5.7
DT-E

TECHNICAL AND OPERATIONAL DOCUMENTATION

INSTALLATION MANUAL,
OPERATING MANUAL AND INSTRUCTIONS FOR SAFE USE

(Translated from the original manual)

5. Steel and aluminium components and structural sets
5.7. Veranda V ZIIIP / Pergola V ZIIIP

PRODUCT NAME:

VERANDA V ZIIIP
PERGOLA V ZIIIP

MARKING OF PRODUCT MANUFACTURER:

- Manufacturer name:
  SELT Sp. z o. o.

- Manufacturer's registered office:
  45- 449 Opole, ul. Wschodnia 23A

- Contact details:
  Tel: +48 77 553 21 00 (secretariat)
  Fax: +48 77 553 22 00

- Website:
  www.selt.com

- E-mail:
  selt@selt.com

PRODUCT SAFETY MARKING:

The product meets the CE safety requirements.

THIS TECHNICAL AND OPERATIONAL DOCUMENTATION:

- Is valid from: 01 March 2021

- Is applicable to the above listed product versions.

TABLE OF CONTENTS

1 INTRODUCTION

1.1 SAFETY GUIDELINES FOR THE PRODUCT

The product has been manufactured in accordance with the latest technical knowledge in the field of construction and manufacturing and meets the safety requirements in accordance with the following standards.

No.	Subject	European Legal Basis	Polish Legal Basis
1	External blinds and awnings. Performance requirements including safety	EN 13561:2015	PN-EN 13561:2015
2	Construction Products Regulation (CPR)	Regulation No 305/2011 of the European Parliament and of the Council	Act of April 16, 2001 on building products (Journal of Laws of 2020, item 215) as amended
3	Essential requirements for the machinery	Directive 2006/42/EC of the European Parliament and of the Council	Regulation of the Minister of Economy of October 21, 2008 on the essential requirements for machines (Journal of Laws 2008 No. 199, item 1228) as amended (Dz.U. Journal of Laws 2011.124)

Related documents: Declaration of Performance (external products), Declaration of Conformity and instructions for installation, use of motors and control.

1.2 EXPLANATION OF SYMBOLS AND SIGNS

The following symbols (pictograms) indicate particularly important threats and safety information.

Pictogram	Pictogram meaning	Information
	INFORMATION	Prior to using the product, its operating manual should be read. Following the operating manual guarantees: - failure-free use of the product, - warranty coverage against product defects. Keep the operating manual for safety of people.
	INFORMATION	No harmful or dangerous consequences for people or facilities.
	NOTE!	A situation likely to cause product damage or other damage. No threat for people.
	WARNING!	Threat of danger.
	DANGER!	This symbol marks all safety information which, if not observed, could endanger the life or health of persons. Health or life hazard. Risk: danger of serious injury or death. Unsafe operation that may cause injury or damage to the product.
	WARNING!	Threat to human life or health due to electric shock.
	ENVIRONMENT	Marking of electronic or electric equipment, which should be collected in the designated points.

1.3 TERMS AND DEFINITIONS

For the purposes of this documentation the following terms and definitions shall apply:

Product: PERGOLA V ZIIIP
Product made of fabric/material, placed outside; above, in front of or within an opening in a building, or anywhere within the outer surface of a building; extending in a horizontal and/or inclined and/or vertical plane, pulled in by rolling up the fabric fixed to the front beam that is mounted with the side guiding beams (side guides). The possible movement of the fabric - up - down (rolling up - unfolding) is carried out with the use of an electric drive. The product may have front supports for guiding beams or mounting brackets. The structure of the product is offered in a standard colour from the RAL palette after confirmation of their availability by the manufacturer. The product serves the function of a sun shading system.

Fabric:
A part of the product made of fabric or other material that is set in motion by means of a control mechanism, ensuring that the product fulfills its function. It acts as a sun shield.

Front supports:
A part of the product that serves as a support for the beams guiding the fabric (side guides).

Mounting brackets:
A part of the product that serves as a support for the side beams guiding the fabric, ensuring that the product fulfills its function.

Guiding beams (side guides):
A part of the product connected to the cassette, acting as a fabric guide and including a fabric tensioning mechanism and constituting a suspension for the beams supporting the fabric.

Cassette:
Oval-shaped part of the product, fixed to the ground or wall with brackets, or supported only on guiding beams (in the version with mounting brackets).

PRODUCT VERSIONS:

Veranda V ZIIIP single-module with mounting brackets – a sun protection system consisting of a cassette and two side guides connected to it together with the fabric, supported on a load-bearing surface by means of mounting brackets supporting the side guides and cassette mounting brackets, constituting one separate product.

Veranda V ZIIIP multi-module with mounting brackets – a sun protection system consisting of a structure of two or more single-module veranda awnings joined together, supported on a load-bearing surface by means of common mounting brackets supporting the side guides and independent cassette mounting brackets, consitutitng one joint product.

Pergola V ZIIIP single-module with front supports (TA - terrace awning) – a sun protection system consisting of a wall-mounted structure including cassette and two side guides connected to it together with the fabric, supported on the load-bearing surface only by the cassette mounting brackets and two front supports, constituting one separate product.

Pergola V ZIIIP multi-module with front supports (TA - terrace awning) – a sun protection system consisting of a wall-mounted structure consisting of two or more single-module Pergolas V connected to each other, supported on the load-bearing ground only by the cassette mounting brackets and common front supports.

1.4 SUBJECT, INTENDED USE AND CONTENTS OF THE DOCUMENTATION

This documentation covers the products manufactured by **SELT Sp. z o.o.**
This documentation applies to all types of **PERGOLA V ZIIIP.**

User's manual and instructions for safe use, with motor manual, should be handed over to the end user

IMPORTANT INSTRUCTION RELATED TO SAFETY
WARNING - IT IS VERY IMPORTANT TO PROCEED ACCORDING TO THIS MANUAL TO ENSURE PEOPLE SAFETY.
KEEP THIS MANUAL

The documentation is valid together with the product-specific information available on the website www.selt.com

This documentation contains:

- important guidelines for installation, use and maintenance of the product,
- important recommendations for storage and transport,
- guidelines, which observance would ensure long-lasting and failure-free operation of the product.

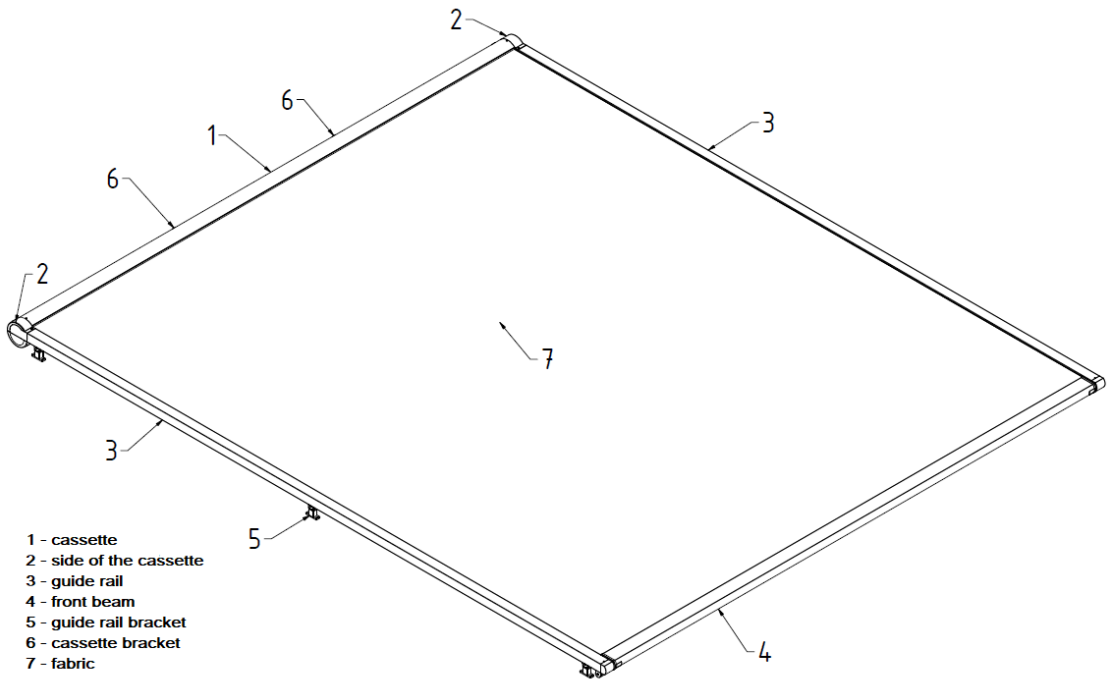
SELT Sp. z o.o. shall not be responsible for damages resulting from non-observance of the recommendations included in this documentation.
For further improvement of the product, SELT Sp. z o.o. reserves the right to introduce changes, which, while maintaining significant technical parameters, will be considered as appropriate for increasing the quality of product operation and safety of use.

2 PRODUCT TECHNICAL INFORMATION

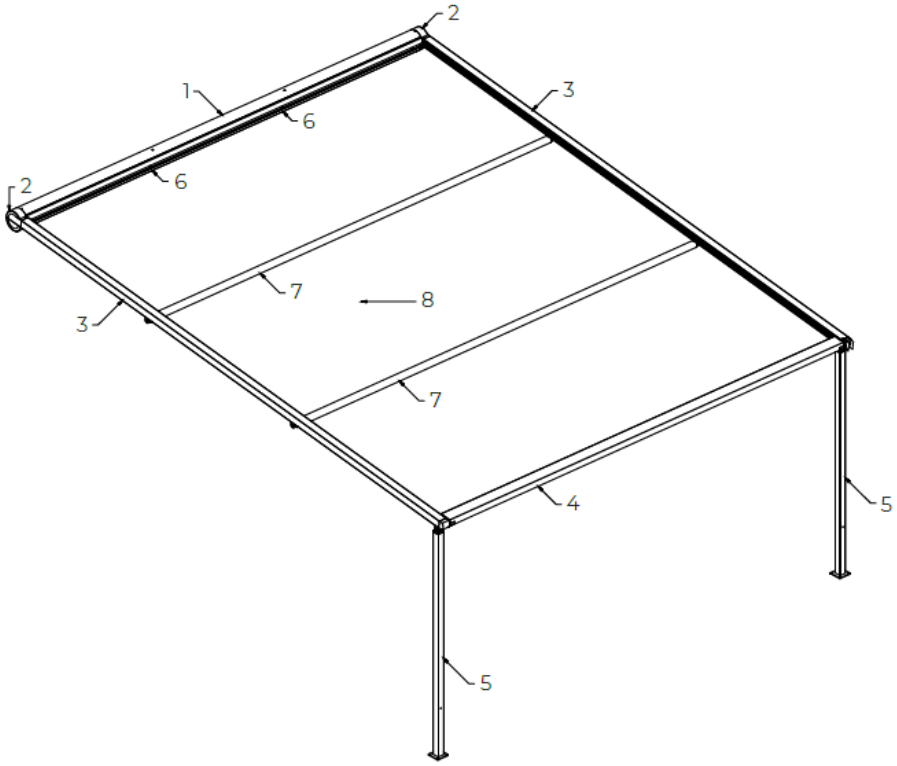
Technical specifications of the product are available after logging in on website www.selt.com

2.1 TECHNICAL PARAMETERS:

Veranda V ZIIIP - single-module veranda version with guide rail brackets



Pergola V ZIIIP – terrace awning version single-module with front posts



1. Cassette
2. Side of the cassette
3. Guide rail
4. Front beam
5. Post
6. Cassette bracket
7. Support beam
8. Fabric

Pergola V ZIIIP						
Module dimensions:	Width of single module	Projection	Maximum height of the front posts	Tilt angle adjustment range – pergola version	Tilt angle adjustment range - veranda version	
Supporting structure	up to 5000 mm	up to 6000 mm	2450 mm	from 10° to 45°	from 0° to 45°	
Axial spacing of mounting:	Cassette:	Guide rail brackets:	Front supports for the guide	Support beams	Height of mounting brackets	
					Single	Modular
Maximum:	1600 mm	2870 mm	5700 mm	1900 mm	250 mm	200 mm
Scope of use / exploitation						
Scope of use / exploitation	+5 to +40°C (opening / closing of the fabric) - 30 to +50°C (supporting structure)					
Air humidity	90% no steam condensation (opening / closing of the fabric) to the full extent (supporting structure)					
Fabric:	Serge 100 / Serge 600 – in accordance with the current price list					
Fabric tensioning system:	Pneumatic: gas springs ST500 600N, jump 500mm, length 1075mm					
Electric drive - motor with the following parameters						
- supply voltage	230V/50Hz					
- power	270 W					
- power consumption	1,2 A					
- protection level	IP 44					
- torque	40 Nm					
- rotation speed	17 rpm					
- operating temperature	up -10 to +40°C					
Technical data of electric motors						
Drives (types of drives):	- remotely controlled electromechanical drive					
Connection to the electrical system	Power cord fixed with a Hirschmann plug (not for Somfy IO)					
Support beams:	Fabric supporting tubes from 1 to 2 pieces, depending on the size					
Installation:						
Application	External					
Site installation	- Single or multi-module - on mounting brackets to the load-bearing surface or on the cassette and front supports - To the ground or to the wall (structural element) and the ground					

Detailed data for parameters of the individual motors are available on the websites of motor manufacturers and on the website:
https://www.selt.com/automatyka-en

2.2 PRODUCT SPECIFICATION

Products manufactured by SELT Sp. z o. o. have appropriate technical and operational parameters.

List of product types:

- Installed outside the building, started by electromechanical drive connected with the control system,
- Single and multi-module versions connected in width direction,
- wall-mounted version (with front supports) or self-supporting version (with mounting brackets).

They have the following features:

- Electric movable roof.
- Possibility of modular assembly.
- They do not protect against rain and snow.
- The system is not rainproof and should be rolled up when it rains.
- It is forbidden to unroll the fabric during rain, snow or sub-zero temperatures.
- They protect against excessive penetration of sunlight in their outline, protect surfaces against heating, thus contributing to the improvement of thermal comfort in terms of their outline.
- Includes a special fabric tensioning system provided by a belt and gas spring assembly.
- Possibility of using mounting brackets and cassette mounting brackets or front supports and cassette mounting brackets.
- It is possible to set the inclination angle of the cover in the range of 10° to 45° (assembly with the use of front supports) or from 0° to 45° - version (assembly on mounting brackets).
- They do not emit toxic substances during operation.
- Noise emission by a product with an electromechanical drive (associated with the working movement of moving parts, produced by an electric motor during operation) is not considered a significant hazard and is a matter of comfort.
- Motors have cover protection degree not worse than IP 44.
- The construction of the product and the drive allows for safe stopping of the movable roof cover in any position within the working area and remaining there in a state of rest.
- The movement of the movable roof (rolling up and unfolding) can be activated by a manual switch or remotely controlled.
- Covers of moving parts have been designed and made in a way that ensures safety for the operators, assuming that they are properly operated.

Note:
- Deflection/sagging of the fabric does not cause incorrect operation of the system and is not a defect of the product.

3 TRANSPORT AND STORAGE OF THE PRODUCT

3.1 COMPLETENESS AND QUALITY CONDITION OF THE DELIVERY

SELT Sp. z o. o. makes every effort to ensure compliance of the goods with the order. However, checking the completeness of the product is the responsibility of the Buyer and should take place at the time of its receipt. Discrepancies should be immediately reported to the driver/warehouseman/assembly team and marked on the WZ document under pain of loss of claims in this respect. Checking the quality in terms of obvious defects is the responsibility of the Buyer and should take place at the time of receipt of the goods. Apparent defects are mechanical damage, scratches, cracks, etc. Quantitative discrepancies and possible replacement of parts with obvious defects SELT Sp. z o. o. undertakes to complete or replace it in the shortest possible time.

3.2 GENERAL CONDITIONS FOR TRANSPORT AND STORAGE OF THE PRODUCT

List:

- the product is factory packed in cardboard packaging protecting against damage during storage, during transport and during relocation to the final installation location,
- products for transport/storage should be set in accordance with the arrows indicated on the product packaging,
- do not stack the products in more than two (2) layers because the packing material can be crushed, what in turn may lead to permanent damage to the product,
- products places on means of transport should be protected against relocation and damage during the transport (e.g. with distance pieces, protecting belts etc.),
- during transport the product should be protected against rain or snow,
- storage locations should be dry, well-ventilated and protected against harmful impact of the weather (sun, rain, etc.)
- moving the product to the place of its assembly should be carried out in accordance with the applicable Health and Safety regulations applicable to the place of assembly.

3.3 OBLIGATORY DESCRIPTIONS TO BE PLACED ON THE PRODUCT PACKAGING

Prior to installation and use of the product please read carefully the operation and maintenance manual available at the following website https://www.selt.com/dte-en

4 PRODUCT INSTALLATION

This chapter contains general requirements concerning the product installation.
Correct assembly is a necessary condition for smooth operation of the product.
SELT Sp. o.o. recommends using only professional assembly crews, which guarantee the Purchaser that the conducted installation will be correct.

4.1 GENERAL REQUIREMENTS FOR SAFE INSTALLATION

- it is necessary to observe general rules of good building practice,
- it is necessary to comply with applicable Occupational Health and Safety regulations concerning in particular those applying to the safety of operation of electrical equipment and work on heights,
- the product must be fixed mechanically (foams, adhesives or similar materials are not allowed as fastening materials),
- the base to which the product brackets and/or front supports will be attached should be a load-bearing structure (concrete, brick, etc.),
- in the case of metal structures joined together in accordance with the applicable rules for joining metals, the assembly is made to materials with the appropriate wall thickness,
- before commencing installation, remove all unnecessary electrical wires from the installation area.

Information table

The manufacturer allows the installation of the product in the following types of substrate (wall bearing layer):
- reinforced or unreinforced concrete, class at least C20/25, non-cracked,
- concrete specified above having a layer of insulation with a thickness of up to 25 cm,
- wall at least 24 cm, of Mz solid bricks, NF format, with a strength of at least 20 MPa and a density of >1.8 kg/dm3 based on M2.5 - M9 mortar,
- wall at least 24 cm, of silicate blocks with a strength of at least 10 MPa and a density of >2 kg/dm3 based on M2.5 - M9 mortar,
- wall at least 17.5 cm, of silicate perforated blocks with a strength of at least 20 MPa and a density of >1.8 kg/dm3 based on M2.5 - M9 mortar,
- wooden (wall/ceiling) beams, class of at least C24, without cracks, with a thickness of at least 100 mm,
- wooden rafters, class of at least C24, without cracks, with a thickness of at least 70 mm,
- walls made of silicate blocks (full or hollow) with a layer of insulation – to be consulted with an authorised designer,
- solid brick walls with a layer of insulation - to be consulted with an authorised designer,
- wall made of cavity ceramic hollow bricks without insulation or with a layer of insulation - to be consulted with an authorised designe,
- autoclaved aerated concrete blocks - this substrate is not recommended.

The above list of substrates is only indicative. Each substrate suitability depends on the specific location and size of the product, and must be selected by an authorized constructor.

4.2 REQUIREMENTS FOR SAFE INSTALLATION OF THE PRODUCT AT HEIGHTS

Product installation, due to a necessity of execution of works on heights, is classified to the particularly hazardous works because it causes high risk of occurrence of threats for human health and safety - in particular in case of fall from heights.

It is the Buyer's responsibility to ensure that a health and safety plan is developed during installation.

4.3 PREPARATION FOR INSTALLATION

- unpack the product and check if there are all components necessary for assembling,
- prior to installation you should check whether the substrate has sufficient load capacity allowing safe assembly and operation.

Note: Purchase and selection of the screws, pins and bolts connecting the system with the facility structure should be done by installer or investor.

4.4 GENERAL GUIDELINES FOR PRODUCT INSTALLATION

- System/brackets are attached to the structure using appropriately selected assembly products (they are not included with the product),
- The product should be protected against dirt (e.g. mortar, mounting foam, silicone) as it may damage it,
- If it is necessary to use polyurethane foam, silicone or other agents, it is absolutely necessary to follow the manufacturer's instructions on the packaging.

Incorrect assembly can lead to dangerous situations for the user.

4.5 INSTALLATION TOOLS

List:

- Phillips screwdriver
- set of Allen keys
- socket wrench
- drill
- tape measure
- spirit level
- two ladders

At least 3 people are required for assembly.

4.6 INSTALLATION

Instructions for assembly, operation and safe use are available after logging in on the website www.selt.com

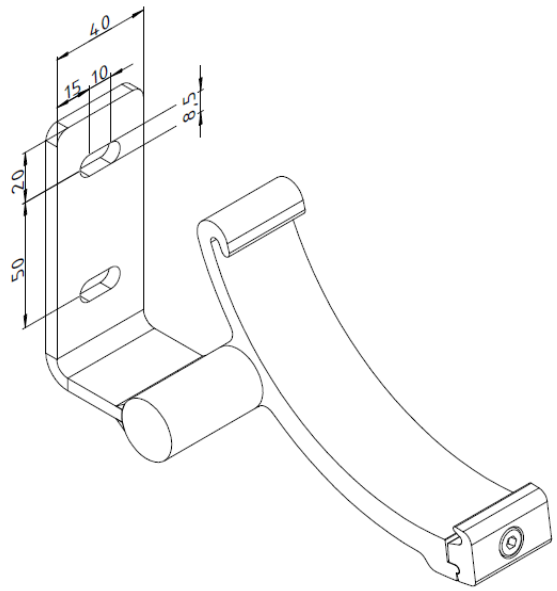
Note: Before proceeding with the assembly, it is necessary to verify the visual condition of the packaging of the elements delivered for assembly, the visual condition of the elements and their completeness. The carrier is responsible for damage caused in transit.

For the installation of Pergola V ZIIIP, we distinguish four installations for different types of the product:

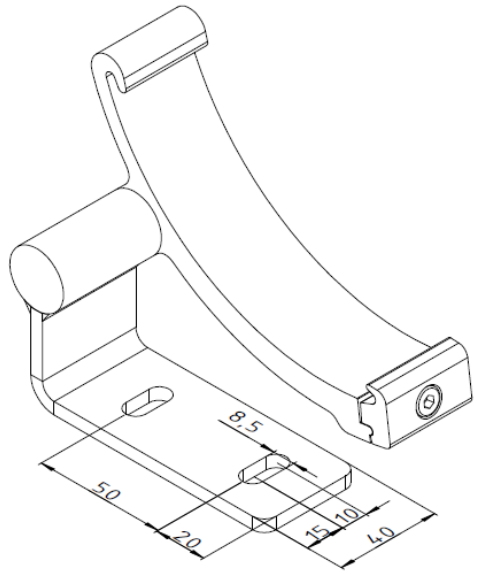
- veranda awning with mounting brackets for guides and cassettes,
- veranda awning in the wall version, with front posts,
- modular assembly using a common guide bracket,
- modular assembly using a common modular post.

NOTE: For threaded connections during assembly, use an anaerobic locking agent such as LOCTITE® 243 or another with the same properties.

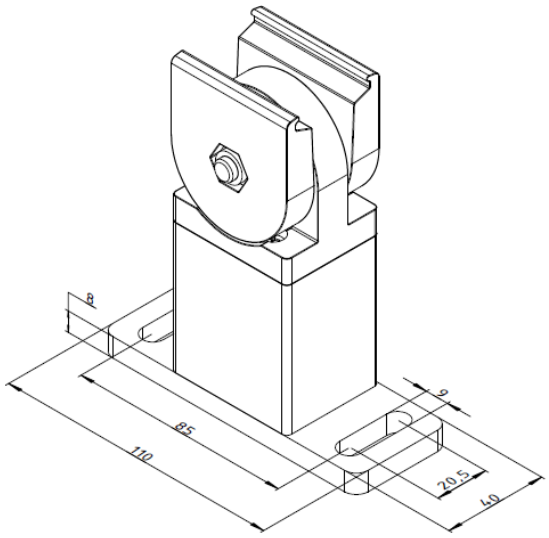
4.6.1 BRACKETS – DIMENSIONS



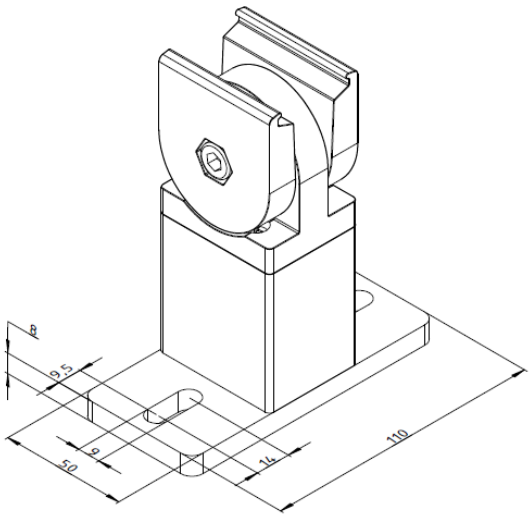
1. Vertical cassette bracket



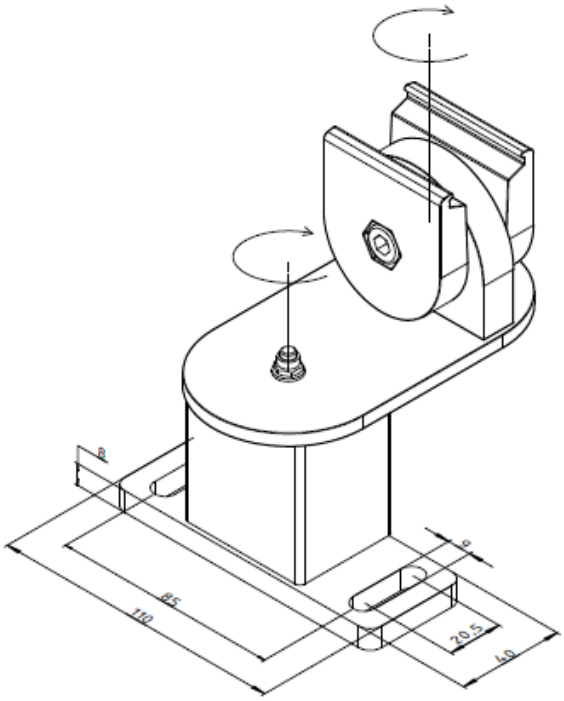
2. Horizontal cassette bracket



3. Guide rail bracket (Type A)

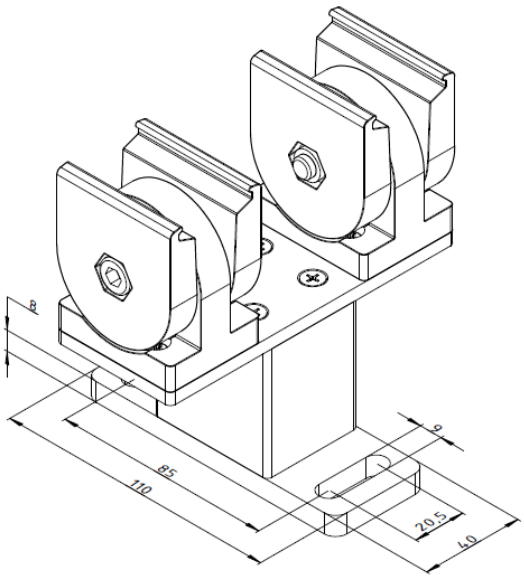


4. Transverse guide rail bracket (Type D)

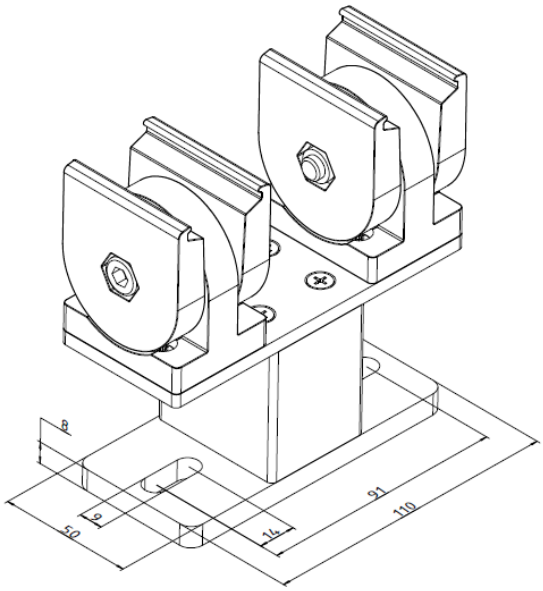


5. Rotatable guide rail bracket (Type B)

Note: The bracket can be used for max. 19,5 m2 of cover area.



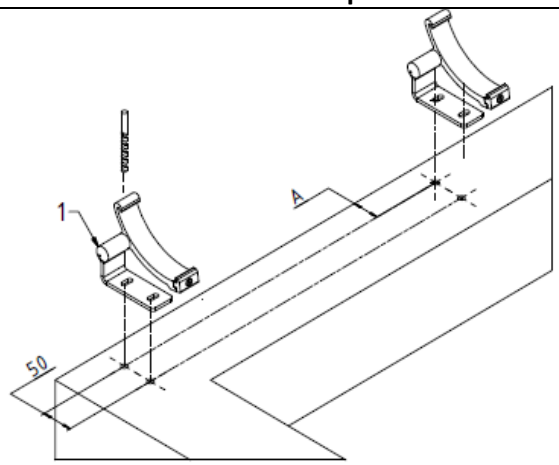
6. Modular guide rail bracket (Type C)



7. Modular transverse guide rail bracket (Type G)

4.6.2 INSTALLATION – VERSION WITH BRACKETS

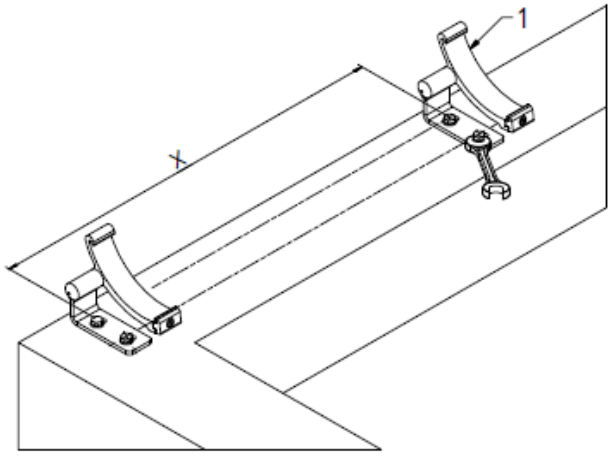
Perform steps 1 to 4 for mounting using cassette brackets.



1. Measure and drill the mounting holes for the cassette mounting (1). Dimension "A" should be selected according to the used mounting brackets. The spacing and number of brackets is closely related to the width of the system.

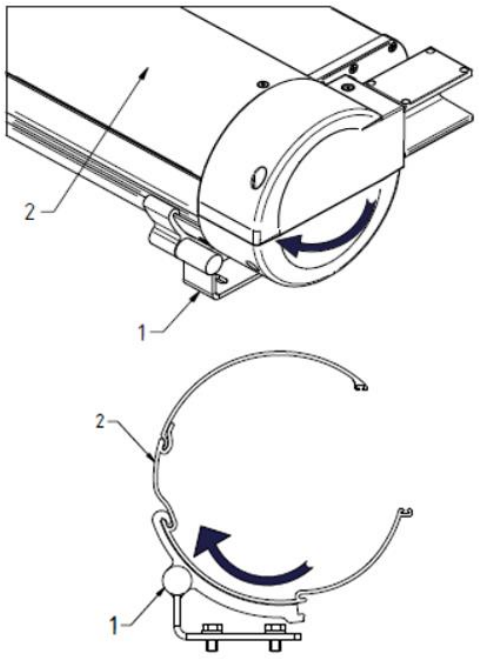
   NOTE: The brackets must not overlap the drainage holes in the cassette!

Fig. 1



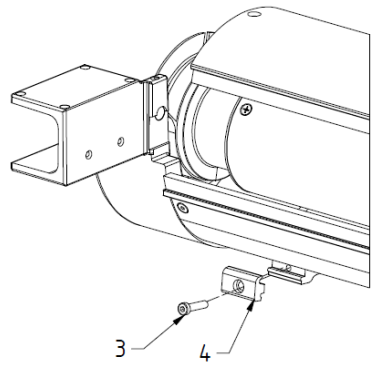
2. Install the cassette mounting brackets (1) with an anchoring product matched to the substrate.
   X – cassette mounting spacing (max. 1600 mm)

Fig. 2



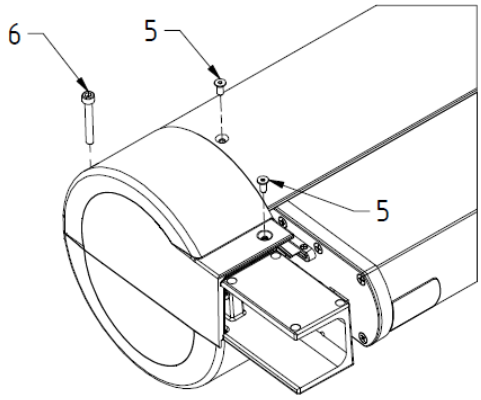
3. Install the complete cassette (2) on the cassette mounting brackets (1) in the direction of the arrow.

Fig. 3



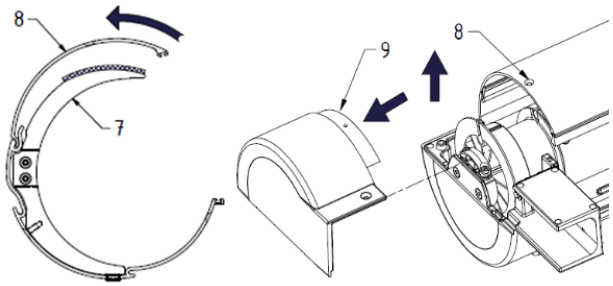
4. Tighten the supplied screws (3) M6 DIN 7984 to the mounting plate (4).
   Do this for all cassette brackets.

Fig. 4



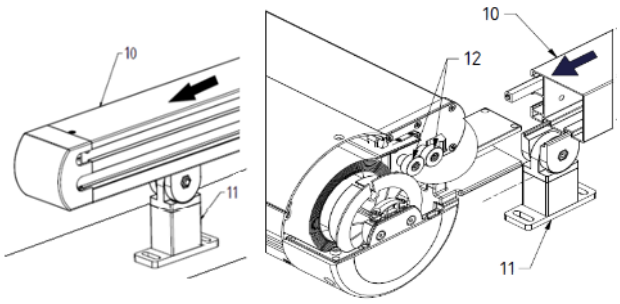
5. Remove the (5) M5 ISO-10642 and (6) M6 ISO-4762 screws. Perform the steps for both sides of the cassette.

Fig. 5



6. Open the revision (8), then remove the upper side of the cassette (9). After removing the element (9) lower the revision (8) on the stiffening of the cassette (7).

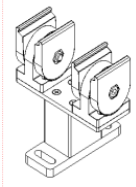
Fig. 6



7. Slide the guide rail (10) onto the two brackets (11) located at the end and the beginning of the guide. Slide the guide onto the U-shaped fork of the cassette (see Fig. 6) and onto the rollers of the front beam (12).
   Repeat the steps for the other guides.

Fig. 7

Note: <u>for modular assembly, use modular rail brackets (12) - as shown in the picture:</u>



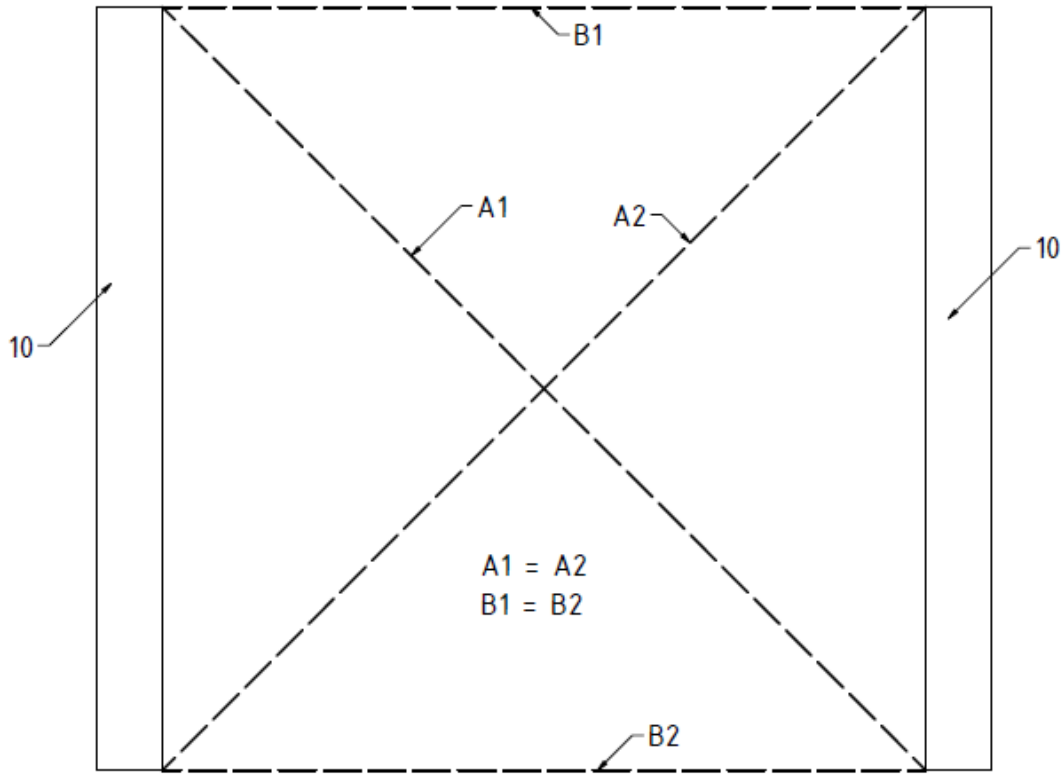
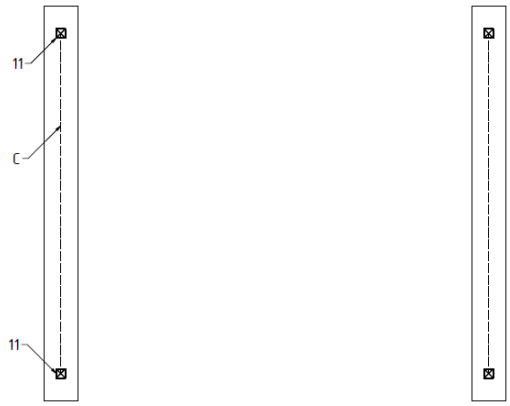


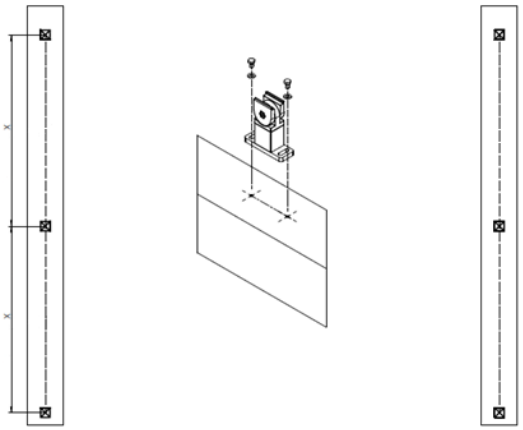
Fig. 8

8. Set both guides (10) parallel to each other. Measure the distances at the start and end of the guide rail (B1 and B2) along with measuring the diagonals (A1, A2). The condition for correct installation is the dimensional compliance between diagonals A1=A2 and dimensions B1=B2. In case of discrepancies, go back to point 7 and re-establish the guide brackets.



9. Mark the holes of the brackets (11). Dismantle the guide with the brackets and determine the center line "C" for mounting the brackets (11) - for both guides.

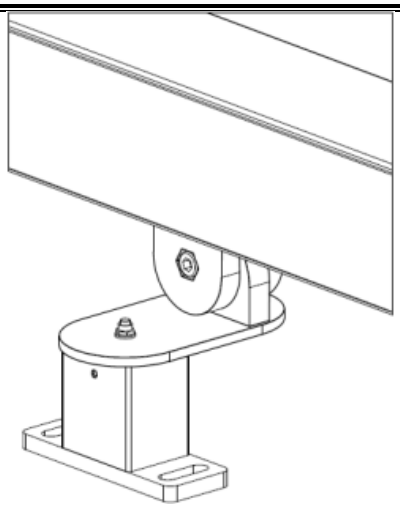
Fig. 9



10. Drill the holes and install the guide brackets in the designated places. Repeat the operation for the second guide.

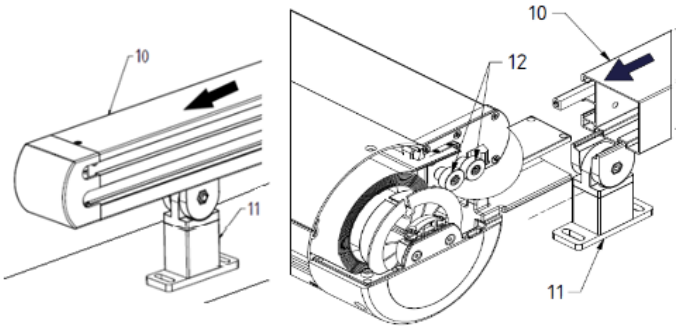
NOTE: the number of brackets is closely related to the projection of the system - the drawing shows the approximate spacing and quantity.

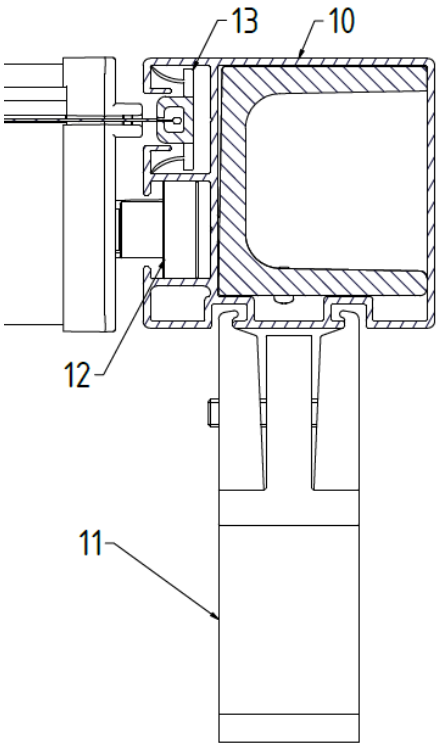
Fig. 10



11. **NOTE: When using a rotatable bracket (type B), the bracket should be set in such a way that the side of the bracket with the securing screw is on the outside of the system as shown in the picture on the right.**

Fig. 11





12. Slide the guide (10) onto the brackets (11), then onto the C-shaped fork of the cassette (see Fig. 6) and onto the rollers of the front beam (12). Slide the ZIIIP fabric zipper into the guiding profile (13) in the guide (10).
    Repeat the steps for both guides.

Fig. 12

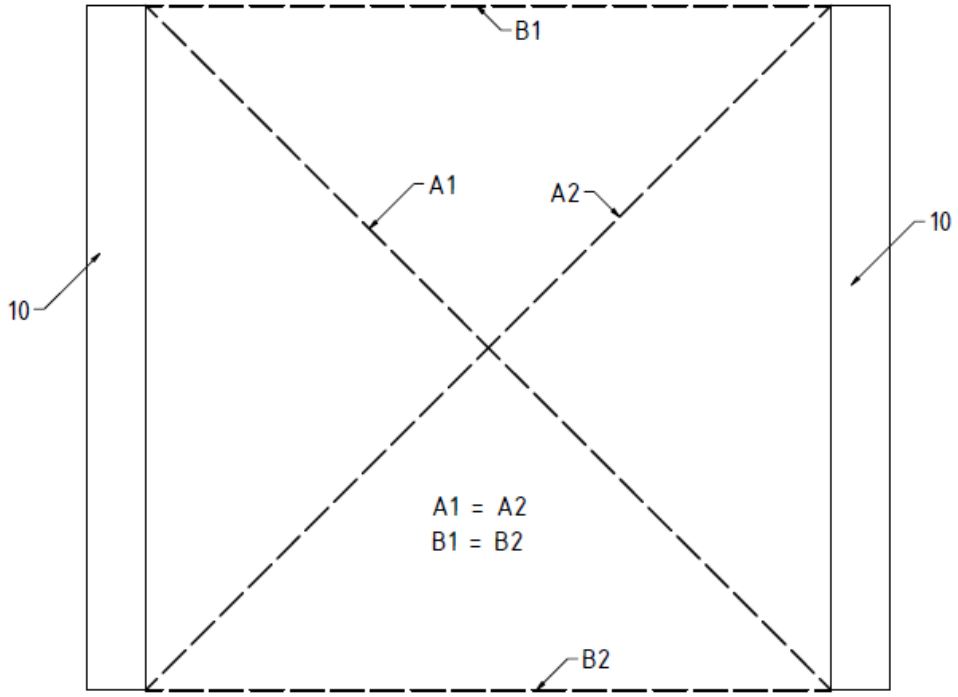


Fig. 13

13. Set both guides (10) parallel to each other. Measure the distances at the start and end of the guide rail (B1 and B2) along with measuring the diagonals (A1, A2). The condition for correct installation is the dimensional compliance between diagonals A1=A2 and dimensions B1=B2. In case of discrepancies, go back to step 7 and re-position the guide brackets.

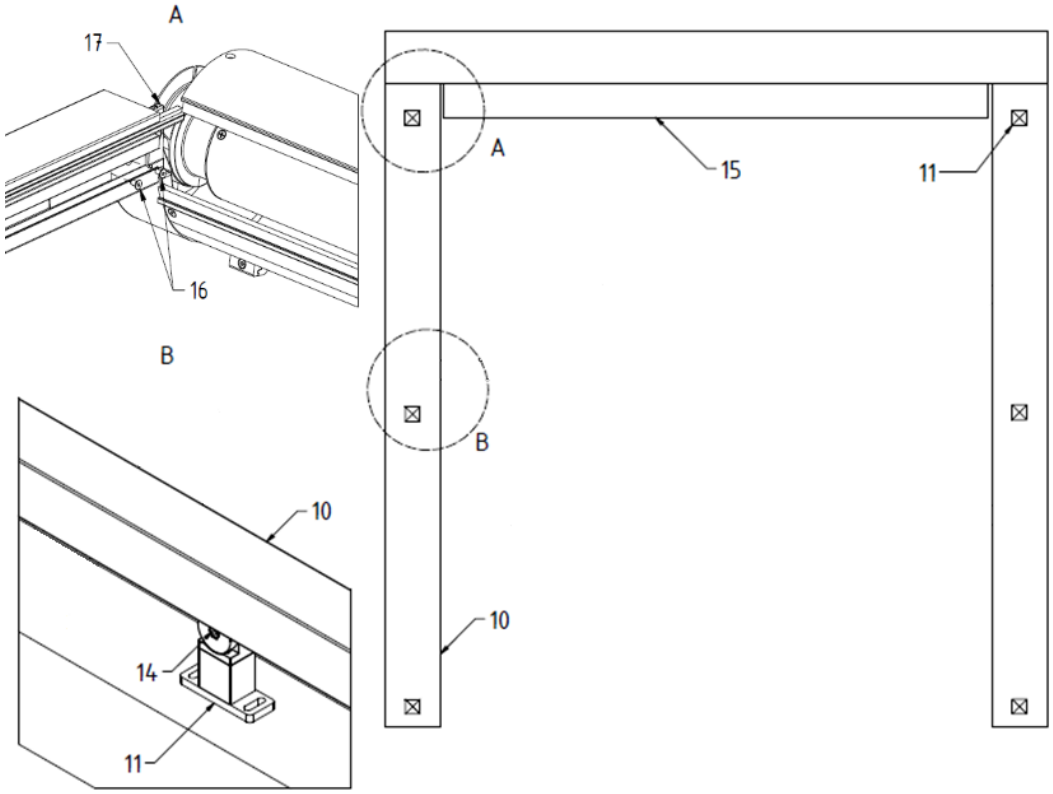
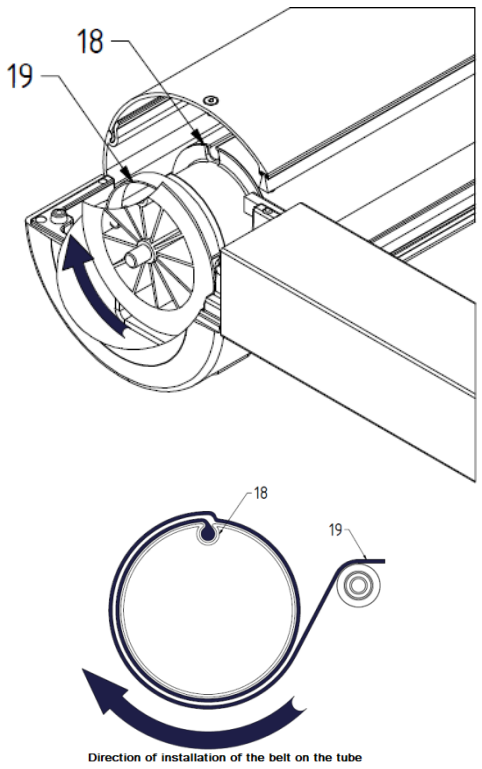


Fig.14

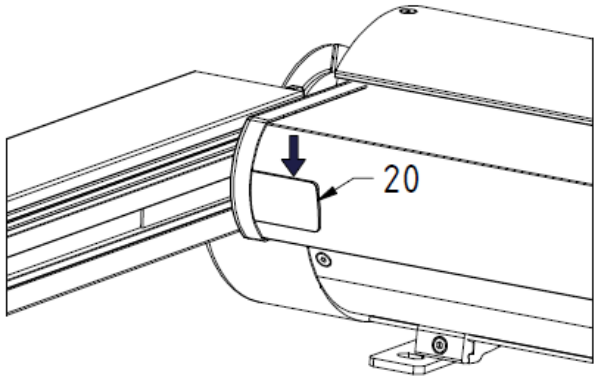
14. Tighten the jaws of the guide rail brackets (11) with the screws (14) M8 ISO-4762. Additionally, tighten the guides to the side of the cassette (17) with screws (16) M5x10 ISO-10642. Repeat the steps in the same way for the remaining guides.



15. Put the fabric tensioning belt (19) on the roller tube (18) by wrapping the tube from the bottom and at the same time fixing the end of the belt in the hole of the tube. Repeat the steps for the other side of the roller tube.

NOTE: At least one winding of the belt must be rolled on the roller tube !
The belt must be routed over the roller!

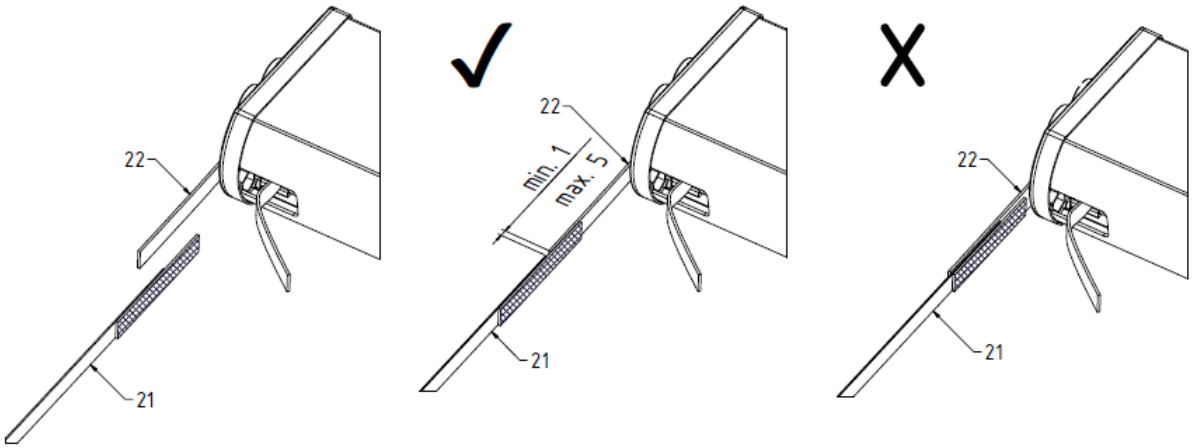
Fig. 15



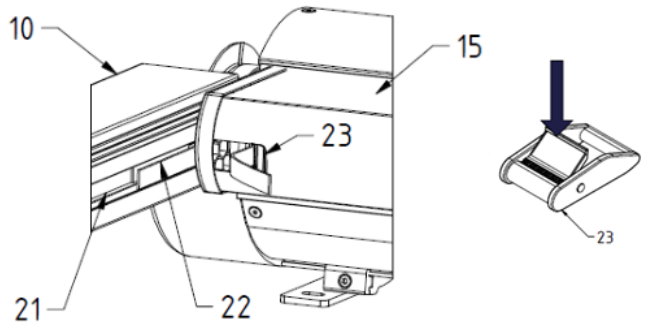
16. Using a flat end tool, press down on the belt lock plug (20) from above and pull off the plug. Repeat for the other end of the cassette.

Fig. 16

Fig.17



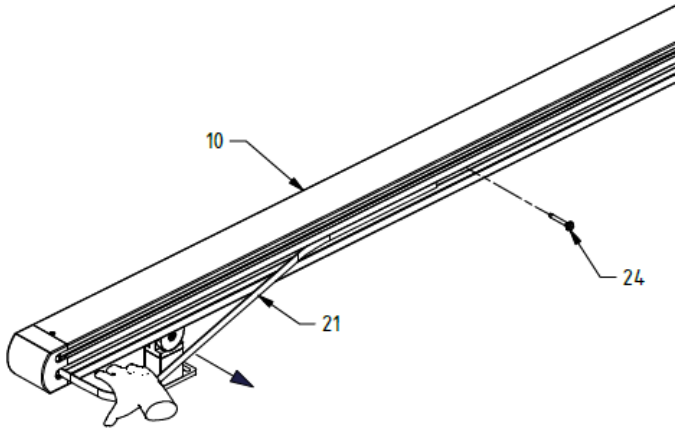
17. Connect the belt (21) with the Velcro strap (22). The Velcro strap (22) should be connected to the Velcro of the belt at a short distance from the end of the belt (21). The belt (21) should be connected in such a way that the belt, velcro and Velcro tape are not overlapped at the joint.



18. Use the Velcro tape (22) to insert the rest of the tape and pull the belt (21) through the front beam (15) and stretch it. Repeat for the other end of the cassette.

NOTE: remember to release the belt lock (23) by pressing the buckle in the front beam (arrow).

Fig. 18



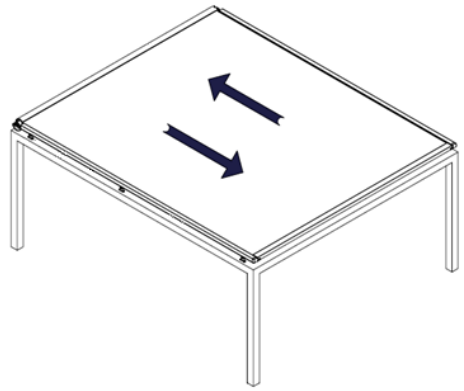
19. Pull the belt (21) out of the lower groove of the guide (10) and pull it strongly in the direction of the arrow until the moment when the gas spring works (the piston rod of the gas spring is withdrawn) - in order to easily unscrew the pin (24). Unscrew the gas spring locking pin (24) with a flat end tool. After unscrewing the pin locking the spring, do not release the belt at the end of the guide before tightening the belt at the front beam!

Pull the belt through the front beam until the belt is hidden in the groove of the guide. Repeat for the other end of the cassette.

NOTE: The activity should be performed by two people!
One person stretches the belt at the front beam, while the other loosens the belt at the end of the guide.

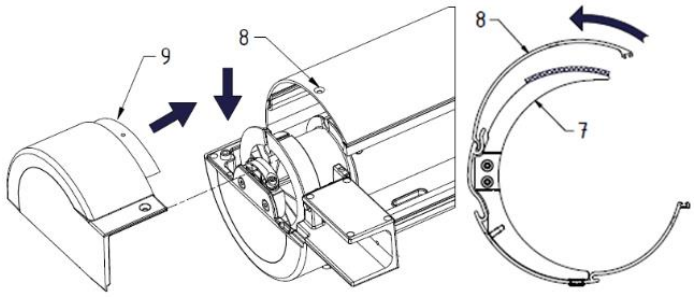
NOTE: Risk of damage to the palm surface from the pressure of the edge of the belt.

Fig. 19



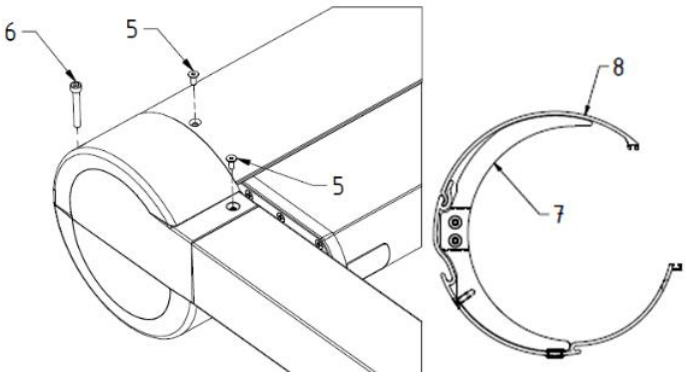
20. Completely open and close the system. At the same time, set the end positions of the system yourself - in accordance with the instructions for use for the motor - Fig. 20.

Fig. 20



21. Open the revision (8), remove the protective foil from the double-sided tape glued to the stiffeners (7) and then mount the upper side of the cassette (9). Repeat for the other end of the cassette.

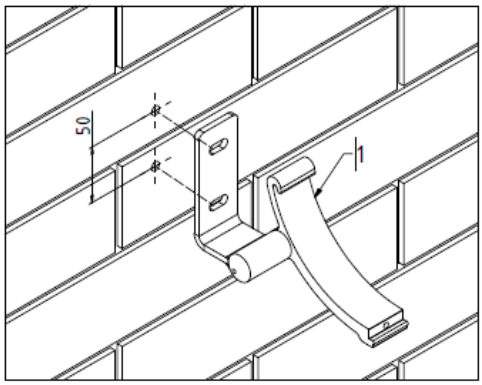
Fig. 21



22. Tighten the screws: (5) M5 ISO-10642 and (6) M6 ISO-4762. Perform the steps for both sides of the cassette.
Press the revision (8) firmly against the stiffeners (7) for about 15 seconds in order to glue these elements together.

Fig. 22

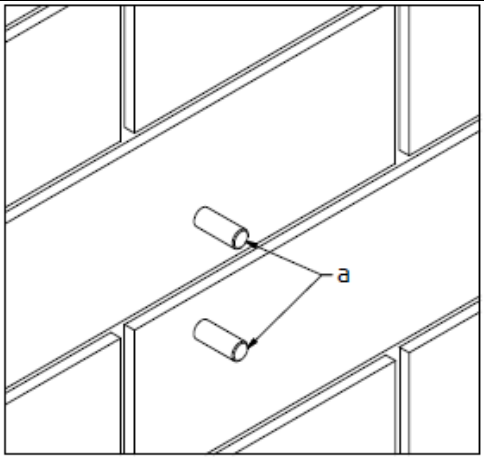
4.6.3 INSTALLATION - WALL VERSION (WITH FRONT POSTS)



23. Measure and drill the mounting holes for the cassette mounting brackets (1). The spacing and number of brackets is closely related to the width of the system - Fig.23. The axial distance between the brackets must not exceed 1600 mm.

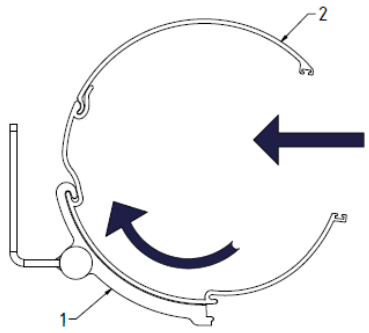
NOTE: The brackets must not overlap the drainage holes in the cassette!

Fig. 23



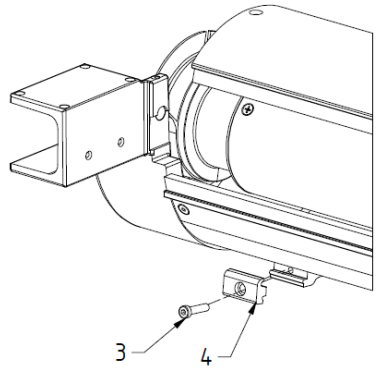
24. Install anchors (a) selected for the type of substrate - fig.24. Tighten the cassette mounting brackets (1).

Fig. 24



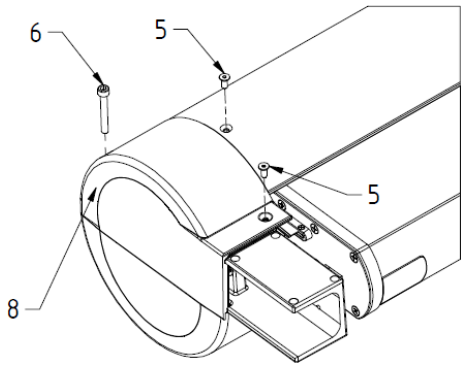
25. Install the complete cassette (2) on the cassette mounting brackets (1) in the direction of the arrows.

Fig. 25



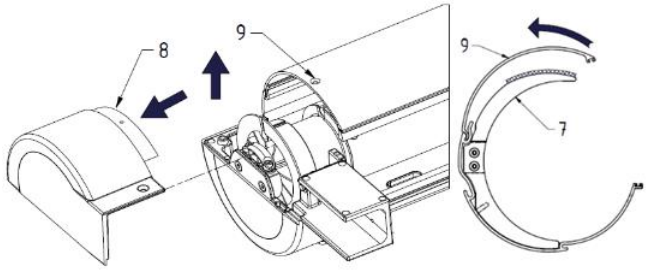
26. Tighten the M6 ISO-7984 screws (3) to the mounting plate. Do this for all cassette brackets.

Fig. 26



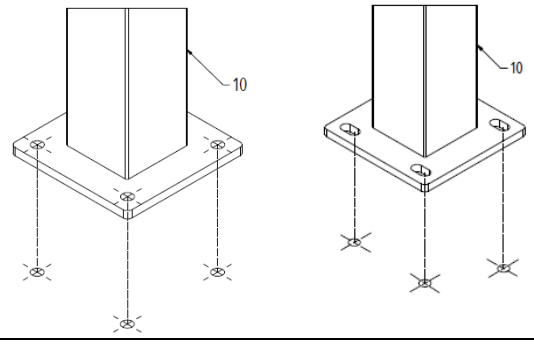
27. Remove the M5 ISO-10642 (5) and M6 ISO-4762 (6) screws securing the upper side of the cassette (8). Perform the steps for both sides of the cassette. Remove the (5) M5 ISO-10642 screws connecting the revision with the side of the cassette.

Fig. 27



28. Open the revision (9), then remove the upper side of the cassette (8).

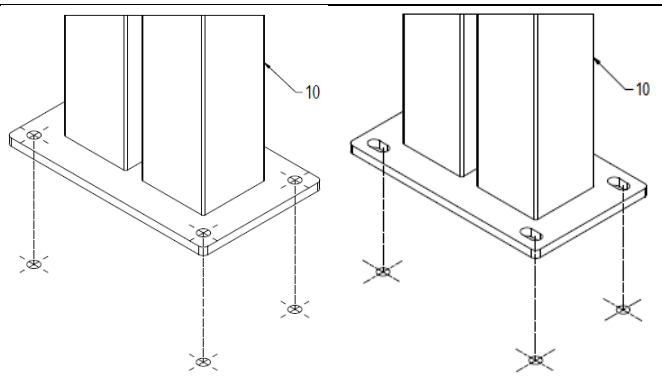
Fig. 28



29. Measure and drill holes for anchors for mounting the front post (10)- fig. 29.

NOTE: The spacing of posts is related to the width of the system. The selection of anchors depends on the type of substrate. Maximum diameter of the threaded part M10.

Fig. 29

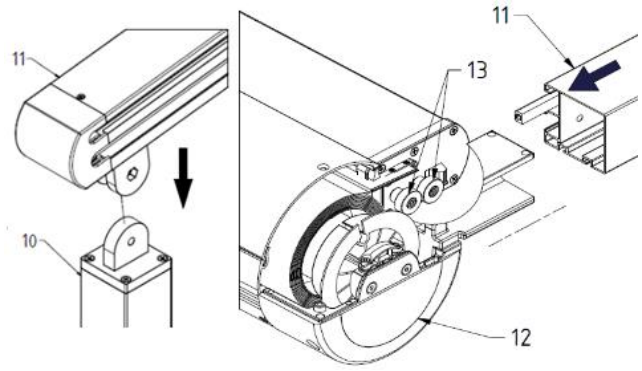


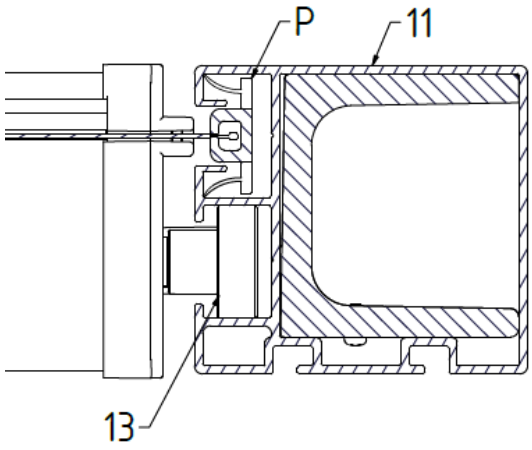
NOTE: **In case of modular installation**

30. Measure and drill holes for anchors for mounting the front post (10) - Fig. 30.

NOTE: The spacing of posts is related to the width of the system. The selection of anchors depends on the type of substrate. Maximum diameter of the threaded part M10.

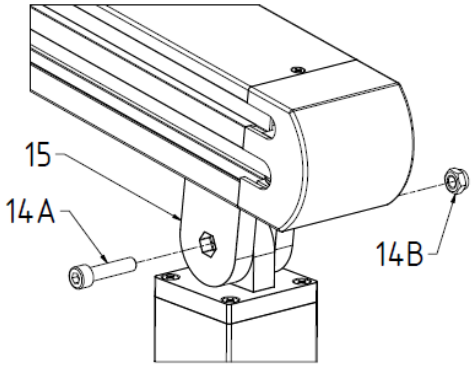
Fig. 30





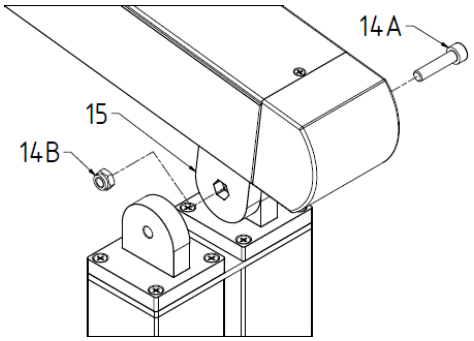
31. Slide the guide (11) onto the front post (10) and the rollers of the front beam (13) - fig. 31.
Slide the ZIIIP fabric zipper into the guide profile (P) located in the guide (11).
Repeat the steps for both guides.

Fig. 31



32. Screw the post fastening (15) with the bolt (14A) M8 ISO-4762 and the nut (14B) M8 ISO-10511 - fig. 32.

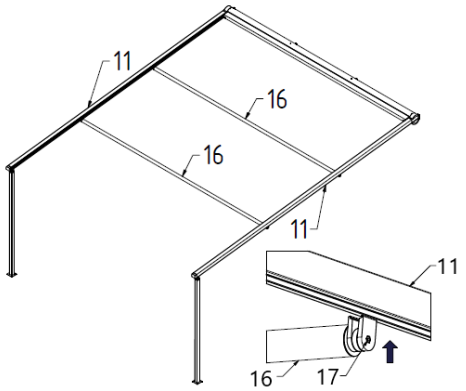
Fig. 32



NOTE: **In case of modular installation**

33. Screw the pole fastening (15) with the bolt (14A) M8 ISO-4762 and the nut (14B) M8 ISO-10511 - fig. 33.

Fig. 33



34. Install the support beams (16) with the jaws into the guide (14) from below and lightly tighten the screw on both sides (17) M8 ISO-4762-fig. 34.

Fig. 34

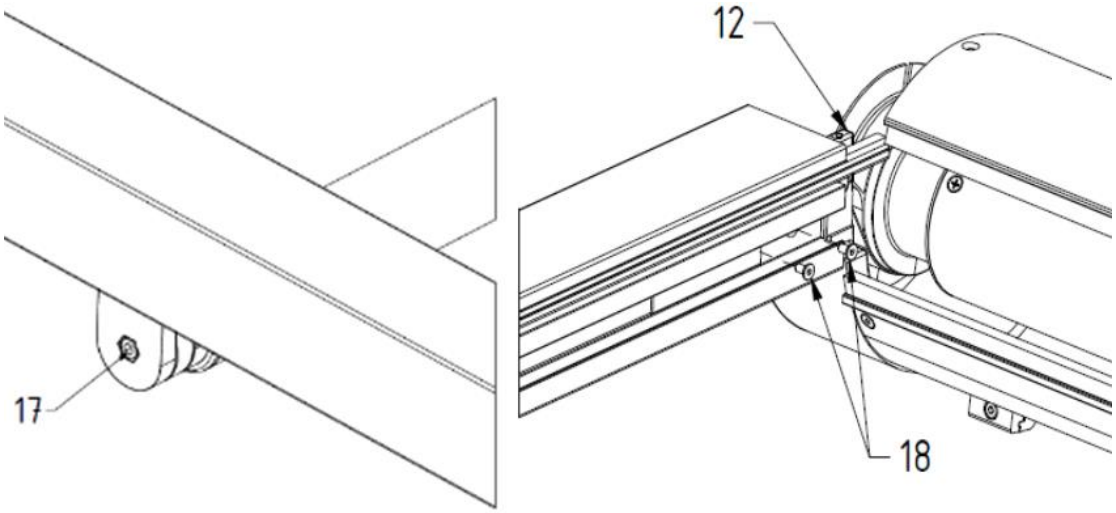


Fig.35

35. Tighten the jaws of the support beam (16) with the screws (17) M8 ISO-4762. Additionally, tighten the guides to the side of the cassette (12) with screws (18) M5x10 ISO-10642. Repeat the steps in the same way for the remaining guides.

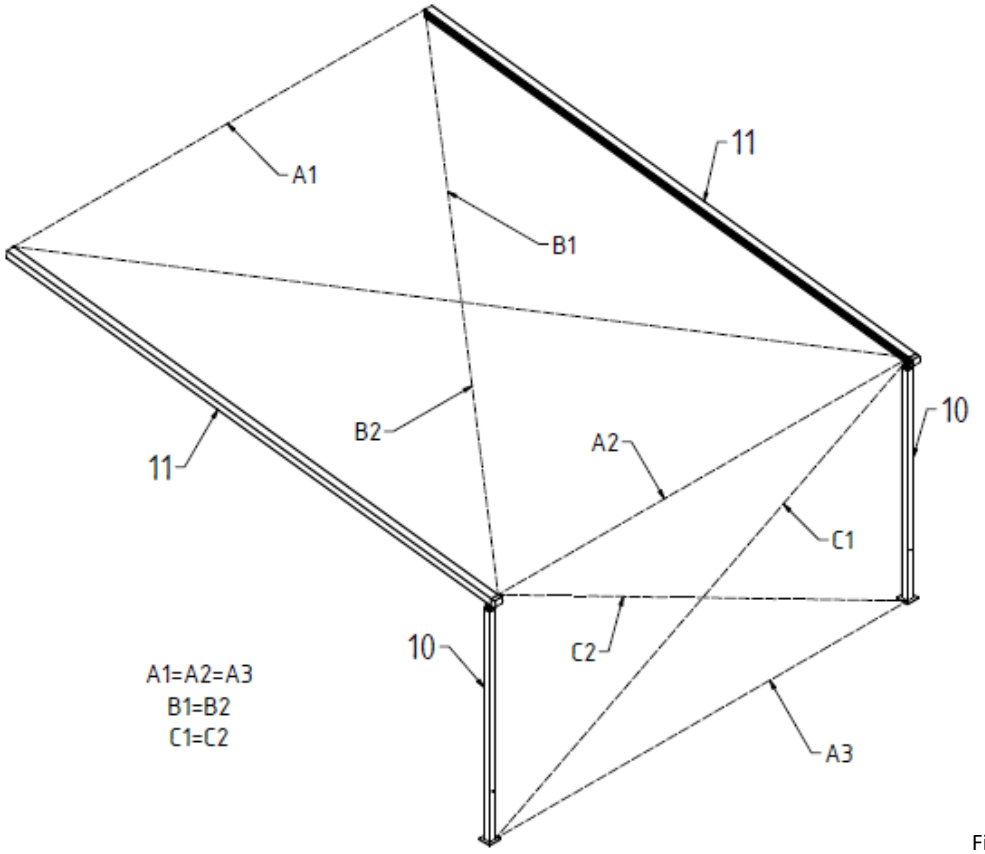
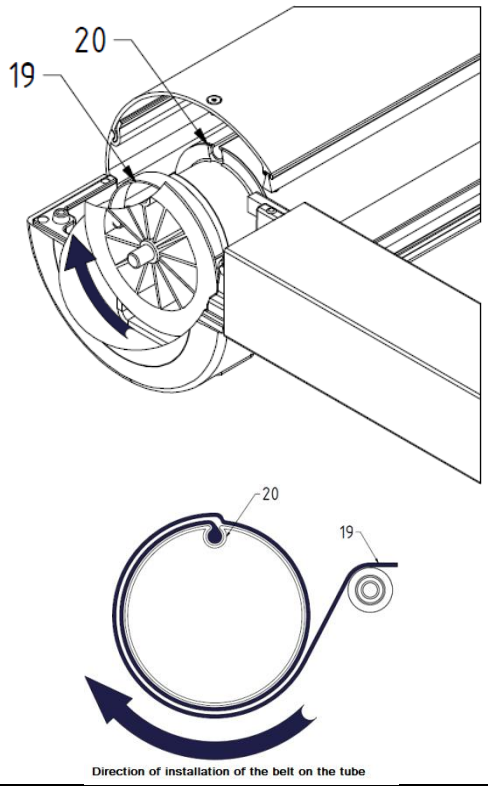


Fig. 36

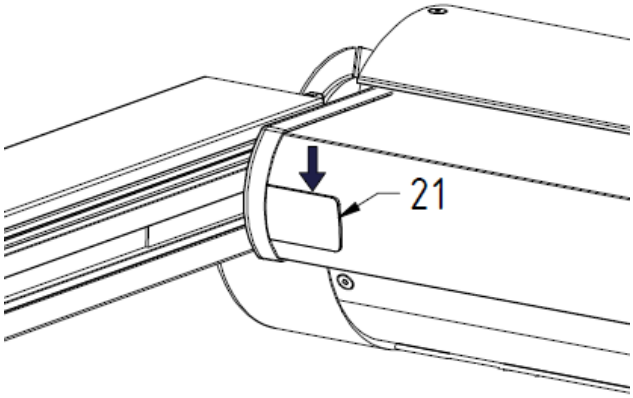
36. Set the posts vertically and measure the distances of the diagonals between the guides (11) - dimensions B1 and B2 and between the ends of the posts (10) - dimensions C1 and C2 - Fig. 36. The condition for correct installation is the dimensional compliance between the diagonals C1=C2 and B1=B2 and axial dimensions A1=A2=A3.



37. Put the fabric stretching belt (19) on the roller tube (20) by wrapping the tube from the bottom and fixing the end of the belt in the hole of the tube - Fig. 37. Repeat the steps for the other side of the roller tube.

NOTE: At least one winding of the belt must be rolled on the roller tube !
The belt must be routed over the roller!

Fig. 37



38. Using a flat end tool, press down on the belt lock plug (21) from above and pull off the plug - fig. 38. Repeat this step for the other end of the cassette.

Fig. 38

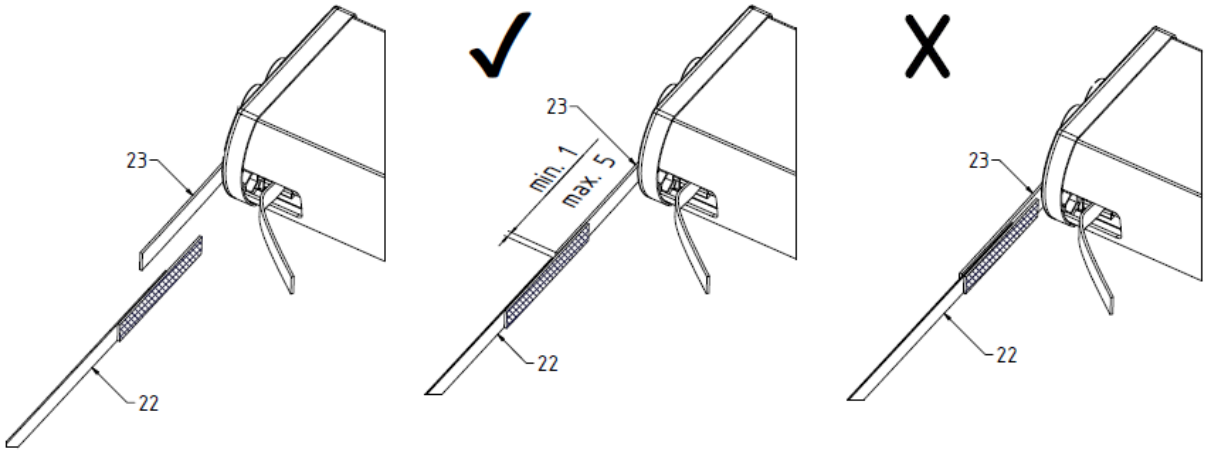
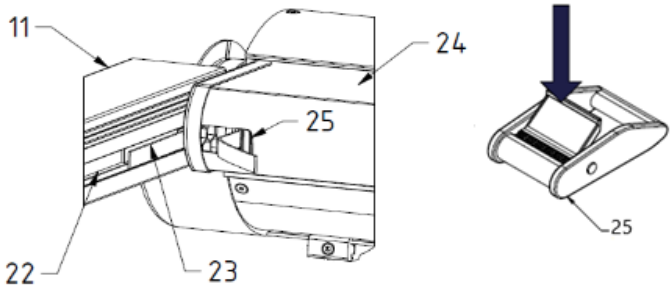


Fig.39

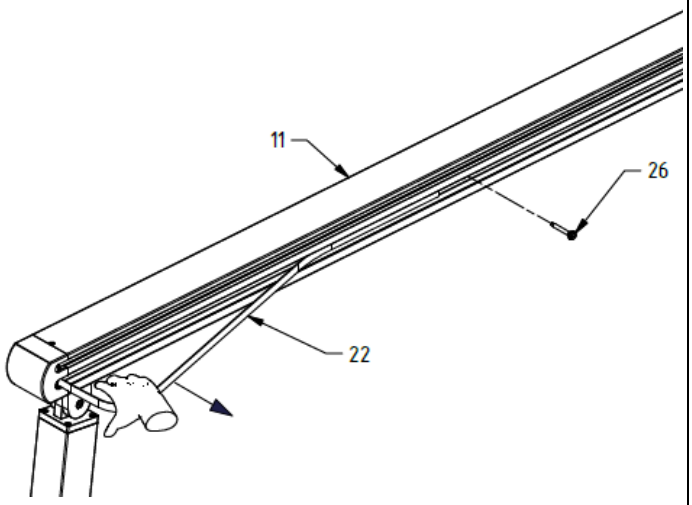
39. Connect the betl (21) with the Velcro strap (22). The Velcro strap (22) should be connected to the Velcro of the belt at a short distance from the end of the belt (21). The belt (21) should be connected in such a way that the belt, velcro and Velcro tape are not overlapped at the joint.



40. Use the Velcro tape (23) to insert the rest of the tape and pull the belt (22) through the front beam (24) and stretch it - fig. 40. Repeat for the other end of the cassette.

NOTE: remember to release the belt lock (25) by pressing the buckle in the front beam (arrow).

Fig. 40



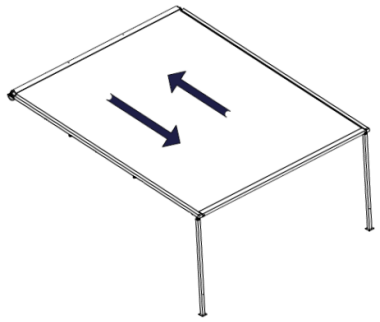
41. Pull the belt (21) out of the lower groove of the guide (10) and pull it strongly in the direction of the arrow until the moment when the gas spring works (the piston rod of the gas spring is withdrawn) - in order to easily unscrew the pin (24). Unscrew the gas spring locking pin (24) with a flat end tool. After unscrewing the pin locking the spring, do not release the belt at the end of the guide before tightening the belt at the front beam!

    Pull the belt through the front beam until the belt is hidden in the groove of the guide.
    Repeat for the other end of the cassette.

    NOTE: The activity should be performed by two people!
    One person stretches the belt at the front beam, while the other loosens the belt at the end of the guide.

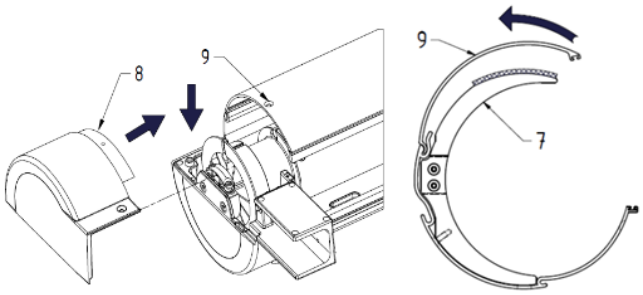
    NOTE: Risk of damage to the palm surface from the pressure of the edge of the belt

Fig. 41



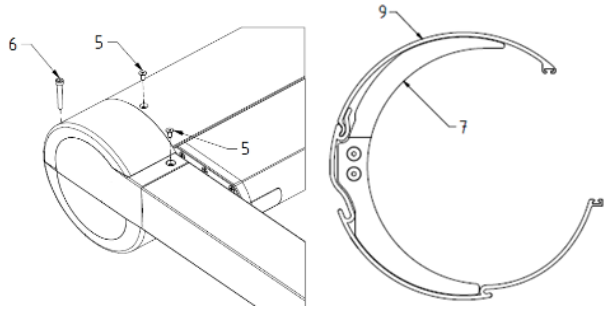
42. Completely open and close the system- fig. 42. At the same time, set the end positions of the system yourself - in accordance with the instructions for use for the motor.

Fig. 42



43. Open the revision (9), remove the protective foil from the double-sided tape glued to the stiffeners (7), and then mount the upper side of the cassette (8). Repeat for the other end of the cassette.

Fig. 43



44. Tighten the screws: (5) M5 ISO-10642 and (6) M6 ISO-4762. Perform the steps for both sides of the cassette.
    Press the revision firmly (9) against the stiffeners (7) for about 15 seconds in order to glue these elements together - fig. 44.

Fig. 44

4.7 ELECTRIC DRIVE

4.7.1 CONNECTION TO ELECTRICAL INSTALLATION

When the Pergola V ZIIIP is assembled one should proceed to connection of drive and control system to the previously prepared systems: electrical supply installation and control system.

Connection to the power supply electrical system should be made on the basis of a previously prepared individual wiring diagram, taking into account the recommendations contained in the operation and maintenance manual of the motor driving the product.

General guidelines for safe connection:

- the connection should be carried out by the electrician holding electrical qualifications,
- observe the Occupational Health and Safety regulations during connection,

The electrical connection and setting of the motors must be carried out in accordance with the instructions of the motor manufacturers. The instructions are attached to the product and are also available on the websites of motor manufacturers and on the website:

https://www.selt.com/automatyka-en

Incorrect connection of the motor may damage the product or create a threat to life and health.

4.7.2 START-UP AND ADJUSTMENT

Recommendations and actions:

- end positions (roof cover movement up and down) are secured with limit switches that must be adjusted during installation,
- person adjusting the limit switches should have electric licenses, knowledge and experience,
- adjustment of the limit switches should be made in accordance with the motor's operation and maintenance manual,
- before starting the product, electrical measurements should be made by a person with appropriate qualifications,
- it is forbidden to start the driving motor without checking correct fixing of the system,
- after turning it on with the switch, do not remove the casing, do not lean against the product or leave any tools on it.

When starting-up the mobile roof, particular attention should be paid to:

- correct and parallel unfolding and folding of the fabric and front beam of the movable roof,
- correct operation of the limit switches.

Unauthorized adjustment of the limit positions by an untrained person may damage the product.

5 SYSTEM OPERATION AND PRODUCT SAFETY

The product can be used only if it is free from defects.

5.1 GENERAL REQUIREMENTS FOR OCCUPATIONAL HEALTH AND SAFETY

- To ensure correct operation of the product SELT Sp. z o.o. forbids making any structural changes; non-observance of the above condition releases the manufacturer from the liability for the product and the warranty will be invalidated.
- During transport, assembly and disassembly and during servicing and maintenance of the product you should observe applicable occupational health and safety regulations and environmental protection rules.
- The product should be maintained and repaired only by a trained person with proper authorizations (trained).
- Product purchaser should ensure that person, which are entrusted with the operations related to the routine operation, maintenance and hygiene have been familiarized with the user's manual and are observing all guidelines contained in this manual.
- It is forbidden to clean the product in the other way than described in the point "Technical inspections and repair."
- All work must be carried out with due diligence, taking into account safety requirements.
- All work must be carried out with due diligence, taking into account safety requirements.
- Observe marking on the product (e.g. pictograms, arrows for movement direction).
- Pay attention not to cover the marking with a coat of paint or damaged in a way that prevents its reading.
- It is recommended that modification of the electrical design or change of equipment configuration be consulted with SELT Sp. z o.o.
- The switch should be installed on a height conforming the national regulations applying to disabled people.

5.2 SAFETY REQUIREMENTS RELATED TO SPECIAL CONDITIONS AND PLACES OF PRODUCT USE

Specific safety requirements relate to children up to 42 months. Essential requirements for use are applicable in all locations, to which children have access or where they could be present.
Specific requirements for operation are applicable also in all locations where the disabled people stay.

Prior operation the Purchaser should carry out an individual risk assessment for the operation of the product with special attention paid to the safety of children and disabled people.

It is essential to take account of reasonably foreseeable conditions of operation and potential threats during defining performance requirements for the product.

Do not allow children to play with the roof controls. Remote control equipment should be kept away from children.

Often inspect the system with respect to the signs of wear and tear or cable damages. Do not use the product if repair is necessary.

5.3 OPERATIONAL SAFETY

Recommendations and actions:

- the product is safe to use provided that the recommendations contained in the documentation are followed,
- it is forbidden to use the product not conforming to the requirements related to electric shock and fire safety,

- remote control equipment should be kept away from children,
- it is forbidden to use a technically faulty product and make makeshift repairs,
- it is forbidden to exceed certain operating parameters of the product specified in the technical and operational documentation,
- the working time of the electric motor is strictly defined and cannot exceed 4 minutes, detailed data are available on the website of the motor manufacturer or https://www.selt.com/automatyka-en), exceeding the specified working time of the motor may lead to its permanent damage,
- it is forbidden to use a faulty or incomplete product, the use of such a product may cause its destruction, pose a threat to the health and life of the user and may void the warranty.
- it is forbidden to remove the covers of the drive system and the electric motor,
- do not keep any sharp objects or protruding parts near the covers, which may catch on the fabric and damage it,
- all work related to the inspection and repair of the product should be carried out by a suitably trained person with the required qualifications,
- it is forbidden to use the product and electrical installation without valid and required inspections and measurements,
- product should be disconnected from electrical installation prior to any works related to maintenance or cleaning
- in case of works on facade finish of the building, to which the system is anchored, you should disconnect it from the supply,
- in the event of starting the movable roof drive from a place out of sight, the user should take organizational measures to prevent the system from being activated during repair and maintenance activities carried out in the vicinity (e.g. by placing a plate on the switch "Caution, renovation and maintenance work. Do not start", removing the battery from remote control device),
- pay attention to any signs of wear or damage to the electrical wiring,
- if you notice signs of wear or damage to the electric wires, do not use the product and immediately report the defect to an authorized person or to the SELT service,
- entering and staying in the working area of the movable roof should only take place when it is fully opened and stopped,
- when unfolding the product cover, pay special attention that no object or person is in the product's working area (in the space between the guide beams, support beams and the front beam),
- do not roll wet fabric (cover),
- avoid contact of the fabric with hot objects (e.g. heaters, stoves, irons, chimneys, etc.) or placing sources of convection heat under the fabric (e.g. stoves, cookers, grills, etc.), which may damage the cover fabric,
- In the event of loss of belt tension in the guides, it is recommended to contact Selt service for re-tensioning.

In the case of loosening the belt (an action not performed by the Customer), use force to press the belt buckle lock in the front beam. Unlocking causes a jump that can cause finger injuries.

Do not use the product in the event of strong gusts of wind, during snowfall, rain, because the product may be destroyed or damaged and may endanger people in the vicinity (applies to products installed outside the building). It is recommended to use wind automation to help meet safety conditions.

STARTING THE PRODUCT IN FROST CONDITIONS MAY DAMAGE THE PRODUCT

If any abnormalities in product operation are detected then you should immediately inform the SELT Sp. o.o. service. Using damaged product and self-repairs pose a hazard for health and life and could be a reason of warranty invalidation.

5.4 MISUSE OF THE SYSTEM

System operation - prohibited activities

- In the event of a defect, it should be reported to the supplier and further use of the product is forbidden.
- Discontinue use of the product if there are signs of wear or damage to the electrical wires and immediately report any objections to the supplier.
- Stop using the product in the event of signs of wear or damage to the conveyor belt and immediately report any objections to the supplier.
- Do not stay in the working area of the movable roof while the system is operating.
- Do not use a faulty or incomplete system. The use of such a product may cause its destruction and pose a threat to the health and life of the user and may void the warranty.

- It is forbidden to use the product not conforming to the requirements related to electric shock and fire safety.
- It is forbidden to exceed specified parameters of product operation given in the operation and maintenance documentation.
- Do not keep any sharp objects or protruding parts near the system, which may catch on the product and damage the paint coating.

Persons authorized for operation

- Do not allow children playing with components intended for control of the system e.g. remote controller or switch.
- Remote control should be kept away from children.

The work area of Pergola V ZIIIP: crushing, cutting and pulling threat

- Do not touch the movable elements when rolling up or unrolling the movable fabric. This can cause crushing, cutting, pulling in, wedging between e.g. the front beam and other structural elements of the system (including support beams).
- Within the working area of the movable cover, there should be no obstacles that could interfere with its operation or cause its damage.
- In the event of the front beam approaching an obstacle, first roll up the fabric a little and then remove the obstacle.
- Do not stay in the movement area of the cover during its operation.
- It is forbidden to put hands between moving elements, i.e. roller-belt, cassette-front beam.

Automatically controlled products may start up on their own. Make sure that no dangerous situation arises.

6 SYSTEM USE AND MAINTENANCE

6.1 USING THE PRODUCT IN ACCORDANCE WITH ITS INTENDED USE

The system should be used in accordance with its intended use specified by the manufacturer. If the system is operated and modified in another way than described in this documentation the system manufacturer has a base to dismiss warranty claims.

Products manufactured by SELT Sp. z o. o. they do not require special maintenance. Using the product in accordance with the manufacturer's instructions ensures long-term and trouble-free operation for the system user.

If the product is used in a manner other than described in this documentation or modified without the authorization of SELT Sp. z o. o. then it is misused. Unauthorized changes affecting the operational safety of the product are not allowed.

The correct use of the product includes:

- normal use or foreseeable use, which does not include, for example, risks assumed by the user intentionally or knowingly,
- application of the permissible values of operating parameters,
- compliance with operating instructions,
- performing periodic inspections and maintenance of the product,
- data contained in the "Technical specification" section.

In case of misuse:

- the product may endanger the operating personnel,
- the product will be exposed to damages,
- this may adversely affect its functionality,
- do not use the system during maintenance or repair work.

SELT Sp. z o.o. shall not be responsible for damages caused by misuse.

Operating the system out of sight can cause serious injury as well as damage to the system.

6.2 INSTRUCTION FOR NON-PROFESSIONALS

Non-professionals are persons entrusted by the Buyer with activities related to the current use, hygiene and maintenance of the product.

Read carefully this document before using the product.

In-depth knowledge of the documentation ensures failure-free operation of the product.
List of operations which can be carried out by non-professionals:

- Current service:
  - performing activities that do not affect the change of the product's operating parameters,
  - switching on and off by pressing the control buttons,
- maintenance and hygiene of the product described in the further part of the documentation.

6.3 TECHNICAL INSPECTIONS AND REPAIRS

Due to the safety of users and the maximum long, correct operation of all mechanisms, the product should be subjected to periodic technical inspections at least every 12 months.

- It is recommended to carry out periodic inspections of products by SELT Sp. z o.o.
- Inspections are performed for a charge.
- Inspections consist in checking the operation of the product, adjusting mechanisms and replacing elements that wear out during its operation.

6.3.1 BASIC ACTIVITIES PERFORMED DURING THE PERIODIC INSPECTION.

List:

- checking the fixing of the product to the ground / wall,
- checking the technical condition of the moving parts of the product,
- lubrication of drive elements specified in the technical and operational documentation,
- checking the condition of the product's electrical wires and checking their connection to the electrical system,
- checking the condition of the gas springs and the tension of the transmission belt and their possible correction,
- checking the condition of the conveyor belt,
- checking the condition of rollers with bearings,
- checking bolt and rivet connections,
- checking the technical condition of the movable roof, guides and gaskets,
- checking the fastening of the product drive mechanism (motor),
- possible adjustment and improvement of fastening of the mentioned subcomponents,
- checking the effectiveness of the residual current circuit breaker,
- checking the patency of the drainage holes.

6.3.2 NOTES ON CURRENT MAINTENANCE

The current maintenance of the system is carried out by the user on their own.
Product maintenance should be performed at least once a year. Maintain the drainage elements' patency once a week and each time after heavy rainfall.

If the product is located in a wooded area and is heavily polluted, check the patency of the drainage outlets and the cleanliness of the guide rails every day.

The maintenance of the visible (accessible) elements of the product consists primarily in keeping them clean, which significantly extends their life. These works are performed by the user on their own.

The basic activities involving the maintenance of the product are:

- checking the correctness of unfolding and rolling up the fabric,
- checking the correct operation of the limit switches,
- cleaning visible, accessible elements of the product (in particular, the track in the guide beams, the drainage holes in the cassette, the surface of the fabric).

Cleaning of metal/aluminium elements:

- It is recommended to clean lightly soiled metal / aluminum surfaces with water with the addition of mild detergents.

Cleaning the movable roof fabric (cover):

- It is recommended to remove impurities by gently brushing or vacuuming the surface of the fabric,
- occasional cleaning of the fabric with clean water or a mild solution of water and soap (max. water temperature 300C), after using the above-mentioned rinse the fabric thoroughly with clean water,
- dry the fabric thoroughly before rolling it up,
- do not use any solvents or strong detergents to clean the fabric, it is forbidden to wash fabrics.

For inspection or maintenance of electrical equipment, the system should be safely disconnected from the power supply.

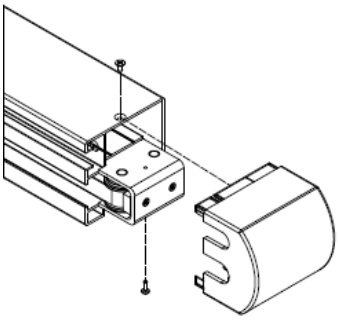
System damage due to inadequate ongoing maintenance.

- It is not allowed to use a pressure washer, as well as cleaning agents, sponges and solvents, e.g. alcohol and petrol!
- It is forbidden to use cleaning agents containing chlorine, ammonia, kerosene, acetone and bleach to clean the system or in its vicinity, as this will cause the risk of corrosion.
- It is forbidden to use sharp tools (e.g. wire brushes), cleaning agents that cause scratches (e.g. scouring powders, pastes).
- Do not hold or pull the system or its individual components firmly.
- Do not allow snow or water to load the fabric of the product.
- Do not start the mechanism in the event of frost or icing - this may result in damage to the drive and the product's tensioning system.
- Do not replace individual components yourself! Spare parts should be original!
- The system must be tested! Pay attention to the operation of the system, and in the event of unusual behavior and noises, report the problem to the direct supplier.
- Ongoing maintenance work should be carried out on a fully opened system.

6.4 MAINTENANCE

In order to ensure proper operation of the Pergola V system, it is necessary to regularly check whether the guide has accumulated deposits or other objects preventing the free movement of the front beam.

1. Close the product.
2. Disconnect from power.
3. Remove the ISO-7045 screw and the ISO 7050 screw securing the guide end cap, then remove the guide end cap.
4. Remove debris from the guides in direction from the cassette to the end of the guide.
5. Replace the plug and secure it with an ISO-7045 screw and an ISO 7050 screw.



It is forbidden to start the product with the guide cap removed, it may damage the product or create a hazard.

6.5 GENERAL PRODUCT INFORMATION

Replacing the drive insert
Replacing the drive insert without disassembling the structure requires approx. 1.3 m of free space from the end of the guide. In the case of limited space or modular assembly of the system, leave a space of at least 15 cm, which will allow disassembly of a single guide and replacement of the drive insert in it.

Drive belt
The drive belt is an exploitative element in the Pergola V ZIIIP system. During the use of the system, minor abrasions of the side edge of the belt may occur. It is recommended to replace the belt after about 2 - 3 thousand cycles.

Fabric
In fabric with a ZiiiP zipper, there may be waving of the material visible at the guide. This phenomenon is caused by a lock that deforms the material when the blind is rolled up. The ripple effect increases the longer the system stays rolled up. Friction occurring between the guiding profile and the fabric lock at high temperatures can cause a characteristic sound.

Colour
In the production of Pergola V ZIIIP, various types of materials are used (PVC, Aluminum, Steel) shades of painting in the same RAL color may slightly differ from each other.

Manufacturing tolerance
Selt's finished product is manufactured in accordance with internal production standards and the industry's acceptable production tolerances for individual components included in the system.

General information
- Pergola V ZIIIP is a sun protection system and does not fulfill the anti-rain function.
- The system cannot be fixed in a vertical position. The maximum mounting angle is 45 degrees.
- The product cannot be mounted in the suspended version system

7 GENERAL WARRANTY CONDITIONS

The general warranty conditions are available at www.selt.com. In the absence of access to the SELT Sp. z o. o. warranty conditions can be obtained from a sales representative of SELT Sp. z o. o.

7.1 WARRANTY EXCLUSIONS

The warranty does not cover:
- Damages caused as a result of other transport than the SELT's transport,
- Damage to devices resulting from storage, installation or maintenance not in accordance with the operation and maintenance manual or the Supplier's recommendations, unless these activities were performed by the Supplier or at the Supplier's risk,
- Damage resulting from use not in accordance with the operation and maintenance manual, operating manual or the Supplier's recommendations,
- Mechanical damage,

- Damage resulting from the modification of the system, unless the modification was made by the Supplier, at his request or with his written consent,
- Secondary damage resulting from the use of the device despite noticing the original defect, unless the Supplier has been notified and recommended further use. The assessment of the causes of damage is left to the reasonable discretion of the Supplier. Repair or replacement of the device due to the damage referred to in this point may be made by the Supplier for a charge,
- Defects resulting from normal wear and tear of product parts, such as gaskets, lubricants, etc.
- Electrical damage caused by the fault of the user,
- Damage caused by improper assembly of the product, performed by a company other than the Supplier,
- Damage caused by self-repair,
- Improper tension of the transmission belt, performed by the installer against the manufacturer's instructions, resulting in wrinkling and improper operation of the roofing,
- Asymmetrical approach of the movable beam to the ends of the guides, which does not affect the correct operation of the system,
- Damage caused by using the system in inappropriate weather conditions.
- Differences in the operation of Pergola V ZIIIP systems in the module and placed directly next to each other. The described phenomenon does not affect the proper functioning of Pergola V ZIIIP.
- Characteristic noises of the system's operation, arising when rolling up and unrolling the cover fabric.
- Water dripping from the movable fabric during its rolling up before it is properly dried.
- Incomplete closing or opening of the cover due to incorrectly adjusted limit switches.
- So-called jumping effect, i.e. a slight axial deviation of the roller tube when opening or closing the awning blind, which is associated with a slight deflection of the roller tube and the rod fixing the fabric in the roller tube inserted into the pocket. This effect does not affect the correct operation of the system.
- The effect of horizontal deformation of the front beam up to 25 mm with the width of the awning close to the maximum. This is a natural physical phenomenon caused by the beam being supported only at the ends and being affected by the stretched fabric. This effect does not affect the correct operation of the system.
- Displacements of the front supports during the operation of the system.
- Deflection of support beams related to wind action.
- Rigidity of the structure (front supports and guides) related to climatic influences and system operation.
- Damage to the system as a result of precipitation - the system is not rainproof and should be rolled up during precipitation.

Warranty for fabric does not cover:

- Elastic reaction of the fabric when working in different temperature ranges (related to thermal expansion),
- Sagging of the fabric when working in different temperature ranges (related to thermal expansion), and is a natural feature of fabrics,
- Damage caused by abnormal weather conditions, lightning,
- Damage resulting from accidents and unexpected events,
- Damage resulting from inadequate cleaning with corrosive and abrasive products,
- Damage caused by cleaning with unsuitable tools,
- Atmospheric and phytosanitary pollution,
- Dirt caused by animals,
- Impact of other products or items hanging on the fabric unrelated to the Selt system,
- Wrinkles or damage to the fabric in the event of the fabric being blown by the wind onto the beams of the movable module during its folding or unfolding.
- Horizontal creases on fabrics, which are caused by a rod inserted into the pocket that fastens the fabric in the roller tube.
- Unsymmetrical rolling of the fabric on the roller tube, which may occur due to the fact that the fabric is not centered during assembly.
- Unsymmetrical rolling of the fabric on the roller tube caused by thickening and impurities on the fabric surface (e.g. leaves, etc.),
- Shrinkage occurring at the welds of the fabric, resulting in vertical stresses on the fabric surface ("vertical waves").
- "Yodeling" of the fabric in the middle part of the blind, resulting from the deflection of the roller tube.
- Differences in shades of fabrics and in the case of fabrics in metallic colors, the degree of metallization of the material resulting from different production batches.
- Gaps in the welding: in the case of fabrics with a width greater than 4300 mm, i.e. exceeding the length of the welding machine, it is necessary to make a pocket cut. The cut is hidden in the lower beam, so it is hardly noticeable and does not affect the properties of the cover in any way. This is a technological standard.

- Fabric welding: when the width of the product exceeds the width of the fabric roll, then it is necessary to connect two pieces of fabric by means of joints called weldings. The seams of the fabric are repeated horizontally with a frequency depending on the width of the fabric roll of the selected fabric.
- The fabric may have waving of the material visible at the guides. This phenomenon is caused by a zipper that deforms the material when the system is rolled up. The wave effect of the fabric increases the longer the system is rolled up.

8 COMPLAINT / TECHNICAL DEFECTS

8.1 COMPLAINTS (MANUFACTURER'S WARRANTY)

Complaints can only be made by the entity that purchased the product from the manufacturer.

The terms and way of handling complaints are defined in the General Guarantee Terms and Conditions as well as the General Sales Terms and Conditions.

The General Guarantee Terms and Conditions and the General Sales Terms and Conditions are available on the website: www.selt.com.

The Customer submits a complaint on the Complaint form available on the manufacturer's B2B platform. The complaint notification should be full and complete.
A complaint submitted in a different way than via the B2B Platform, which is incomplete or partial, without given invoice number, order number or contract number, will not be considered.

8.2 TECHNICAL DEFECTS

In the event of system defects:

- if possible, fold down the movable roof and put the device out of use,
- immediately report a product defect to SELT Sp. z o.o. in Opole.
- notifications can be sent to the e-mail address reklamacje@selt.com or directly to a sales representative.

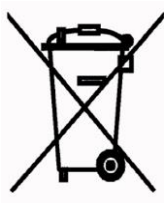
Reporting a technical defect / complaint should be made in writing on the "complaint notification" form, which can be found at www.selt.com/doc.pl or directly to the sales representative.

9 PRODUCT DISASSEMBLY / UTILISATION / DISPOSAL

Improper disassembly of the system can cause serious personal injury and damage the system.
Disassembly of the system should be entrusted to a properly specialized assembly team or a person with appropriate health and safety training and knowledge in the field of recovery.

a) Disposal of waste electrical and electronic equipment

Important disposal information:



In compliance with the Act of 11 September, 2015 on waste electrical and electronic equipment is it forbidden to place the waste equipment marked with the crossed bin symbol with other waste to a container intended for the domestic waste. The user, wanting to dispose of electronic or electrical equipment, is obliged to return it to a waste equipment collection point.
The above statutory obligations were introduced in order to limit the amount of waste generated from waste electrical and electronic equipment and to ensure an appropriate level of collection, recovery and recycling. The equipment does not contain hazardous components which have a particularly adverse effect on the environment or human health.

No.	Subject	European Legal Basis	Polish Legal Basis
1	Waste Electrical and Electronic	Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste	Act of September 11, 2015 on waste electrical and electronic equipment (Journal

	Equipment	electrical and electronic equipment (WEEE)	of Laws of 2020, item 1893, as amended
2	Waste catalogue	Commission Regulation (EC) No. 574/2004 of 23 February 2004 amending Annexes I and III to Regulation (EC) No. 2150/2002 of the European Parliament and of the Council on waste statistics	Regulation of the Minister of Climate of January 2, 2020 on the catalog of waste (Journal of Laws 2020, item 10)

b) Utilization of used batteries

In compliance with provisions of the Act of 24 April 2009 on batteries and accumulators the **End User** is obliged to transfer used portable batteries, which are no longer used as a source of energy, to a **collector** or to collecting point. It is forbidden to place use batteries with the other waste in the same container.

To prevent environmental pollution and causing a possible hazard for human and animals health, the used battery should be discarded to the proper container in the designated collection points.

No.	Subject	European Legal Basis	Polish Legal Basis
1	Used batteries and accumulators	Directive 2006/66/EC of the European Parliament and of the Council of 6 September 2006 on batteries and accumulators and waste batteries and accumulators and repealing Directive 91/157/EEC	The Act of 24 April 2009 on batteries and accumulators (consolidated text, Journal of Laws of 2020, item 1850)

10 MARKING AND LABELLING THE PRODUCT WITH THE CE MARK

10.1 PRODUCT COMPLIANCE WITH THE CE STANDARD

Pergola V ZIIIP manufactured by SELT Sp. z o. o. meets the essential requirements of the product standard EN 13561:2015 (external products), introduced by the Polish Committee for Standardization as PN-EN 13561:2015, which is confirmed by the manufacturer's Declaration of Performance and marking the product with the CE mark.

TO KEEP THIS CONDITION AND TO ENSURE SAFE USE AND MAINTENANCE OF THE SYSTEM, FOLLOW THE INSTALLATION AND OPERATING AND SAFE USE INSTRUCTIONS.

10.2 INFORMATION ACCOMPANYING THE CE MARKING

Common location restrictions:
- location only in the 1st and 3rd wind load zone up to 300 m above sea level
- location only in the area of category III or IV (wind)
- maximum wind resistance class according to EN 13561 for folded roof: veranda awning - third (110 Pa or 49 km/h); terrace awning - second (70 Pa or 38 km/h)
- it is forbidden to load the movable part of the roof with snow
- roof angle from 10 to 45 degrees from the horizontal plane (Pergola V ZIIIP version) or from 0 to 45 degrees (Veranda V ZIIIP version),
- covering the walls are not anticipated
- the need to roll up the fabric when the wind speed exceeds the appropriate wind class (2 or 3 - see above)

For conditions exceeding the above limits, an individual static and strength opinion of a person with building qualifications in the construction and building specialty is required.

a) Marking on the product:

CE	CE
SELT Sp. z o. o. **Opole, ul. Wschodnia 23A**	**SELT Sp. z o. o.** **Opole, ul. Wschodnia 23A**
EN 13561	**2006/42/EC**

a) Marking on accompanying documents

CE
SELT Sp. z o. o. **Opole, ul. Wschodnia 23A** **POLAND** **21**
EN 13561 **Terrace awning Pergola V ZIIIP MT. 500x600** **For external use** **Wind load resistance: class 2** **Total solar energy transmittance g tot: 0,01-0,90*** **DWU 100/MW/2021**
* - external sun protection system together with type C glazing according to EN14501:2005; details depend on the type of the fabric – given in tables on the website of the manufacturer

CE
SELT Sp. z o. o. **Opole, ul. Wschodnia 23A** **POLAND** **21**
External veranda awning **Pergola V ZIIIP** **External veranda awning** **Pergola V ZIIIP (MT)** **230V/ 50 Hz Power 270 W** **19 / DZ/2022**

CE
SELT Sp. z o. o. **Opole, ul. Wschodnia 23A** **POLAND** **19**
EN 13561 **Veranda awning Pergola V ZIIIP 500x600** **For external use** **Wind load resistance: class 3** **Total solar energy transmittance g tot: 0,01-0,90*** **DWU 99/MW/2021**
* - external sun protection system together with type C glazing according to EN14501:2005; details depend on the type of the fabric – given in tables on the website of the manufacturer