

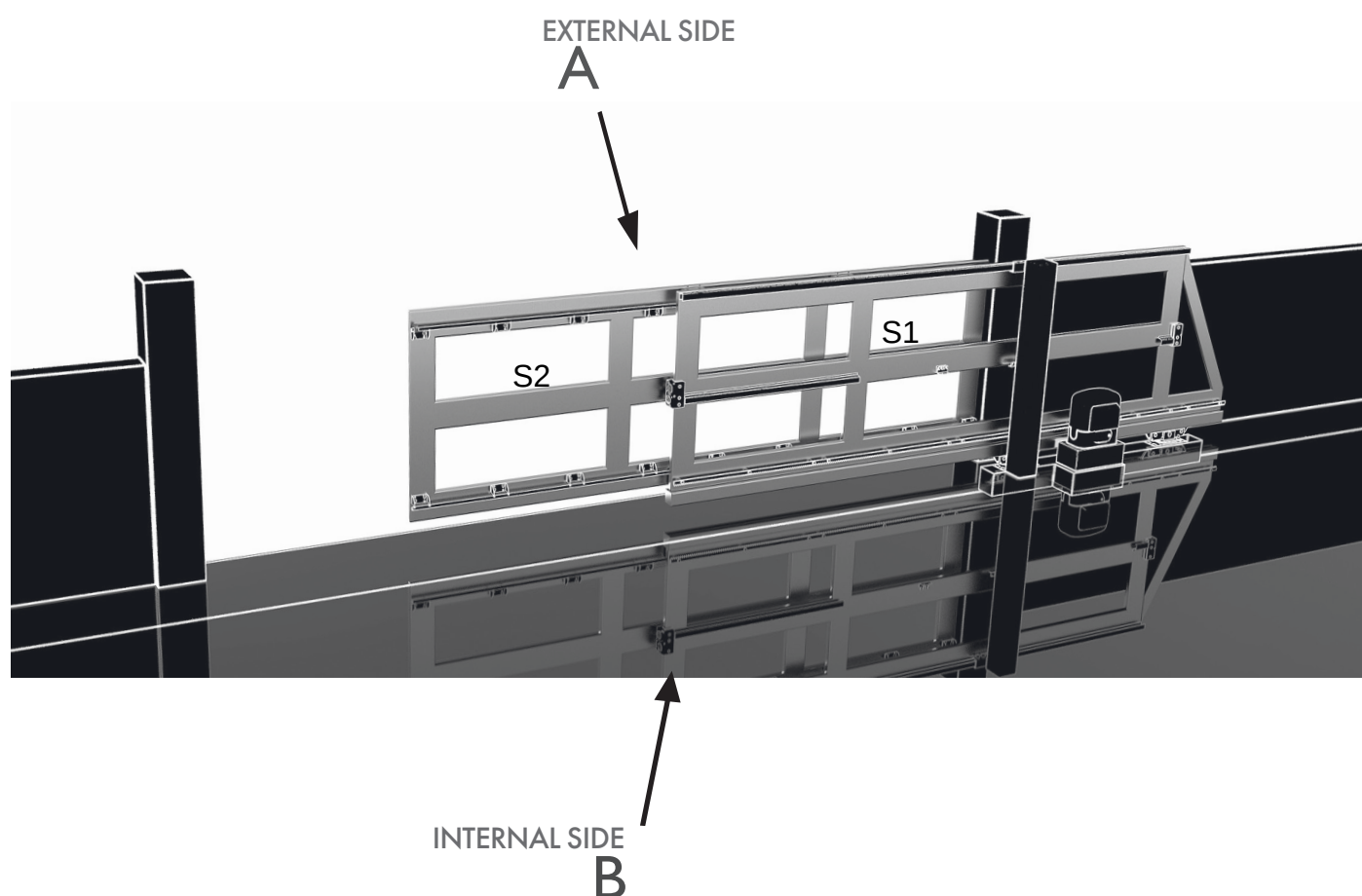


GUARDIAN TELESCOPIC CANTILEVER KIT TS-C2-8

Galvanized accessories Kit for the installation of cantilever telescopic gates. The movement between the leaves is provided by a galvanized cable system with core in propylene.

Our Guardian telescopic cantilever system combines the characteristics of compactness resulting from its telescopic leaves that significantly reduce the footprint during the opening phase, to all the advantages of the cantilever system.

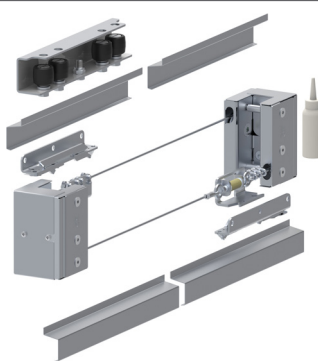
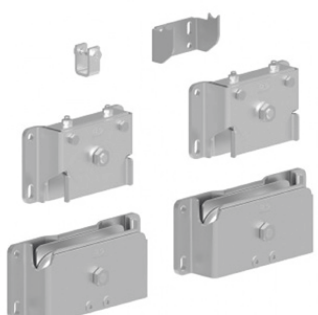
RIGHT VERSION (FOR THE LEFT VERSION SEE PAGE 11)



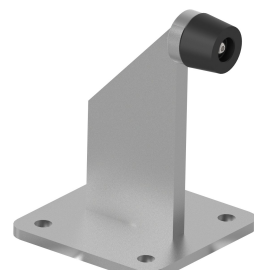
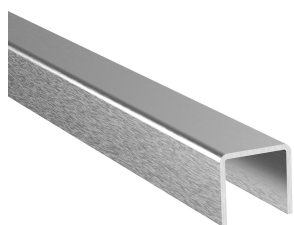
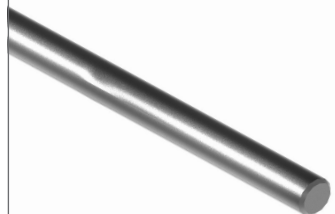
TS-C2-8 OPENING UP TO 8m

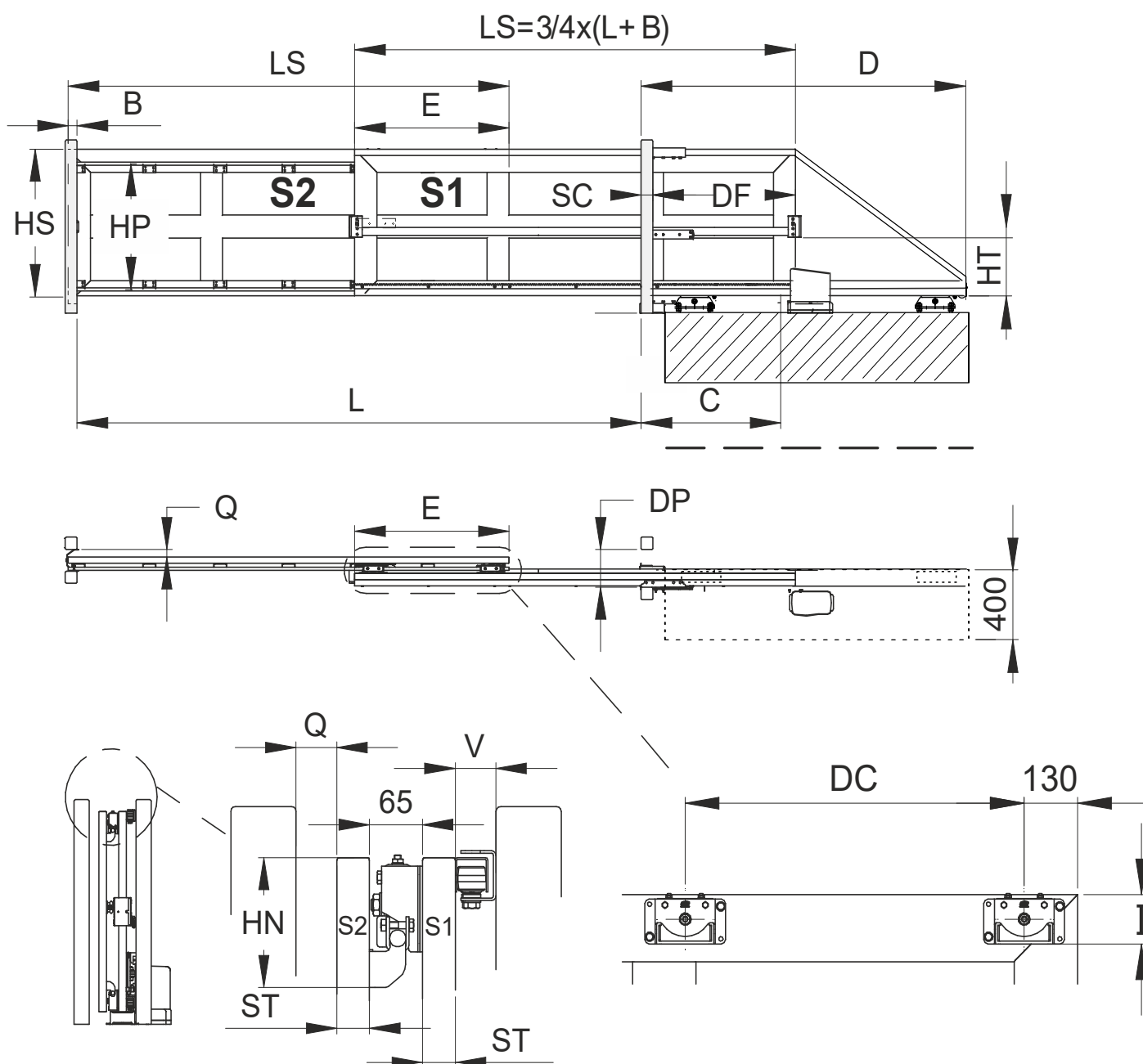


COMPONENTS

x1 	x1 
TS-CS8-ECO	LV-2C8-250-ECO



RELATED ITEMS		
x1 		
H/10B-60x130	U/40x40x3-3m	A/20-6000



LEAVES DIMENSIONING

V min (mm)	HS min (m)	HN min (mm)	HT min (m)	I min (mm)	ST (mm)	S2 max (kg)
50	0,6	140	0,300	100	40-80	250

The values in the following table are calculated with B=0.1m

L [m]	LS [m]	E [m]	C [m]	DC [m]	Q [mm]
3,5	2,70	0,9	0,8	0,64	50
4	3,08	1,03	0,93	0,76	50
4,5	3,45	1,15	1,05	0,89	50
5	3,83	1,28	1,18	1,01	50
5,5	4,20	1,40	1,3	1,14	50
6	4,58	1,53	1,43	1,26	60
6,5	4,95	1,65	1,55	1,39	60
7	5,33	1,78	1,68	1,51	60
7,5	5,70	1,90	1,80	1,64	60
8	6,08	2,03	1,93	1,76	60

EXAMPLE OF OUT-OF-TABLE MEASUREMENTS

L = 4,2 m

B = 0,1m

D (m) = https://zv.umakov.sk/profilny_new/build/

LS = $\frac{3}{4} \times (L + B)$

LS = $\frac{3}{4} \times (4,2 + 0,1) = 3,225$ m

OTHER USEFUL FORMULAS

E (m) = LS/3

C (m) = E-0,1

DP (mm) = (2xST)+V+Q+65

DC (m) = E-0,26

DF (m) = E-SC

HP (mm) = HS-(2xI) + 30

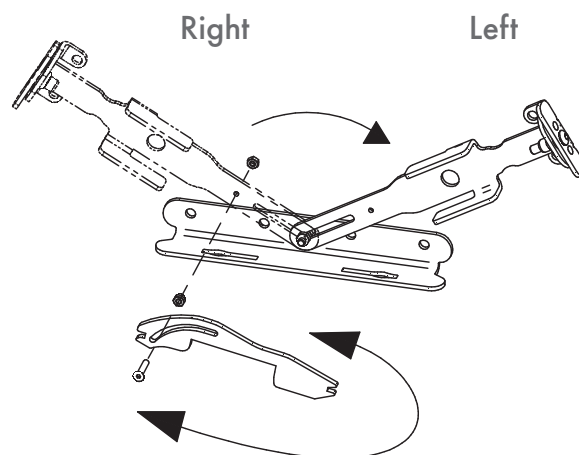
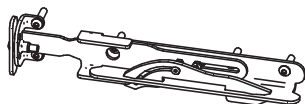


TECHNICAL INFO

1. The use of limit stops and the installation of safety screws is compulsory.
2. For the motor choice : you have to consider the weight that the motor has to support, unlike the normal cases.
Reference weight for the choice of the motor = $2 \times (\text{weight leaf S1} + \text{weight Sleaf S2})$
3. Recommended motor: 24-volt DC
4. Optimal tension of the cable: the ideal traction is the one necessary to keep the wire in a horizontal position. A lower or higher tension of the cable can shorten its duration.
5. Second and third leaf maximum closing speed = $0,18\text{m/s}$
6. Abrupt variations in speed can cause elastic effects between the leaves.
7. Accelerations, decelerations and high-speed variations can shorten the system duration and can cause malfunctions and disruptions.

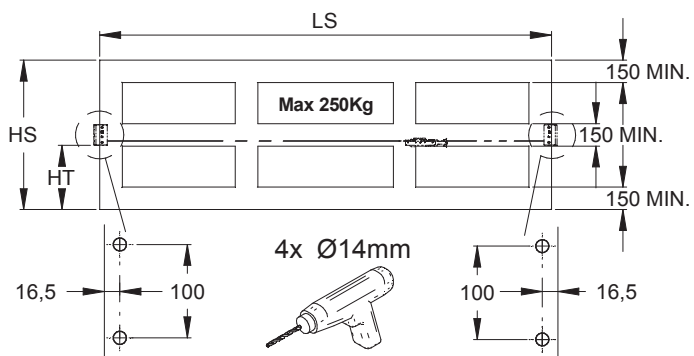
Prepare the right and left hitches in the indicated quantities:

2x Right

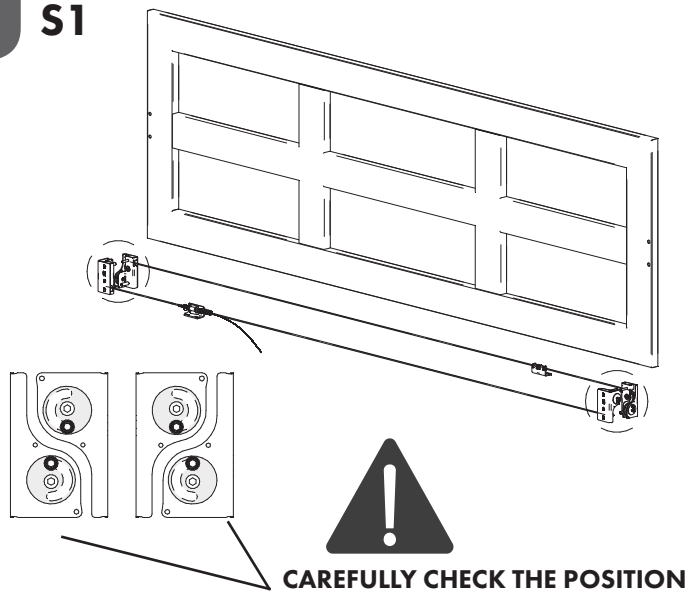


1 S1

RECOMMENDED MEASURES

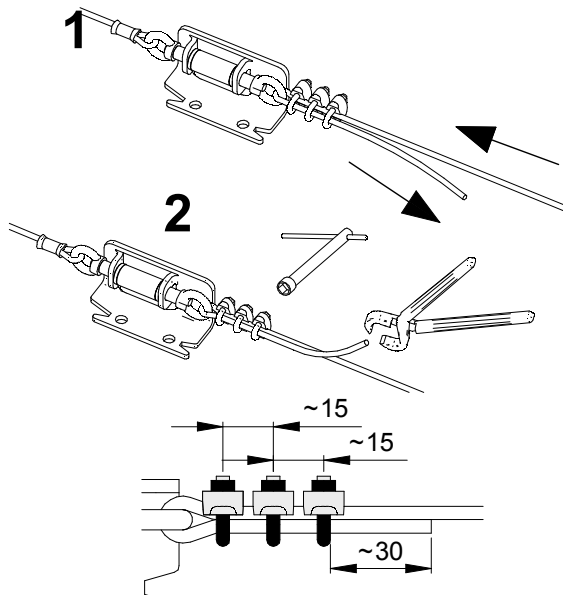
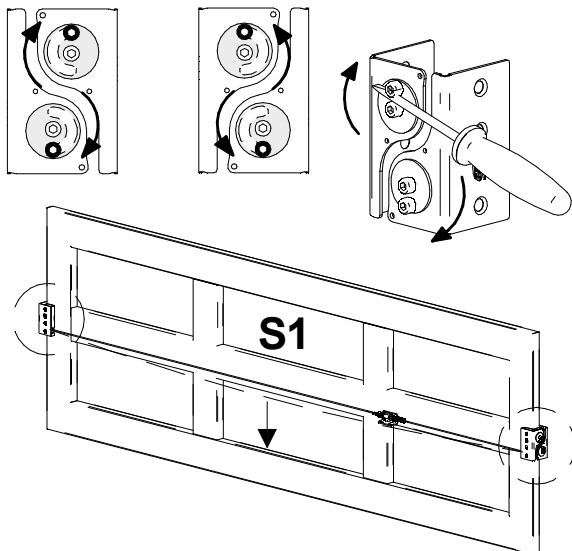


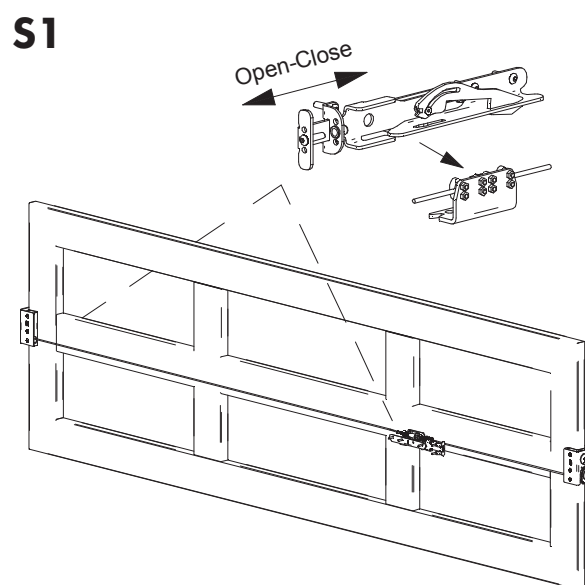
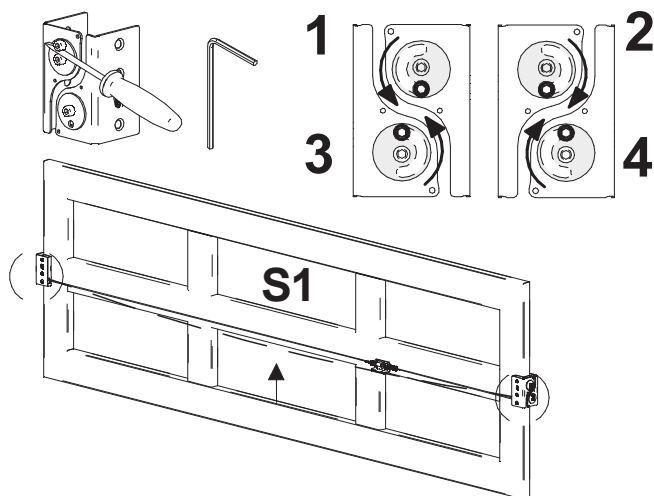
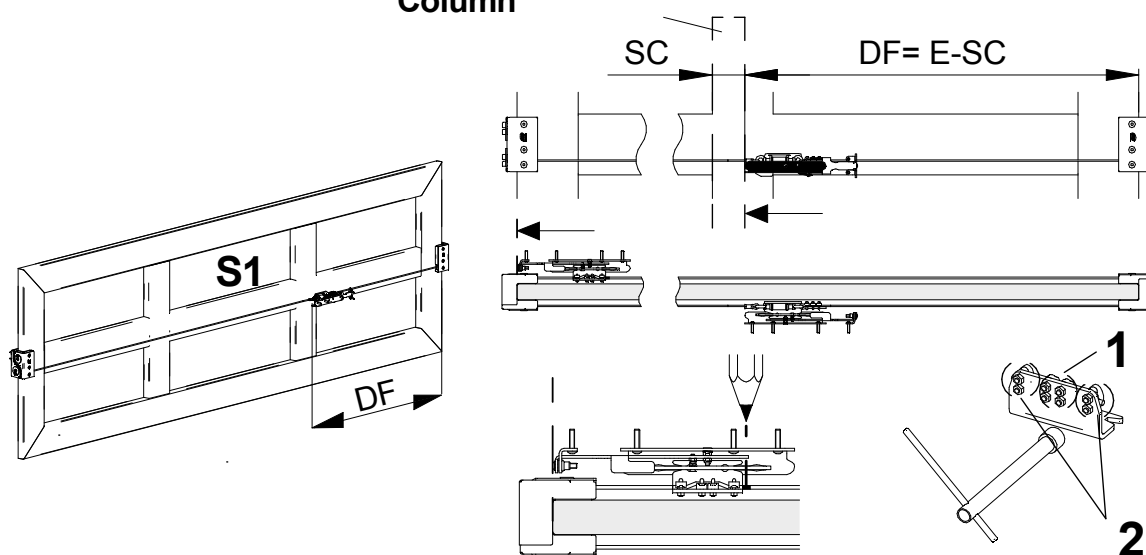
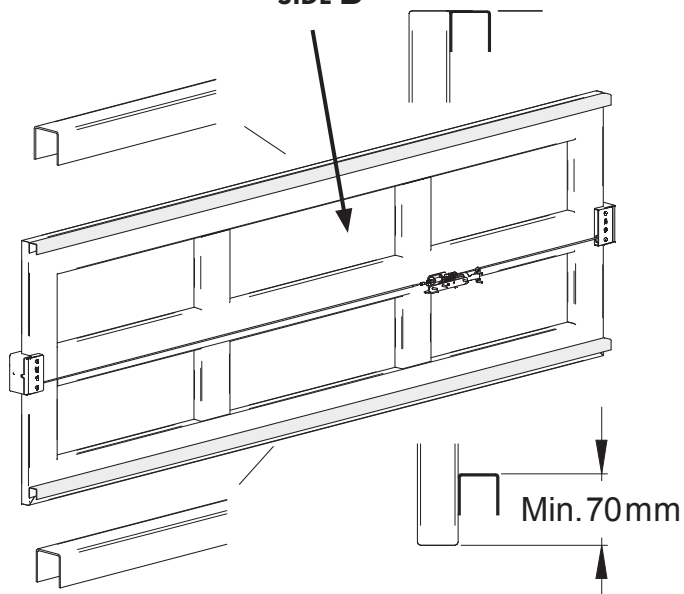
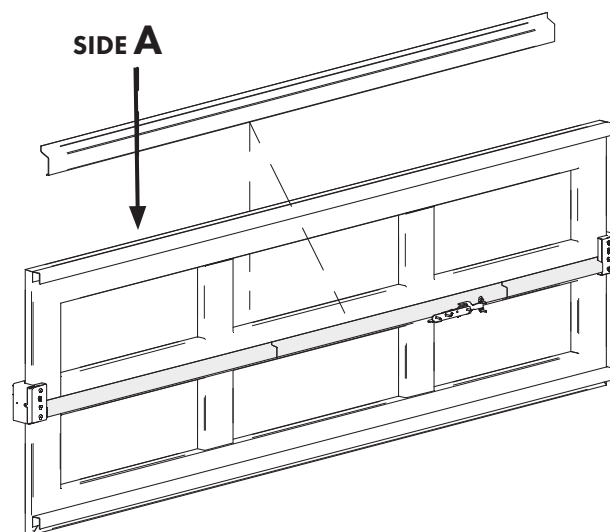
2 S1



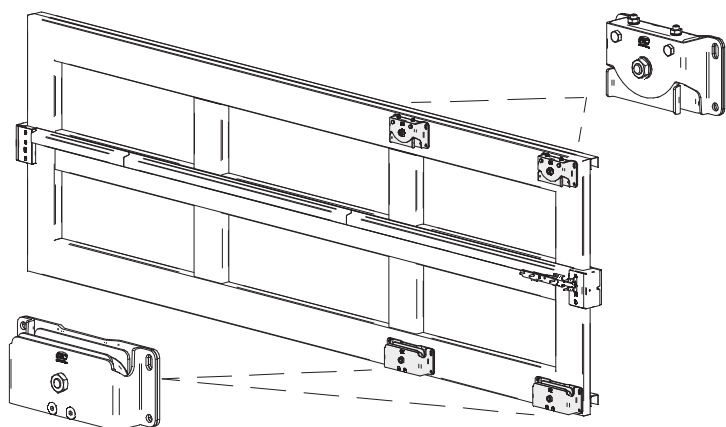
3 S1

Loosen

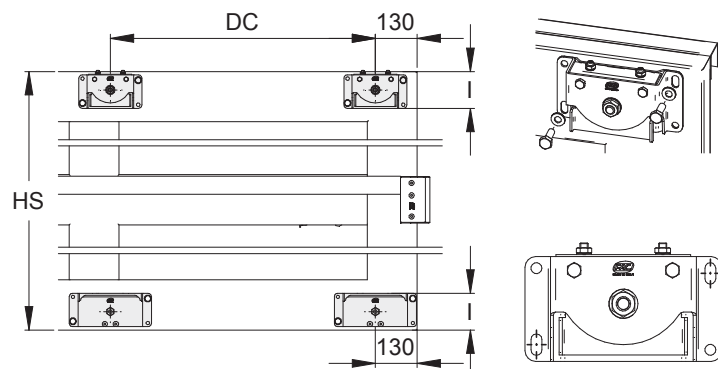


**4 S1** *Stretch in sequence if needed and fix***5 S1****Column****6 S1****SIDE B****SIDE A**

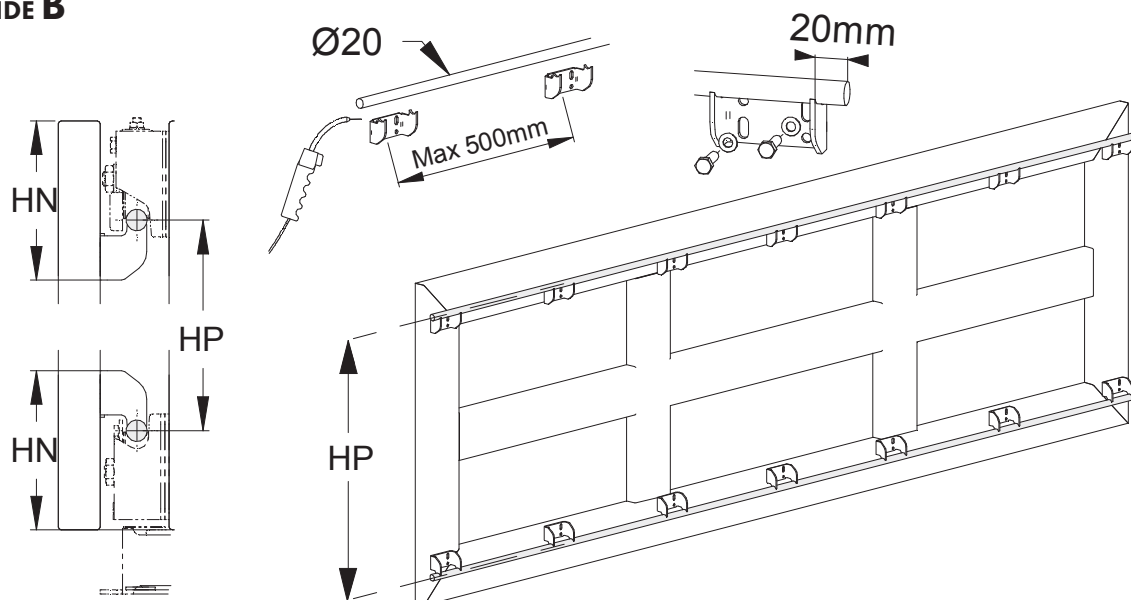
7 S1 SIDE A



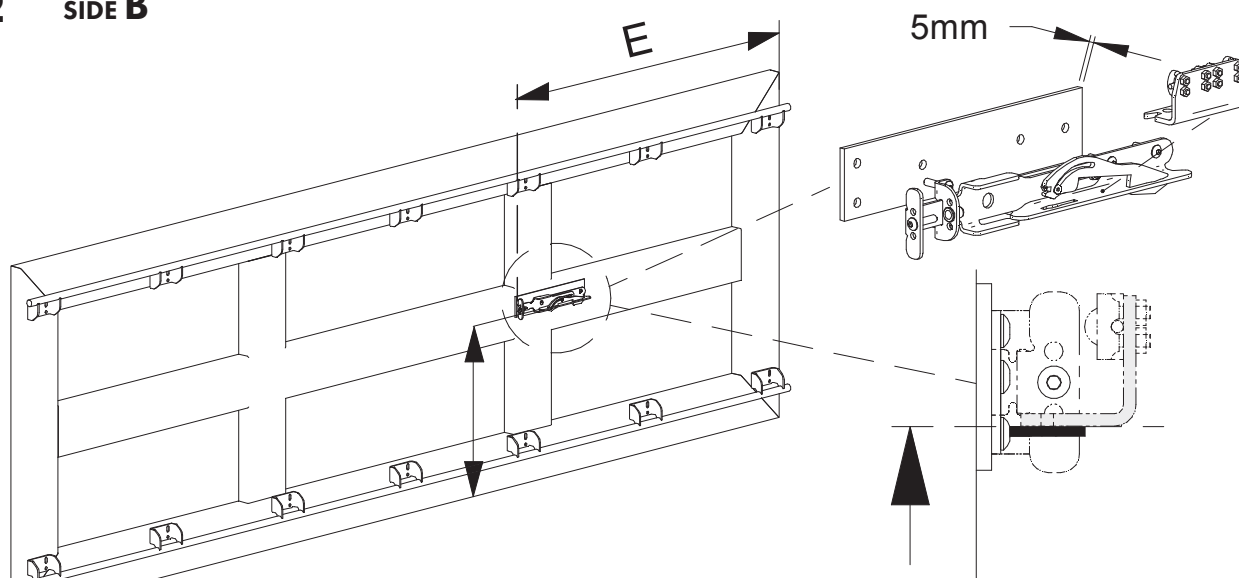
8 S1 SIDE A



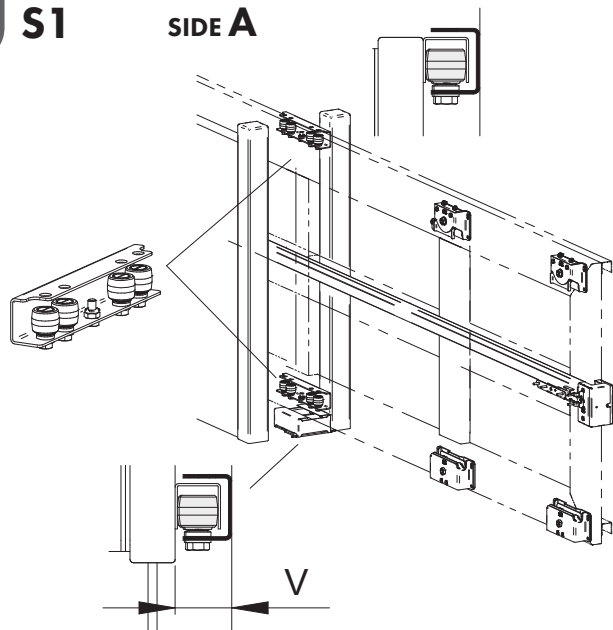
9 S2 SIDE B



10 S2 SIDE B

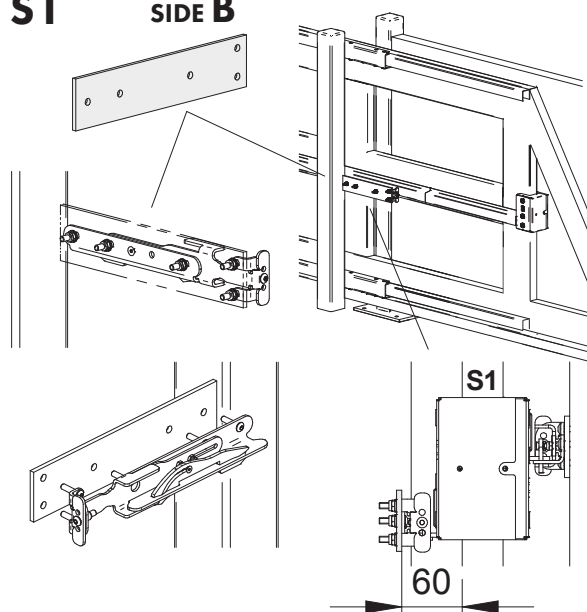


11 S1 SIDE A

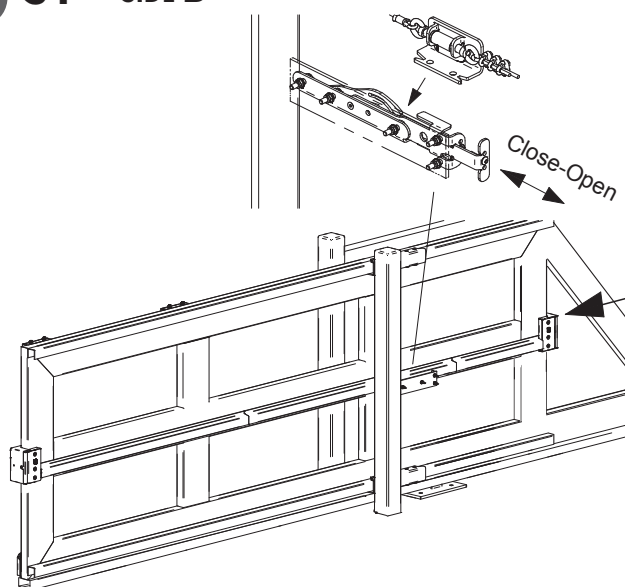


14

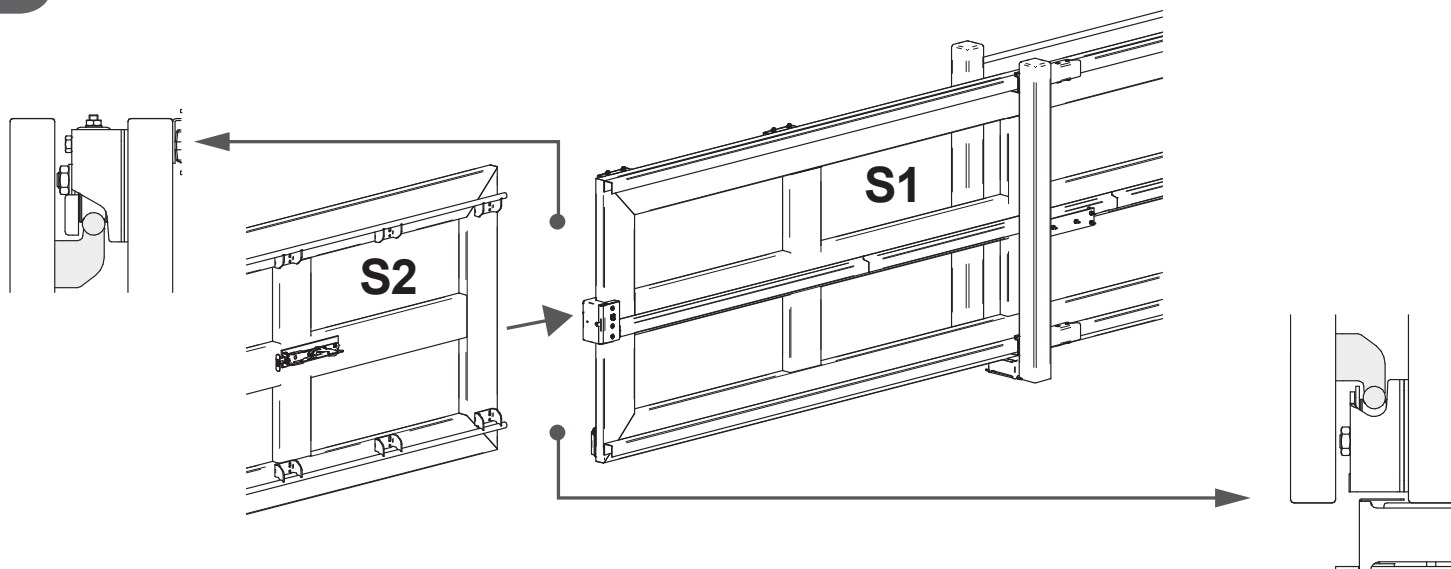
15 S1 SIDE B



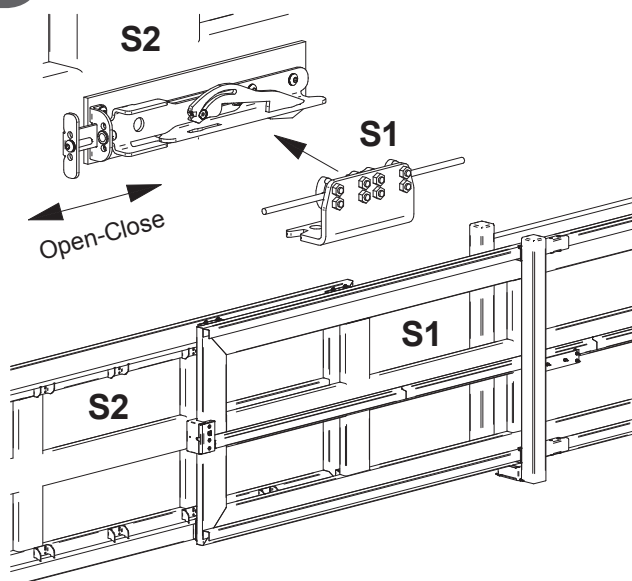
16 S1 SIDE B



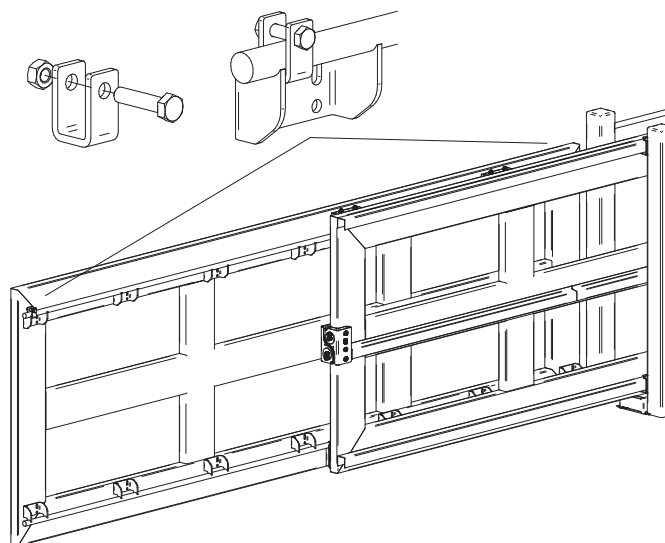
17



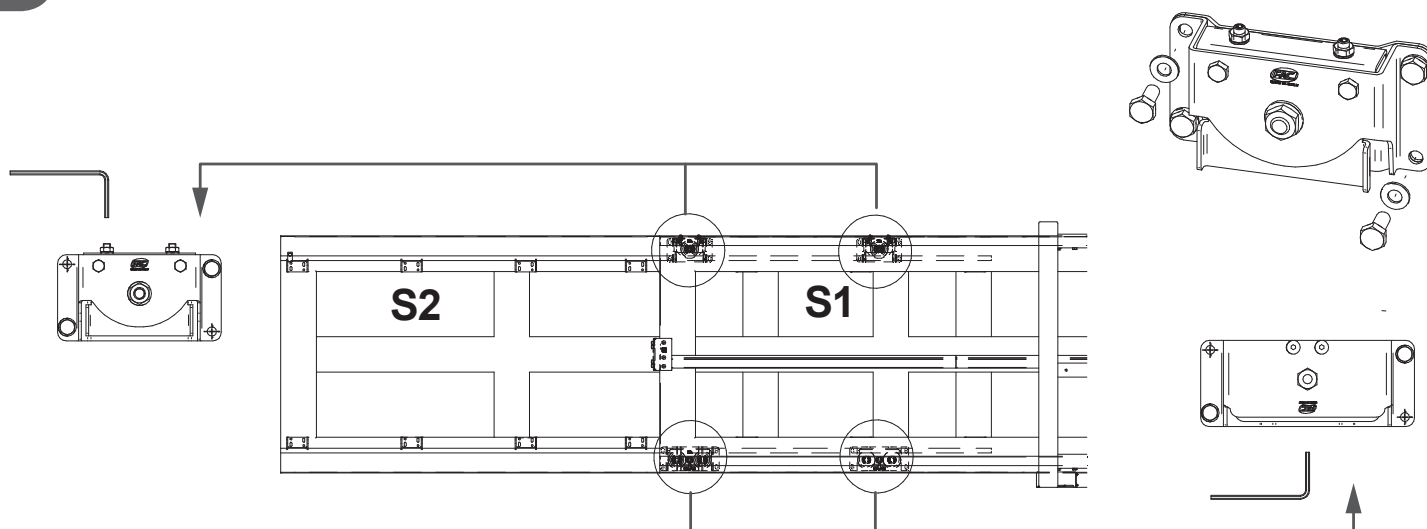
18 SIDE A



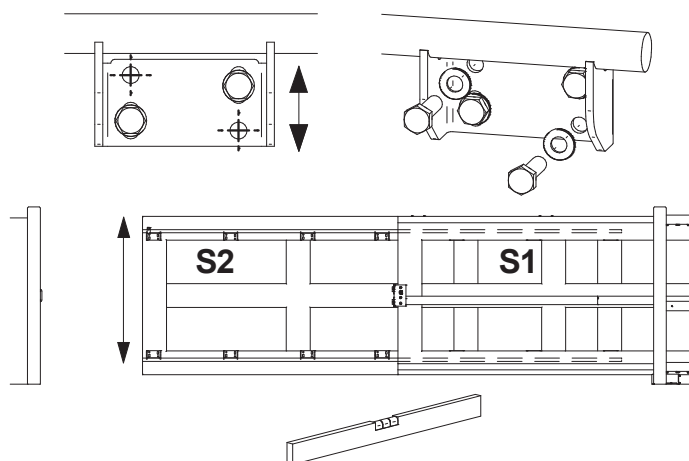
19 SIDE B



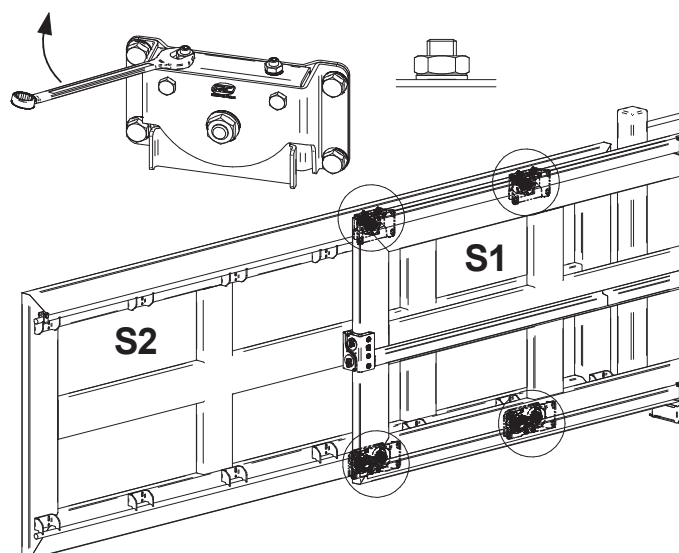
20 SIDE B



21 SIDE B

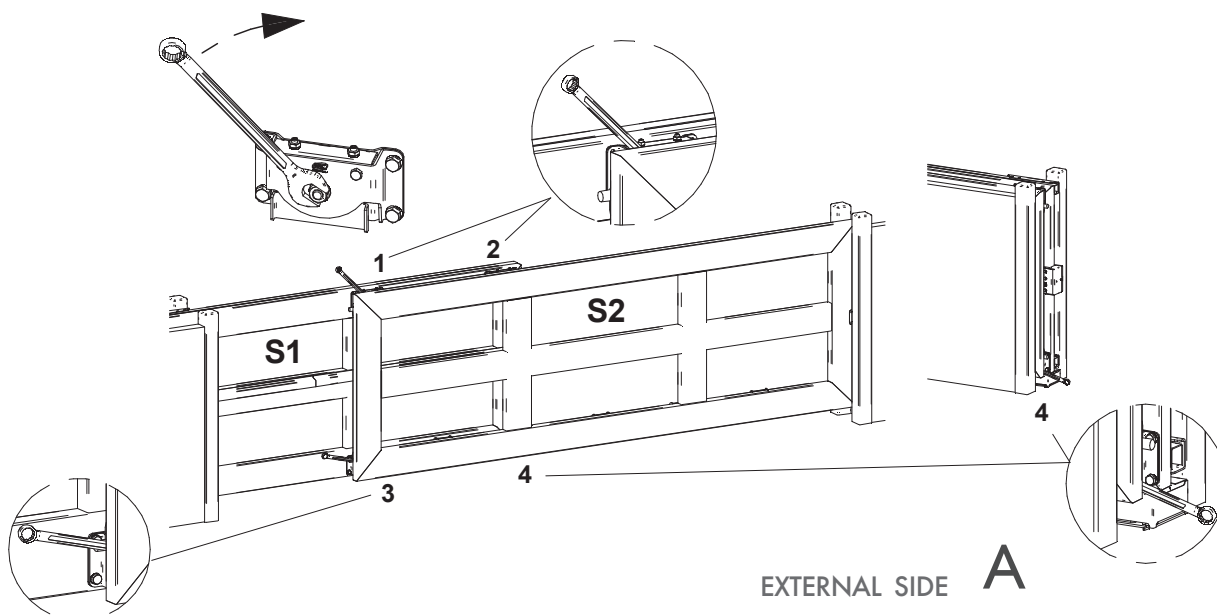


22 SIDE B





23



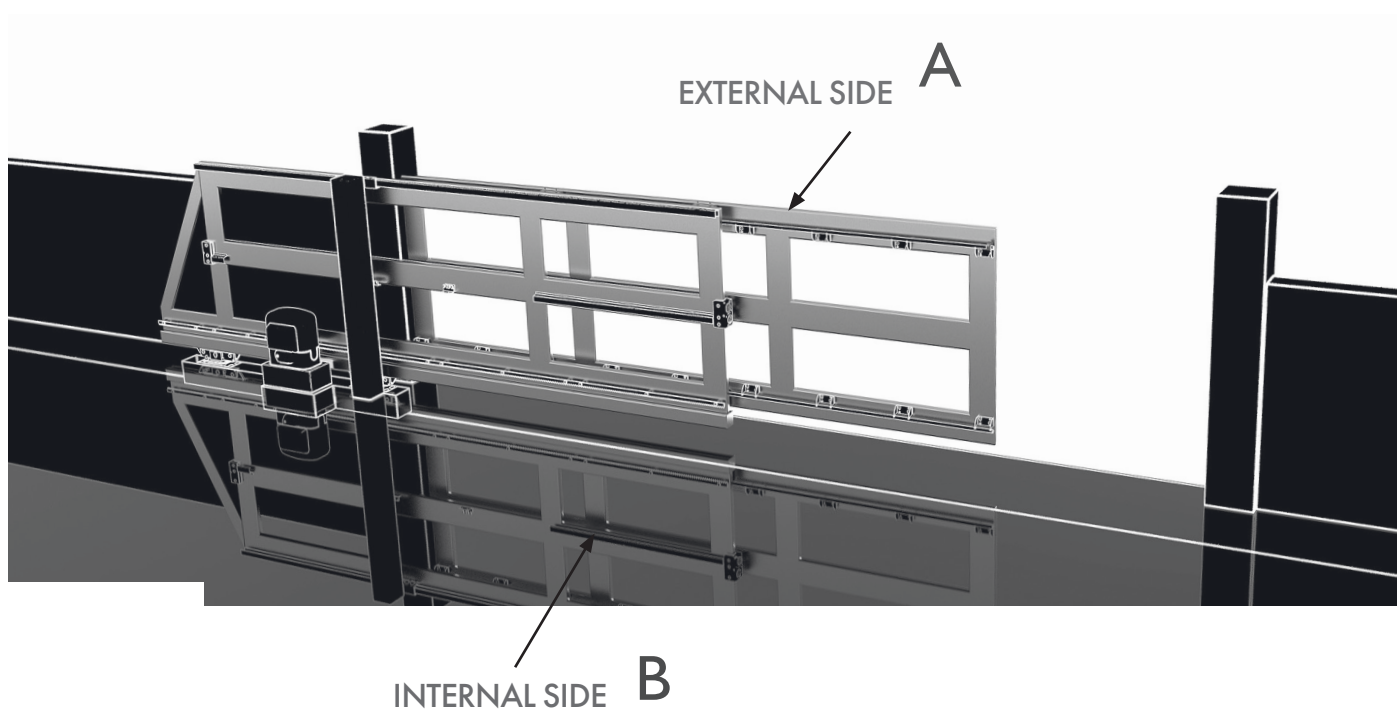
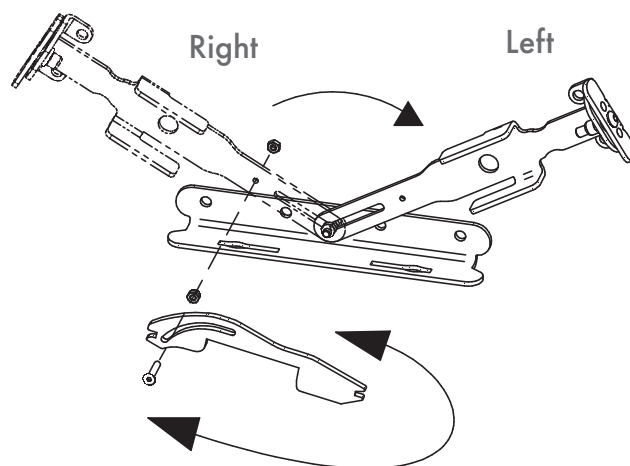
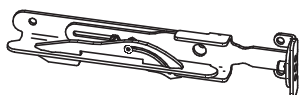


LEFT VERSION

For the assembly of the left version, follow the same instructions but interpreting in the opposite direction.
Pay attention to the points given below:

Prepare the right and left hitches in the indicated quantities

2x Left





MAINTENANCE

1. Perform all functioning inspections manually at the end of the installation; periodically check that the system is functioning, that it is well lubricated and does not have any loosening (we suggest a full examination every 3 months or after 8000 cycles). If necessary, adjust the tensioning of the cable and/or lubricate it. (see fig. 8-10)
2. If the cable is loose repeat the tensioning procedure.
3. In case of malfunctions due to wear or accidental impacts, make sure that all components apt to support the gate and its maintenance are intact. If necessary, proceed with substitution.
4. The use of these items in harsh ambient conditions, such as: high humidity; high temperatures, salty, acid or dusty environments, etc. significantly reduce the duration of the bearings and other parts.
5. Umakov ensures the system correct functioning only using original spare parts.

Attention: The kit included accessories and the proposed installation make reference to a standard example. An installation not in accordance with the illustrated procedure and the omission of the correct maintenance might compromise nearby things and people's security. Make sure that all accessories suit the specific work and make sure to use the necessary safety devices provided by current regulations.

For more information: info@umakov.sk