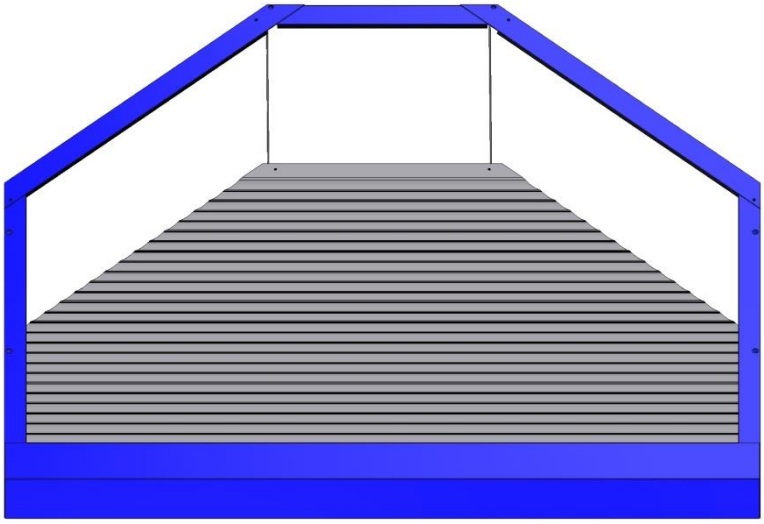
Assembly Instruction

Wiga Star
Roller Shutter Type DSIG
- Motor Drive -



	This assembly instruction contains important information on assembling roller shutters as well as important safety instructions. The assembly operation may only be carried out by specialized staff of Schanz Rollladensysteme GmbH or technicians especially authorized by Schanz Rollladensysteme GmbH.

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Commission - No.	Date Installation and Instruction	Signature

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General Safety Information

This assembly instruction contains information for the correct installation of Schanz roller shutters. Due to the different types deviations may occur from this assembly instruction. However, this does not affect the security information.

Below described assembly steps may only be carried out by specialized staff of Schanz Rollladensysteme GmbH or technicians especially authorized by Schanz Rollladensysteme GmbH.

Adhere to the applicable regulations of the insurance association and take the necessary precautions for all work. Depending on accessibility, scaffoldings, ladders, fall protection devices, lifting devices and Personal Protective Equipment (e.g. safety helmet, safety boots etc.) is to be used.

Transport / Packaging / Unpacking

Depending on the route of transport and the expected conditions the roller shutter will be packed and the roller shutter jacket will be fixed in the roller shutter box. Depending on the type and size of the roller shutters they might be so heavy that a suitable load-carrying equipment and lifting tool has to be utilized.

Only use sufficient dimensioned, safe and correctly fixated load-carrying equipment and lifting tools and avoid damages and injuries.

Check immediately if the product has been delivered without damage. Immediately complain about damaged roller shutters.

Removing the transportation safety devices:

Unscrew and open the cover of the roller shutter box	
Remove the foam sheets	
Remove entry mouth	
Remove the 4 slats which are connected to the jacket Put on the cover and screw it back.	

Assembling / Installation / Working on the facade

Each roller shutter is individually manufactured according to your window shape and size and must only be installed by Schanz Rollladensysteme GmbH or technicians especially authorized.

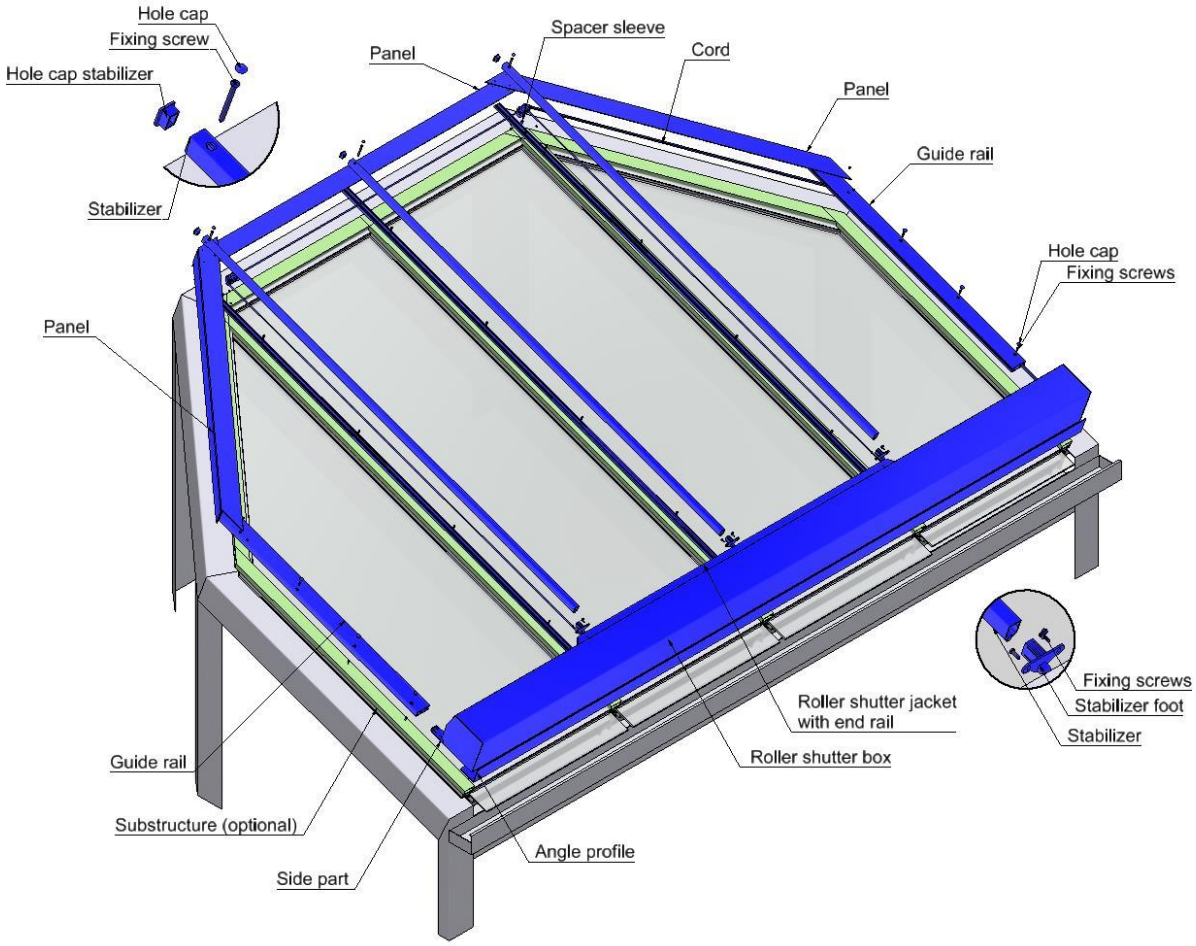
	The installation of the roller shutter has to be conducted following the information given in the assembly and safety instructions.

The installation of the roller shutters should only be conducted on ready-made rainproof facades!
The plastering of the roller shutters could lead to severe damages due to damp and furthermore make essential reparation difficult or even impossible.

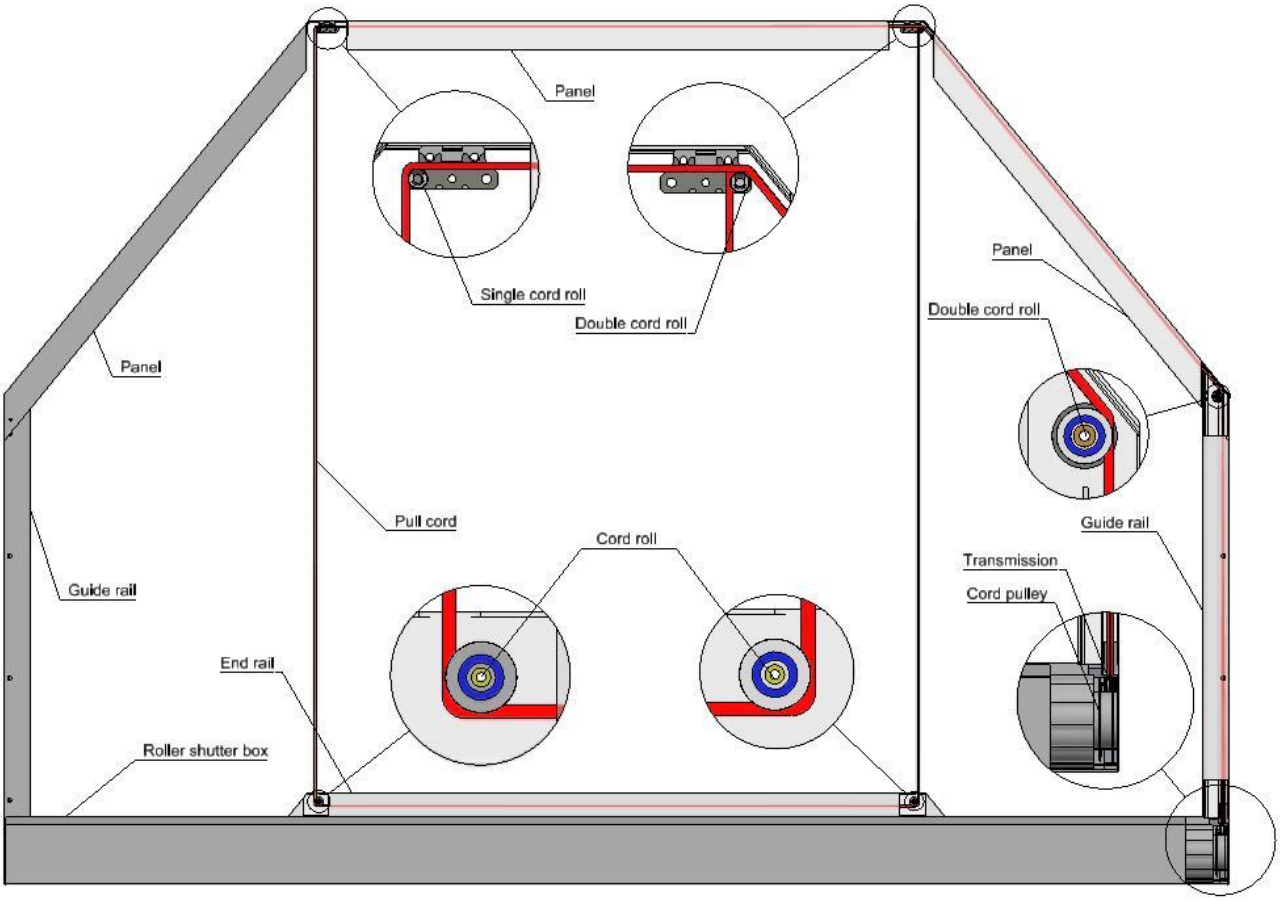
	The water drain holes on the bottom of the roller shutter box have to clear at all times so that ingressed water can drain off! **Under no circumstances may the shutter box be buried in the wall or stucco.**

The roller shutter has to be fixed sufficiently and safe attuned to the ground!

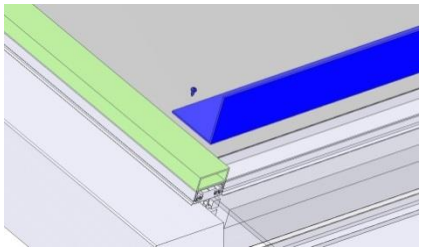
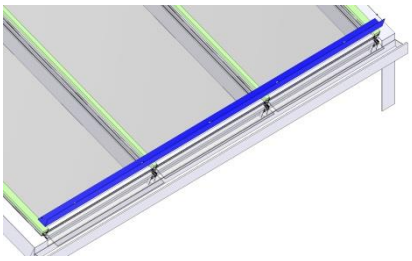
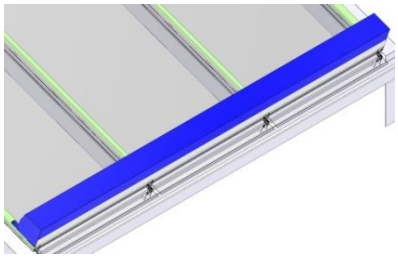
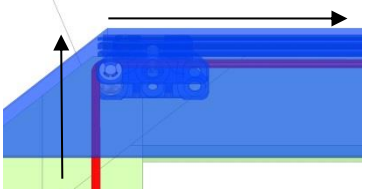
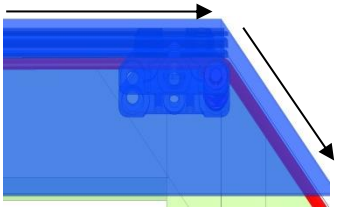
Assembly Drawing

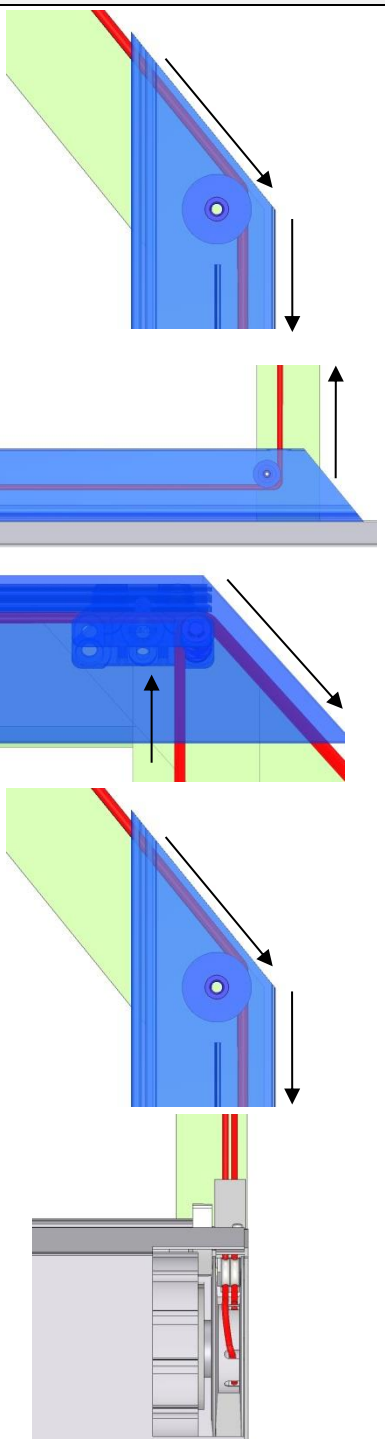
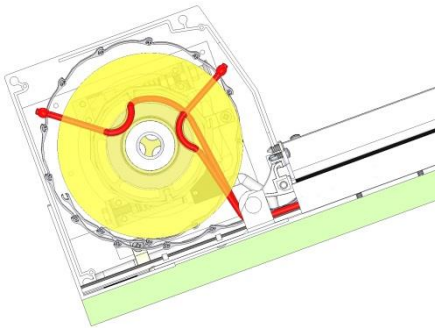


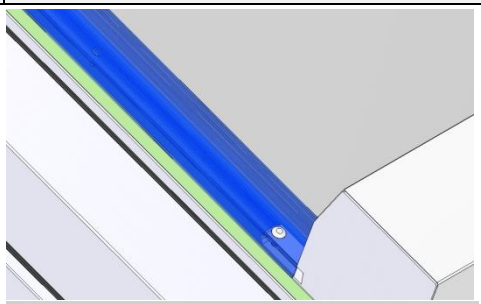
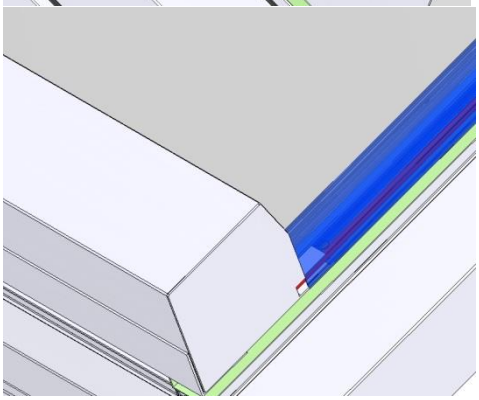
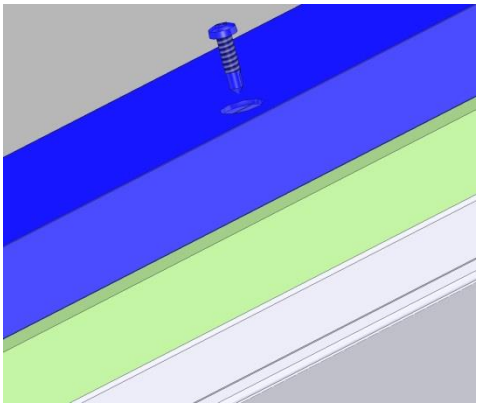
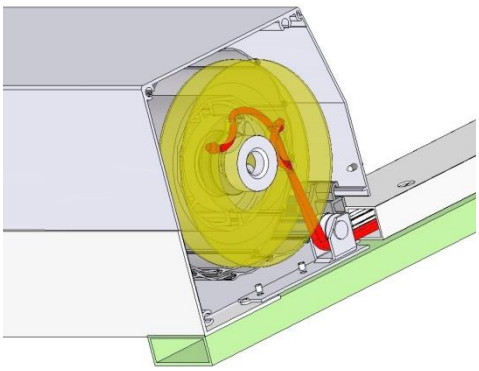
Cord Guidance

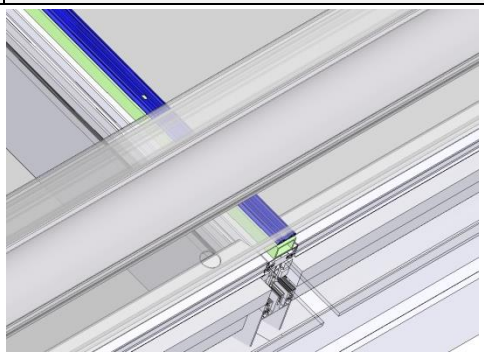
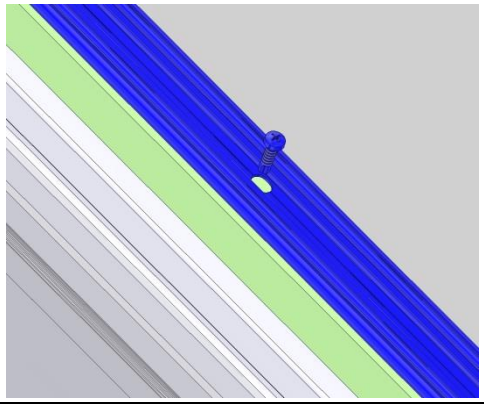
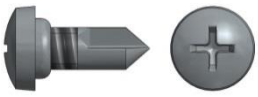
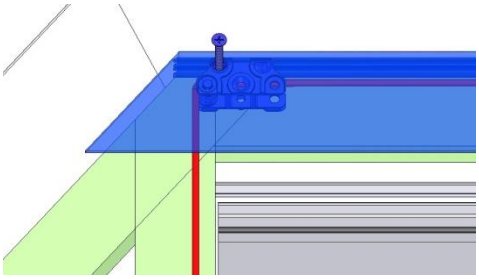
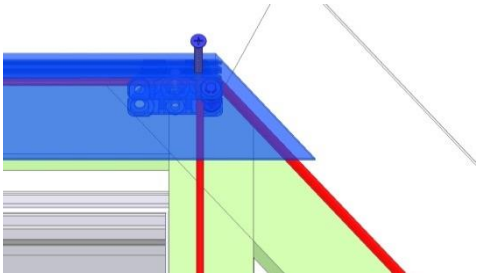


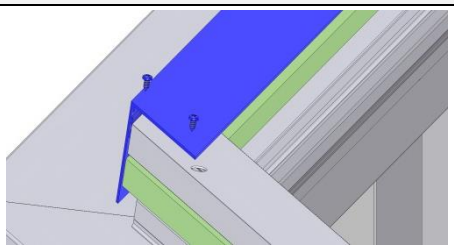
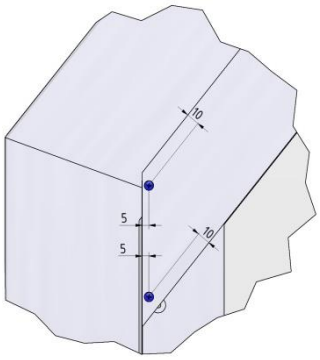
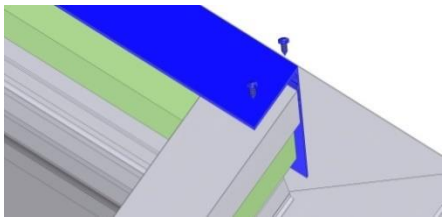
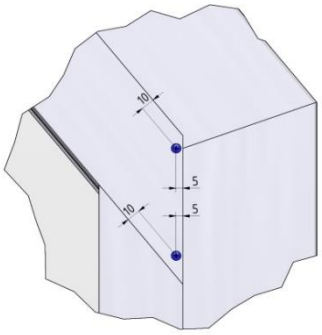
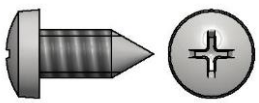
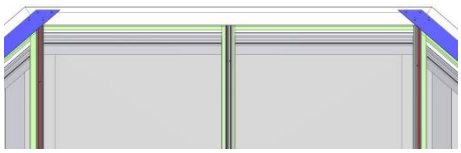
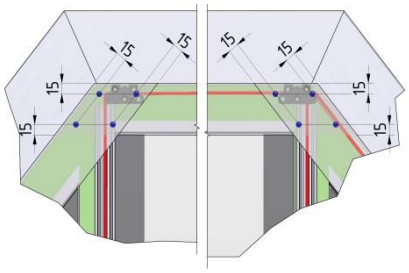
Description of the basic procedure

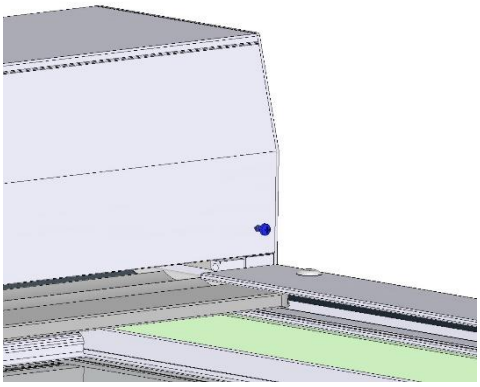
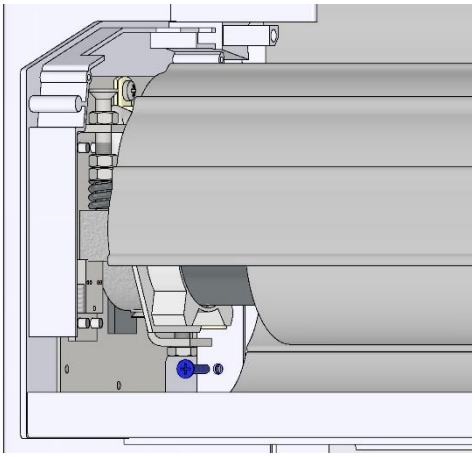
Step No.	Operation	Note	Check
	Check delivery for completeness		- Delivery is complete - Compare the goods with delivery note
00	Screw substructure to conservatory profile with appropriate fixing material Lay sealants at the drill holes between the conservatory frame and aluminium profile		- Mount at right angle
10	Mount the bracket at a right angle to the substructure.	 	- Mount at right angle
20	Align the roller shutter box - Put the roller shutter box onto the bracket		- Positioned at right angle - Support is necessary
30	Pulling the cord through - The cord is being inserted below the cord roll into the end rail - Guide the cord on the motor side high over the cord roll in the panel	  	

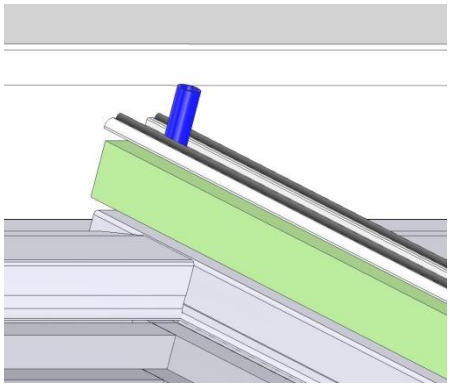
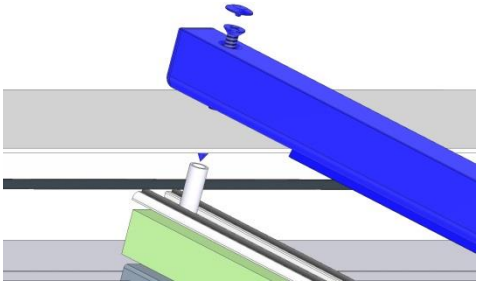
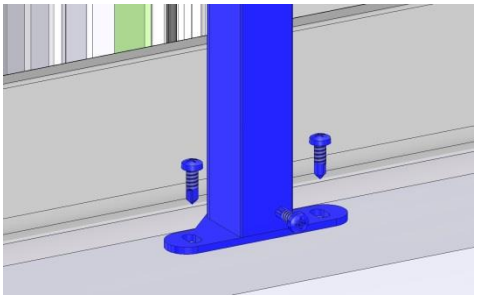
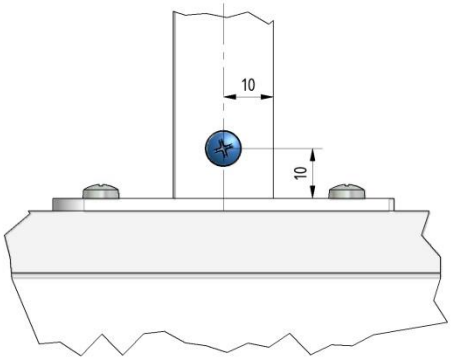
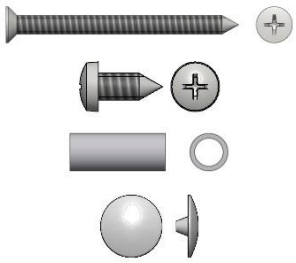
Step No.	Operation	Note	Check
30	- Guide the cord through the guide rail with double cord roll and to the cord pulley - Guide the cord on the <u>cord pulley side</u> high over the cord roll in the panel - Guide the cord over the double cord roll in the guide rail and to the cord pulley		
40	Pre-assemble cord **-Only with mechanical motor-** - Put the cord through the foreseen drilling holes into the cord pulley - Pull the cord through completely and tie it together slightly to protect it from sliding back		- Only perform this operation with a mechanical motor

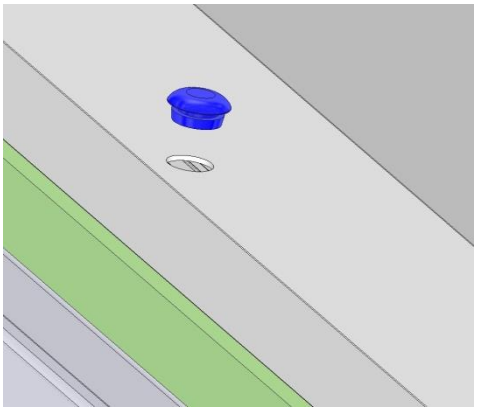
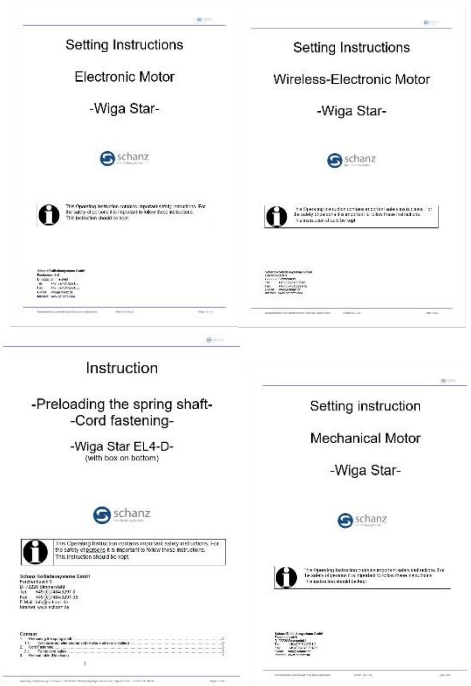
Step No.	Operation	Note	Check
50	Attach guide rails - Put the short guide rail on the box - Adjust the correct position with an angle - Screw the guide rails with appropriate fixing material to the aluminium profiles according to the number of fixing holes on the guide rails	  	- Do not damage the cord - Mounted at right angle
60	Attach cord **-Only with mechanical motor-** - Pull the cord completely tight and tie it together correctly - Cut off any overhanging cord and melt the ends with a cigarette lighter		- Only perform this operation with a mechanical motor - Cord is attached

Step No.	Operation	Note	Check
70	Attach the guiding support(s) - Insert the guiding support(s) between roller shutter jacket and the back panel until the bottom of the box and align it - Screw the guiding support(s) with appropriate fixing material to the aluminium profiles according to the number of fixing holes on the guiding support(s)	 	
	For attaching the guiding support(s) it is recommended to use the special tapping screw 3.5 x 9.5		
80	Attach the upper panel with cord roll - Guide the cord over the cord roll, put on the panel and adjust it - If applicable correct the position of the cord roll (loosen the pin before and tighten it back afterwards) - Pre-drill a hole for the countersunk screw, countersink it and screw together the panel through the cord roll with the aluminium profile with an appropriate screw	 	- Position of the cord is exactly vertical - Do not damage the cord - Mind the cord roll under the panel

Step No.	Operation	Note	Check
90	Attach lateral panel to the guide rails - Put on the panel, adjust it and screw it with two short tapping screws to the guide rail	    	- Do not damage the cord
	For attaching the panel the screw ISO 7049 – A2 3,9 x 9,5 is needed <u>Note:</u> Always pre-drill the holes		
100	Rivet the panels - Adjust the panels, drill holes and fix it with rivets	  	- Do not damage the cord - Mind the cord roll under the panel

Arbeits-gang Nr.	Arbeitsvorgang	Bemerkungen	Prüfungen
110	Attach Roller shutter box - Unscrew the screws of the box lid and open the roller shutter box - Screw the roller shutter box on the left and the right side through the side part and back panel with appropriate fixing material with the substructure. **To prevent the box from twisting due to the forces acting, it must be fastened.**	 	

Step No.	Operation	Note	Check
	Note: It is recommended to conduct the following operation after the setting of the roller shutter		
120	Attach the stabilizer(s) - A spacer sleeve is being added between guiding support and panel		
	- Pre-drill a hole for the countersunk screw through the panel in the aluminium profile, countersink it and screw together the stabilizer with the panel and through the spacer sleeve with an appropriate screw. - Put on hole caps		- Do not damage the cord - Mind the redirection part under the panel
	- Align the stabilizer and fix it with the foreseen drilling screws to the box cover - Screw stabilizer with stabilizer foot together Note: For fixing of the stabilizer foot short screws are being needed	 	- The end rail of the roller shutter jacket must not be stuck
	- Chipboard screw countersunk head 4,5 x 70 for stabilizer on panel - ISO 7049-3,9 x 9,5 for stabilizer foot - Spacer Sleeve - Hole Cap		

Step No.	Operation	Note	Check
130	Completion of the installation - Place the hole caps according to the amount of fixing holes on the guide rails		
	Electronic motor: - On delivery, the motor is in learning mode. - Pre-tension the system and attach the cord in accordance with the instructions “Preloading the spring shaft-Cord fastening”. - Adjust the roller shutter in accordance with the “Electronic motor” or “Wireless-electronic motor” adjustment instructions Mechanical motor: - Adjust the roller shutter in accordance with “Mechanical motor”.		Final inspection: - Roller Shutter is accurately tight and hole caps are available - Water drain holes are clear - Roller shutter is working - Instruction took place - Documentation handed over
	Connect the roller shutter according to the instruction „Connection Diagram“		

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