

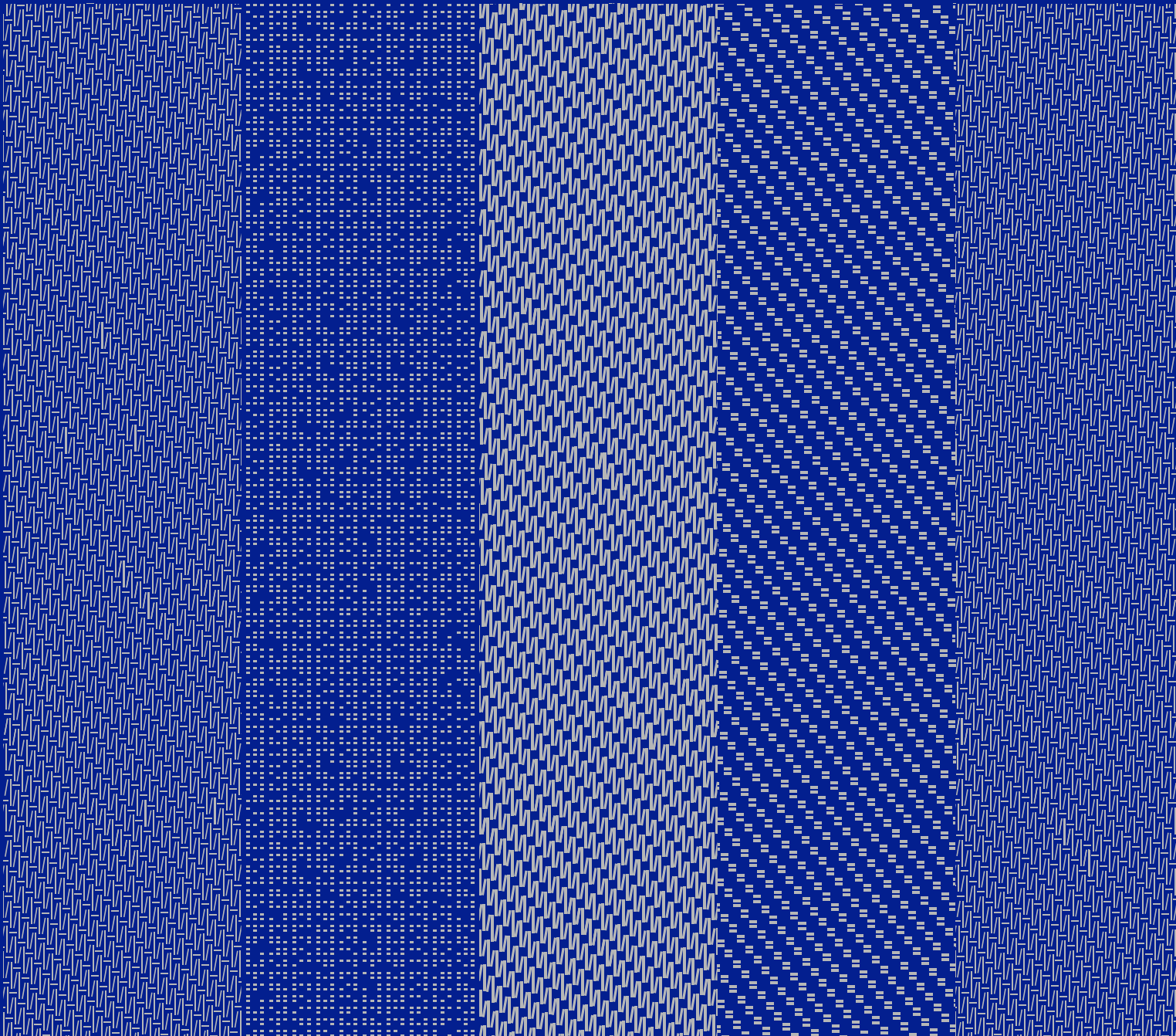
# TECHNICAL SHEET

NEVA®

ZIPSCREEN

# ZIP135

2021





# CONTENTS

## ZIP135

Basic technical parameters	4
Standard design	4
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Wind resistance – on the wall/to window side installation	9

## FABRICS

Sergé 3%	12
Soltis Perform 92	16

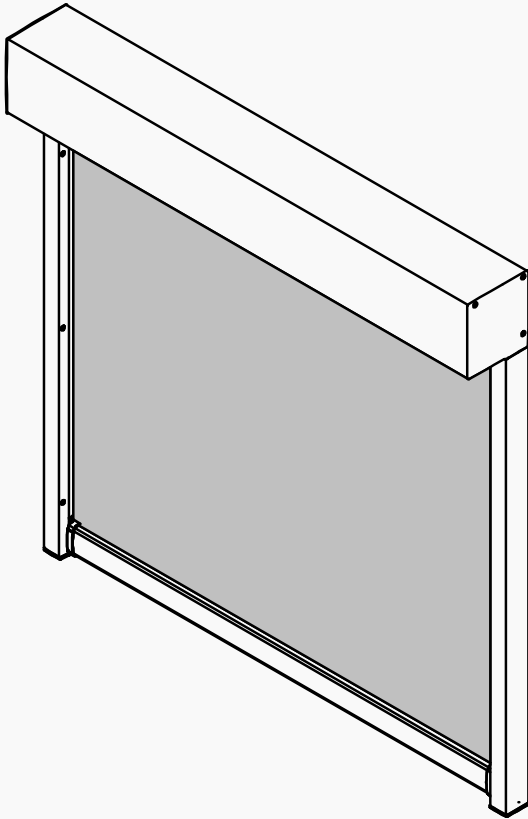
## COMPONENTS

ZIP135 – square version	20
ZIP135 – half-rounded version	22

# TECHNIC INFO

# AL

# ZIP135



## 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 mm
- extruded aluminium, Ø 100 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 SCR-screw-fasting
- 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 bar

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

### Connecting material

- stainless steel (A2)

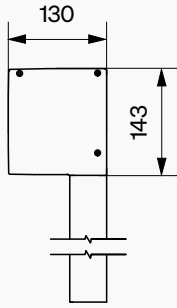
## BASIC TECHNICAL PARAMETERS

<b>Control</b>	motor
<b>Width</b>	675*–6000 mm
<b>Height</b>	max. 6000 mm
<b>Max. area of 1 zipscreen</b>	see table / page 9

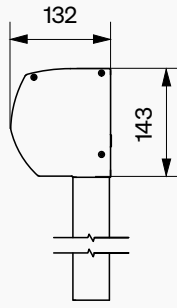
\* The minimum width of the zipscreen varies depending on the motor type.

## SHAPES OF BOXES

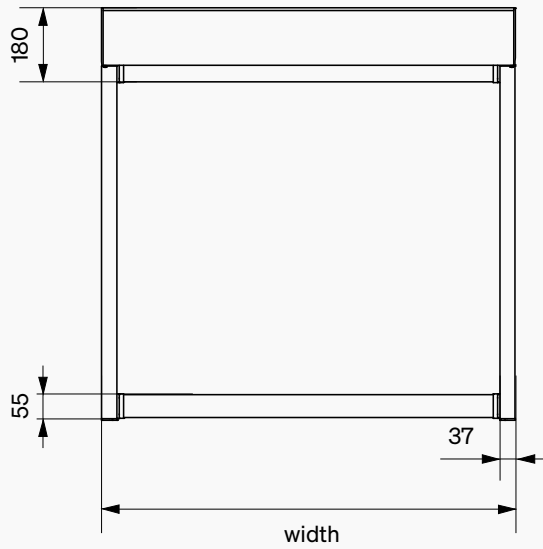
Square



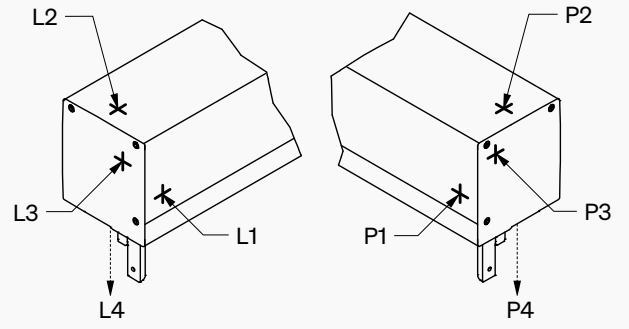
Half-rounded



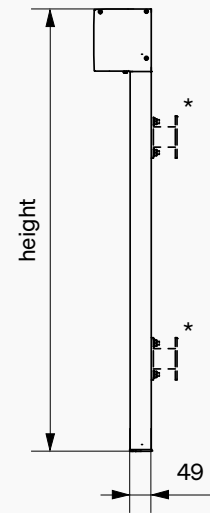
## FRONT VIEW



## CABLE OUTLET OPTIONS



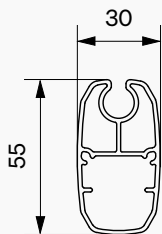
## SIDE VIEW



\* Option

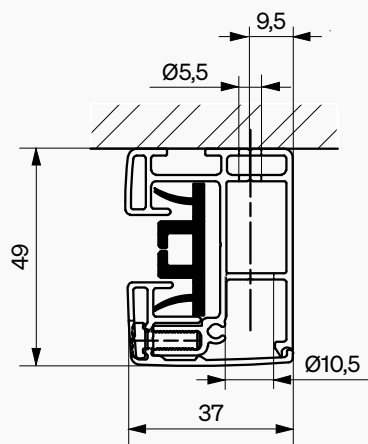
## BOTTOM BAR

Large

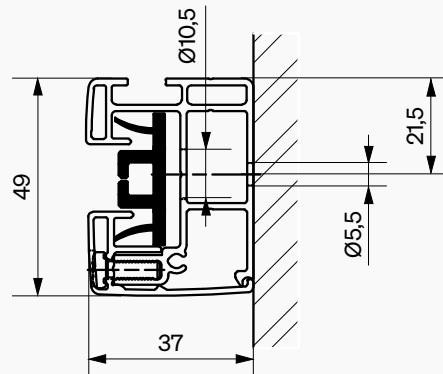


## TYPES OF GUIDING RAILS

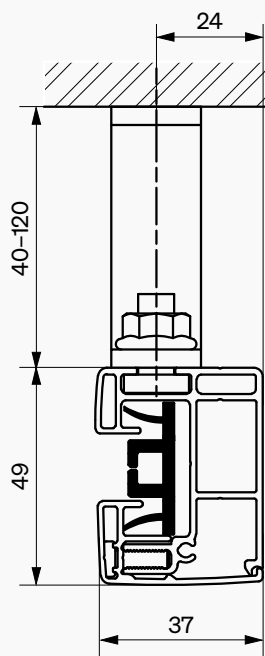
Guiding rail SCR – wallface installation



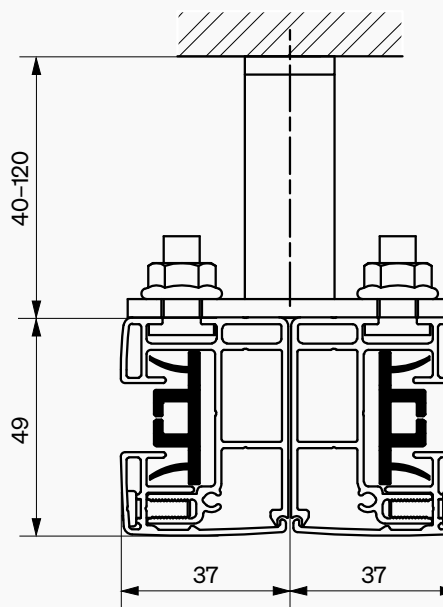
Guiding rail SCR – window-side installation



Guiding rail SCR – holder SV



Guiding rail SCR – holder SV double

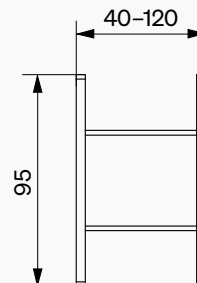
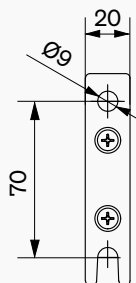
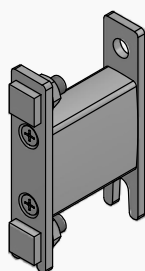




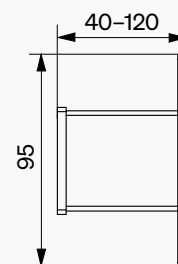
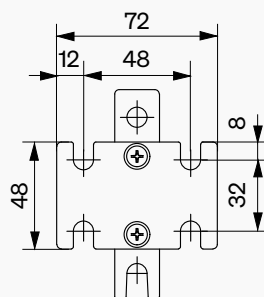
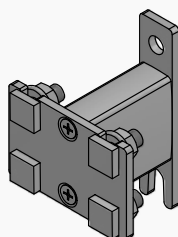


## TYPES OF GUIDING RAIL HOLDERS

Holder SV



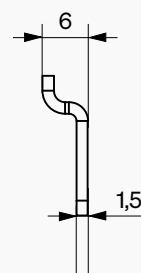
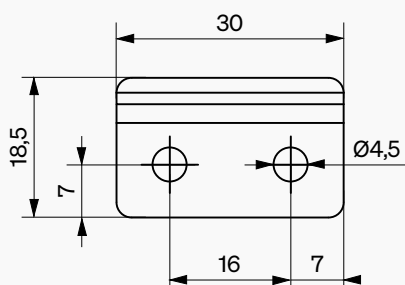
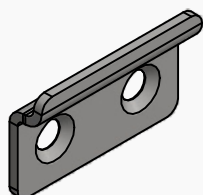
Holder SV double



## 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 <sup>2</sup> fabric area	max. 75 cm between holders
80 mm	max. 75 cm between holders max. 9 m <sup>2</sup> fabric area	max. 75 cm between holders
up to 120 mm	max. 75 cm between holders max. 3 m <sup>2</sup> fabric area	max. 75 cm between holders max. 9 m <sup>2</sup> fabric area

## BOX SUPPORT



**WIND RESISTANCE – ON THE WALL/TO WINDOWSIDE INSTALLATION**

		WIDTH																					
mm		≤ 2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	
HEIGHT	≤1600	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	1800	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	3	3	
	2000	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	3	3	
	2200	6	6	6	6	6	6	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3
	2400	6	6	6	6	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3
	2600	6	6	6	6	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3
	2800	6	6	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	3
	3000	6	6	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	3
	3200	6	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	—	—
	3400	6	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	—	—	—
	3600	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	—	—	—
	3800	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	—	—	—	—
	4000	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	—	—	—	—
	4200	6	6	6	6	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—
	4400	6	6	6	6	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—
	4600	6	6	6	3	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—
	4800	6	6	6	3	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—
	5000	6	6	6	3	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—
	5200	6	6	3	3	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—
	5400	6	6	3	3	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—
5600	6	3	3	3	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—	
5800	6	3	3	3	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—	
6000	6	3	3	3	3	3	3	3	3	3	3	—	—	—	—	—	—	—	—	—	—	—	

○ ● Class 6 EN 13561

● ● Class 3 EN 13561

— Beyond our recommendations

Zipscreen wind resistance when using guiding rail holders / page 8

# 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

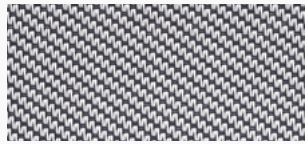
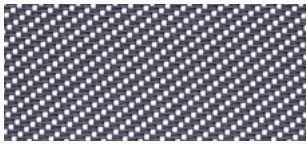
### FABRIC

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 <sup>2</sup>	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 <sup>2</sup> /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**



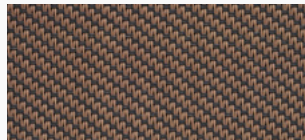
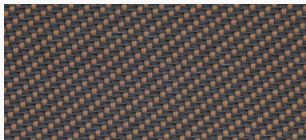
Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
<b>A</b>	4.4	27.2	68.4	4.4	1.8	2.6	3	3.5
<b>B</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.
<b>A Values</b>	0.18	0.56	0.14	0.56	0.09	0.48	0.08	0.28
<b>A Classes</b>	2	0	3	0	4	1	4	2
<b>B Values</b>	0.16	0.49	0.12	0.5	0.08	0.44	0.07	0.27
<b>B Classes</b>	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
<b>A</b>	4.4	21.6	74	4.2	1	3.2	3.6	3.3
<b>B</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.
<b>A Values</b>	0.2	0.59	0.15	0.59	0.09	0.5	0.08	0.29
<b>A Classes</b>	2	0	2	0	4	1	4	2
<b>B Values</b>	0.18	0.56	0.14	0.56	0.09	0.48	0.08	0.28
<b>B Classes</b>	2	0	3	0	4	1	4	2

**108108 GREY**



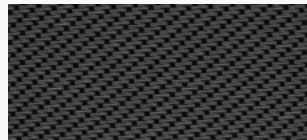
Solar Heat and Light Control Properties

	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.
<b>Values</b>	0.22	0.64	0.17	0.62	0.1	0.52	0.09	0.3
<b>Classes</b>	2	0	2	0	3	0	4	2

**108118 GREY-BLACK A/B**



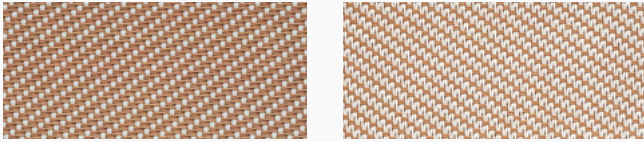
Solar Heat and Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
<b>A</b>	3.7	12.7	83.6	3.7	0.4	3.2	3.6	2.7
<b>B</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.
<b>A Values</b>	0.21	0.64	0.16	0.63	0.1	0.53	0.09	0.3
<b>A Classes</b>	2	0	2	0	3	0	4	2
<b>B Values</b>	0.22	0.66	0.17	0.65	0.1	0.54	0.09	0.3
<b>B Classes</b>	2	0	2	0	3	0	4	2

**112101 SAND-WHITE A/B**



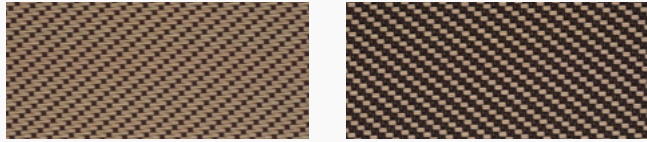
Solar Heat and Light Control Properties

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

g<sub>tot</sub>

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

**112113 SAND-BRONZE A/B**



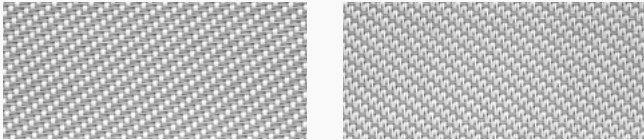
Solar Heat and Light Control Properties

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

g<sub>tot</sub>

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

**117101 PEARL-WHITE A/B**



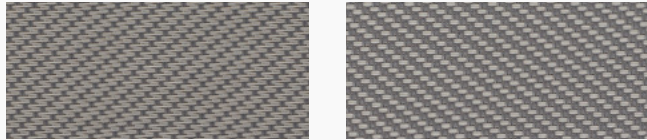
Solar Heat and Light Control Properties

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

g<sub>tot</sub>

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

**117108 PEARL-GREY A/B**



Solar Heat and Light Control Properties

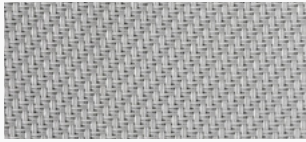
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h
<b>A</b>	11	29.8	59.2	9.1	4.3	4.8	5.4	7.4
<b>B</b>	11	25.5	63.6	9.1	4.3	4.8	5.4	7.4

g<sub>tot</sub>

	A		B		C		D	
	ext.	int.	ext.	int.	ext.	int.	ext.	int.
<b>A Values</b>	0.23	0.55	0.18	0.55	0.12	0.47	0.1	0.28
<b>A Classes</b>	2	0	2	0	3	1	4	2
<b>B Values</b>	0.23	0.58	0.19	0.57	0.13	0.49	0.1	0.29
<b>B Classes</b>	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.
<b>Values</b>	0.18	0.49	0.15	0.5	0.1	0.44	0.08	0.27
<b>Classes</b>	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
<b>A</b>	6.0	5.8	88.2	5.8	0.5	5.3	5.8	4.4
<b>B</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.
<b>A Values</b>	0.24	0.69	0.19	0.67	0.12	0.55	0.1	0.3
<b>A Classes</b>	2	0	2	0	3	0	3	2
<b>B Values</b>	0.24	0.68	0.19	0.67	0.12	0.55	0.1	0.3
<b>B Classes</b>	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.
<b>Values</b>	0.22	0.69	0.16	0.67	0.1	0.55	0.09	0.3
<b>Classes</b>	2	0	2	0	3	0	4	2

#### Annotation

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

# SOLTIS PERFORM 92

Technical specifications	Average Values	Standard
Aperture factor	4%	
Mass	420 g/m <sup>2</sup>	EN ISO 2286-2
Thickness	0,45 mm	
Composition	polyester 43%, PVC 57%	
<b>Physical properties</b>		
Tensile strength (warp/weft)	310/210 daN/5 cm	EN ISO 1421
Tear strength (warp/weft)	45/20 daN	DIN 53.363
<b>Fire resistance</b>		
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
<b>Control systems</b>		
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 <sup>†</sup>
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 <sup>†</sup>
Glazing C	0.10	0.44
Glazing D	0.04	0.20

### 92-2047 ANTHRACITE



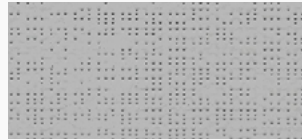
#### Solar Heat and Light Control Properties

Ts	Rs	As	TV n-h
5	8	87	5

#### gtot

	gtot*	gtot <sup>†</sup>
Glazing C	0.11	0.54
Glazing D	0.04	0.28

### 92-2048 ALU/ALU



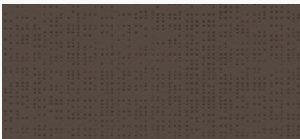
#### Solar Heat and Light Control Properties

Ts	Rs	As	TV n-h
8	46	46	8

#### gtot

	gtot*	gtot <sup>†</sup>
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

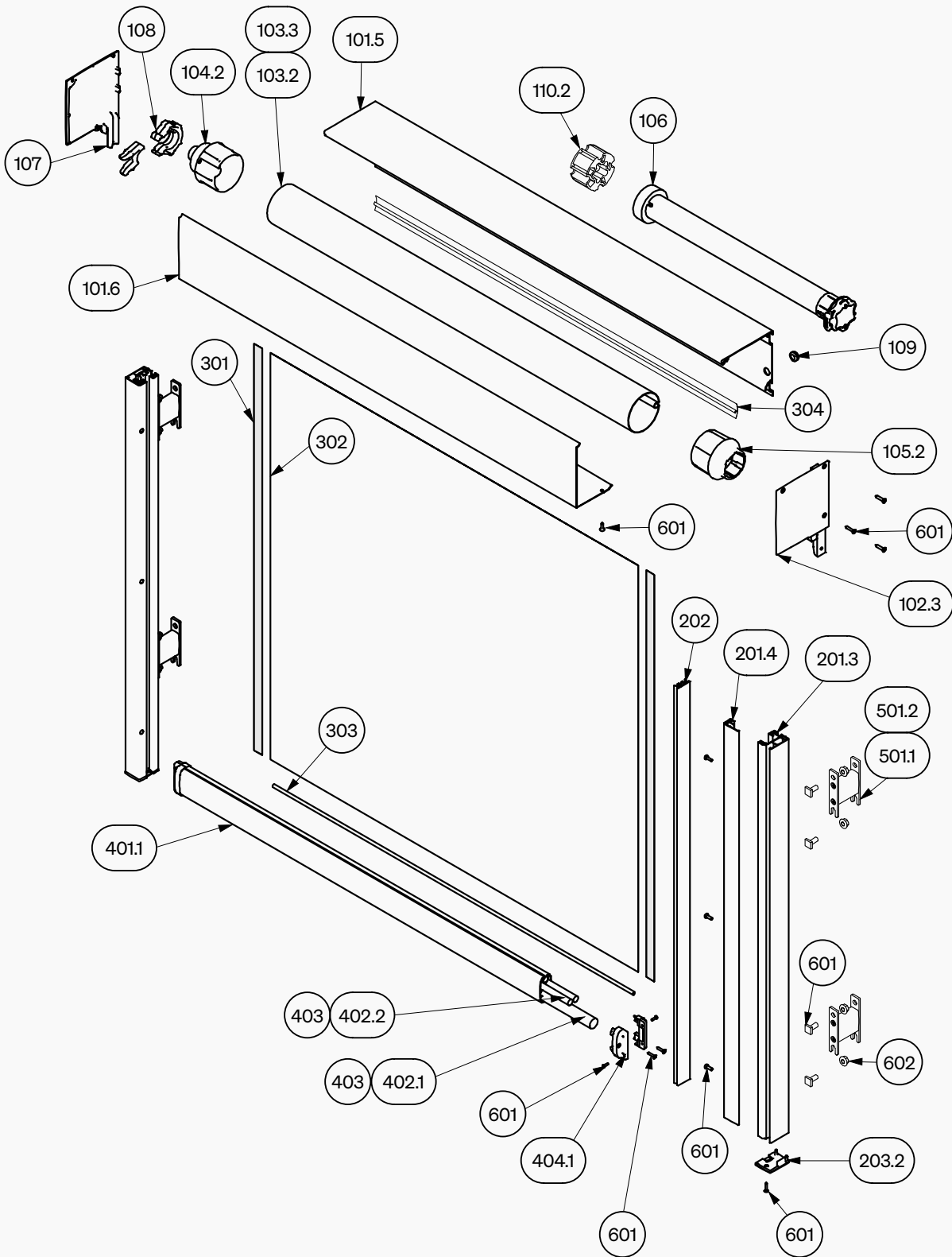
	gtot*	gtot <sup>†</sup>
Glazing C	0.10	0.53
Glazing D	0.04	0.28

#### Annotation

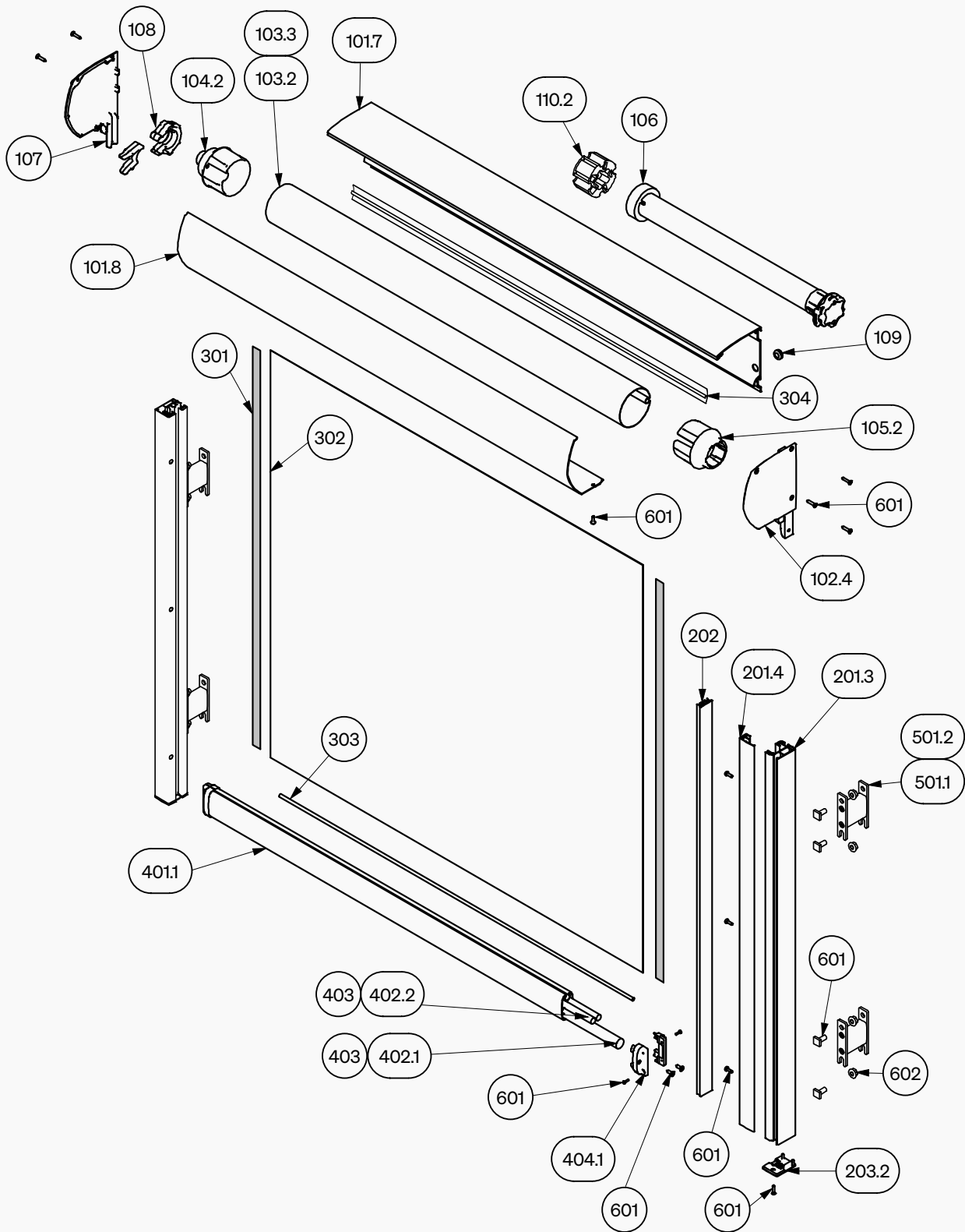
<b>Ts</b>	Solar transmittance %
<b>Rs</b>	Solar reflectance %
<b>As</b>	Solar absorptance %
<b>TV n-h</b>	Normal hemispherical transmittance of visible light %
<b>gtot*</b>	External solar factor
<b>gtot<sup>†</sup></b>	Internal solar factor
<b>Glazing C</b>	Argon filled double glazing
<b>Glazing D</b>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

# COMPON

# ENTS



<b>Identification</b>	<b>Description</b>
101.5	Box 135, back side squared
101.6	Box 135, front side squared
102.3	Side 135, squared
103.2	Roller tube Ø 78 mm
103.3	Roller tube Ø 100 mm
104.2	Tubebushing Ø 78 mm
105.2	Motor bushing Ø 78 mm
106	Motor
107	Locking clip 100/135
108	Bearing bracket 100/135
109	Cable passage
110.2	Carrier Ø 78 mm
201.3	Guiding rail type SCR, back part
201.4	Guiding rail type SCR, front part
202	Plastic ZIP inlay
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
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
501.1	Guiding rail holder SV
501.2	Guiding rail holder SV double
601-602	Connecting material





<b>Identification</b>	<b>Description</b>
101.7	Box 135, back part half-rounded
101.8	Box 135, front part half-rounded
102.4	Side 135, half-rounded
103.2	Roller tube Ø 78 mm
103.3	Roller tube Ø 100 mm
104.2	Tubebushing Ø 78 mm
105.2	Motor bushing Ø 78 mm
106	Motor
107	Locking clip 100/135
108	Bearing bracket 100/135
109	Cable passage Ø 14 mm, gray
110.2	Carrier Ø 78 mm
201.3	Guiding rail type SCR, back part
201.4	Guiding rail type SCR, front part
202	Plastic ZIP inlay
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
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
501.1	Guiding rail holder SV
501.2	Guiding rail holder SV double
601-602	Connecting material





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