



## KIT AUTOPORTANTE GUARDIAN TELESCOPICO GUARDIAN TELESCOPIC CANTILEVER KIT

Kit di accessori in acciaio zincato per la realizzazione di cancelli autoportanti telescopici. Il movimento tra le semi-ante viene trasmesso da un sistema a fune in acciaio zincato con anima in polipropilene.

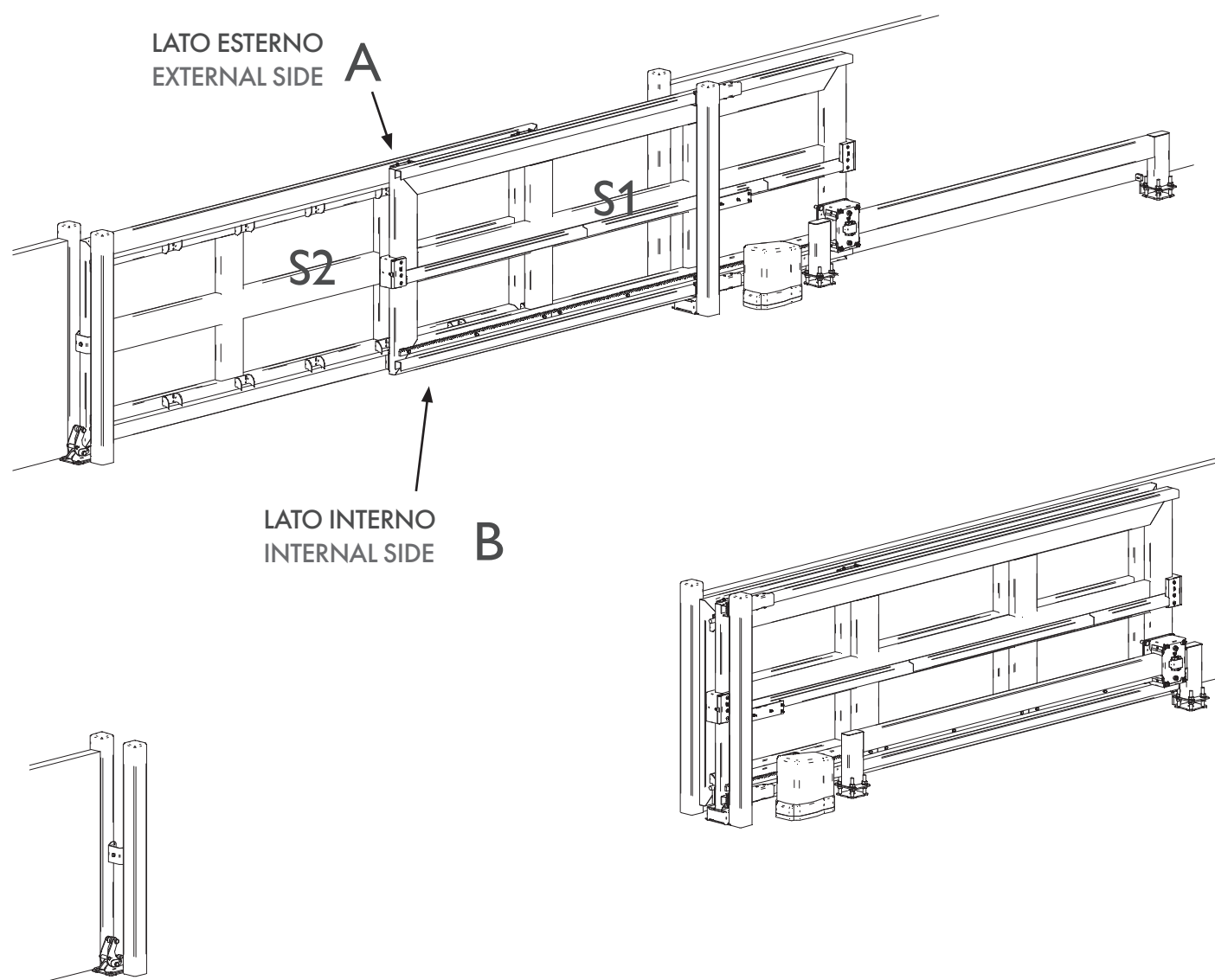
Il kit guardian telescopico unisce le caratteristiche di compattezza grazie alle ante telescopiche che in fase di apertura riducono notevolmente l'ingombro, ai vantaggi del sistema autoportante.

*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.*

VERSIONE DESTRA (PER LA VERSIONE SINISTRA VEDERE PAG. 11)

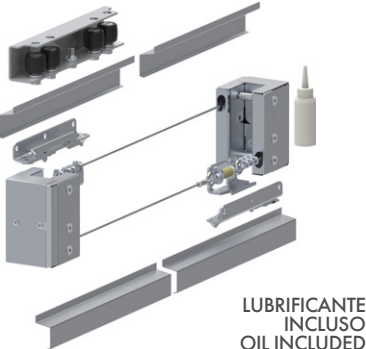
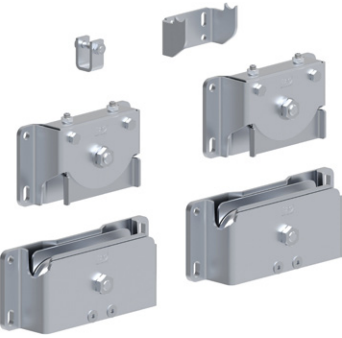





RIGHT VERSION (FOR THE LEFT VERSION SEE PAGE 11)



**KD2150.100 APERTURA FINO A 8m - OPENING UP TO 8m**



COMPONENTI  
COMPONENTS

|  |  |  |
|--|--|--|
| <p>x1</p>  <p>LUBRIFICANTE<br/>INCLUSO<br/>OIL INCLUDED</p> | <p>x1</p>   | <p>x1</p>   |
| <p>KD5102.006</p>  | <p>KD3100.075</p>  | <p>VD2200.100</p>  |
| <p>x1</p>    | <p>x2</p>  | <p>x2</p>  |
| <p>VD2100.100</p>  | <p>VD2501.100</p>  | <p>VD2500.100</p>  |
| <p>x1</p>   |  |  |
| <p>VA4101.100</p>  |  |  |



ARTICOLI CORRELATI

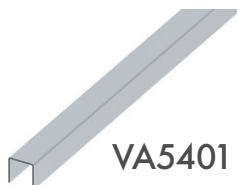
Collegati al nostro sito per le diverse tipologie e misure disponibili

RELATED ARTICLES

Click on our website for other related items



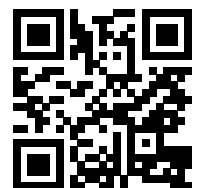
VD2350

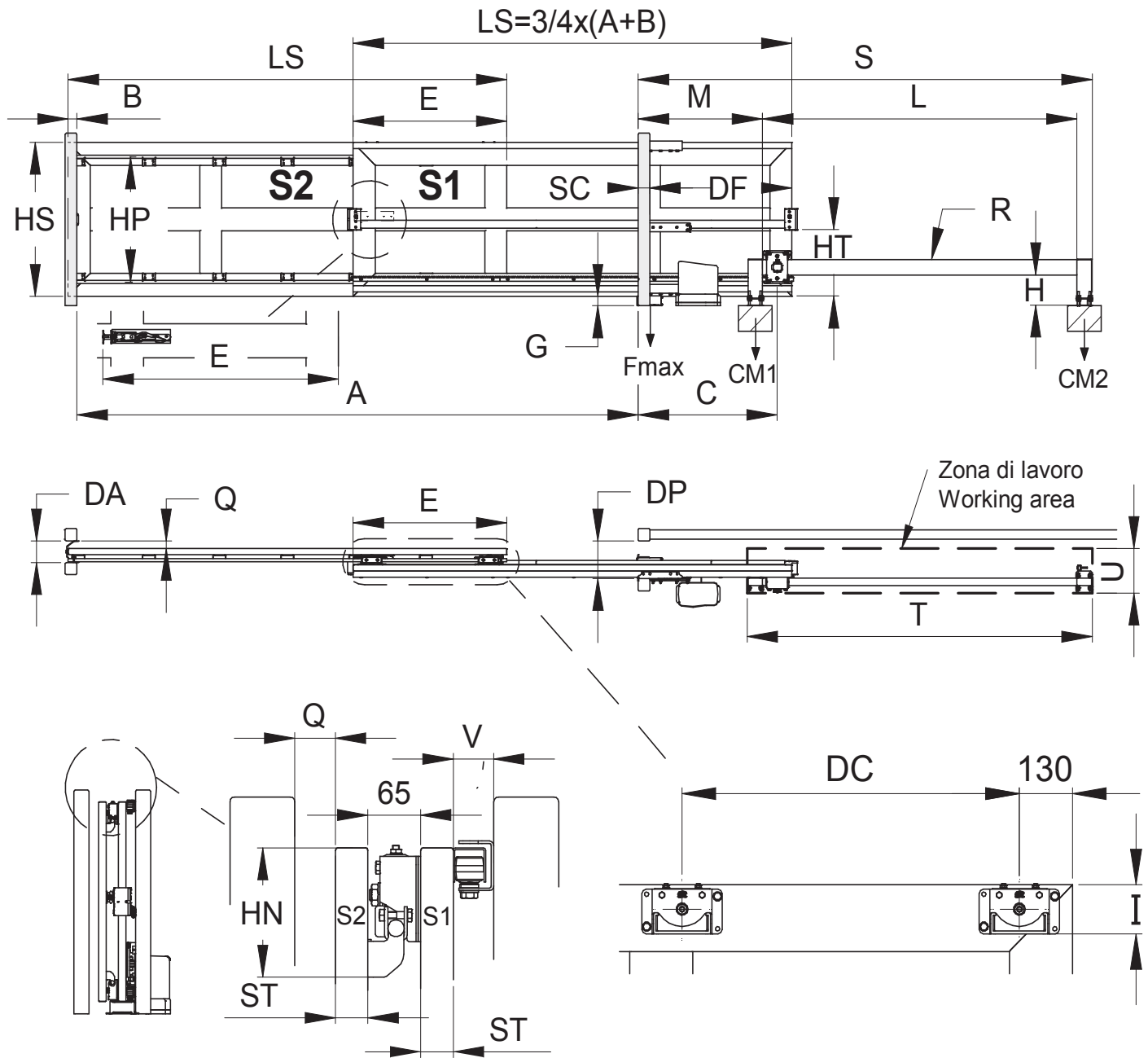


VA5401



VA54011





**DIMENSIONAMENTO ANTE / LEAVES DIMENSIONING**

| G min (m) | H min (m) | V min (mm) | HS min (m) | HN min (mm) | HT min (m) | I min (mm) | R (mm)      | ST (mm) | F max (kg) | S2 max (kg) | S1+S2 max (kg) | CM1 min (kg) | CM2 min (kg) | U (m)     |
|-----------|-----------|------------|------------|-------------|------------|------------|-------------|---------|------------|-------------|----------------|--------------|--------------|-----------|
| 0,06      | 0,200     | 50         | 0,6        | 140         | 0,300      | 100        | 100x50 sp.3 | 40÷80   | 950        | 250         | 500            | 1000         | 100          | 0,29÷0,37 |

I valori in tabella sono calcolati con B=0,1 m  
The values in the following table are calculated with B=0.1 m

| A [m] | LS [m] | E [m] | C [m] | DC [m] | Smin [m] | L [m] | M [m] | T [m] | Q [mm] | DT [m] |
|-------|--------|-------|-------|--------|----------|-------|-------|-------|--------|--------|
| 3,5   | 2,70   | 0,9   | 0,8   | 0,64   | ~2,9     | 2,02  | 0,7   | 2,3   | 50     | 0,85   |
| 4     | 3,08   | 1,03  | 0,93  | 0,76   | ~3,28    | 2,27  | 0,83  | 2,55  | 50     | 0,97   |
| 4,5   | 3,45   | 1,15  | 1,05  | 0,89   | ~3,65    | 2,52  | 0,95  | 2,80  | 50     | 0,11   |
| 5     | 3,83   | 1,28  | 1,18  | 1,01   | ~4,03    | 2,77  | 1,08  | 3,05  | 50     | 1,22   |
| 5,5   | 4,20   | 1,40  | 1,3   | 1,14   | ~4,4     | 3,02  | 1,2   | 3,3   | 50     | 1,35   |
| 6     | 4,58   | 1,53  | 1,43  | 1,26   | ~4,78    | 3,27  | 1,33  | 3,55  | 60     | 1,47   |
| 6,5   | 4,95   | 1,65  | 1,55  | 1,39   | ~5,15    | 3,52  | 1,45  | 3,8   | 60     | 1,60   |
| 7     | 5,33   | 1,78  | 1,68  | 1,51   | ~5,53    | 3,77  | 1,58  | 4,05  | 60     | 1,72   |
| 7,5   | 5,70   | 1,90  | 1,80  | 1,64   | ~5,9     | 4,02  | 1,7   | 4,3   | 60     | 1,85   |
| 8     | 6,08   | 2,03  | 1,93  | 1,76   | ~6,28    | 4,27  | 1,83  | 4,55  | 60     | 1,97   |

**ESEMPIO MISURE FUORI TABELLA  
EXAMPLE OF OUT-OF-TABLE MEASUREMENTS**

A = 4,2 m  
B = 0,1 m  
LS = 3/4x (A+B)  
LS = 3/4x (4,2+0,1) = 3,225 m

**ALTRE FORMULE UTILI  
OTHER USEFUL FORMULAS**

E (m) = LS/3  
M (m) = C-0,1  
S (m) = LS+0,2  
DA (mm) = Q+AT+60  
HP (mm) = HS-(2xI) + 30  
DC (m) = E-0,25

L (m) = 1/2 (A+B) + 0,22  
T (m) = L+0,28  
C (m) = E-0,1  
DP (mm) = (2xST)+V+Q+65  
DC (m) = E-0,26  
DF (m) = E-SC



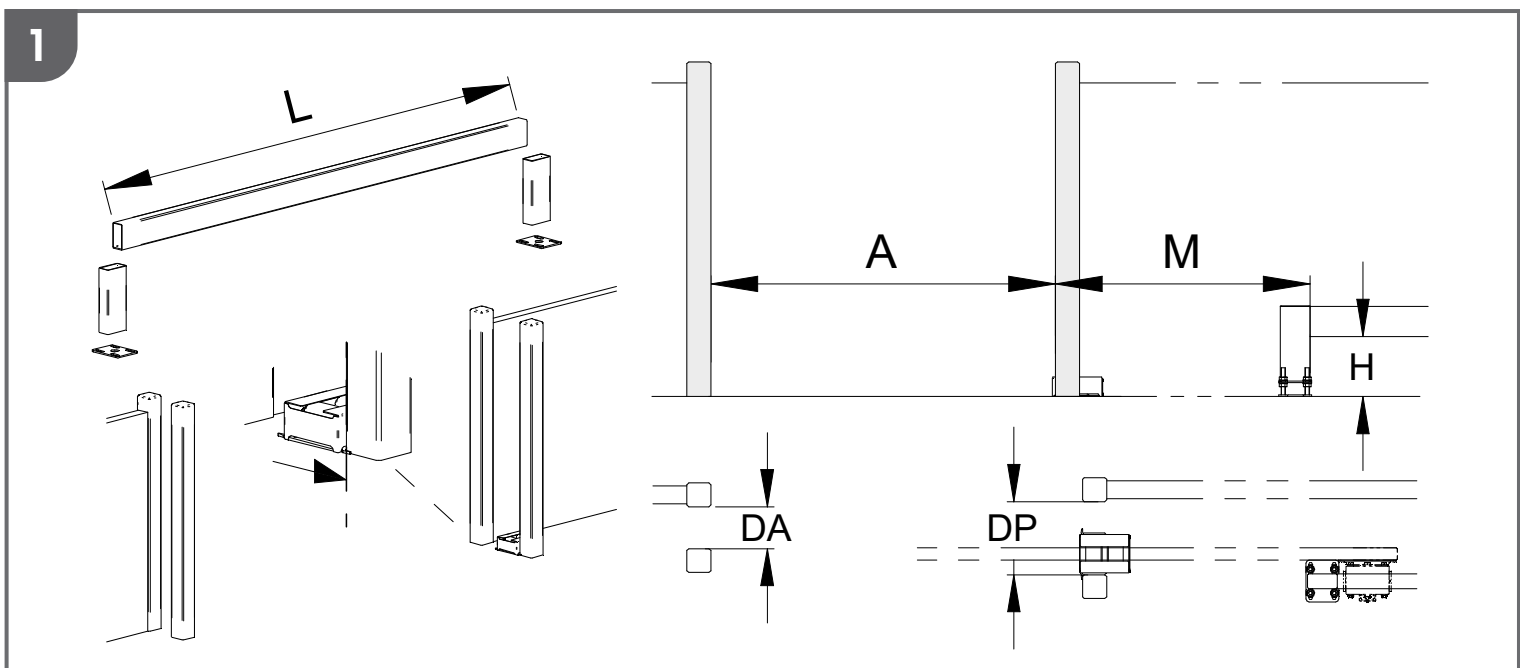
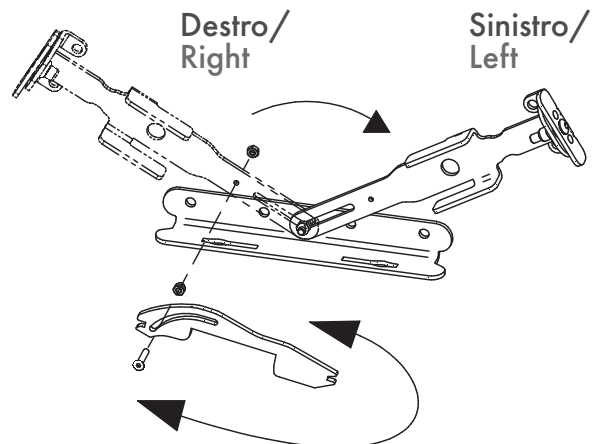
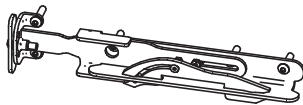
INFO TECNICHE  
TECHNICAL INFO

1. È obbligatorio l'utilizzo di battenti di fine corsa e l'installazione di viti di sicurezza ( fig. 25)
2. Per la scelta del motore : considerare il peso su cui andrà ad agire, diversamente da come avviene normalmente.  
Massa di riferimento per la scelta motore = 2x (Peso anta S1+ Peso anta S2)
3. Tipologia motore consigliato: 24Volt DC
4. Tensione ottimale della fune: sufficiente a mantenere la fune orizzontale, una tensione superiore o inferiore ne abbrevia la durata
5. Velocità di chiusura max. anta S2 = 0.18m/s
6. Arresti e partenze bruschi stressano il sistema riducendone la durata, inoltre possono causare malfunzionamenti e rotture
7. Accelerazioni, decelerazioni e variazioni di velocità elevate possono causare l'effetto elastico tra le ante durante il movimento.

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 = 2x (weight leaf S1 + 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 = 0,18m/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.

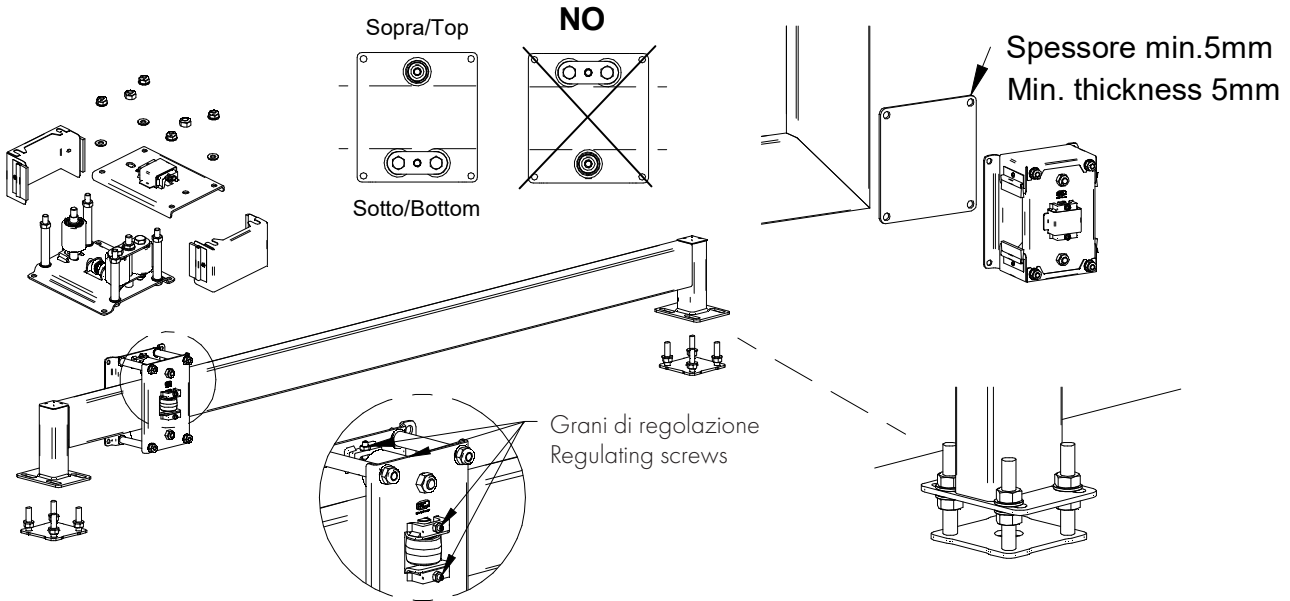
Preparare gli sganci Destri e Sinistri nelle quantità indicate:  
Prepare the right and left hitches in the indicated quantities:

2x  
Destro/Right



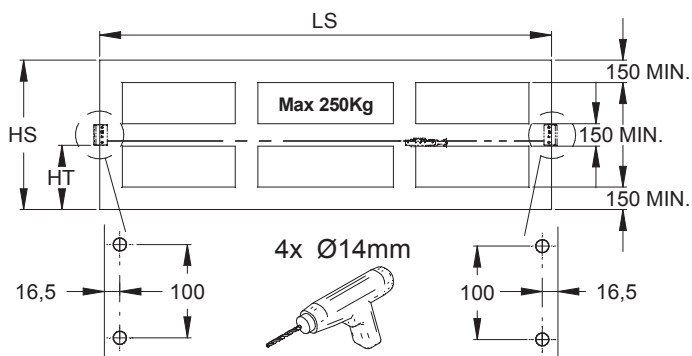


2

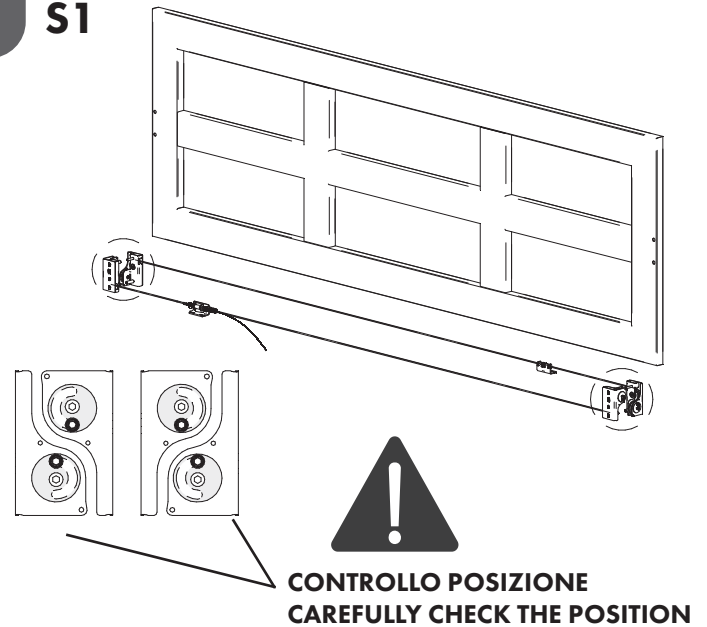


3 S1

MISURE CONSIGLIATE  
RECOMMENDED MEASURES

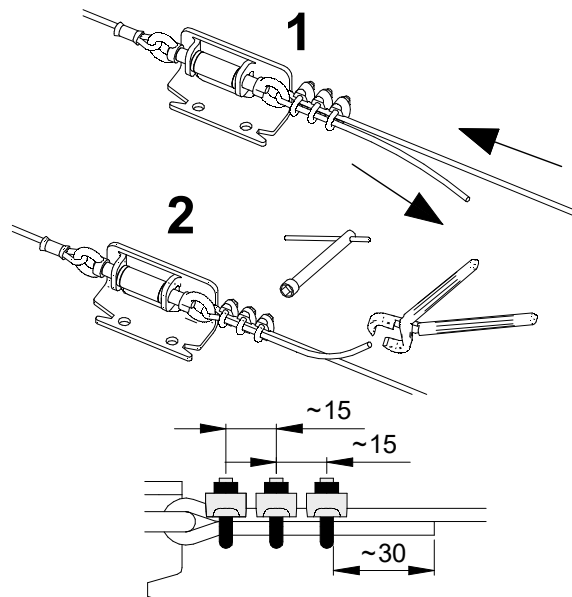
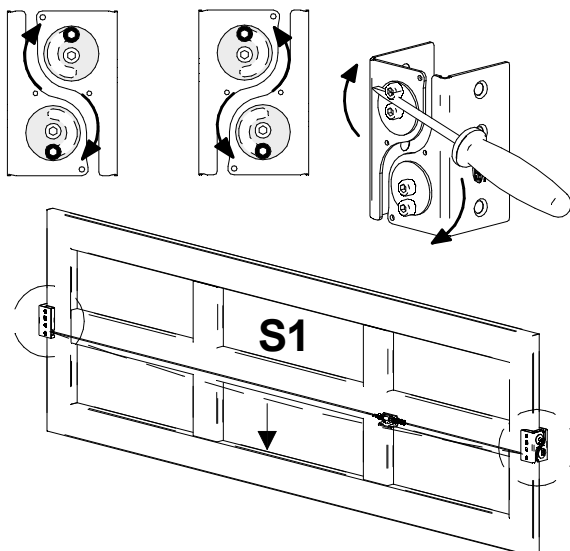


4 S1



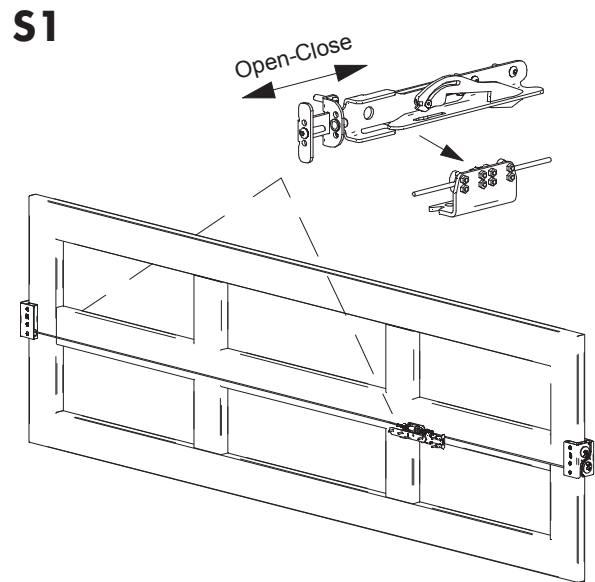
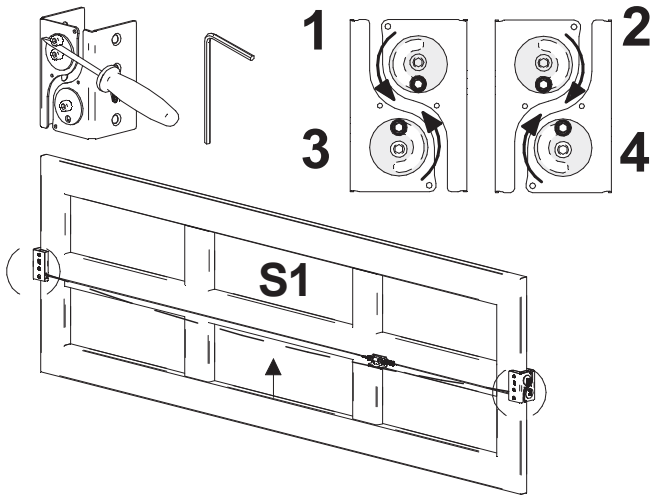
5 S1

Allentare / Loosen



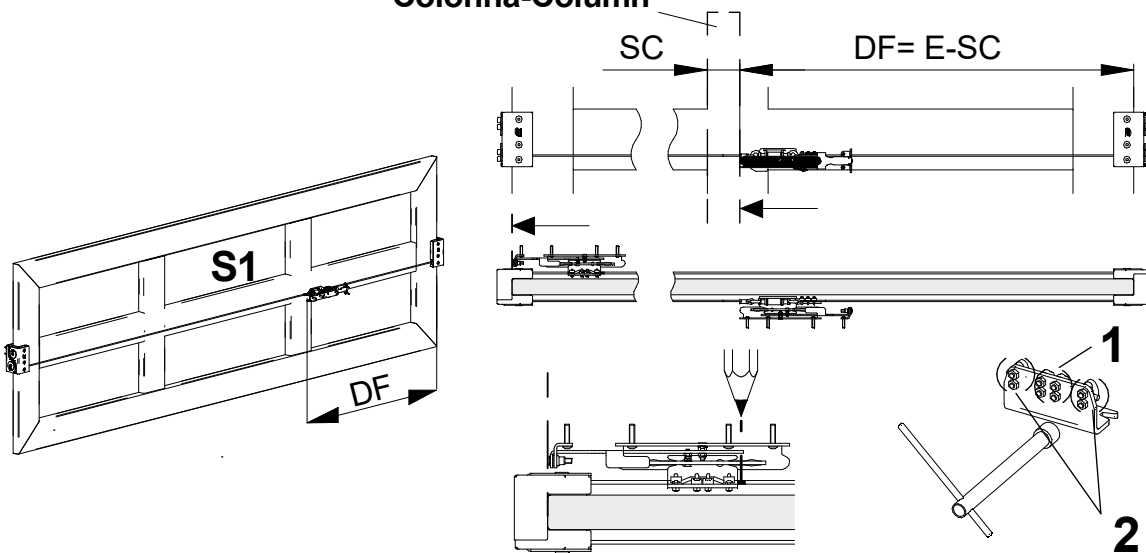


**6 S1** Tendere in sequenza a bisogno e fissare  
*Stretch in sequence if needed and fix*



**7 S1**

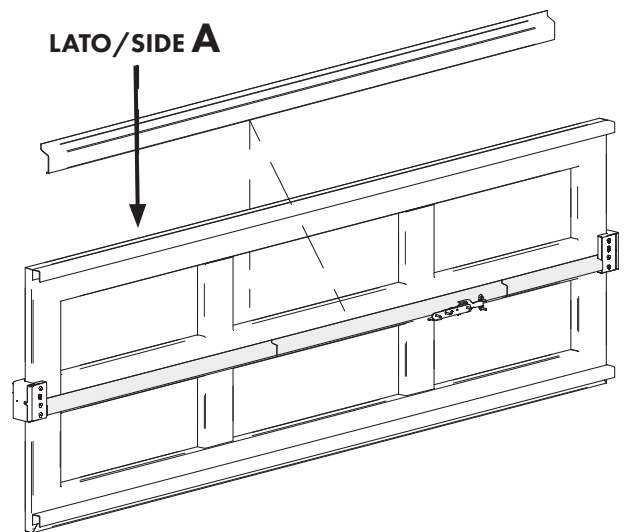
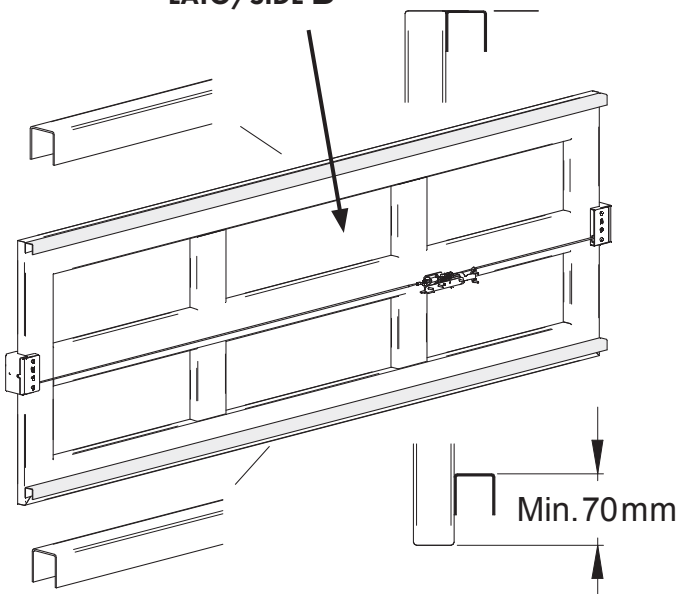
Colonna-Column



**8 S1**

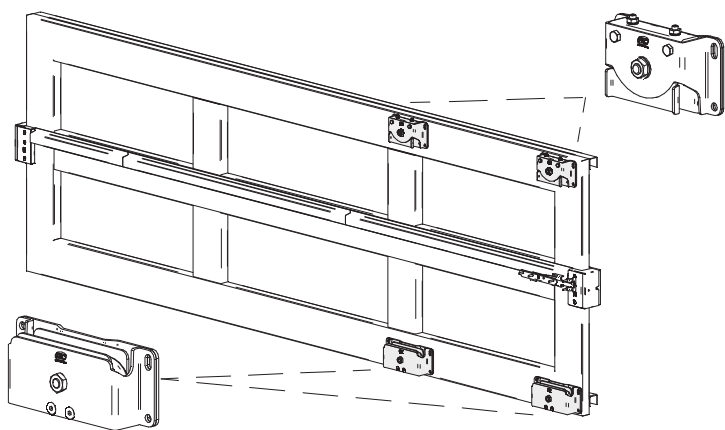
LATO/SIDE B

LATO/SIDE A

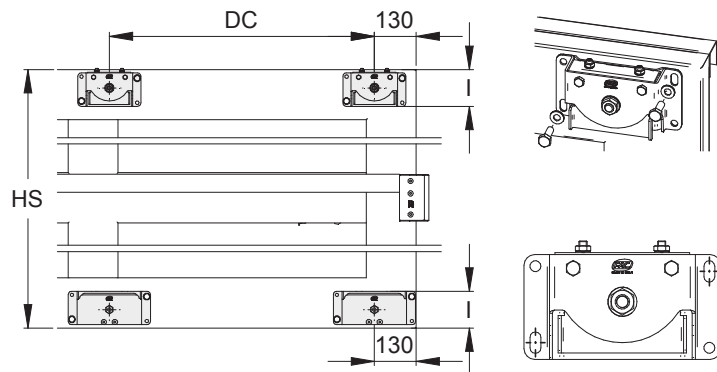




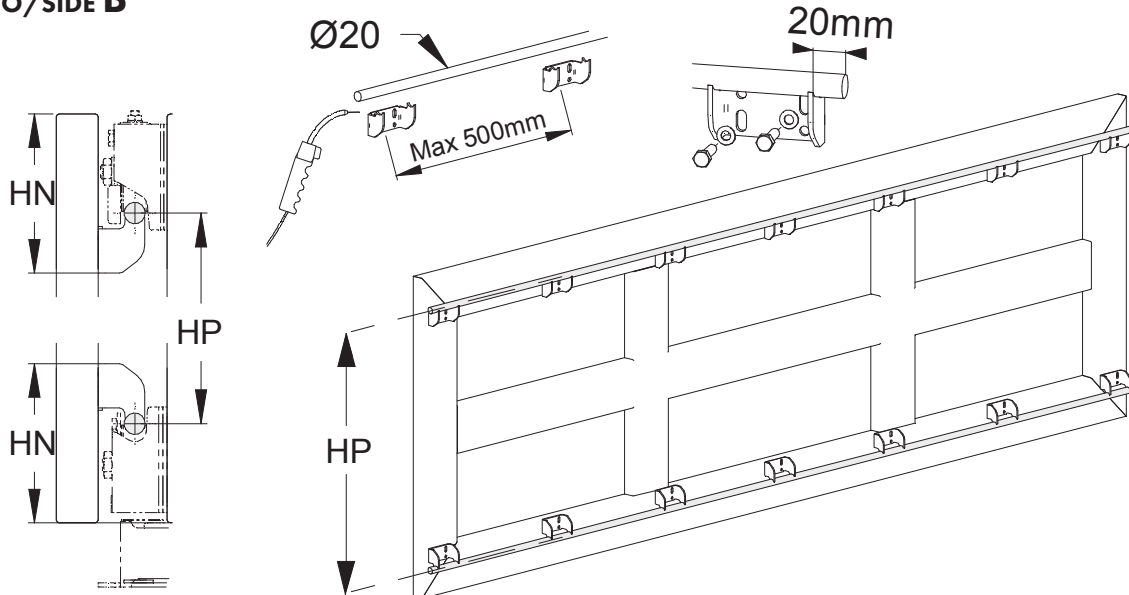
**9 S1 LATO/SIDE A**



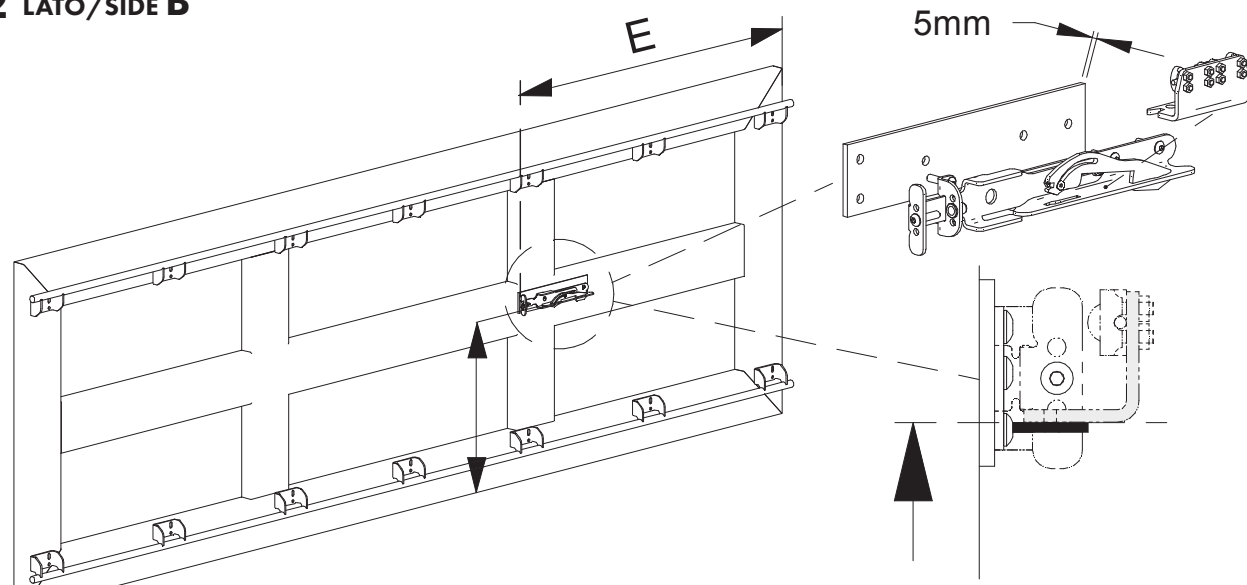
**10 S1 LATO/SIDE A**



**11 S2 LATO/SIDE B**

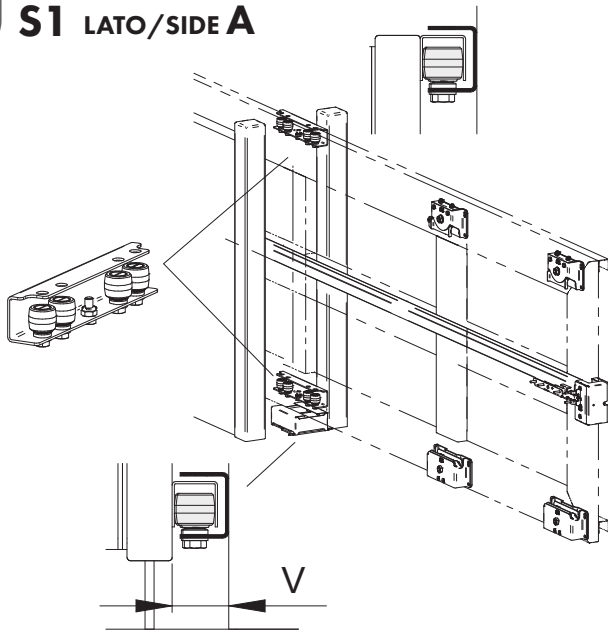


**12 S2 LATO/SIDE B**

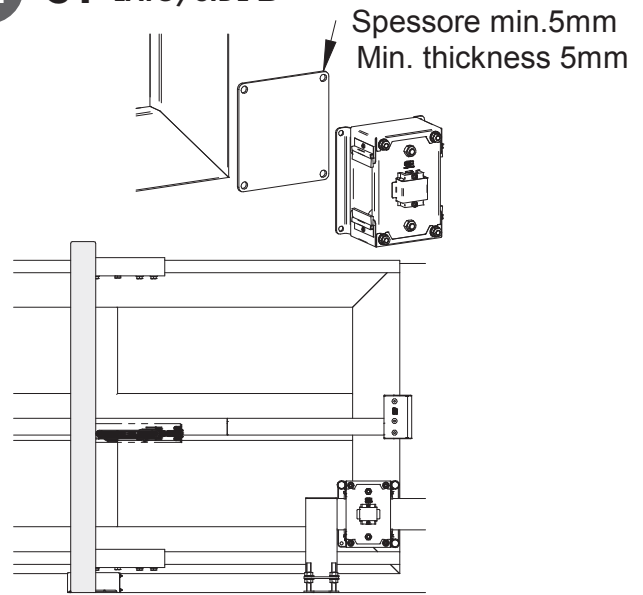




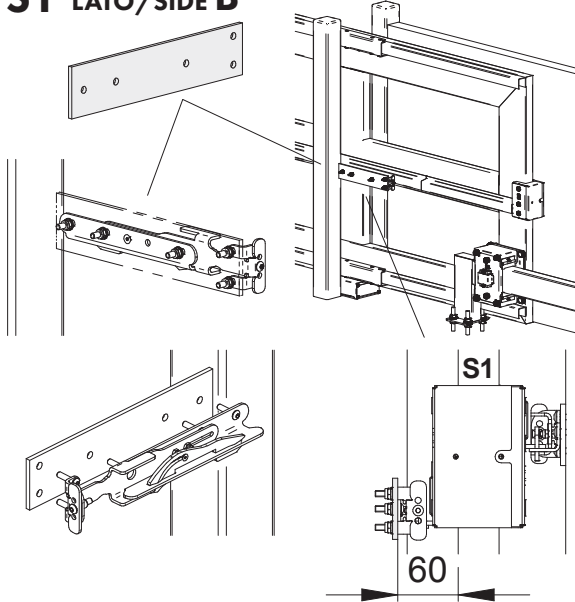
**13 S1 LATO/SIDE A**



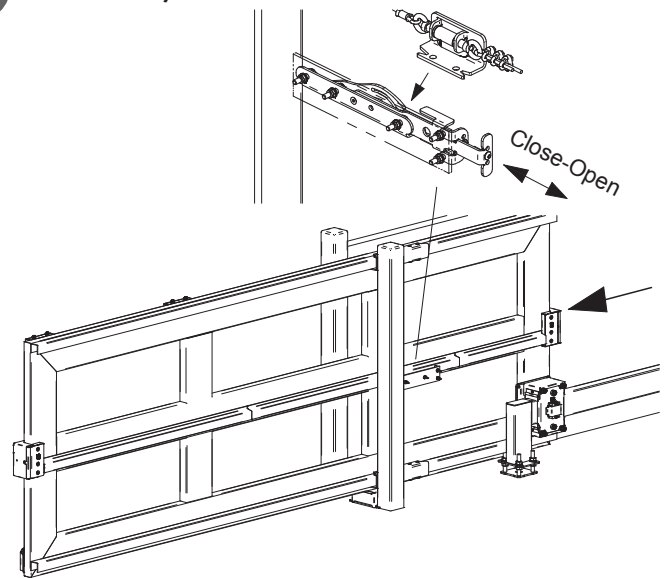
**14 S1 LATO/SIDE B**



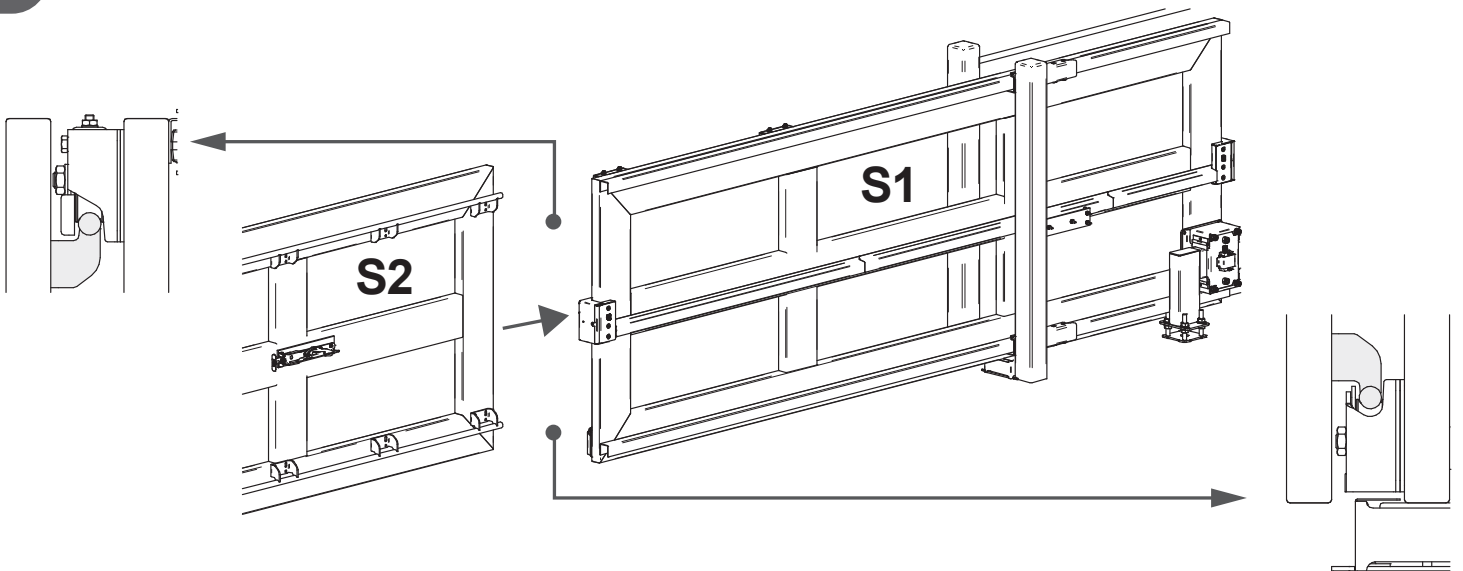
**15 S1 LATO/SIDE B**



**16 S1 LATO/SIDE B**



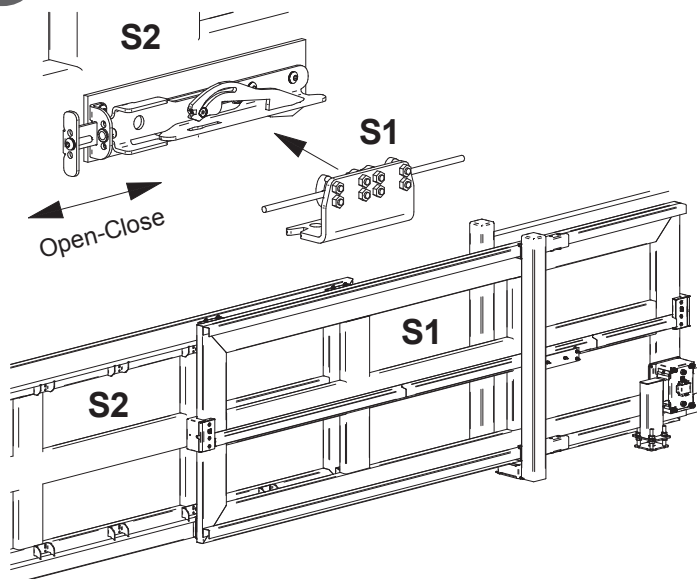
**17**



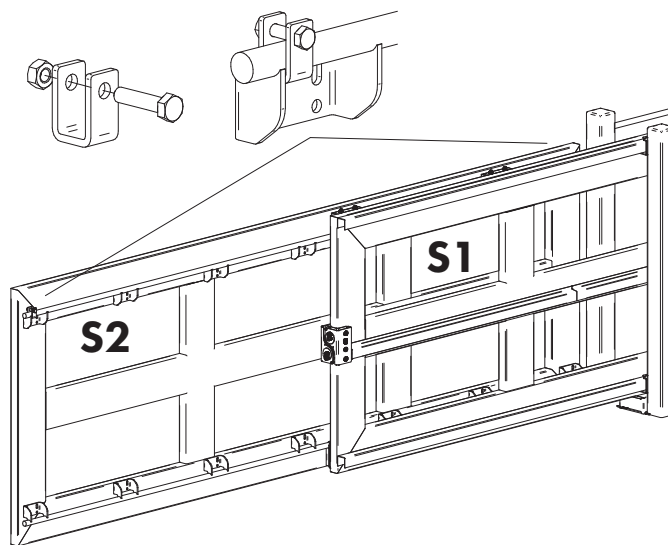




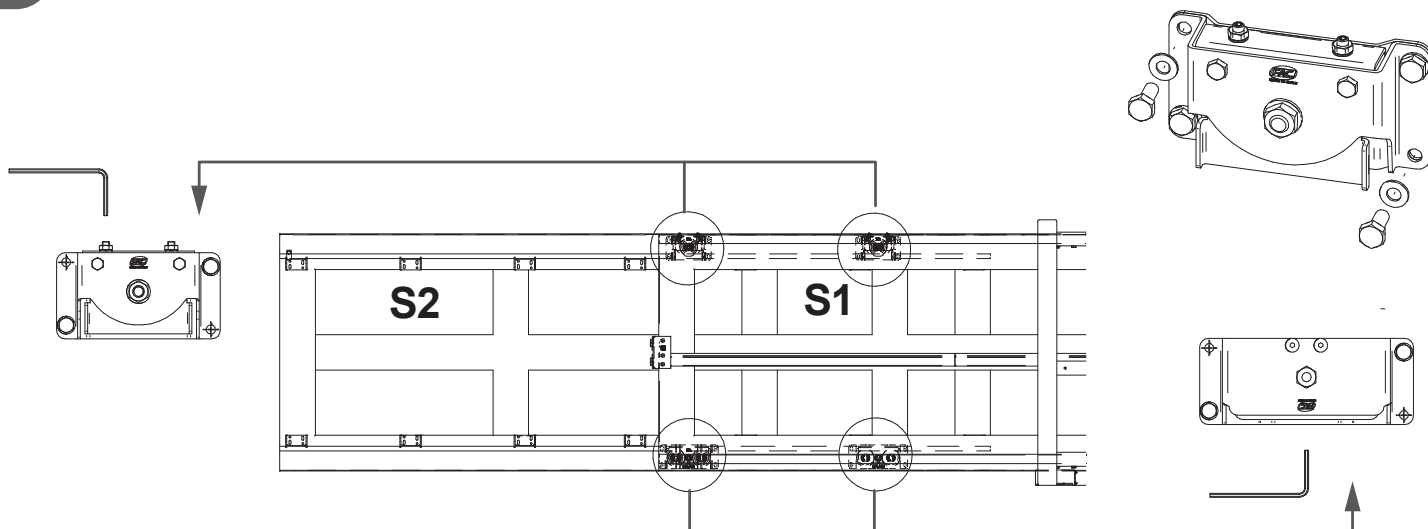
**18** LATO/SIDE A



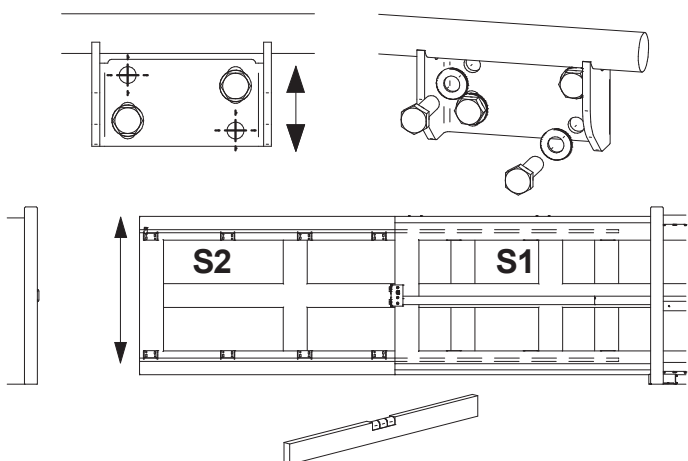
**19** LATO/SIDE B



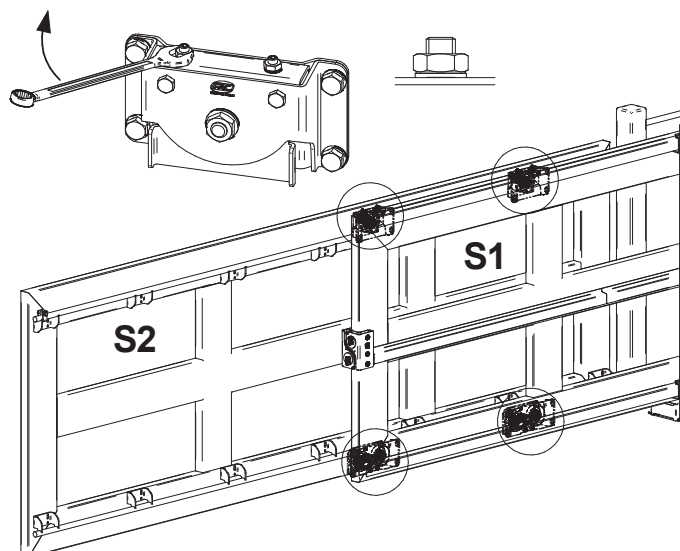
**20** LATO/SIDE B



**21** LATO/SIDE B

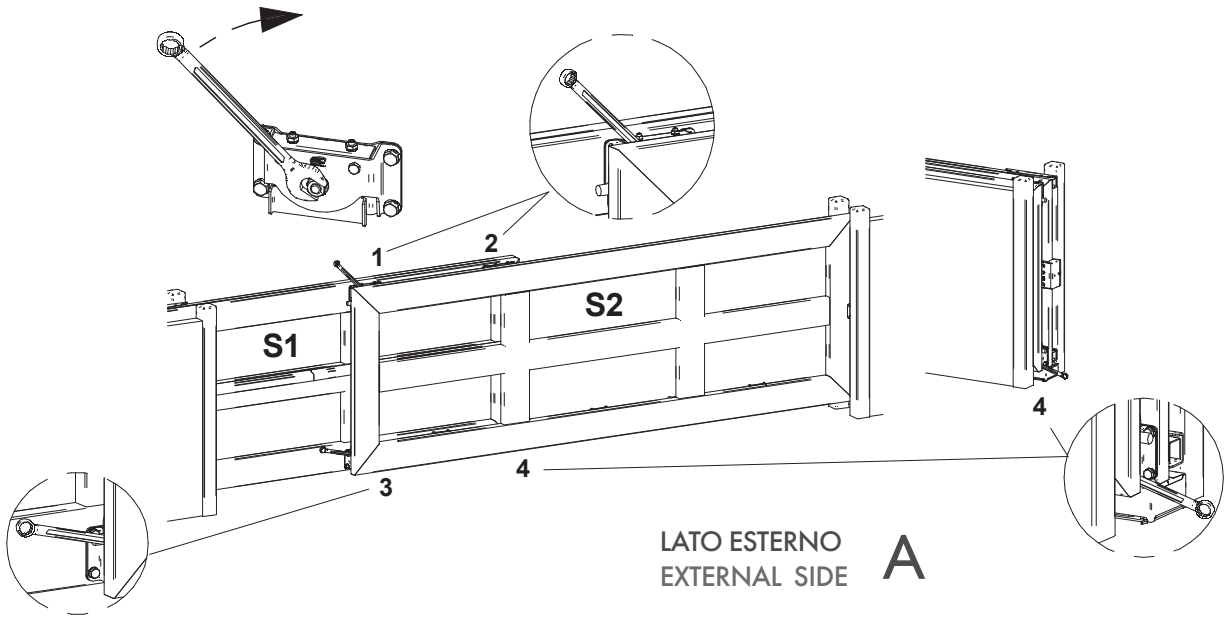


**22** LATO/SIDE B

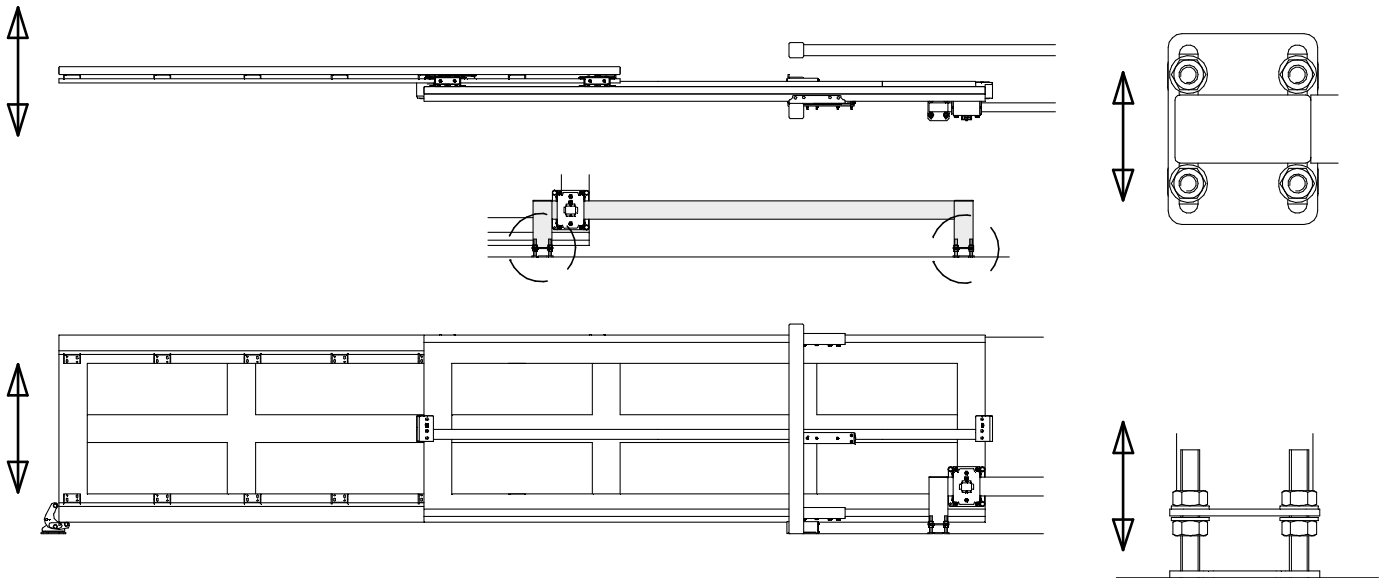




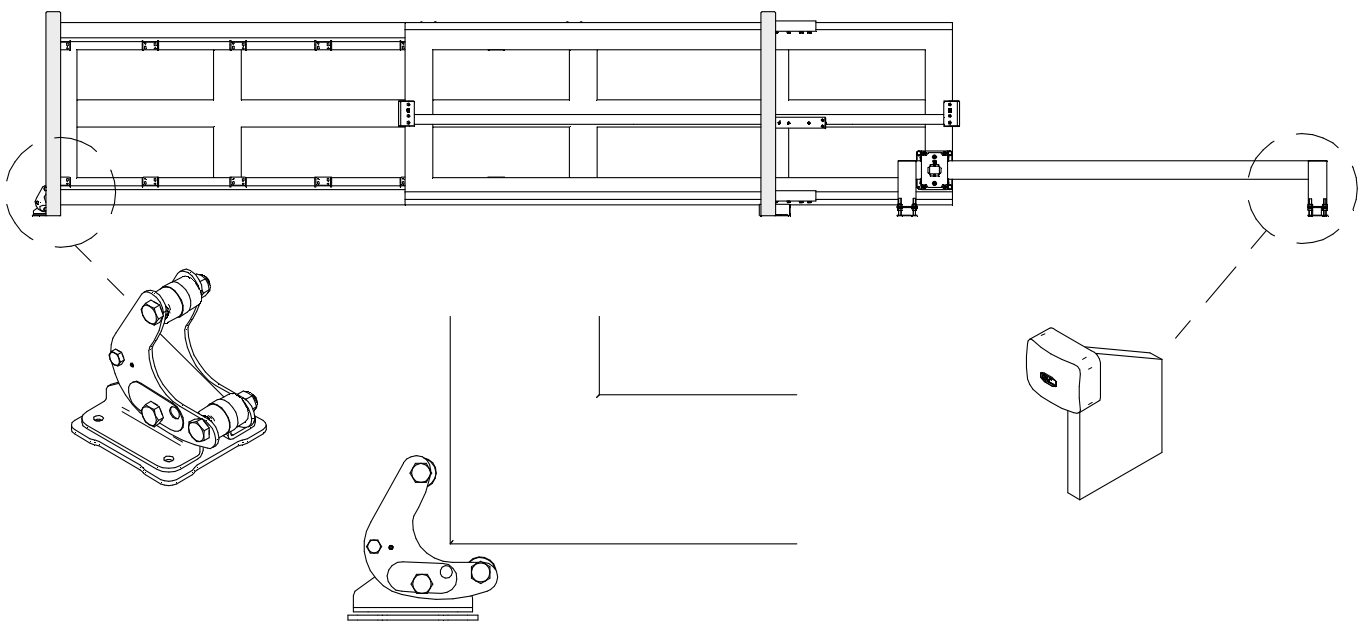
23



24



25





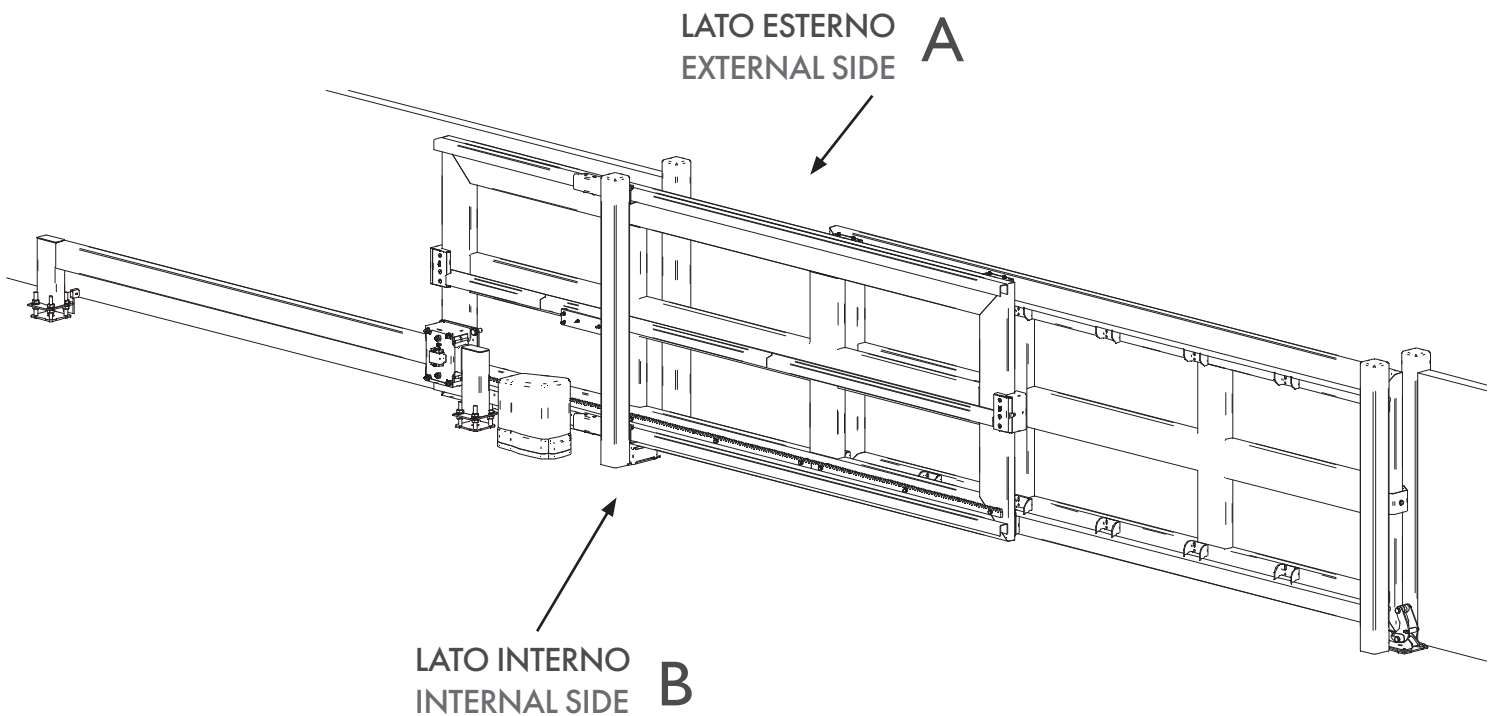
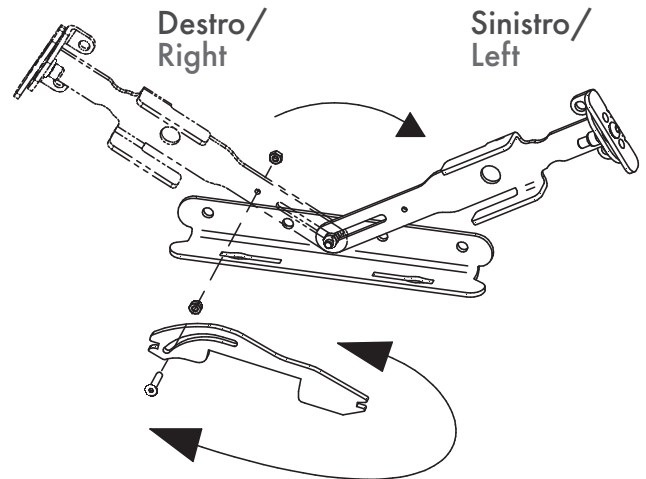
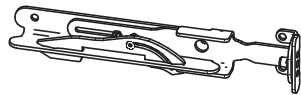
VERSIONE SINISTRA  
LEFT VERSION

Per il montaggio della versione sinistra utilizzare le stesse istruzioni considerandole in senso opposto; Una particolare attenzione deve essere prestata ai punti che riportiamo di seguito:

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

Preparare gli sganci Destri e Sinistri nelle quantità indicate  
*Prepare the right and left hitches in the indicated quantities*

2x  
Sinistro/Left





## MANUTENZIONE MAINTENANCE

1. Eseguire le verifiche di funzionamento manuale a fine installazione; controllare periodicamente che il sistema sia correttamente funzionante, privo di allentamenti e ben lubrificato (consigliato ogni tre mesi e massimo ogni 8000 cicli). Se necessario intervenire regolando il tensionamento e lubrificando la fune (vedi FIG. 8-10).
2. Nel caso in cui la fune risulti lenta rieseguire la procedura di tensionatura.
3. In caso di malfunzionamenti dovuti ad usura o urti accidentali, assicurarsi che tutti i componenti atti al sostegno del cancello ed alla sua movimentazione siano integri, eventualmente procedere alla sostituzione.
4. L'utilizzo di questi articoli in ambienti particolarmente umidi, salini, acidi, polverosi o con temperature superiori a 120°C riduce sensibilmente la durata dei cuscinetti e parti presenti negli articoli.
5. FAC garantisce il corretto funzionamento del sistema esclusivamente con l'utilizzo di ricambi originali.

**Attenzione:** Gli accessori compresi nei kit e l'installazione proposta fanno riferimento ad un esempio standard. Una installazione non conforme alla procedura illustrata e/o l'omissione delle corretta manutenzione potrebbero causare malfunzionamenti, compromettendo la sicurezza di persone e cose adiacenti. Verificare che gli accessori siano idonei all'opera specifica e dotarla dei necessari dispositivi di sicurezza previsti dalle normative vigenti.

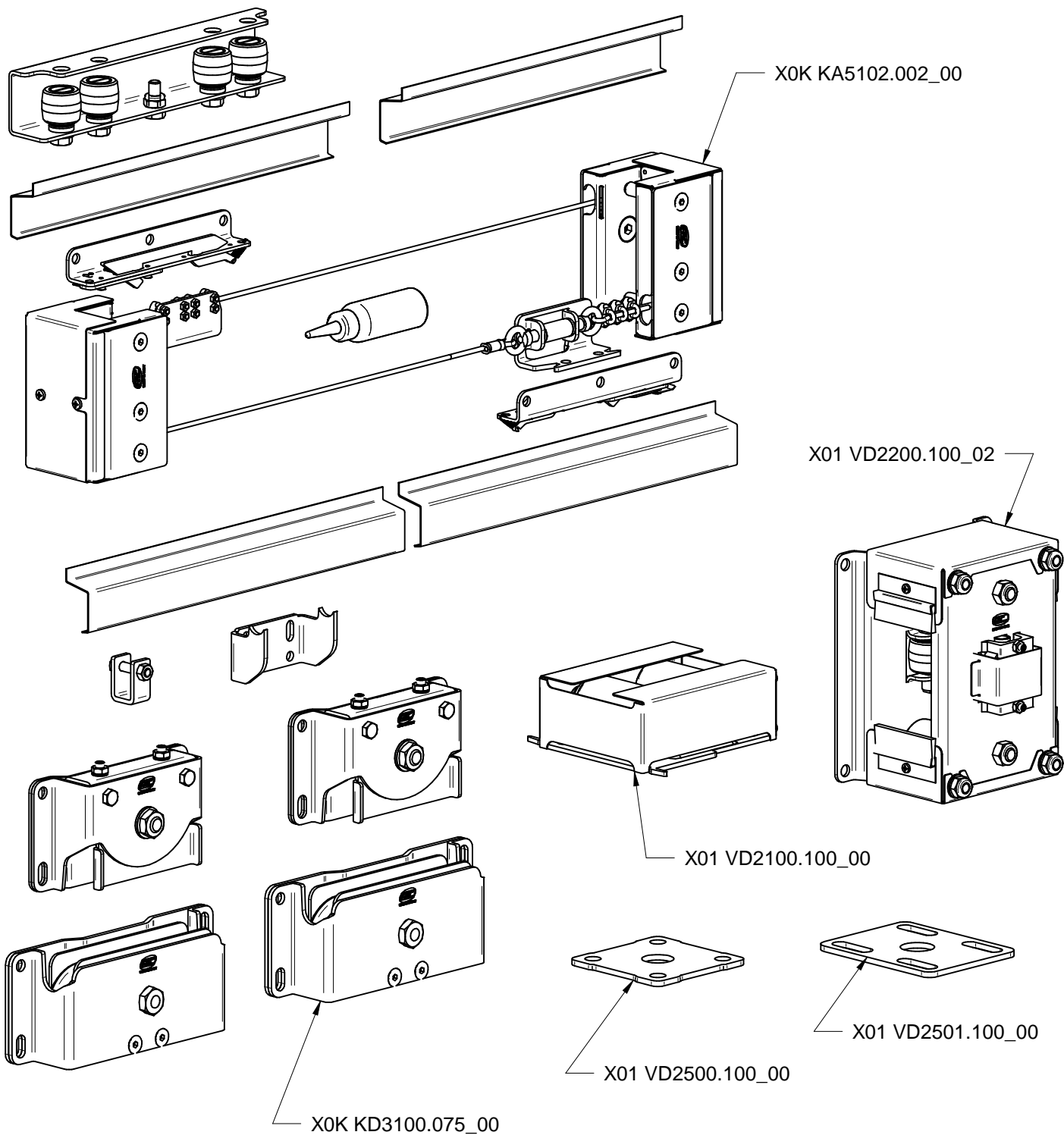
**Per ulteriori informazioni scrivici a : [info@facsl.com](mailto:info@facsl.com)**

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. FAC ensures the system correct functioning only using original spare parts.


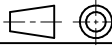
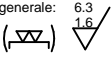
**Attention:** The kit included accessories and the proposed installation make reference to a standard example. An installation not in accordance with the illustrated procedure and the omission of the correct maintenance might compromise nearby things and people's security. Make sure that all accessories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

**For more information: [info@facsl.com](mailto:info@facsl.com)**

**Attenzione:** questo disegno è da ritenersi valido solo per il primo utilizzo, non archivarlo e in caso di necessità richiederne una copia aggiornata



| Rev. N° | Data | Descrizione modifiche | Disegnatore | Approvato |
|---------|------|-----------------------|-------------|-----------|
|         |      |                       |             |           |

|   |   |                     |   |                                  |  |   |
|---|---|---------------------|---|----------------------------------|--|---|
|  | Descrizione:<br><b>AUTOP. TELESCOPICO BASE GUARDIAN AP. MAX. 8 MT</b> |                     |   |                                  | Scala: <b>1:5</b>                          |  |
|   | Disegnatore:<br>Ronzani M.  | Data:<br>22/12/2015 | Smussi non quotati:<br><b>1x45°</b>   | Raggi non quotati:<br><b>R=1</b> | Tolleranze non specificate:<br><b>±0.1</b> |   |
| Approvato:<br>Revelin C.  | Data:<br>08/01/2016   | Note:               | Rugosità generale:<br>6.3<br>1.6<br> | Materiale:                       | Articolo di riferimento:<br>X0K KD2150.100 | Sostituisce il:   |
| Note:   |   |                     |   | Peso [kg]: <b>31,101 kg</b>      | Sostituito dal:                            | Sostituito dal:   |

A termini di legge è rigorosamente vietato riprodurre o comunicare a terzi il contenuto del presente disegno