ASTM E84	
Euroclass	B-s2,d0	EN 13501-1
Control systems		
Quality		ISO 9001

All specifications are indicative only and cannot be considered binding. Colors may differ from the presented samples.

92-2044 WHITE



Solar Heat and Light Control Properties

Ts	Rs	As	TV n-h
19	68	13	17

gtot

	gtot*	gtot [†]
Glazing C	0.14	0.35
Glazing D	0.17	0.11

92-2171 BOULDER



Solar Heat and Light Control Properties

Ts	Rs	As	TV n-h
8	41	51	6

gtot

	gtot*	gtot [†]
Glazing C	0.10	0.44
Glazing D	0.04	0.20

92-2047 ANTHRACITE



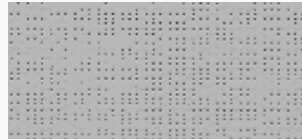
Solar Heat and Light Control Properties

Ts	Rs	As	TV n-h
5	8	87	5

gtot

	gtot*	gtot [†]
Glazing C	0.11	0.54
Glazing D	0.04	0.28

92-2048 ALU/ALU



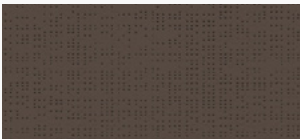
Solar Heat and Light Control Properties

Ts	Rs	As	TV n-h
8	46	46	8

gtot

	gtot*	gtot [†]
Glazing C	0.09	0.42
Glazing D	0.04	0.18

92-2043 BRONZE



Solar Heat and Light Control Properties

Ts	Rs	As	TV n-h
4	13	83	4

gtot

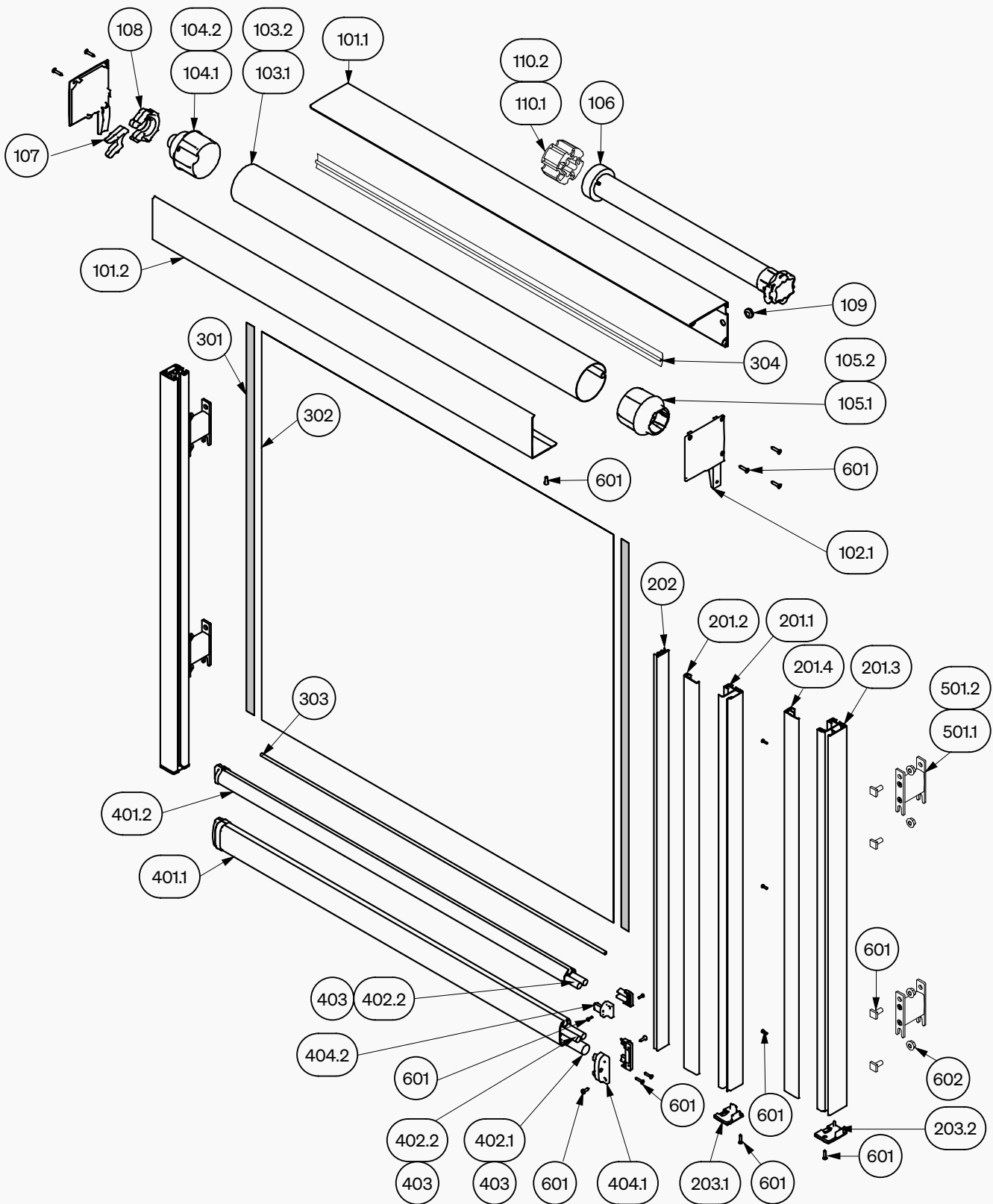
	gtot*	gtot [†]
Glazing C	0.10	0.53
Glazing D	0.04	0.28

Annotation

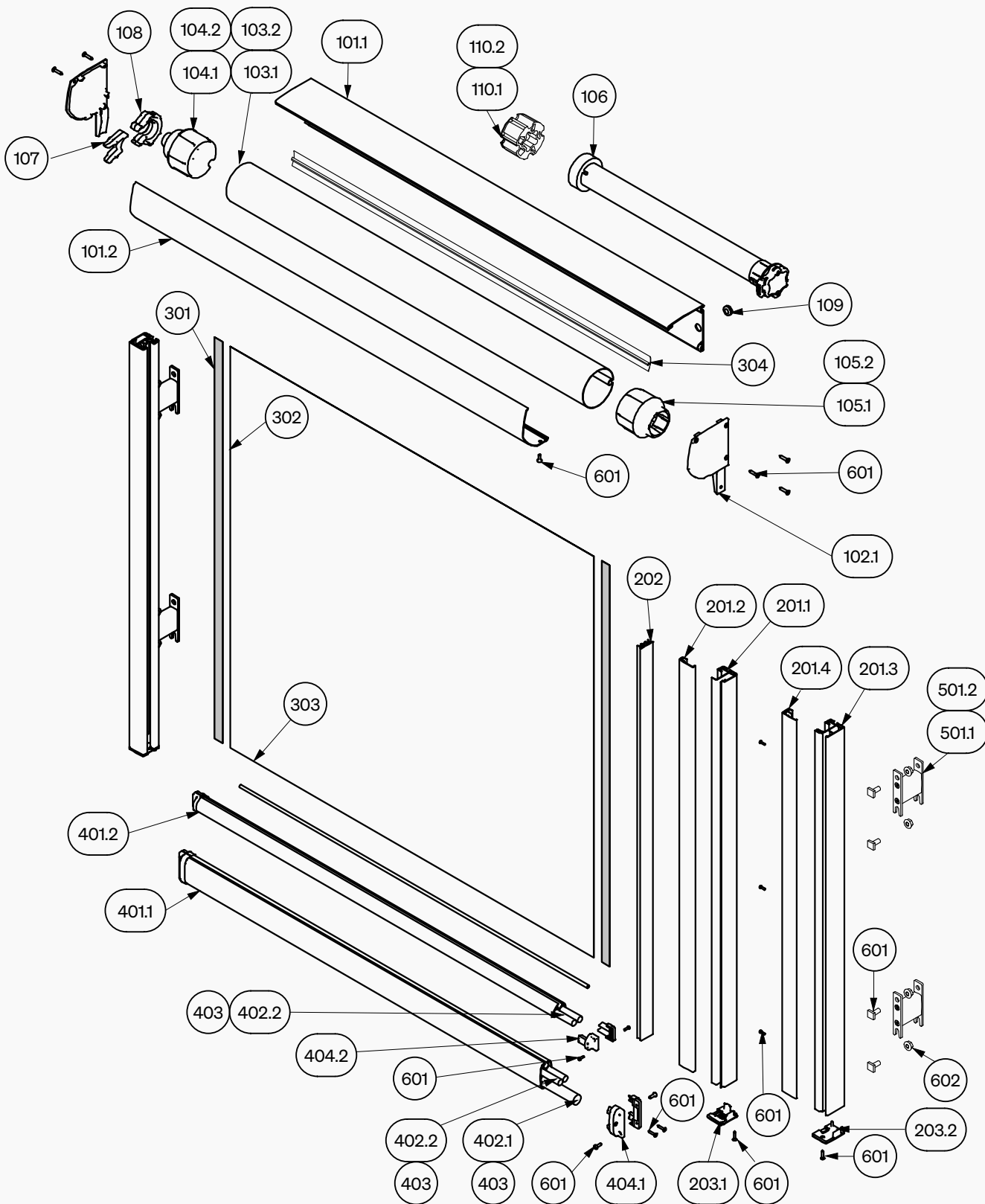
Ts	Solar transmittance %
Rs	Solar reflectance %
As	Solar absorptance %
TV n-h	Normal hemispherical transmittance of visible light %
gtot*	External solar factor
gtot[†]	Internal solar factor
Glazing C	Argon filled double glazing
Glazing D	Reflective double glazing with argon

COMPON

ENTS



Identification	Description
101.1	Box 100, back side squared
101.2	Box 100, front side squared
102.1	Side 100, squared
103.1	Roller tube Ø 70 mm
103.2	Roller tube Ø 78 mm
104.1	Tubebushing Ø 70 mm
104.2	Tubebushing Ø 78 mm
105.1	Motor bushing Ø 70 mm
105.2	Motor bushing Ø 78 mm
106	Motor
107	Locking clip 100/135
108	Bearing bracket 100/135
109	Cable passage
110.1	Carrier Ø 70 mm
110.2	Carrier Ø 78 mm
201.1	Guiding rail type SNP, back part
201.2	Guiding rail type SNP, front part
201.3	Guiding rail type SCR, back part
201.4	Guiding rail type SCR, front part
202	Plastic ZIP inlay
203.1	Endcap guiderail type SNP, black
203.2	Endcap guiderail type SCR, black
301	Zip 17 mm, gray
302	Fabric
303	Locking profile PVC Ø 6 mm
304	Fastfix profile
401.1	Bottom bar large 30×55 mm
401.2	Bottom bar small 30×26 mm
402.1	Weight Ø 20 mm
402.2	Weight Ø 12 mm
403	Tube PVC-U Ø 12×1
404.1	Endcap for large bottom bar ZIP, black
404.2	Endcap for small bottom bar ZIP, black
501.1	Guiding rail holder SV
501.2	Guiding rail holder SV double
601-602	Connecting material



Identification	Description
101.3	Box 100, back part half-rounded
101.4	Box 100, front part half-rounded
102.2	Side 100, half-rounded
103.1	Roller tube Ø 70 mm
103.2	Roller tube Ø 78 mm
104.1	Tubebushing Ø 70 mm
104.2	Tubebushing Ø 78 mm
105.1	Motor bushing Ø 70 mm
105.2	Motor bushing Ø 78 mm
106	Motor
107	Locking clip 100/135
108	Bearing bracket 100/135
109	Cable passage
110.1	Carrier Ø 70 mm
110.2	Carrier Ø 78 mm
201.1	Guiding rail type SNP, back part
201.2	Guiding rail type SNP, front part
201.3	Guiding rail type SCR, back part
201.4	Guiding rail type SCR, front part
202	Plastic ZIP inlay
203.1	Endcap guiderail type SNP, black
203.2	Endcap guiderail type SCR, black
301	Zip 17 mm, gray
302	Fabric
303	Locking profile PVC Ø 6 mm
304	Fastfix profile
401.1	Bottom bar large 30×55 mm
401.2	Bottom bar small 30×26 mm
402.1	Weight Ø 20 mm
402.2	Weight Ø 12 mm
403	Tube PVC-U Ø 12×1
404.1	Endcap for large bottom bar ZIP, black
404.2	Endcap for small bottom bar ZIP, black
501.1	Guiding rail holder SV
501.2	Guiding rail holder SV double
601-602	Connecting material

ŽALUZIE NEVA s.r.o.
Háj 370, 798 12 Kralice na Hané
Česká republika

+420 588 003 550
info@neva.eu
neva.eu