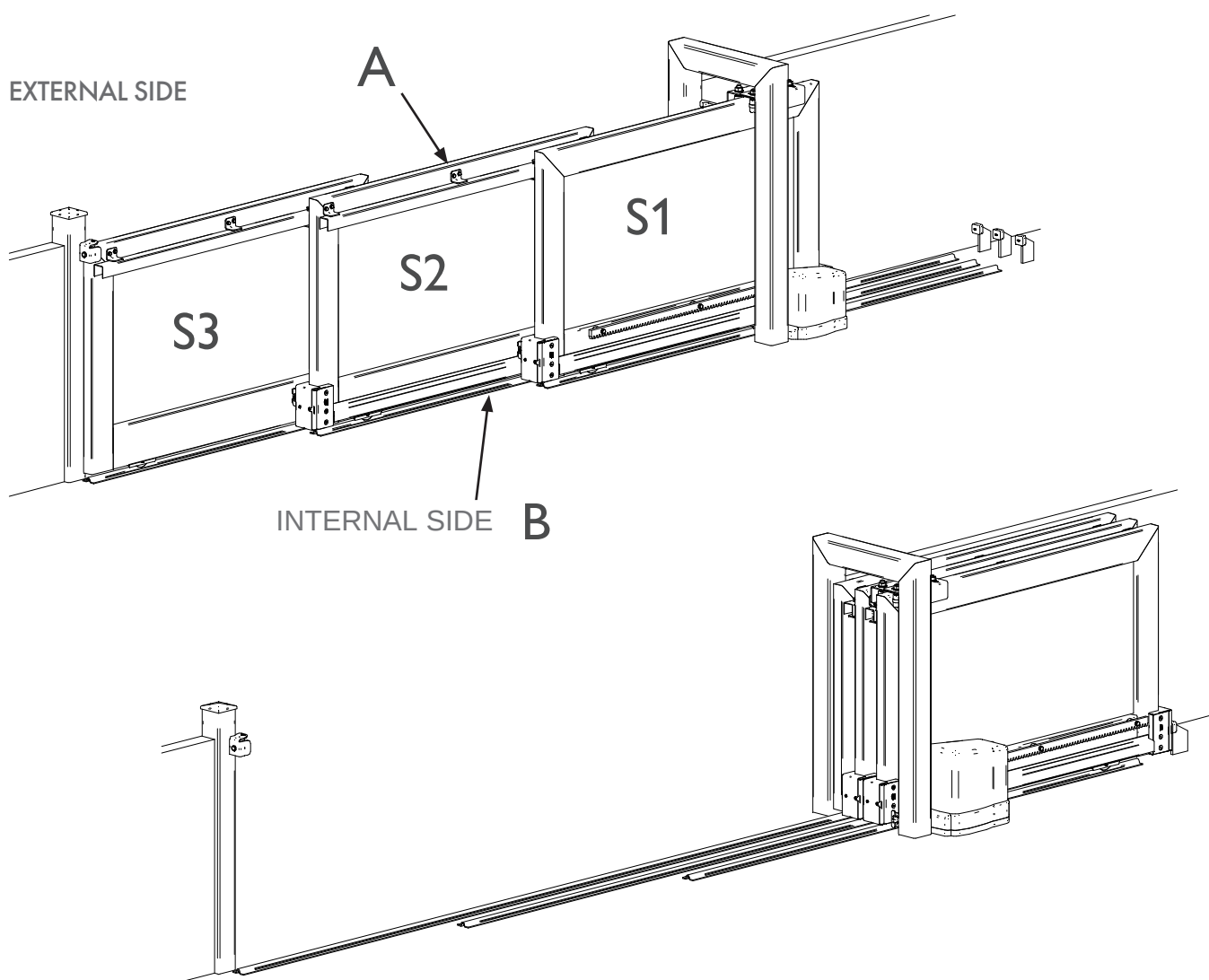


TS-S3-15 MULTI-LEAF TELESCOPIC KIT

Galvanized accessories Kit for the installation of a 3 leaves telescopic gate. A gear motor may be required to control the operating speed and the load on the motor. The kit is designed to be mounted on the right side (for the left side version consult the specific manual section).

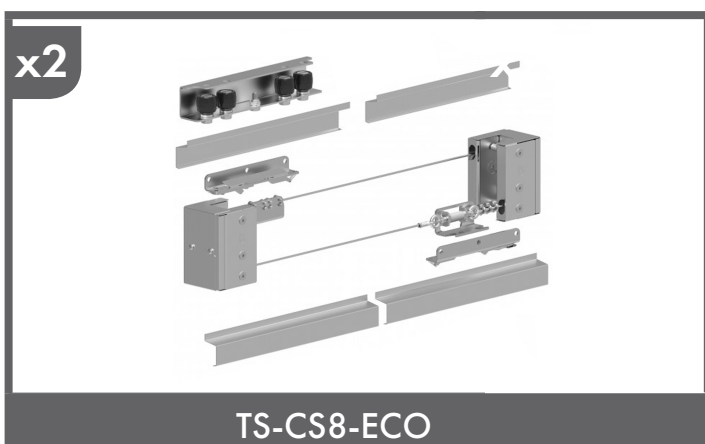
RIGHT VERSION (FOR THE LEFT VERSION SEE PAGE 9)



WARNING :
IN ORDER TO BUILD A MULTI-LEAF GATE,
YOU HAVE TO ORDER 2 KITS.



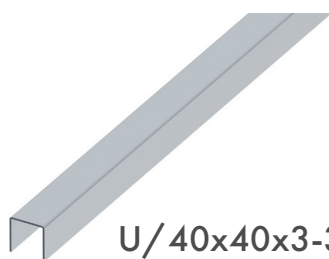
COMPONENTS FOR 2 KITS



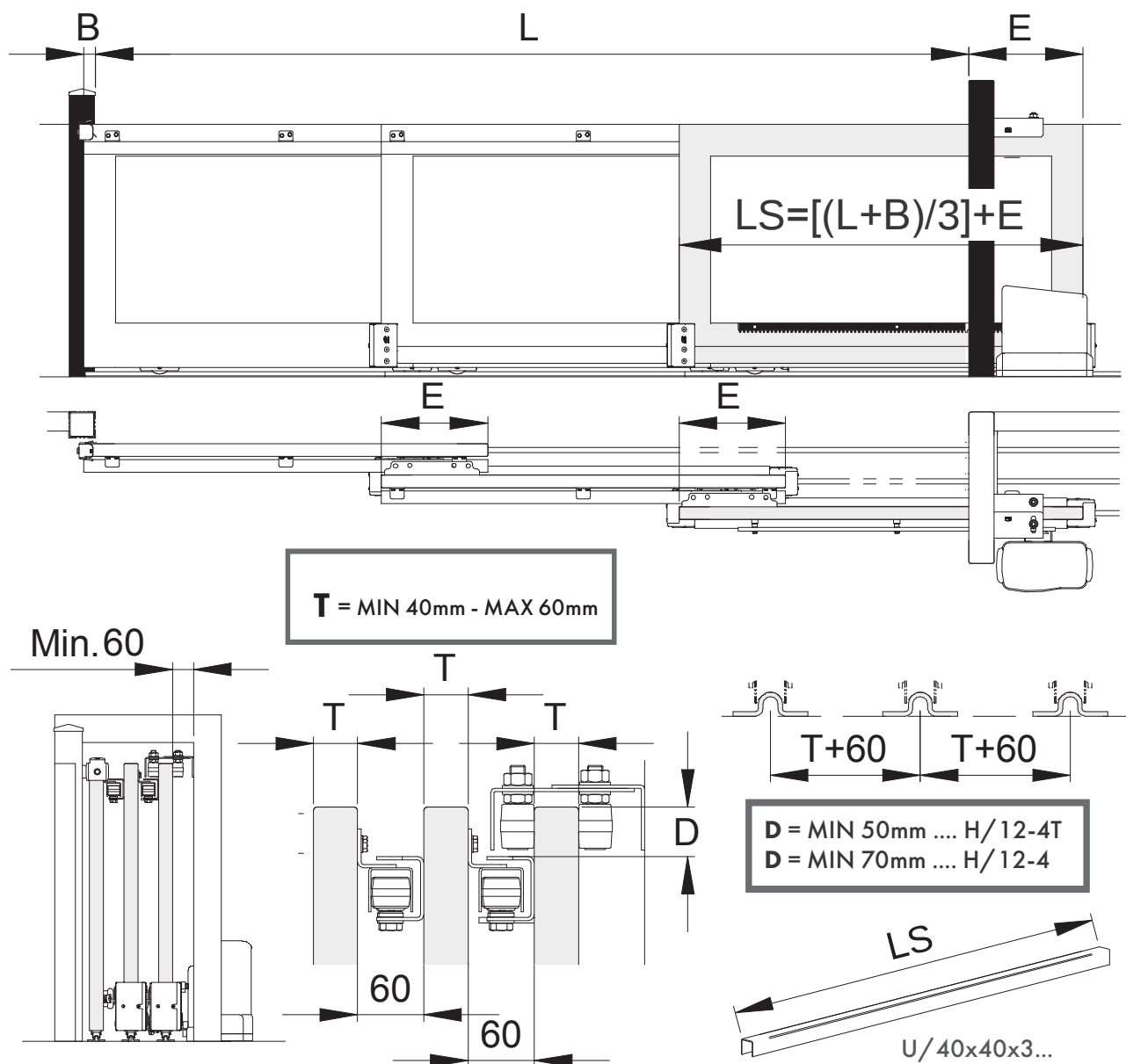
TS-CS8-ECO



RELATED ITEMS

U/ 40x40x3-3M
U/ 40x40x3-6MH/39V-...
H/39U-...H/12-4
H/12-4TH/31...
H/38...
H/06...

H/10B...



LEAVES DIMENSIONING

Max leaf weight = 200 Kg
for $B=0,08\text{m}$

L	LS	min E
3000	1380	350
4000	1710	
5000	2040	
6000	2380	
7000	2710	
8000	3040	
9000	3630	600
10000	3960	
11000	4290	
12000	4630	
13000	4960	
14000	5290	
15000	5630	

EXAMPLE OF OUT-OF-TABLE MEASUREMENTS

$L = 7,6 \text{ m}$
 $B = 0,08 \text{ m}$ (selected by the customer)
 $E = 0,35 \text{ m}$ (see table)
 $LS = [(L+B)/3] + E$
 $L = [(7,6+0,08)/3] + 0,35 = 2,91$

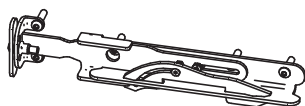


TECHNICAL INFO

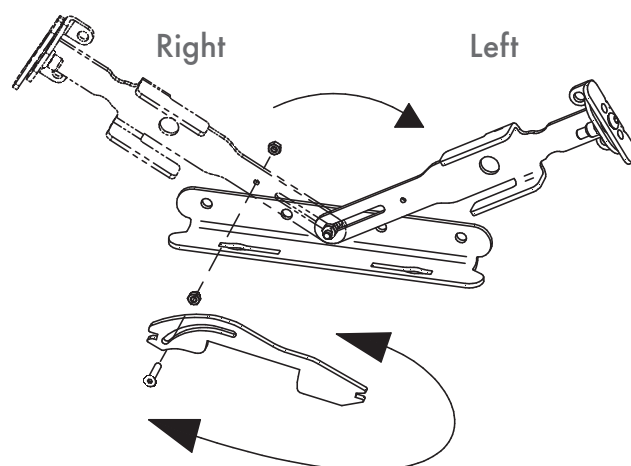
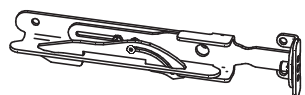
1. The use of limit stops and the installation of safety screws is compulsory.
2. For the motor choice = you have to consider the weight that the motor has to support, unlike the normal cases. To calculate the gate weight, you need to add the weight of the first leaf to twice the weight of the second leaf, to the triple weight of the third leaf, and so on...
Weight $S1 + (2 \times \text{weight } S2) + (3 \times \text{weight } S3)$.
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.

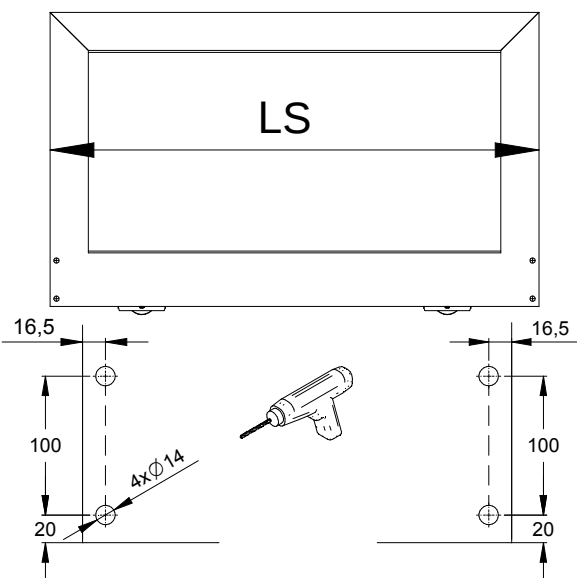
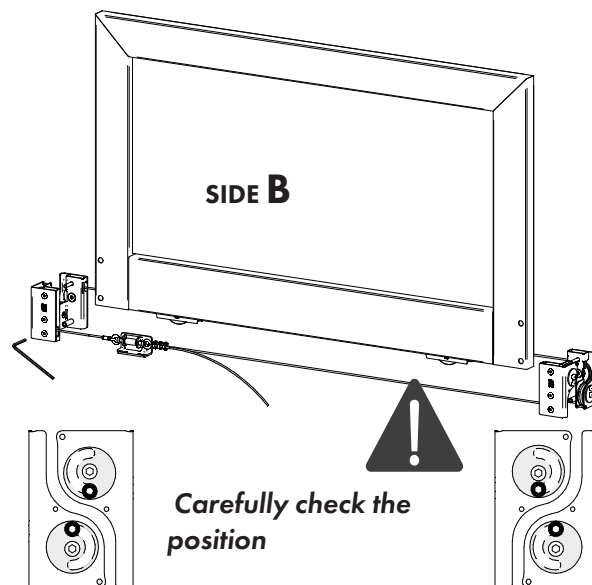
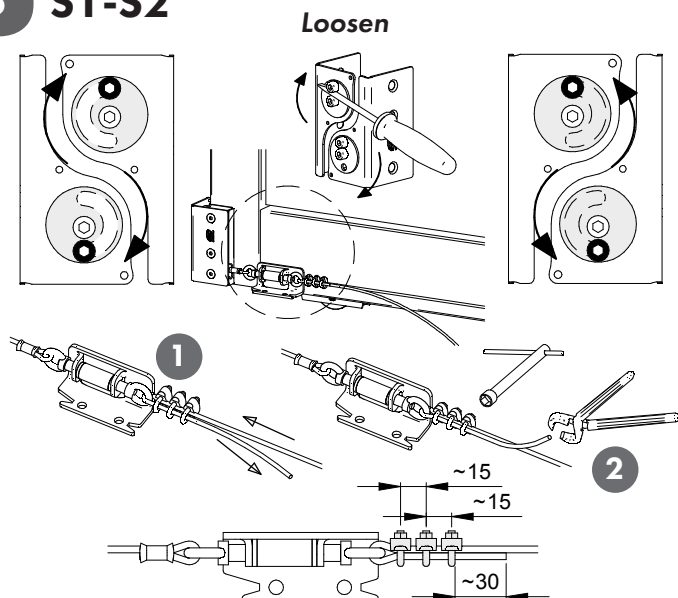
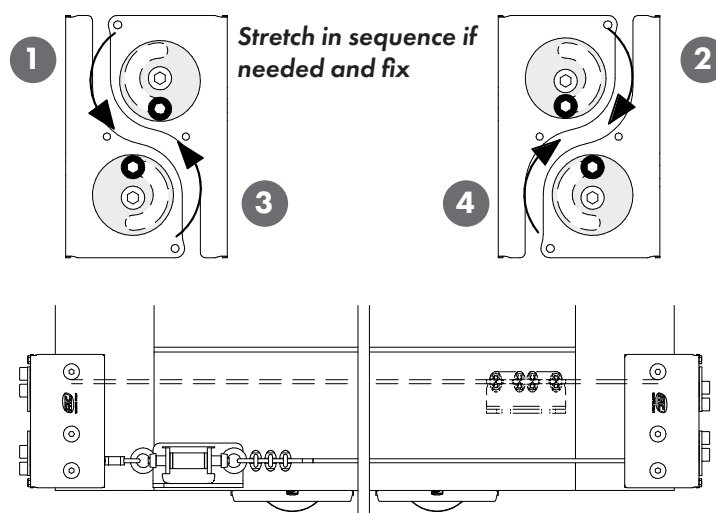
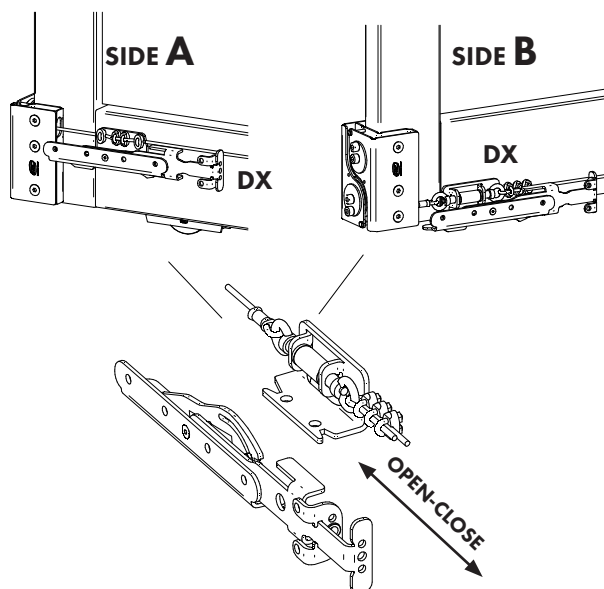
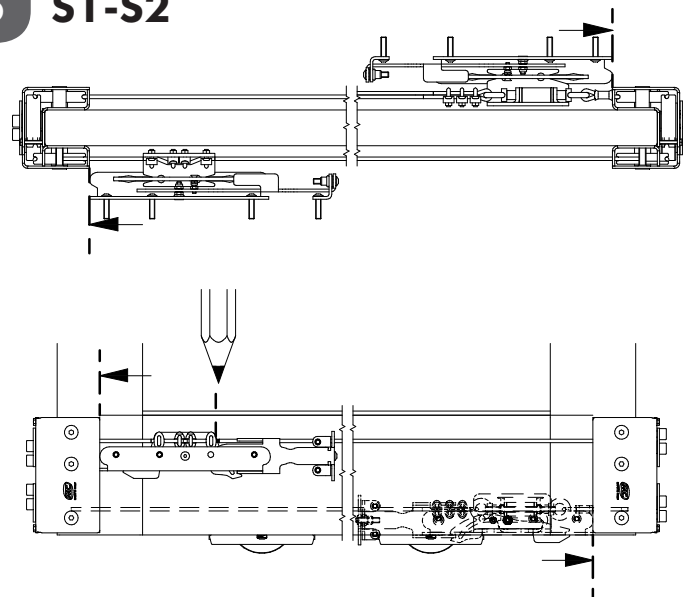
PREPARE THE RIGHT AND LEFT HITCHES IN THE INDICATED QUANTITIES:

3x Right

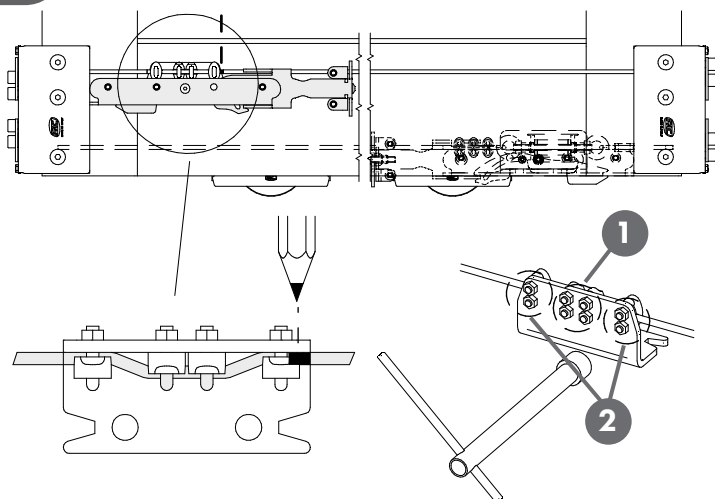


1x Left



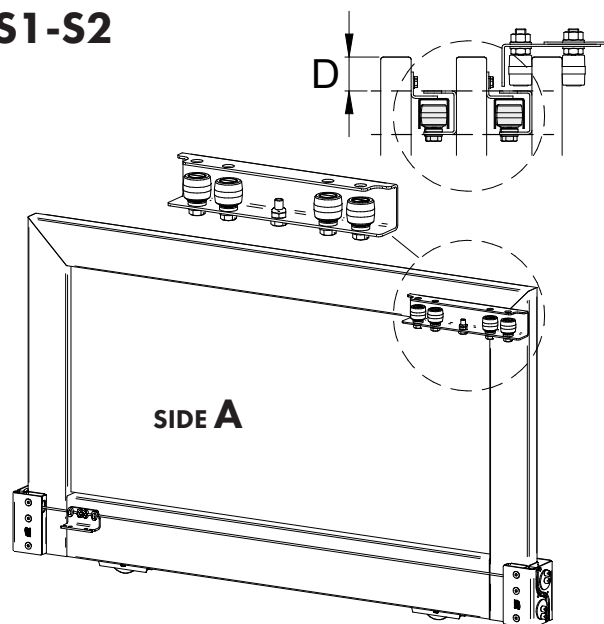
**1 S1-S2****2 S1-S2****3 S1-S2****4 S1-S2****5 S1-S2****6 S1-S2**

7 S1-S2

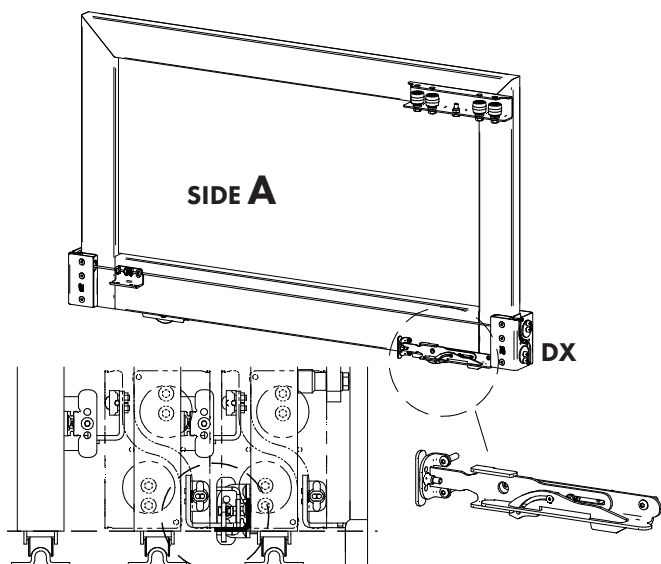


Tighten in the correct sequence

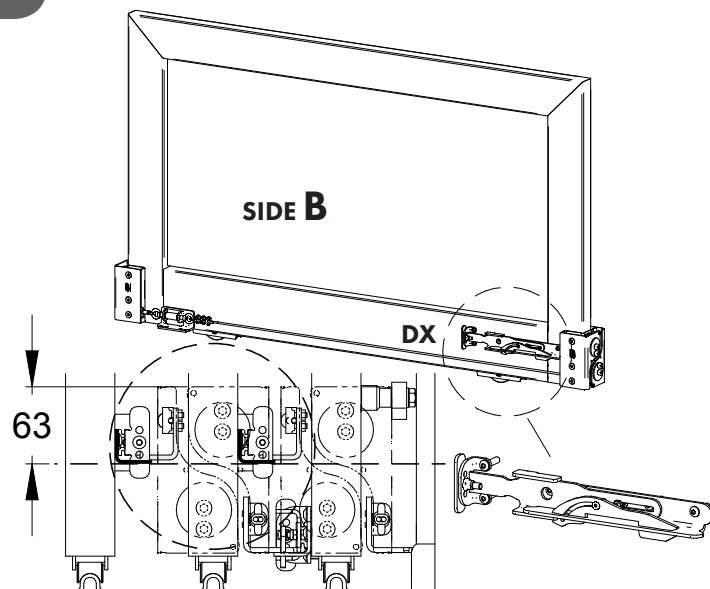
8 S1-S2



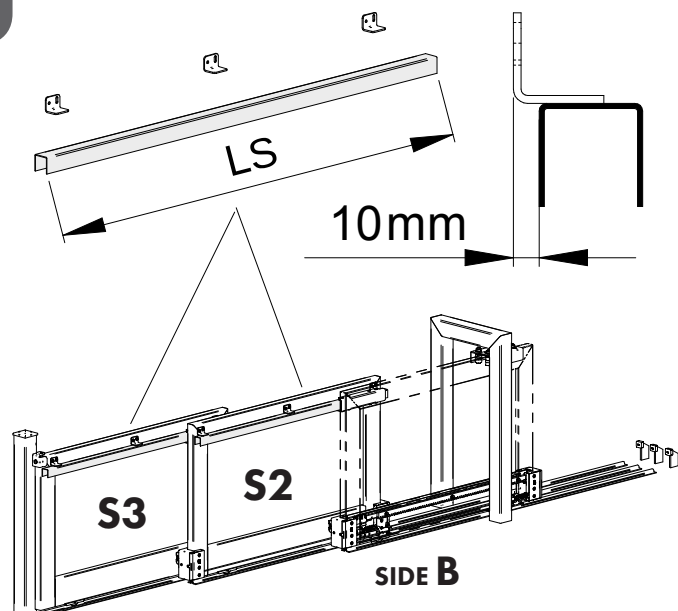
9 S1



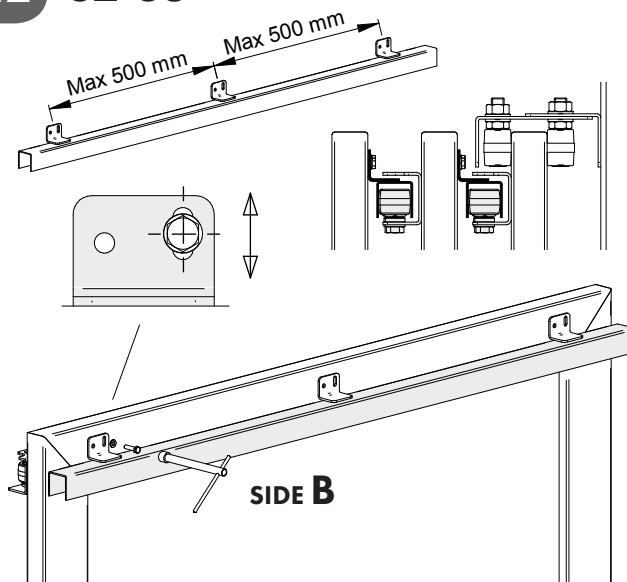
10 S2-S3



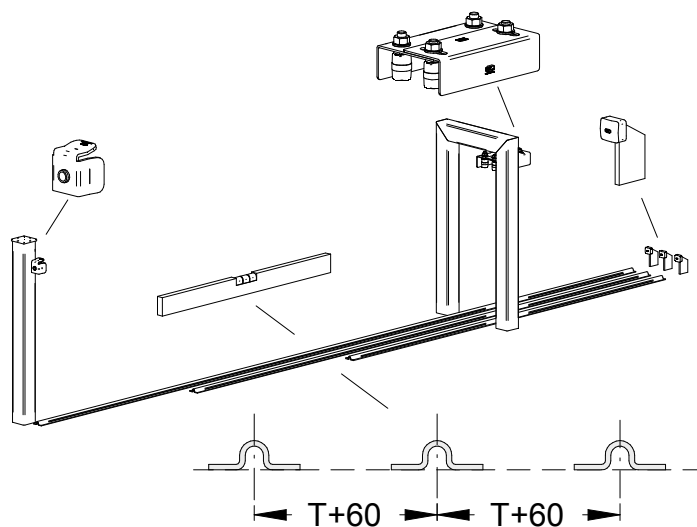
11



12 S2-S3



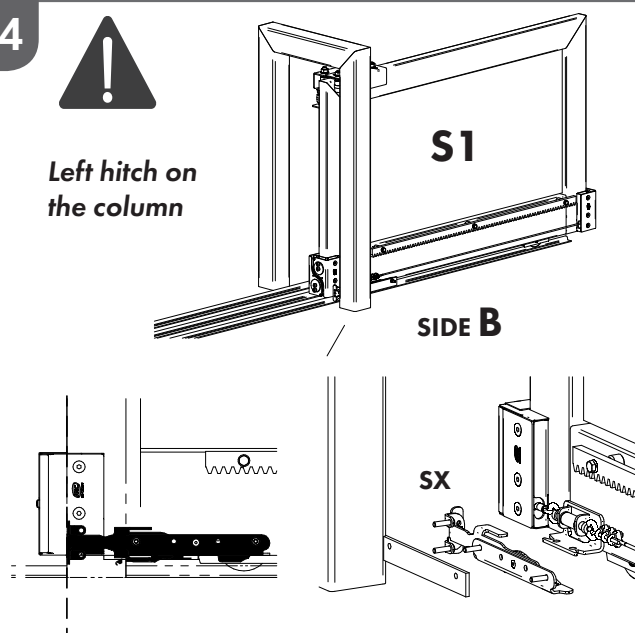
13



14

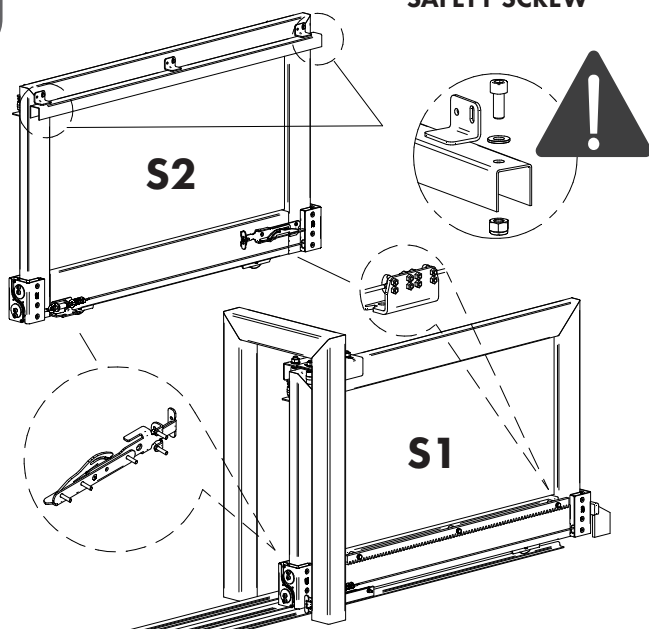


Left hitch on
the column



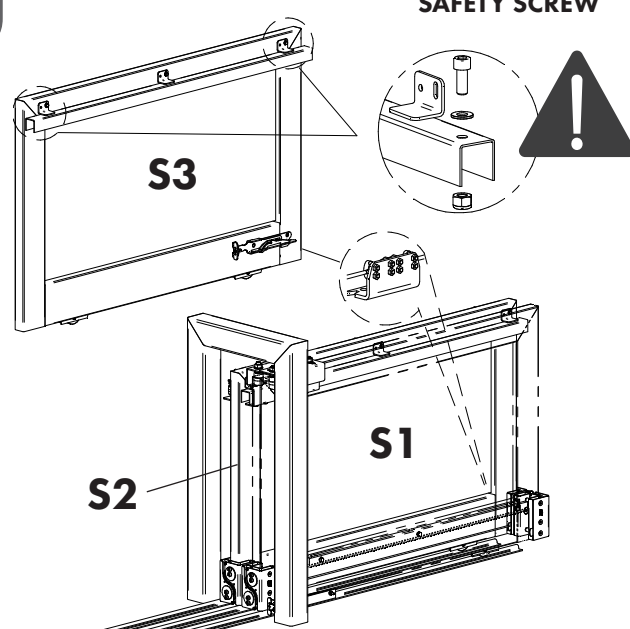
15

SAFETY SCREW

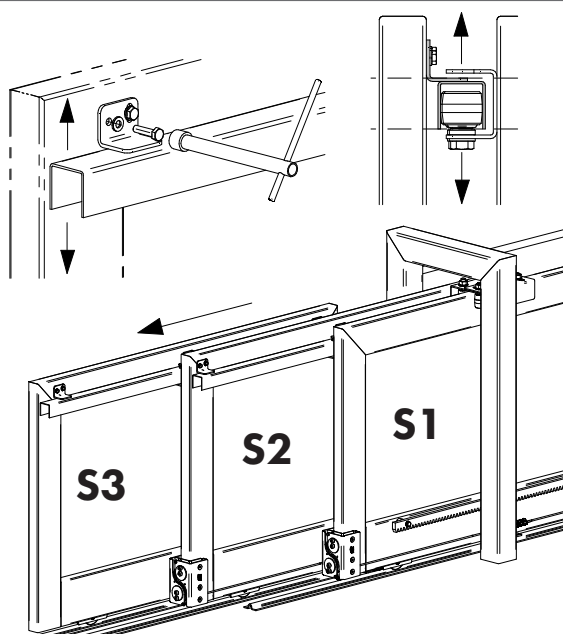


16

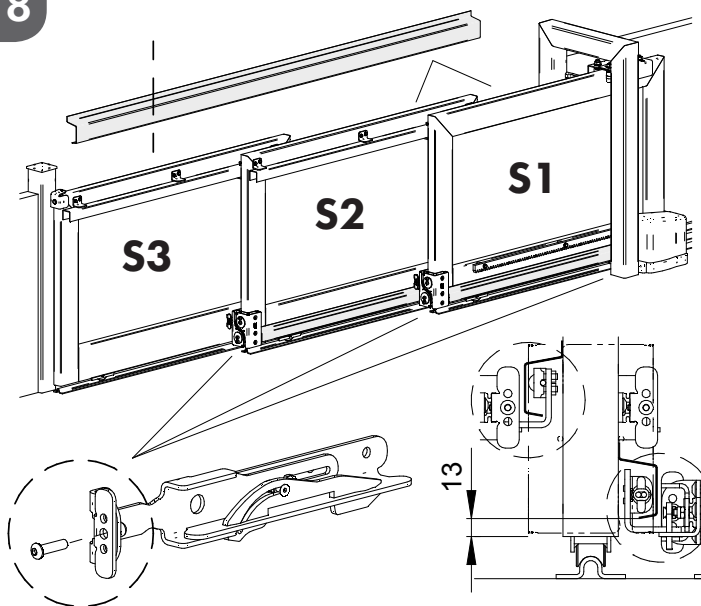
SAFETY SCREW



17

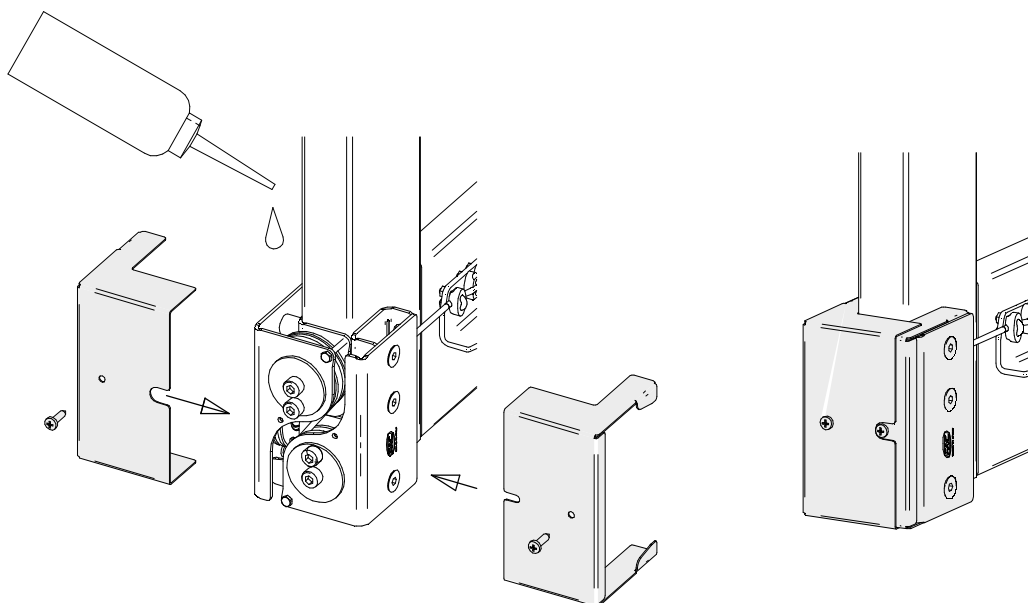


18





19

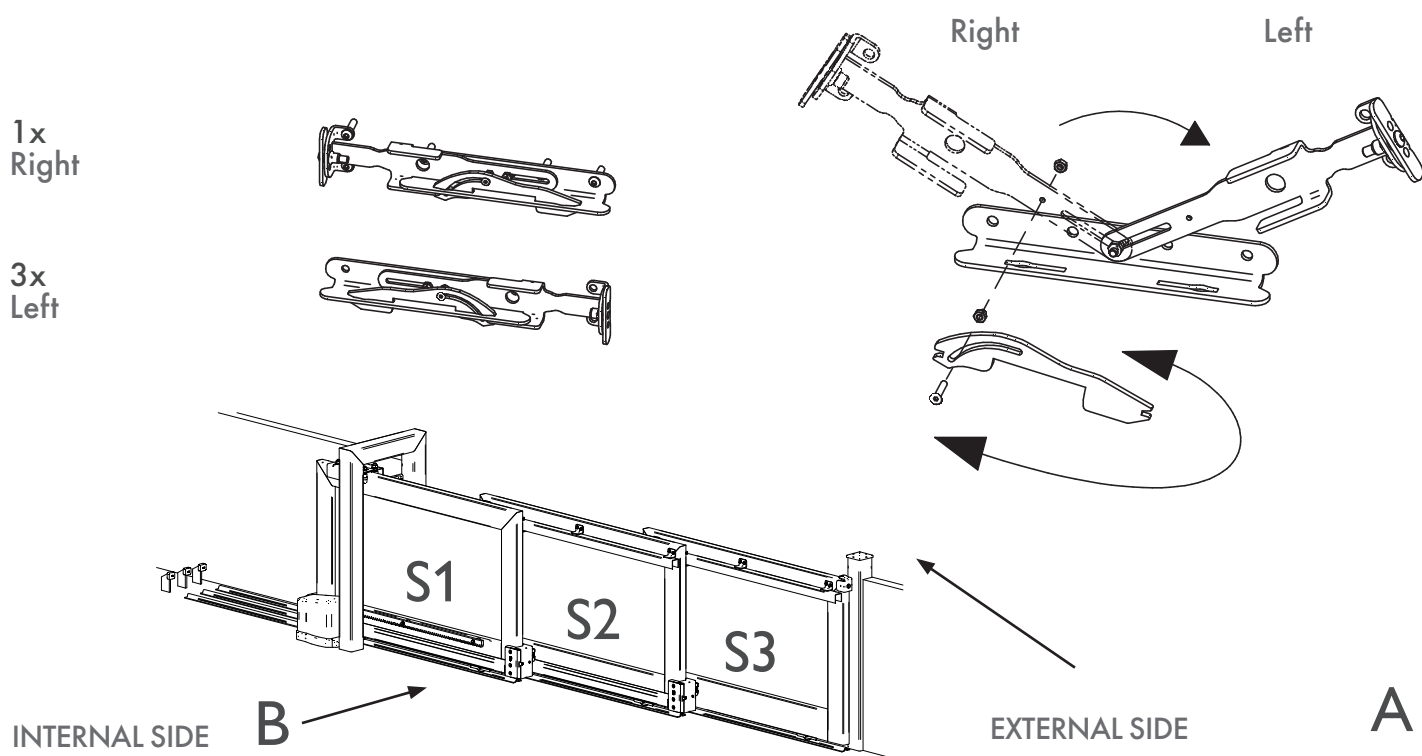




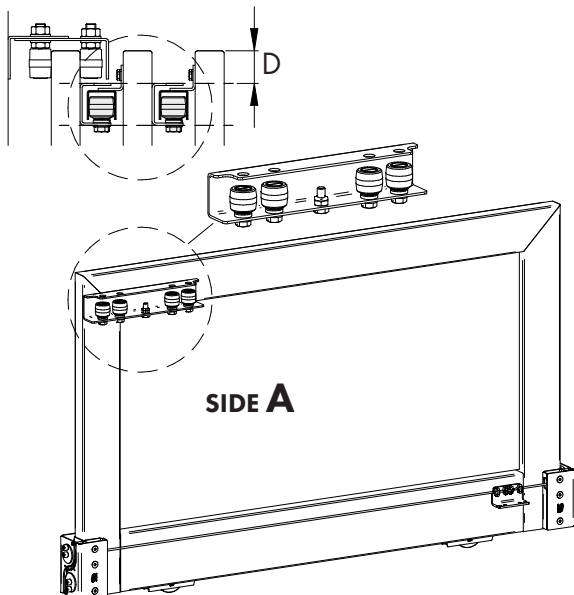
LEFT VERSION

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

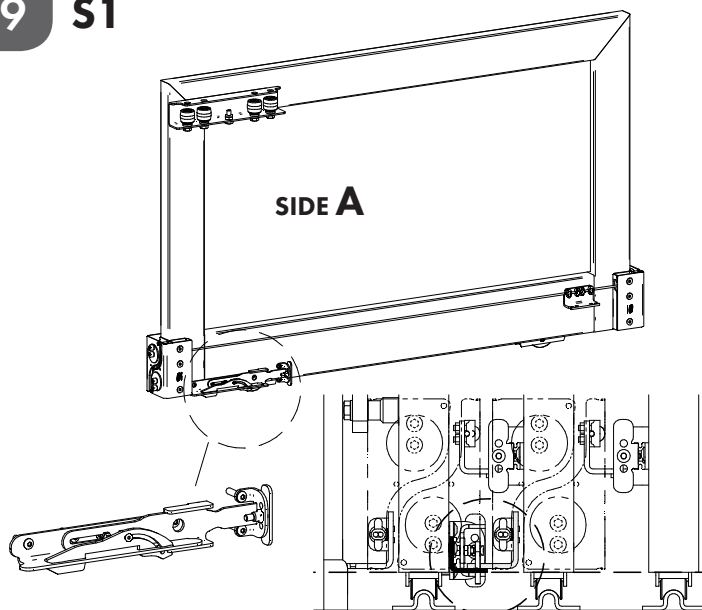
Prepare the right and left hitches in the indicated quantities:



8 S1-S2

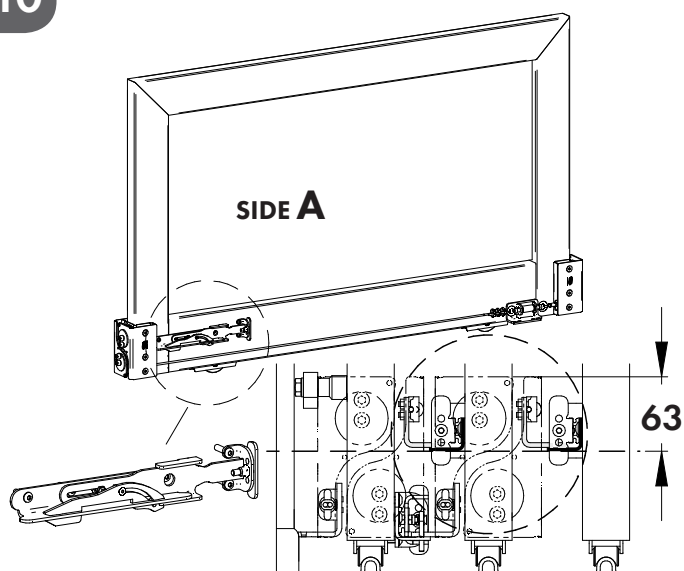


9 S1

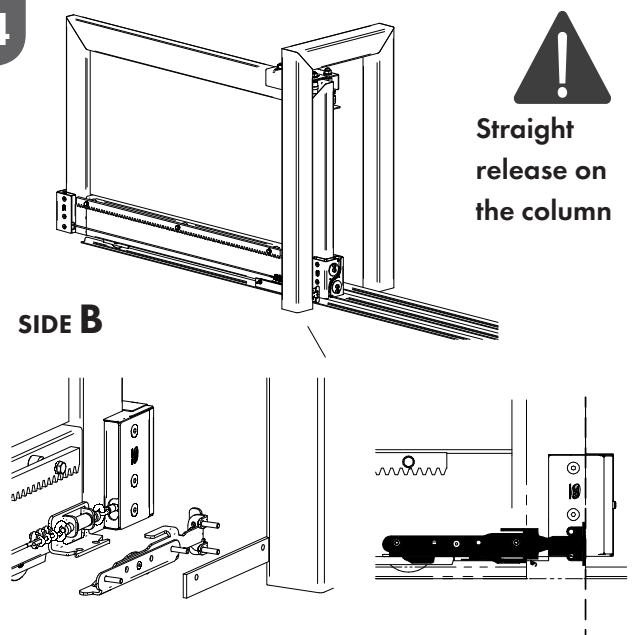




10



14



Maintenance

To keep these items in optimal working and safe condition, it is necessary to follow these steps:

1. Once assembly is complete and after performing a few opening and closing operations, make sure there are no loose parts and always keep the system well lubricated. Check at most every 8000 cycles and every 3 months. If necessary, action must be taken by tightening the screws and lubricating the cable. (See image 8-10)
2. If the cable is loose, the tensioning procedure must be repeated.
3. In the event of shocks caused by vehicles or other causes, make sure that the parts of the gate have not been damaged and, if necessary, replace them.
4. Use of these items in extreme environmental conditions, such as: high temperatures, high humidity, salty, acidic or dusty environments, etc. significantly reduces the life of bearings and other parts.
5. Umakov guarantees the correct functioning of the system only if original spare parts are used.

Note:

For additional information you can write to info@umakov.sk