

# INSTALLATION MANUAL

## INDEPENDENT ZIP Z100


JANUARY 2024 /VERSION 012024





GLM OUTDOOR SOLUTIONS is the authorized manufacturer of the advanced shading systems (pergolas & fabrics) and fences of ALUMIL, the leading Greek company in the design and production of architectural aluminium systems. GLM has developed and continuously enriches a wide range of holistic and reliable solutions for every type of outdoor space, with composition and full customization possibilities.

Combining top quality with technological innovation and high aesthetics, GLM offers unique products that enhance and upgrade the outdoor environment, promoting a different way of life inspired by the values of natural light and outdoor living freedom and rooted in principles of sustainability.



5 — 12  
PROFILES  
& ACCESSORIES

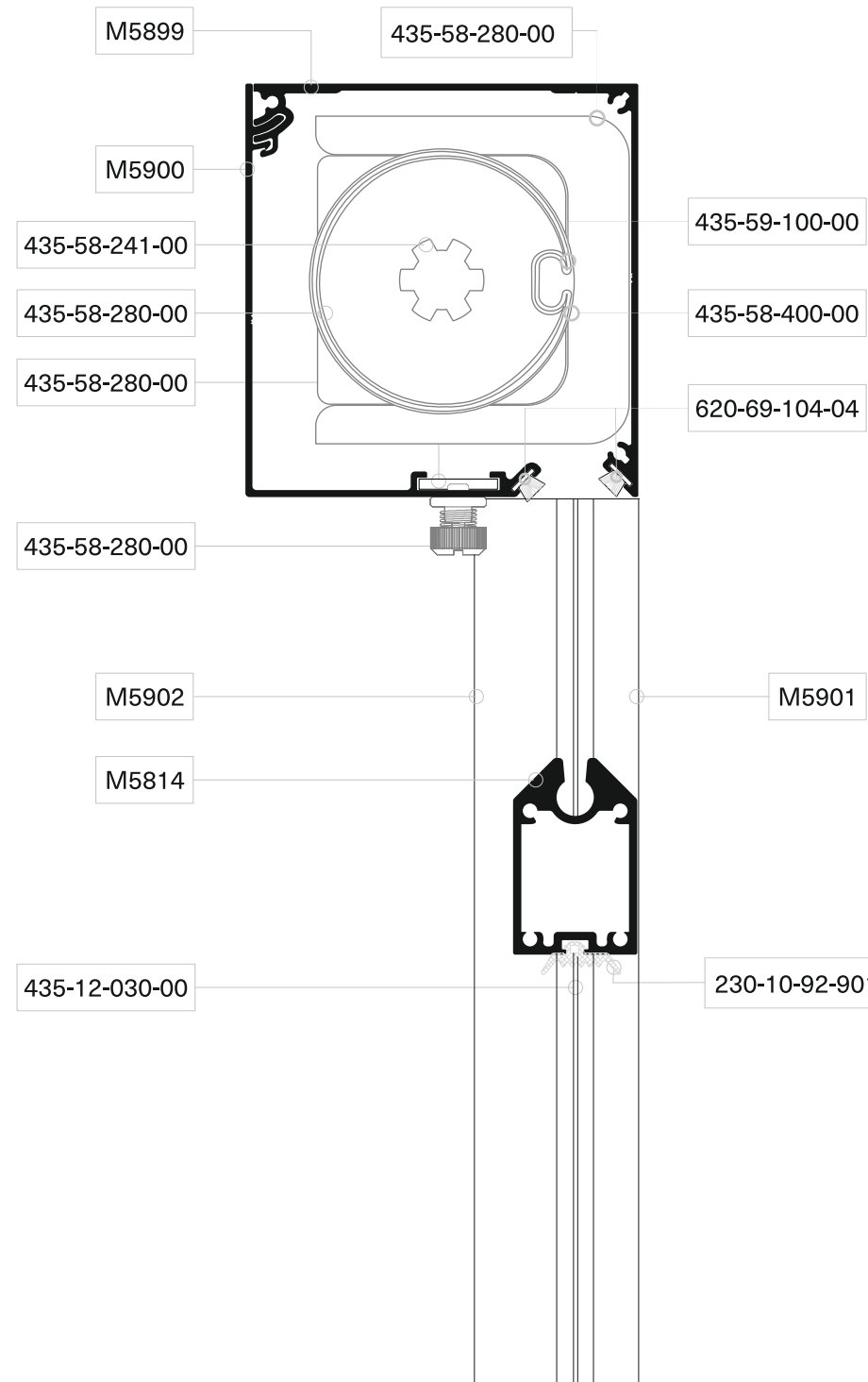
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APPENDIX

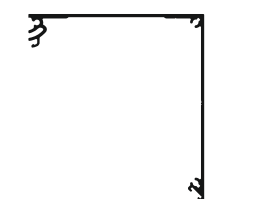
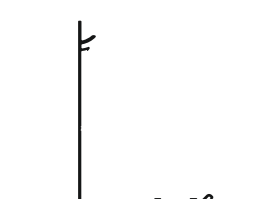
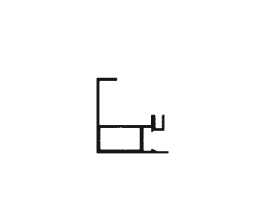
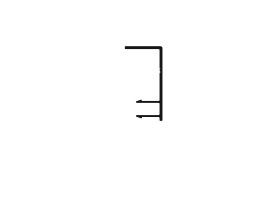
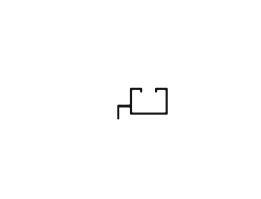
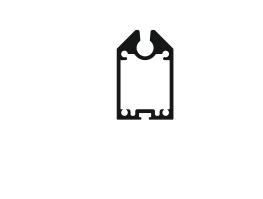


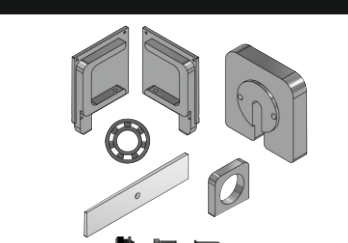
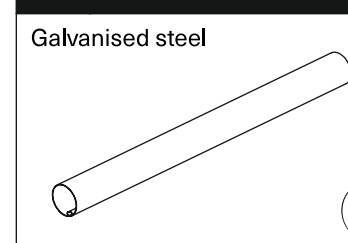
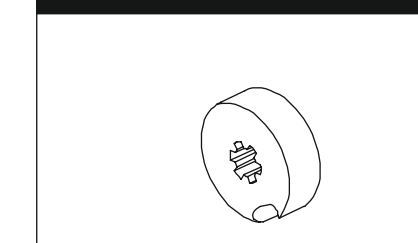
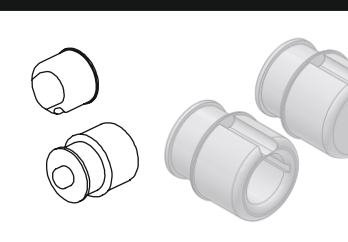
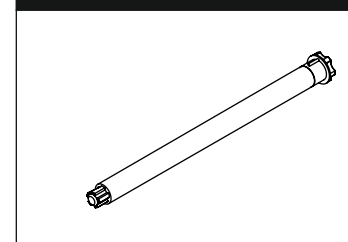

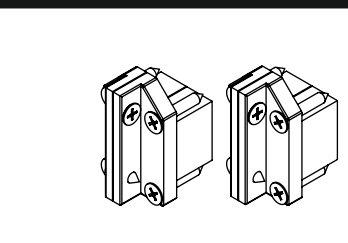

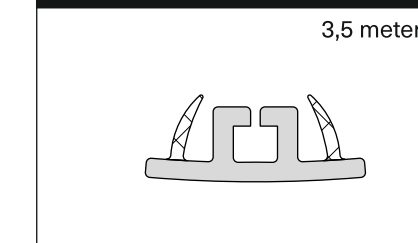
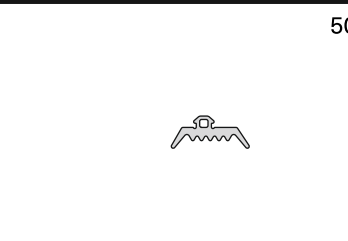
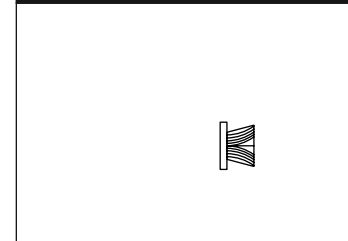
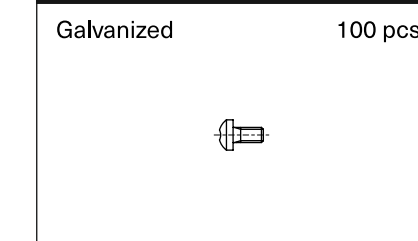
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outdoor στο glm-outdoor.com

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PROFILES  
& ACCESSORIES

<p><b>M5899</b></p>  <p>Ix (cm<sup>4</sup>): 50,59 Iy (cm<sup>4</sup>): 56,37 Outside perimeter (mm):484 Primary perimeter (mm):194,4</p>	<p><b>M5900</b></p>  <p>Ix (cm<sup>4</sup>): 40,86 Iy (cm<sup>4</sup>): 19,15 Outside perimeter (mm):401,8 Primary perimeter (mm): 168,7</p>	<p><b>M5901</b></p>  <p>Ix (cm<sup>4</sup>): 3,29 Iy (cm<sup>4</sup>): 3,72 Outside perimeter (mm):231 Primary perimeter (mm): 90,1</p>	<p><b>M5902</b></p>  <p>Ix (cm<sup>4</sup>): 2,24 Iy (cm<sup>4</sup>): 0,33 Outside perimeter (mm):167,3 Primary perimeter (mm): 61,7</p>
<p><b>M5820</b></p>  <p>Ix (cm<sup>4</sup>): 0,72 Iy (cm<sup>4</sup>): 2,15 Outside perimeter (mm):193,8 Primary perimeter (mm): 0</p>	<p><b>M5814</b></p>  <p>Ix (cm<sup>4</sup>): 11,22 Iy (cm<sup>4</sup>): 4,7 Outside perimeter (mm):181,5 Primary perimeter (mm):130,6</p>		

<p><b>435-58-280-00</b></p>  <p><b>MOUNTING SET for 100mm Independent Scr.Rollers</b></p>	<p><b>435-59-100-00</b></p> <p>Galvanised steel</p>  <p><b>D63 SHAFT</b></p>	<p><b>435-58-241-00</b></p>  <p><b>SHAFT-MOTOR WHEEL SONNESE 40</b></p>
<p><b>435-58-400-00</b></p>  <p><b>D63 SHAFT ADAPTORS Z100</b></p>	<p><b>435-03-225-00</b></p>  <p><b>SOMFY Sonesse 40 IO 6/20 VVF3M</b></p>	<p><b>435-47-330-00</b></p>  <p><b>SOMFY crown for 40x1,5mm Round tube</b></p>
<p><b>435-58-860-00</b></p>  <p><b>CAPS for M5814 profile</b></p>	<p><b>435-11-330-00</b></p>  <p><b>REMOTE WALL MOUNTED IO SWITCH 5 channels</b></p>	<p><b>435-12-030-00</b></p> <p>3,5 meters</p>  <p><b>ZIP GASKET</b></p>
<p><b>230-10-929-01</b></p> <p>50 m</p>  <p><b>ZIP GASKET</b></p>	<p><b>620-69-104-04</b></p> <p>50 m</p>  <p><b>Brush 4 mm Grey</b></p>	<p><b>798-91-204-08</b></p> <p>Galvanized 100 pcs</p>  <p><b>Pan Head M4x8</b></p>



SHADER ZIP

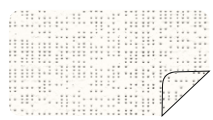

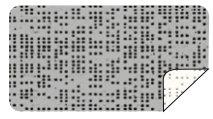
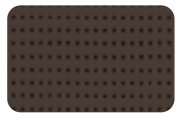
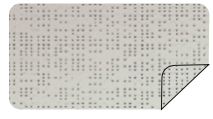




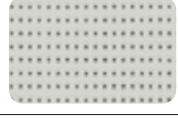



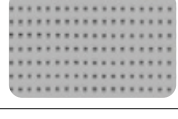

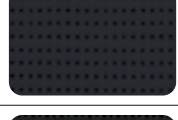
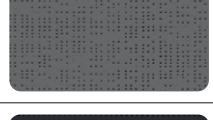


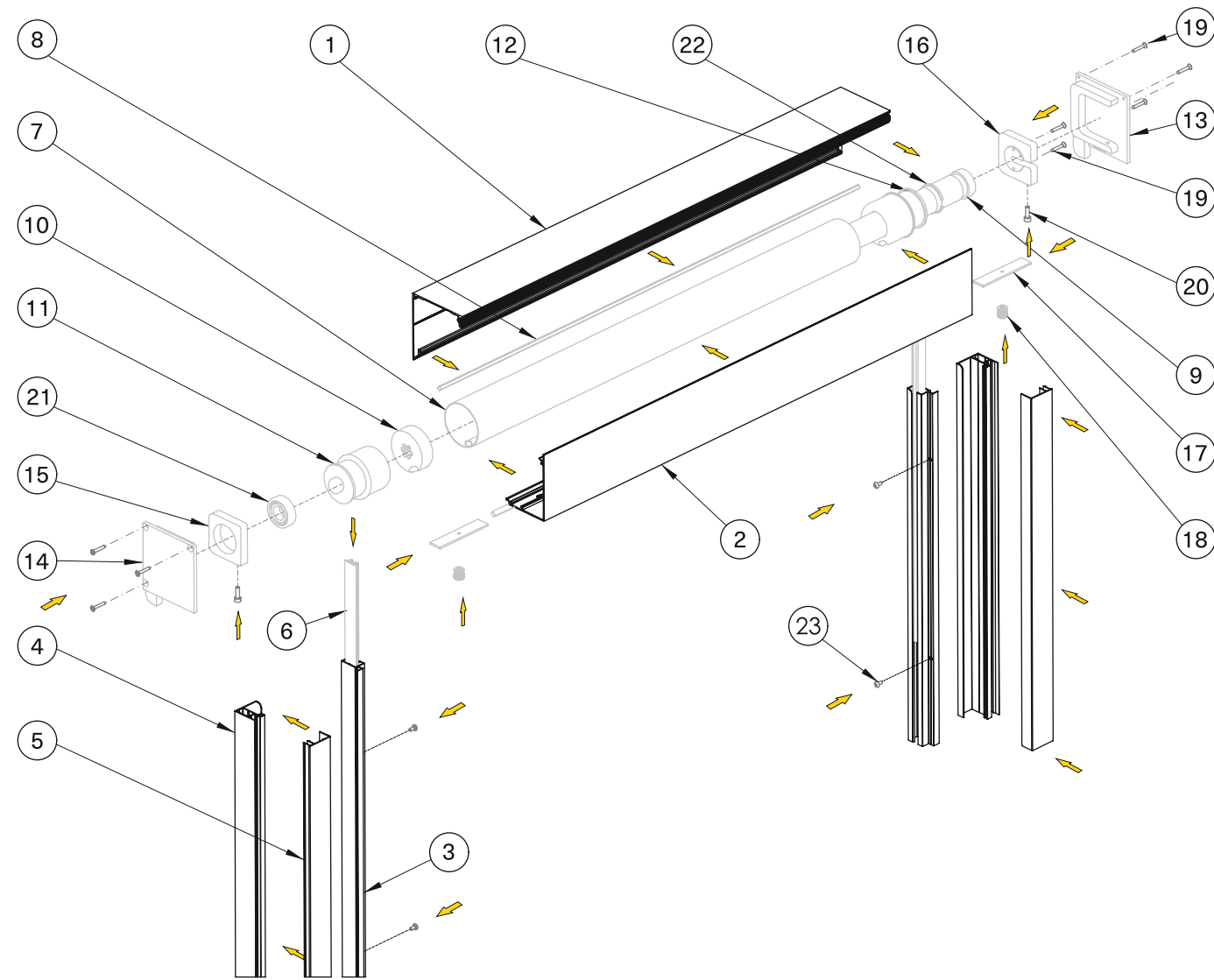
	Serge Ferrari White	GLM-04187		Serge Ferrari Sandy beige	GLM-04183
	Serge Ferrari Alu/White	GLM-04191		Serge Ferrari Bronze	GLM-04177
	Serge Ferrari Alu/Alu	GLM-04194		Serge Ferrari White	GLM-04181
	Serge Ferrari Champagne	GLM-04192		Serge Ferrari Champagne	GLM-04184
	Serge Ferrari Hemp	GLM-04196		Serge Ferrari Boulder	GLM-04182
	Serge Ferrari Sandy beige	GLM-04190		Serge Ferrari Concrete	GLM-04185
	Serge Ferrari Cloud	GLM-04195		Serge Ferrari Alu/alu	GLM-04180
	Serge Ferrari Boulder	GLM-04189		Serge Ferrari Anthracite	GLM-04178
	Serge Ferrari Concrete	GLM-04193		Serge Ferrari Deep black	GLM-04179
	Serge Ferrari Anthracite	GLM-04188			

Table. 1\_8

SHADER ZIP

	Suntex 95 Dark Bronze	GLM-04282		Suntex 97 Dark Bronze	GLM-04289
	Suntex 95 WHITE/GREY	GLM-04283		Suntex 97 WHITE/GREY	GLM-04290
	Suntex 95 SAND	GLM-04284		Suntex 97 SAND	GLM-04291
	Suntex 95 CHESTNUT	GLM-04285		Suntex 97 BLACK	GLM-04294
	Suntex 95 MOCHA	GLM-04286		Suntex 97 CARBON	GLM-04293
	Suntex 95 CARBON	GLM-04287		Suntex 97 MOCHA	GLM-04292
	Suntex 95 BLACK	GLM-04288		Suntex 97 CHESTNUT	GLM-04299

Table. 1\_9

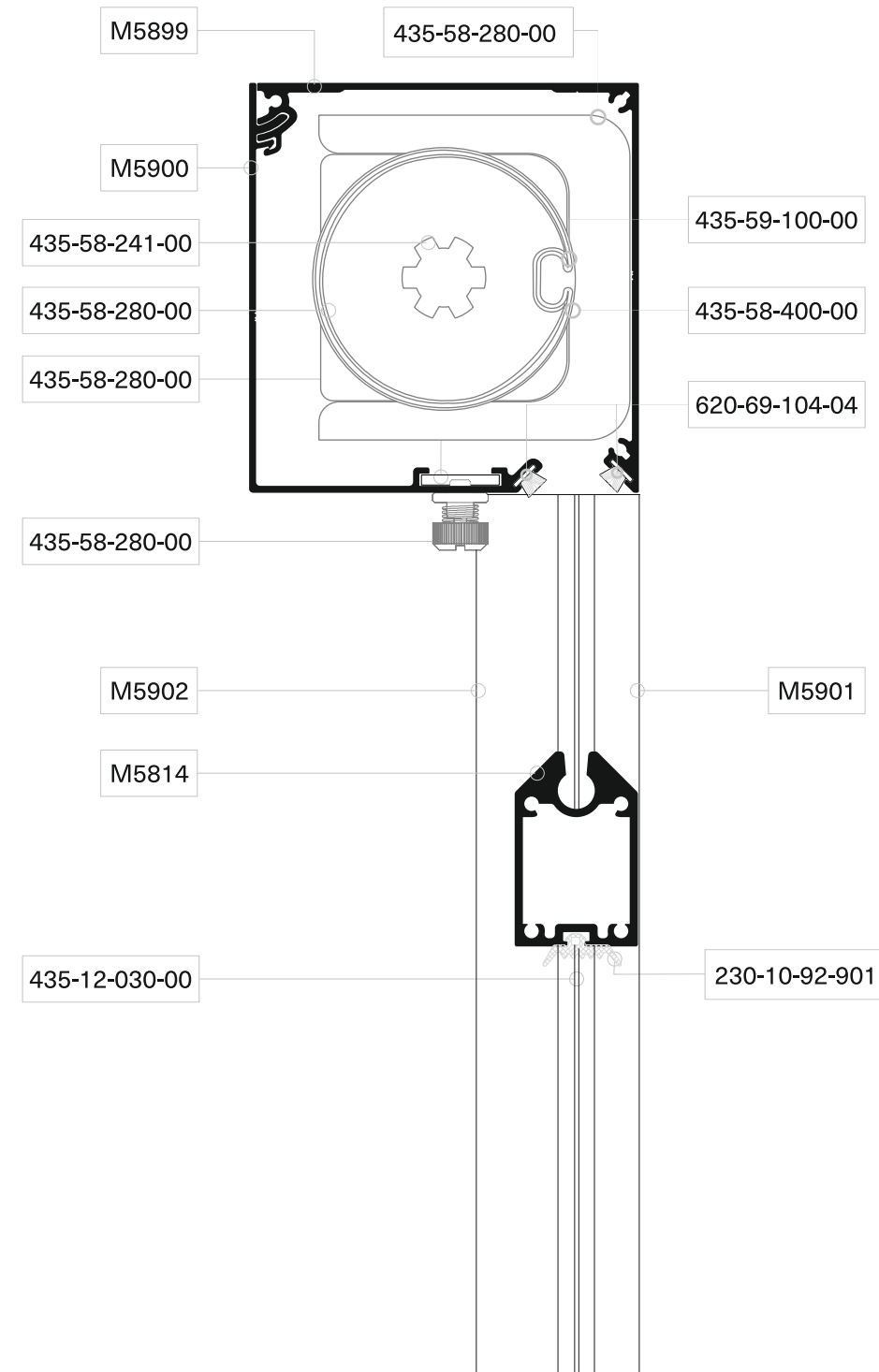


pic.1\_10

ACCESSORIES LIST			
ITEM	ACCESSORY CODE	SUBJECT	QUANTITY
1	M5899	TOP COVER FOR 100 mm	1
2	M5900	BOTTOM COVER FOR ROLLER	1
3	M5820	GUIDE INTERNAL PROFILE	2
4	M5901	GUIDE BACK PROFILE	2
5	M5902	GUIDE FRONT PROFILE	2
6	435-12-030-00	ZIP PVC	2
7	435-59-100-00	D63 SHAFT FOR 100 mm INDEPENDENT SCREEN ROLLERS	1
8	620-69-104-04	BRUSH 4 mm	2
9	435-03-225-00	SOMFY SONESSE 40 IO 6/20 VVF3M	1
10	435-58-241-00	MOTOR WHEEL for Sonesse 40	1
11	435-58-400-00	Bearing-D63 SHAFTADAPTOR for 100mm indep. screen rollers	1
12	435-58-400-00	D63 SHAFT MOTOR ADAPTOR for 100 mm indep. screen rollers	1
13	435-58-280-00	RIGHT CAP FOR 100 mm ROLLERS	1
14	435-58-280-00	LEFT CAP FOR 100 mm ROLLER	1
15	435-58-280-00	BEARING ADAPTOR	1
16	435-58-280-00	D34.5 MOTOR ADAPTOR	1
17	435-58-280-00	CAP LOCK PLATE	2
18	435-58-280-00	CAPTIVE PANEL SCREW M5X16	2
19	435-58-280-00	C/S A2 M3.5X25 ISO 7050	8
20	435-58-280-00	CAP HEAD BIDA ISO 4762 A2 M5x16 A/LEN	2
21	435-58-280-00	BEARING DIN 625 T1- 6004 20X42X12	1
22	435-47-330-00	Somfy Crown for 40x1.5 mm round tube	1
23	798-91-204-08	Pan Head A2 Metric Screw ISO 7045 - M4 x 8 - 4.8 - H	

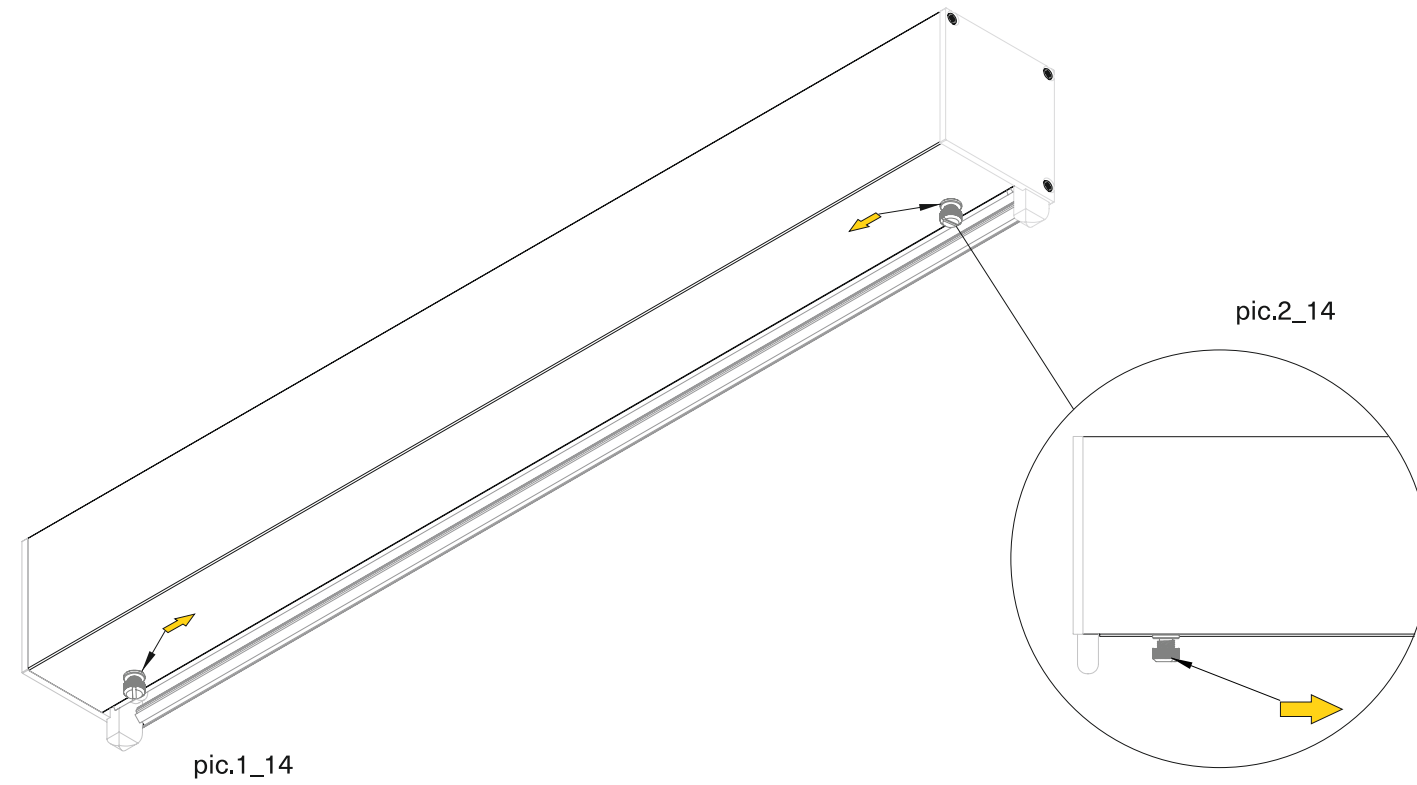
Table.1\_11

ATTENTION: The drawing numbers are indicated on the pages (e.g. fig.A\_B. "A" corresponds to the scheme number and "B" represents the page number).

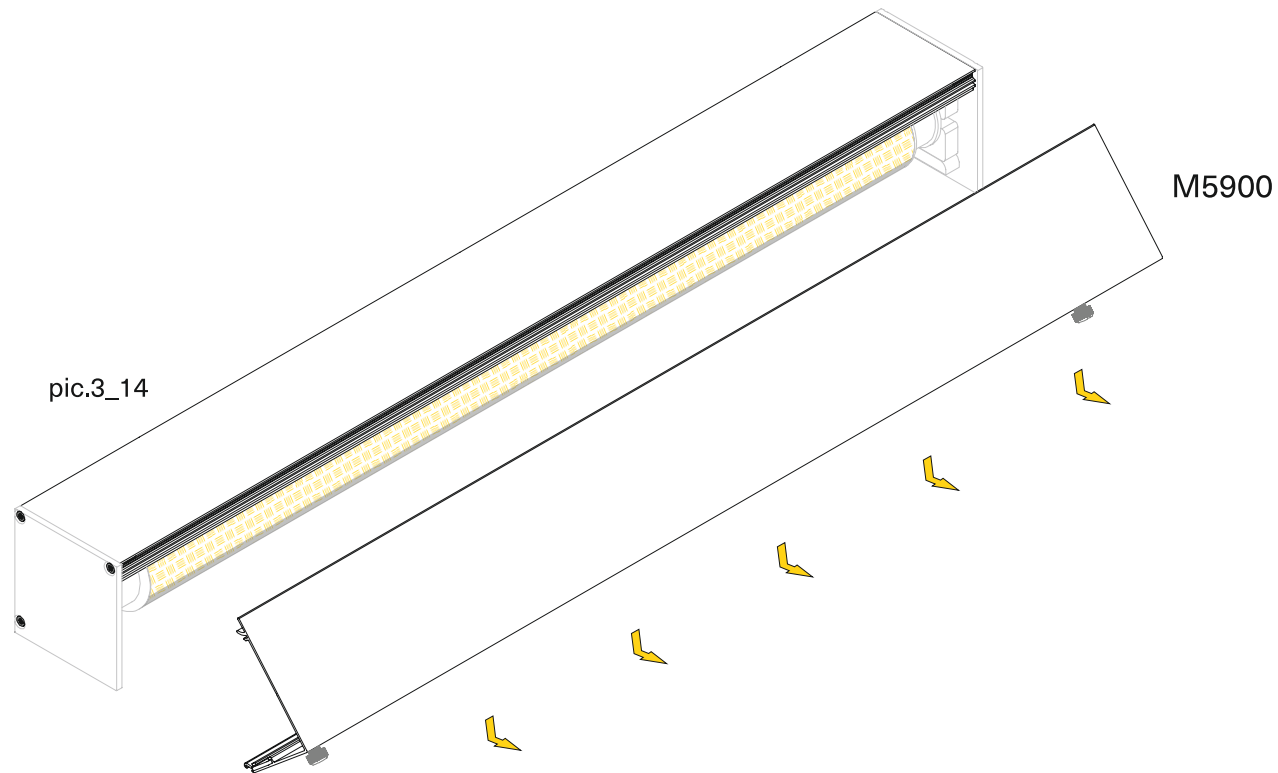


## INDEPENDENT ZIP ASSEMBLY

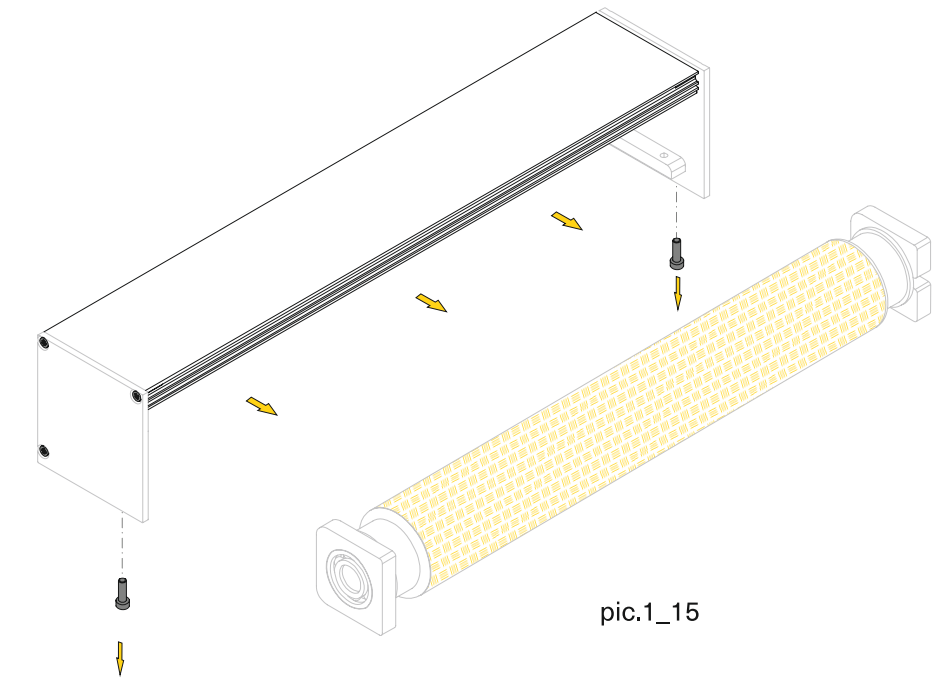
- ☞ Unfasten the suspension set screws (EX-435-58-280-00) at the bottom of the roller box and push them inside, so that the holding tabs are released.



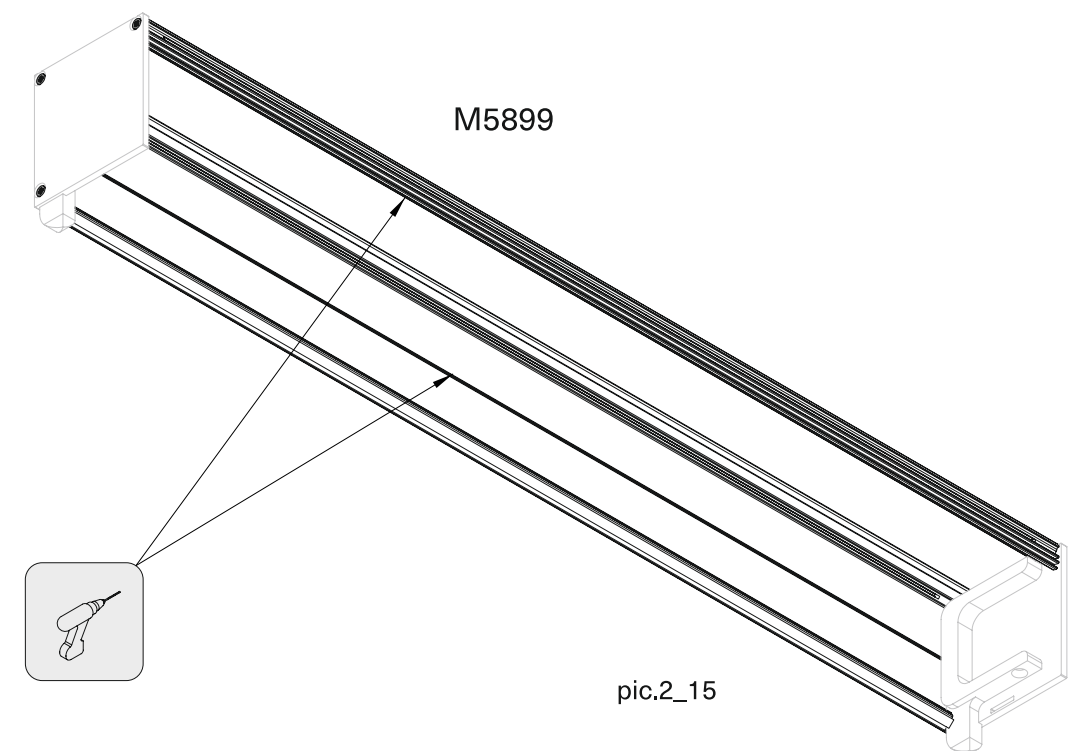
- ☞ Open the roller box by removing the front cover (profile M5900).



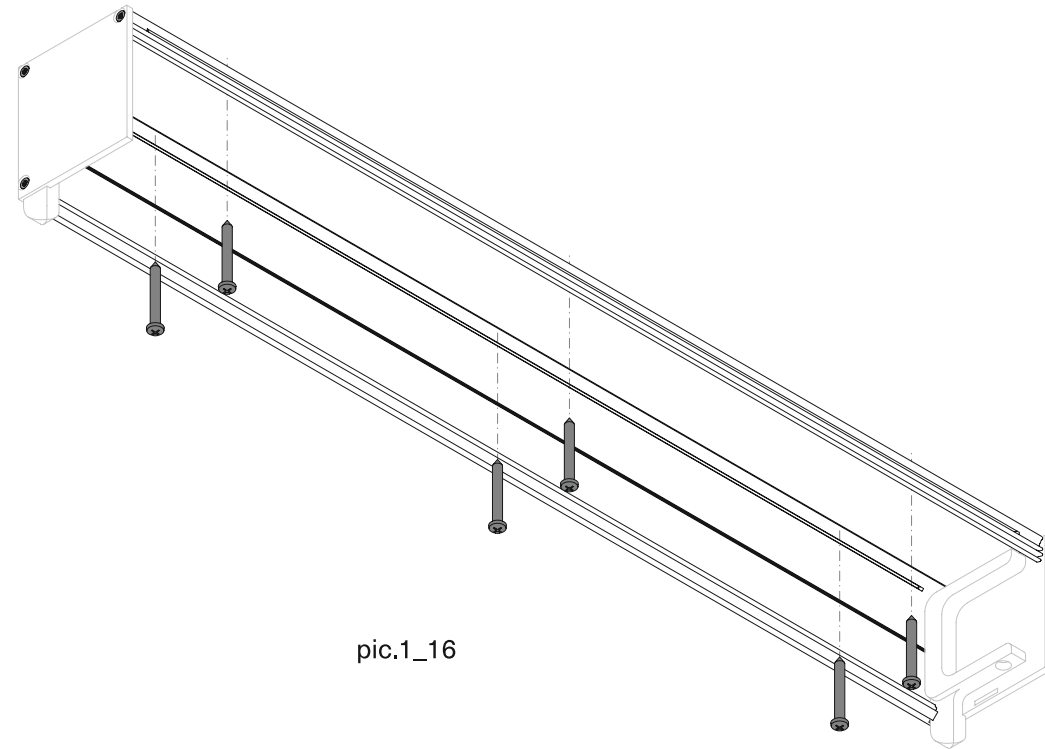
- ☞ Remove the bolts holding the bearing and motor adapters to the side caps and detach the shaft, without disassembling the components.



- ☞ Drill the back cover (profile M5899) according to the way you would like to place the box on the mounting surface.

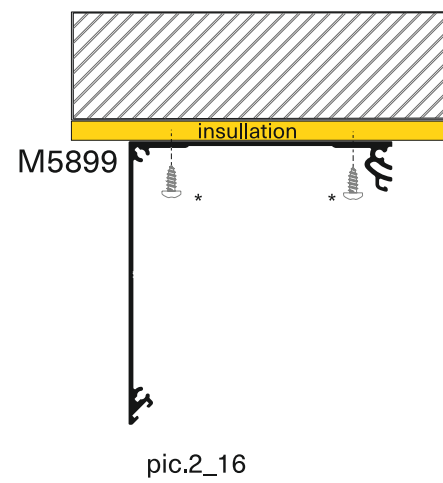


- Fix the box to the mounting surface with the appropriate screws / anchors, depending on the installation surface.



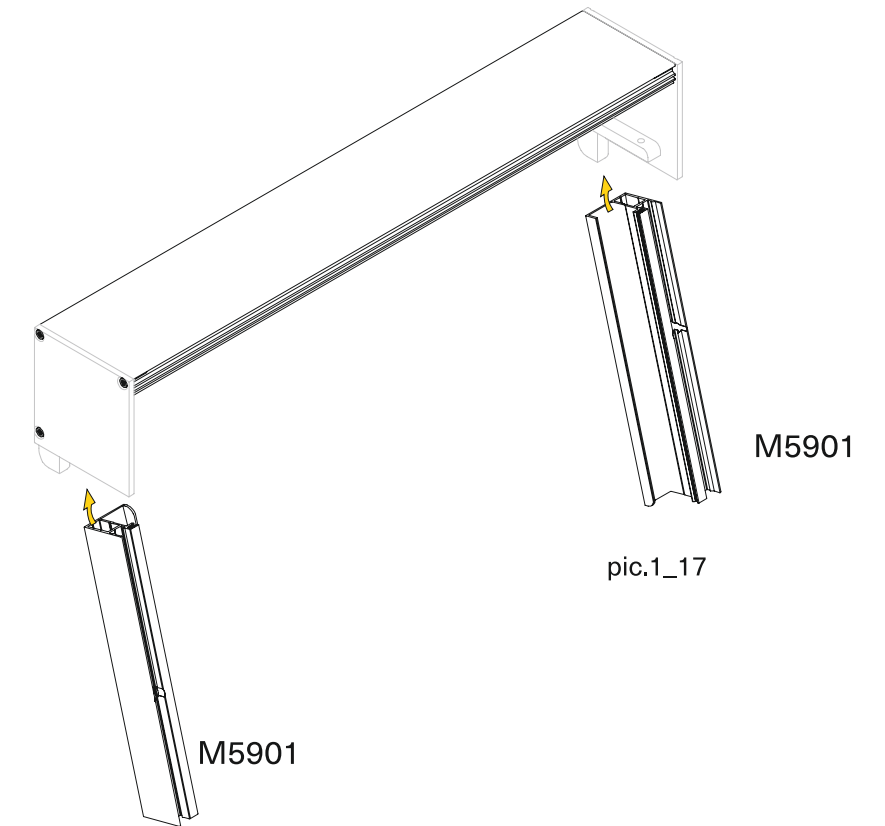
pic.1\_16

- ATTENTION:** At the contact points of the mounting surface and the aluminium profiles of the independent ZIP-shading box, it is recommended to insulate them before screwing with the use of butyl tape EX 720-19-992-00.



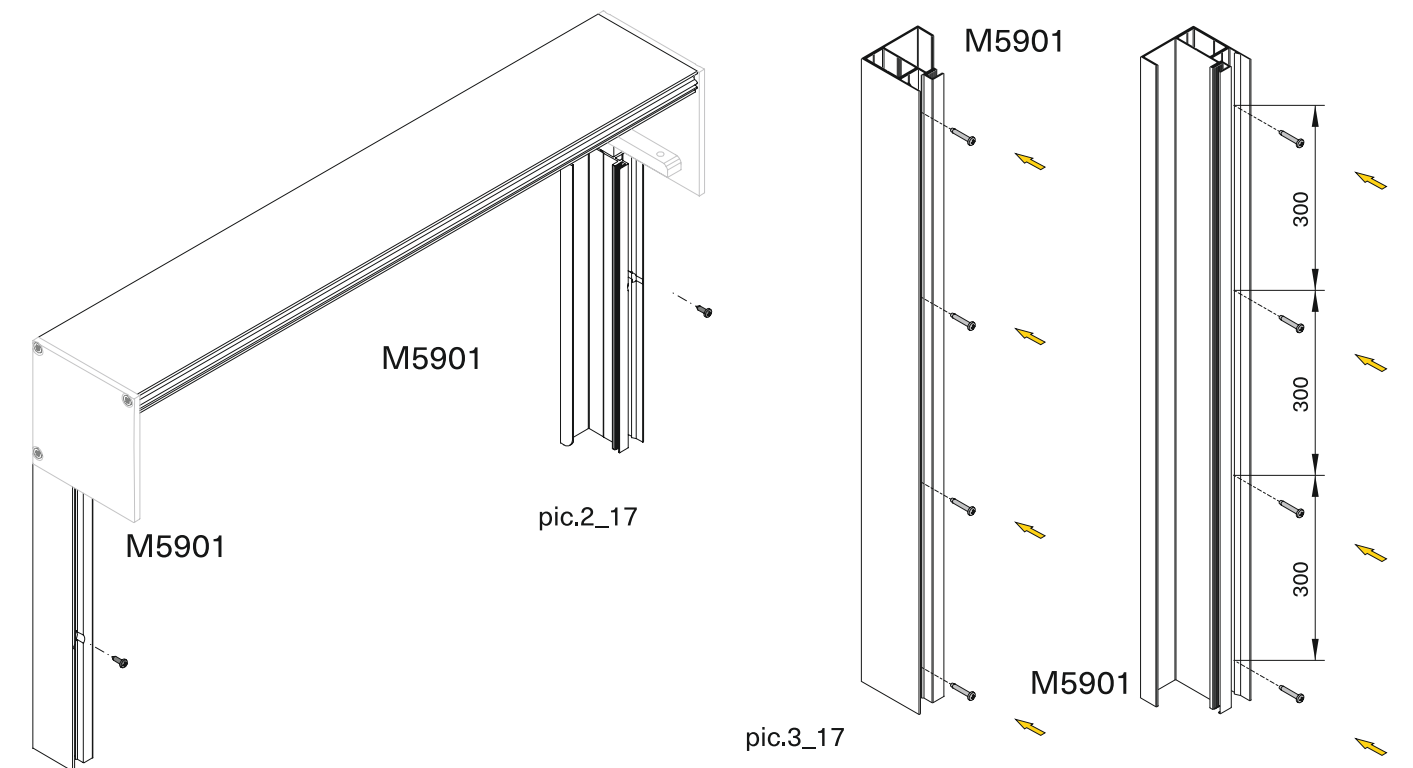
\* The fixing screws depend on the type of existing soil/wall.

- Place the two vertical profile guides M5901 applying them to the slots of the lower parts of the support caps.



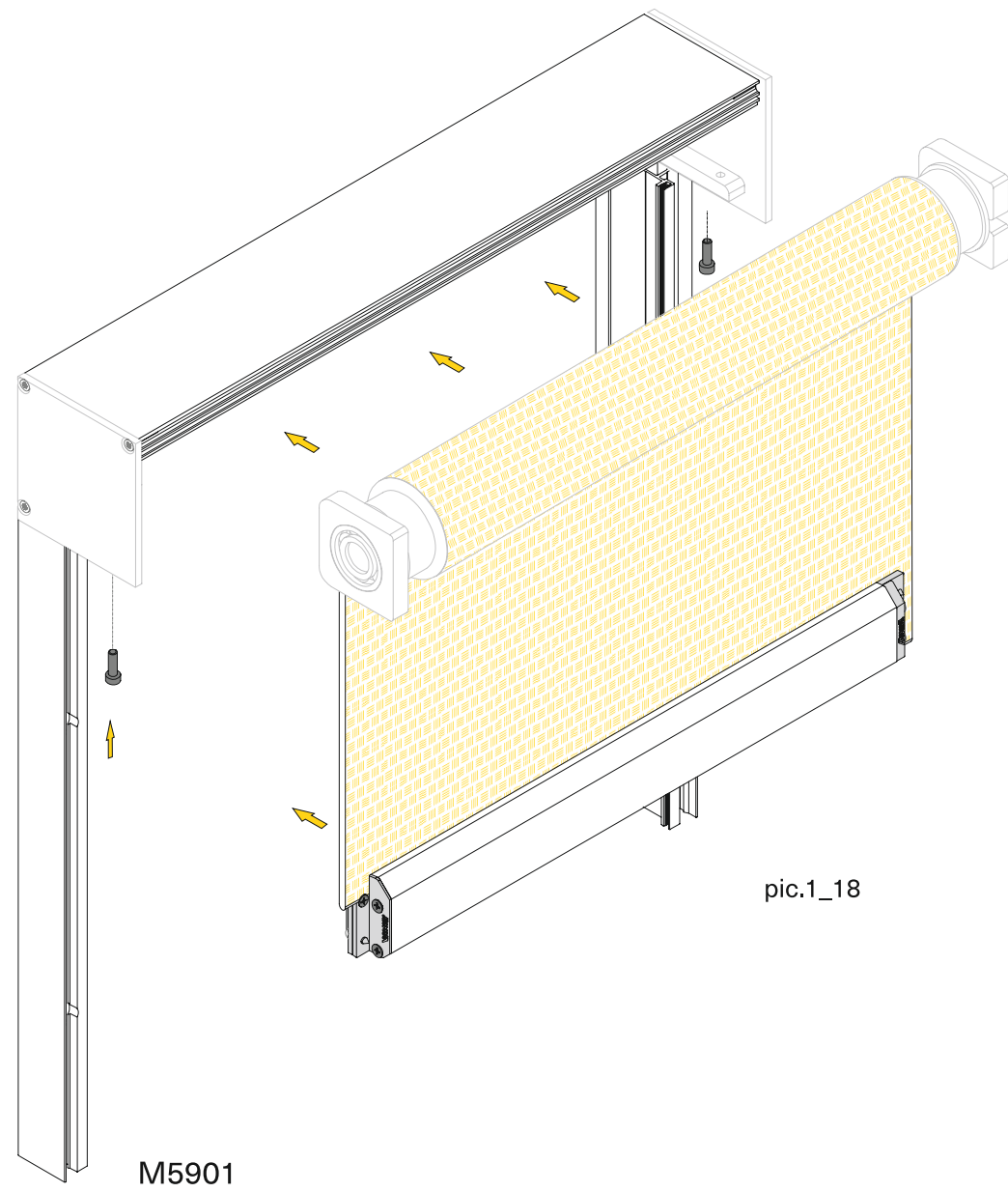
- Screw the vertical profile guides M5901 per 300mm with screws\* on the existing metal or aluminum construction bases.

\* The fixing screws depend on the type of existing soil/wall.

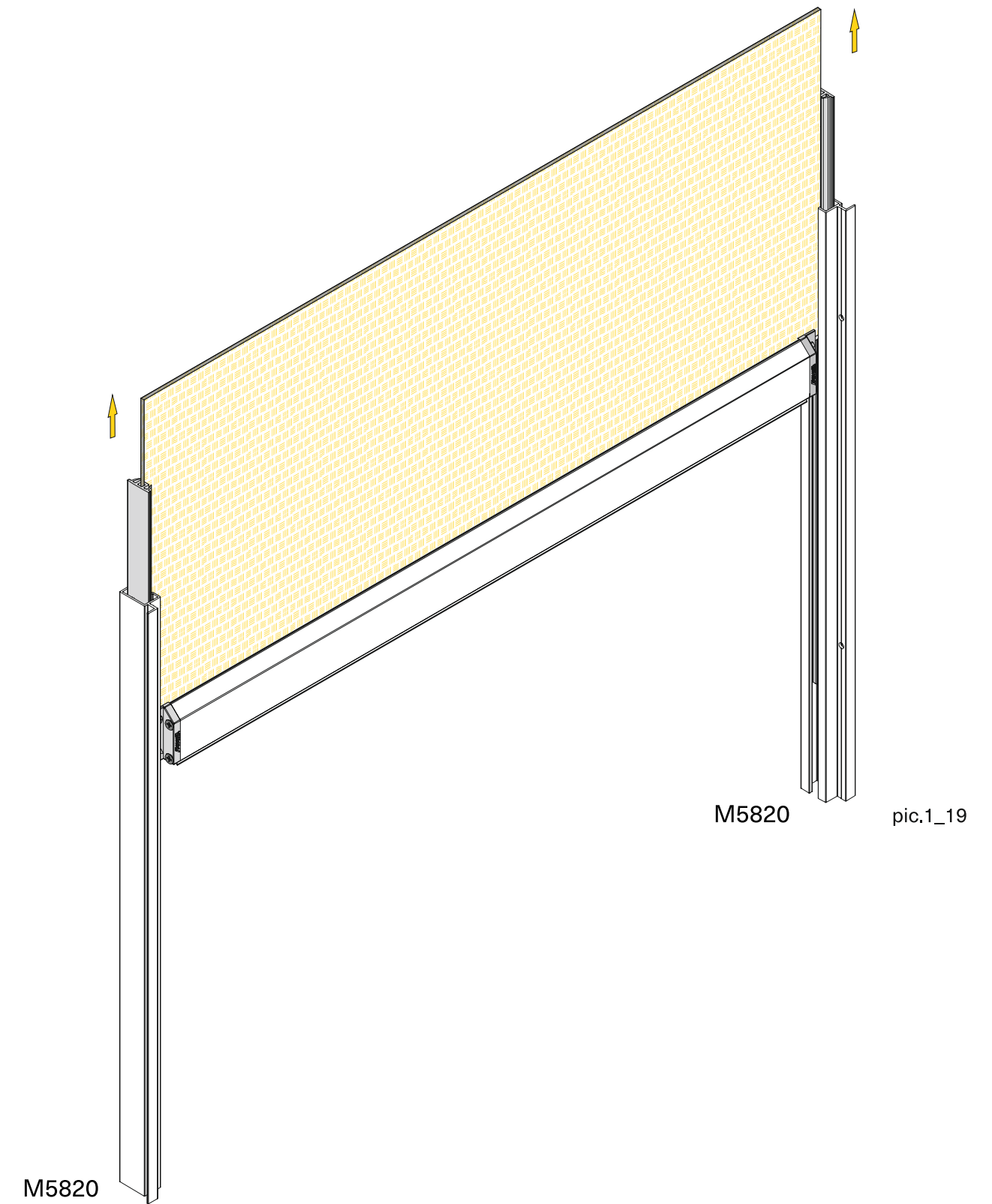




- ☞ Refit and secure the axle with the opposite proceeding of the steps of drawings 1\_15 and 2\_15.
- ☞ Place the  $\Phi 63$  mm shaft with the ZIP on the bases of the support caps of the independent ZIP-screen and fasten them with M5x16mm screws.

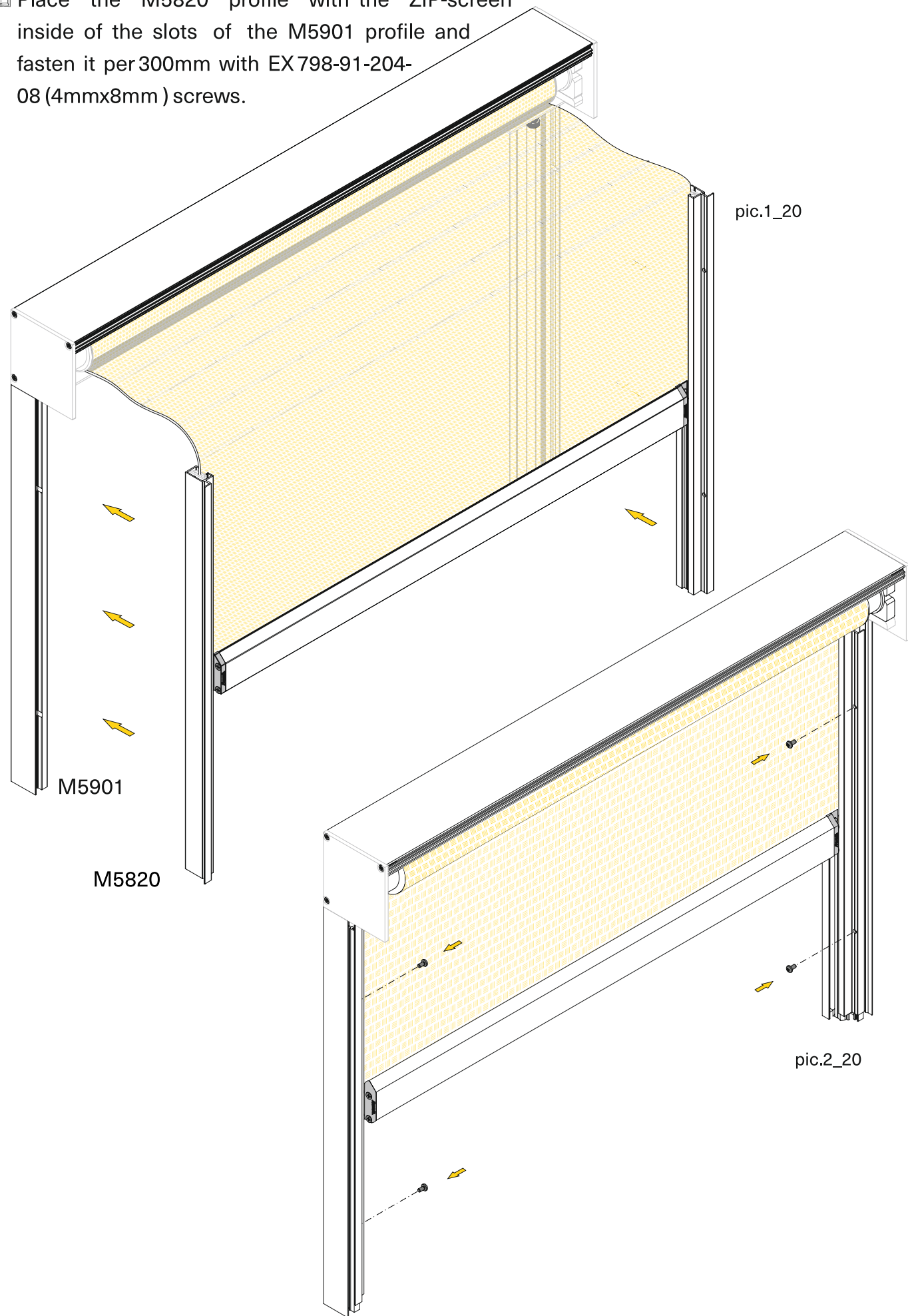


- ☞ Place the edges of the shading cloth in the slots of the ZIP PVC inside the M5820 profile.

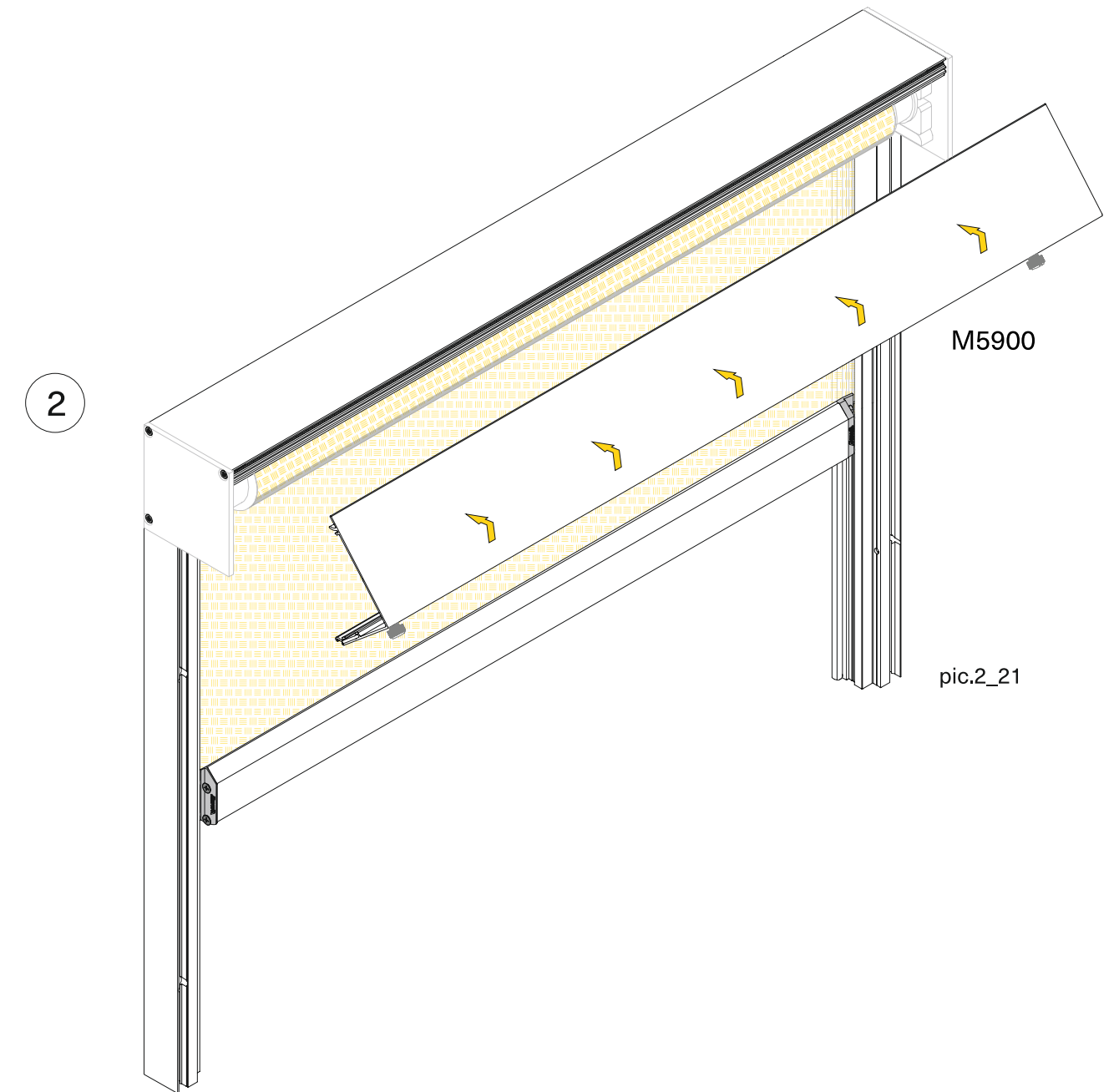




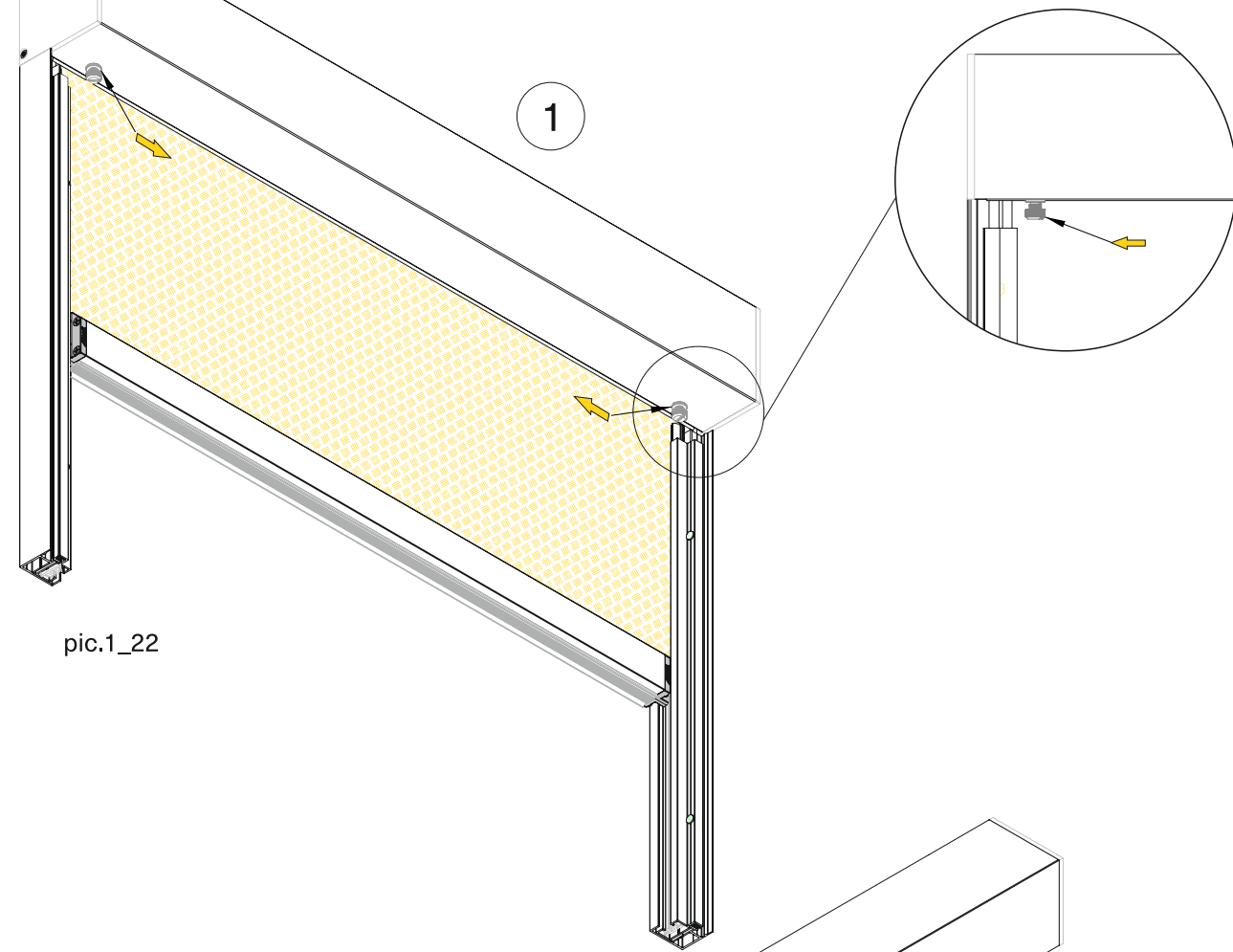
- Place the M5820 profile with the ZIP-screen inside of the slots of the M5901 profile and fasten it per 300mm with EX 798-91-204-08 (4mmx8mm) screws.



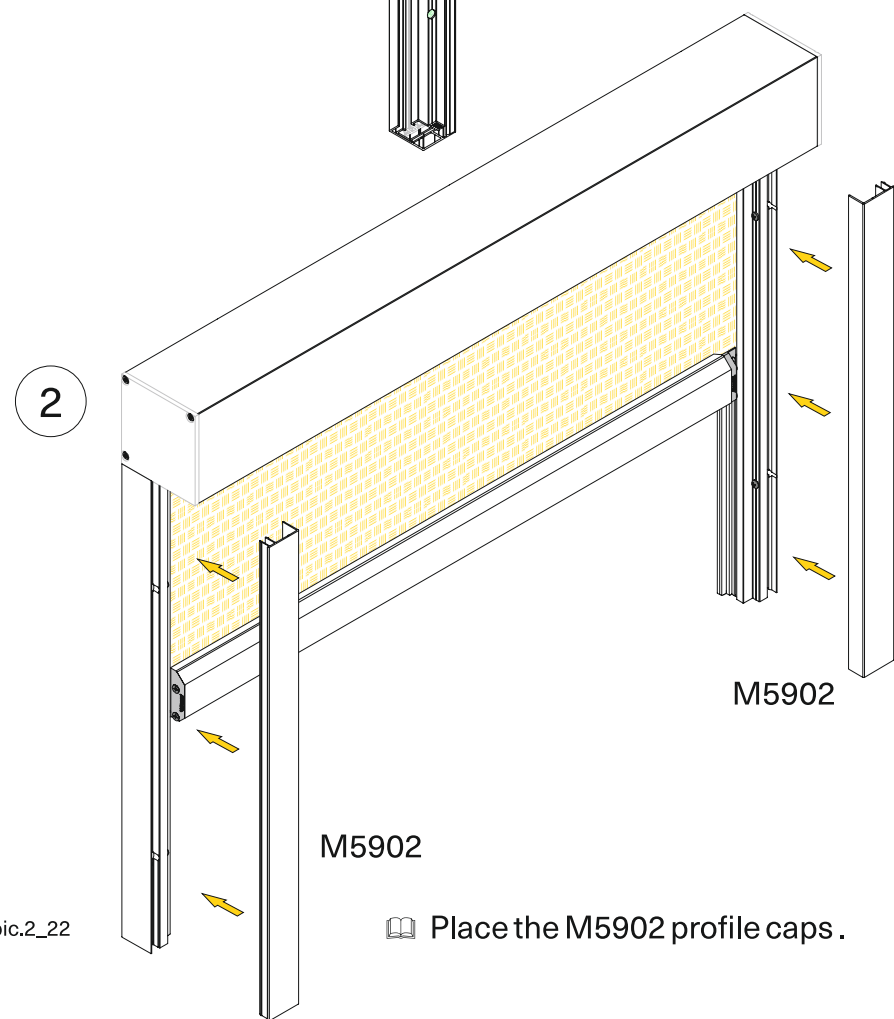
- Place the profile M5900 by snapping it into the slots of the profile M5899 of the independent ZIP-screen.



Secure the M5900 profile by sliding the special components into the bases of the side covers, screwing them with special screws M5x16mm (EX-435-58-280-00).



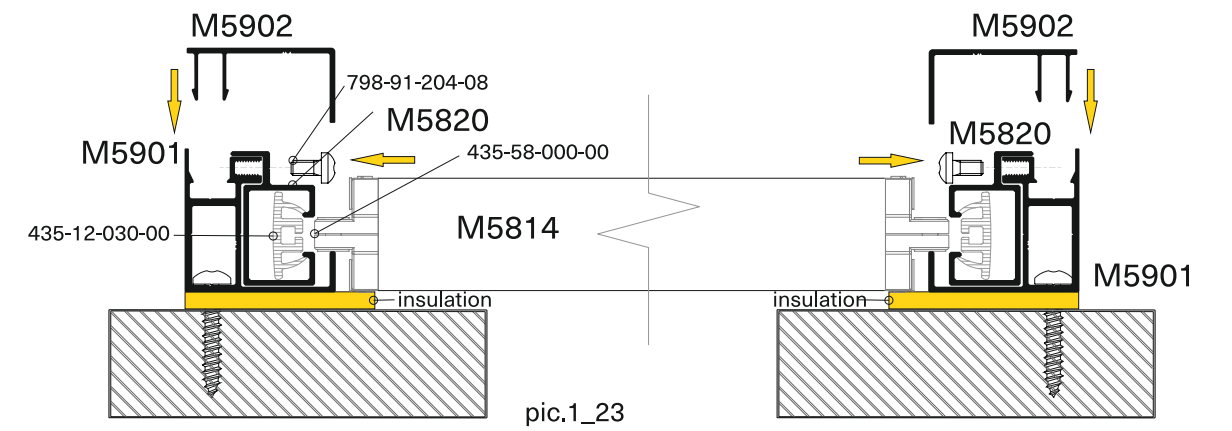
pic.1\_22



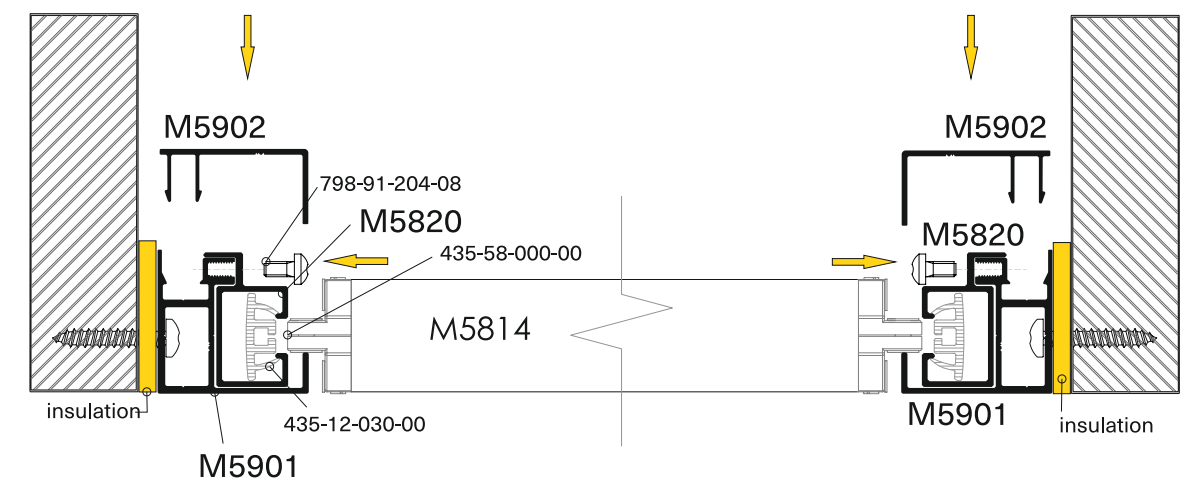
pic.2\_22

Place the M5902 profile caps.

Place the M5902 profile of the vertical and horizontal guides.  
**ATTENTION:** At the contact points of the metal surfaces and the aluminum profiles of the independent ZIP-screen, it is recommended to insulate them before screwing with the use of butyl tape EX 720-19-992-00.



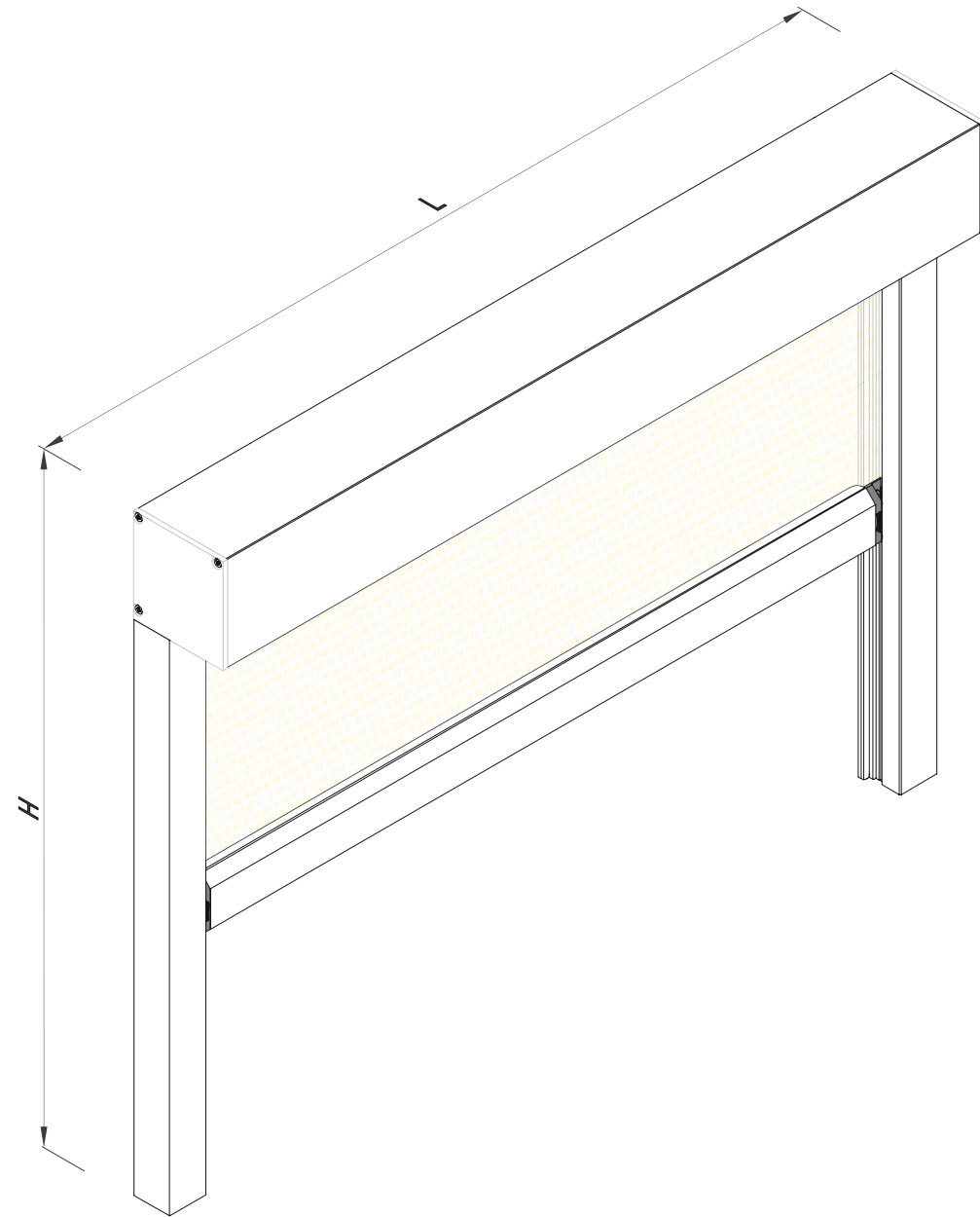
pic.1\_23



pic.2\_23



📖 The independent ZIP-screen is ready to be programmed. Follow the ZIP-screen programming instructions.

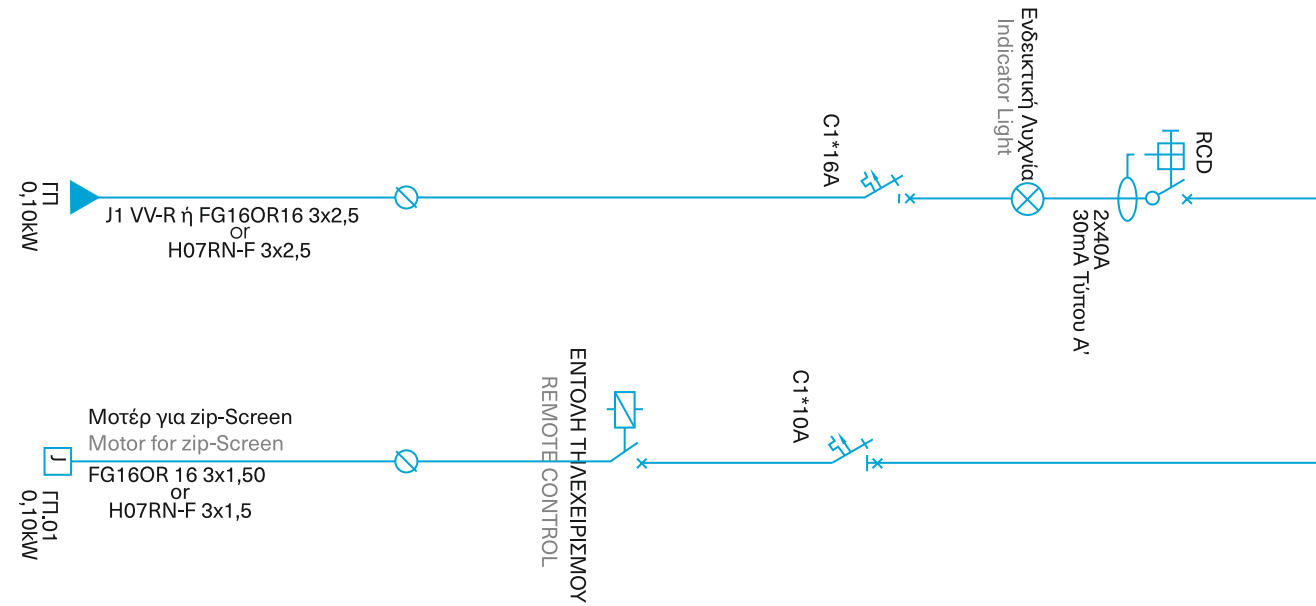


pic.1\_24



## APPENDIX I

All required cable connections must be made by a licensed electrician and we recommend that the electrical connections be in accordance with the electrical circuit below:



pic.1\_26

**ATTENTION:** The authorized electrician should install foundation/equivalence grounding in the ZIP construction.

HEADQUARTERS&FACTORY

Kilkis Industrial Area, Block 11  
PO box 19, Kilkis PC 61100

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E: pergolas@glmhellas.com



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