



AUTOMATIC ENTRANCE SPECIALISTS



Over



**Installation, eksempler
og vedligeholdelse manual
for automatik for skydeporte**

| CODE | REF | BESKRIVELSE | GB | DESCRIPTION | D | E | Qt. |
|----------|-----|---|---|---|---|--|-------|
| LogicHE | 1 | Enhedsbetegnelse | Electric board | Composants fixes | Satz feste komp | Componentes fijos | 1 |
| OverG | 2 | Styre Panel | Guide 92x85x4 | Tableu | Steuerung | Tablero | 6 m |
| OverFB | 3 | Skinne 92x85x4 | Rabbed lock | Butée | Halter Anschlag | Tope | 2 |
| OverAM | 4 | Variabel ophæng for skinne | Top wall attachment bracket | Patte de fixation au mur (partie haute) | Wandhalterung oben | Pata de fijación al muro (parte alta) | 1 |
| OverSG | 20 | Ophæng for skinne | Bottom guide support bracket | Patte support du rail (partie basse) | Halter für Laufschienebefestigung unten | Pata de soporte de la guía (parte baja) | 1 |
| OverGG | 5 | Samlebeslag for skinne | Guide joint | Raccord du rail | Laufschieneverbindungen | Racor de la guía | 1 |
| OverCA | 6 | Løbe vogn stål | Carriage with steel wheels | Chariot avec roues en acier | Laufwagen mit Edelstahlrollen | Carro con ruedas de acero | 2 |
| OverCN | 7 | Løbe vogn nylon | Carriage with nylon wheels | Chariot avec roues en nylon | Laufwagen mit Nylonrollen | Carro con ruedas de nylon | 2 |
| OverGR | 8 | Remstrammer | Transmission unit with bracket | Groupe renvoi et plaque | Umlenkrad mit Platte | Grupo reenvío con placa | 1 |
| OverAC | 9 | Kit rembeslag | Belt attachment bracket | Bride courroie | Riemenanschlufskasten | Brida de conexión correa | 1 |
| 5T1016 | 10 | Drivrem Over30H | Belt Over30H | Courroie Over30H | Reimen Over30H | Correa Over30H | 1 m |
| 5T1025 | 11 | Drivrem Over60H | Belt Over60H | Courroie Over60H | Reimen Over60H | Correa Over60H | 1 m |
| CROVN66 | 13 | Dækkappe 6600 mm | Cover | Carter | Blenden | Cârtier | 6.6 m |
| CROVN44 | 13 | Dækkappe 4400 mm | Cover | Carter | Blenden | Cârtier | 4.4 m |
| KZ17OV | 23 | Lås til OVER | Guide leaf locking device | Verrouillage sur guide | Verriegelung auf dem Führung | Bloqueo en guía | 1 |
| Z17 | - | Manuel udløser for lås | Door leaf locking device | Verrouillage sur vantail | Verriegelung auf dem Flügel | Bloqueo en hoja | 1 |
| BATK2 | 19 | Kit for batteri | Battery kit | Kit batterie | Batterie kit | Kit de batería | 1 |
| Over30H | 14 | Enhed Over30H | Adapter Over30H | Pièces d'adaptation Over30H | Adapter-Bauteile Over30H | Piezas de adaptación Over30H | 1 |
| Over30C | 15 | Gearmotor 300N | Gearmotor 300N | Motoréducteur 300N | Getriebemotor 300N | Motorreductor 300N | 1 |
| Over30H | 14 | Dæksel Over30H | Cover Over30H | Carter Over30H | Blenden Over30H | Cârtier Over30H | 1 |
| Over30H | 14 | Enhed for 2 Over30H | Adapter for n. 2 Over30H | Pièces d'adaptation n. 2 Over30H | Adapter-Bauteile n. 2 Over30H | Piezas de adaptación n. 2 Over30H | 2 |
| Over30C | 15 | Gearmotor 300N | Gearmotor 300N | Motoréducteur 300N | Getriebemotor 300N | Motorreductor 300N | 2 |
| Over30SM | 22 | Dæksel Over30H | Cover Over30H | Carter Over30H | Blenden Over30H | Cârtier Over30H | 1 |
| BATK2 | 19 | Beslag for 2 gearmotor Over30H | Supports for second Over30H motor | Supports du deuxième moteur Over30H | Befestigungen wie Motor Over30H | Soportes segundo motor ver30H | 1 |
| Over60H | 16 | Parallellkobling af 2 Over30H | Parallel wiring of 2 Over30H | Câblage parallèle 2 Over30H | Parallele Verkabelung 2 Over30H | Cableado paralelo 2 Over30H | 1 |
| Over60C | 17 | Kit for batteri | Battery kit | Kit batterie | Batterie kit | Kit de batería | 1 |
| Over60SM | 18 | Enhed Over60H | Adapter for Over60H | Pièces d'adaptation Over60H | Adapter-Bauteile Over60H | Piezas de adaptación Over60H | 1 |
| BATK2 | 19 | Gearmotor 600N | Gearmotor 600N | Motoréducteur 600N | Getriebemotor 600N | Motorreductor 600N | 1 |
| Over30H | 14 | Dæksel Over60H | Cover Over60H | Carter Over60H | Blenden Over60H | Cârtier Over60H | 1 |
| Over30C | 15 | Motorbeslag til remopstramme og rembeslag til Over60H | Motor support bracket, Over60H transmission and belt attachment | Patte support moteur, renvoi et fixation de la courroie Over60H | Befestigungshalter für Motor, Umlenkblock und Riemenhalterung Over60H | Pata de soporte del motor, del reenvío y de la fijación de la correa Over60H | 1 |
| OverGR | 8 | Kit for batteri | Battery kit | Kit batterie | Batterie kit | Kit de batería | 1 |
| OverAC | 9 | DO IT OV30 | Gearmotor 300N | Motoréducteur 300N | Getriebemotor 300N | Motorreductor 300N | 1 |
| LogicHE | 1 | Dæksel Over30H | Cover Over30H | Carter Over30H | Blenden Over30H | Cârtier Over30H | 1 |
| Over60H | 16 | Remstrammer | Transmission unit with bracket | Groupe renvoi et plaque | Umlenkrad mit Platte | Grupo reenvío con placa | 1 |
| Over30C | 15 | Kit rembeslag | Belt attachment bracket | Bride courroie | Riemenanschlufskasten | Brida de conexión correa | 1 |
| Over60SM | 18 | Styre Panel | Electric board | Tableu | Steuerung | Tablero | 1 |
| Over60H | 16 | DO IT OV60 | Gearmotor 600N | Motoréducteur 600N | Getriebemotor 600N | Motorreductor 600N | 1 |
| Over60C | 17 | Dæksel Over60H | Cover Over60H | Carter Over60H | Blenden Over60H | Cârtier Over60H | 1 |
| OverGR | 8 | Remstrammer | Transmission unit with bracket | Groupe renvoi et plaque | Umlenkrad mit Platte | Grupo reenvío con placa | 1 |
| OverAC | 9 | Kit rembeslag | Belt attachment bracket | Bride courroie | Riemenanschlufskasten | Brida de conexión correa | 1 |
| LogicHE | 1 | Motorbeslag til, for remopstramme- og rembeslag til Over60H | Motor support bracket, Over60H transmission and belt attachment | Patte support moteur, renvoi et fixation de la courroie Over60H | Befestigungshalter für Motor, Umlenkblock und Riemenhalterung Over60H | Pata de soporte del motor, del reenvío y de la fijación de la correa Over60H | 1 |
| BATK2 | 19 | Styre Panel | Electric board | Tableu | Steuerung | Tablero | 1 |
| Over60H | 16 | Kit for batteri | Battery kit | Kit batterie | Batterie kit | Kit de batería | 1 |

- I Impianto tipo
- DK Standard installation
- F Installation type
- D Standard Montage
- E Instalaciòn tipo

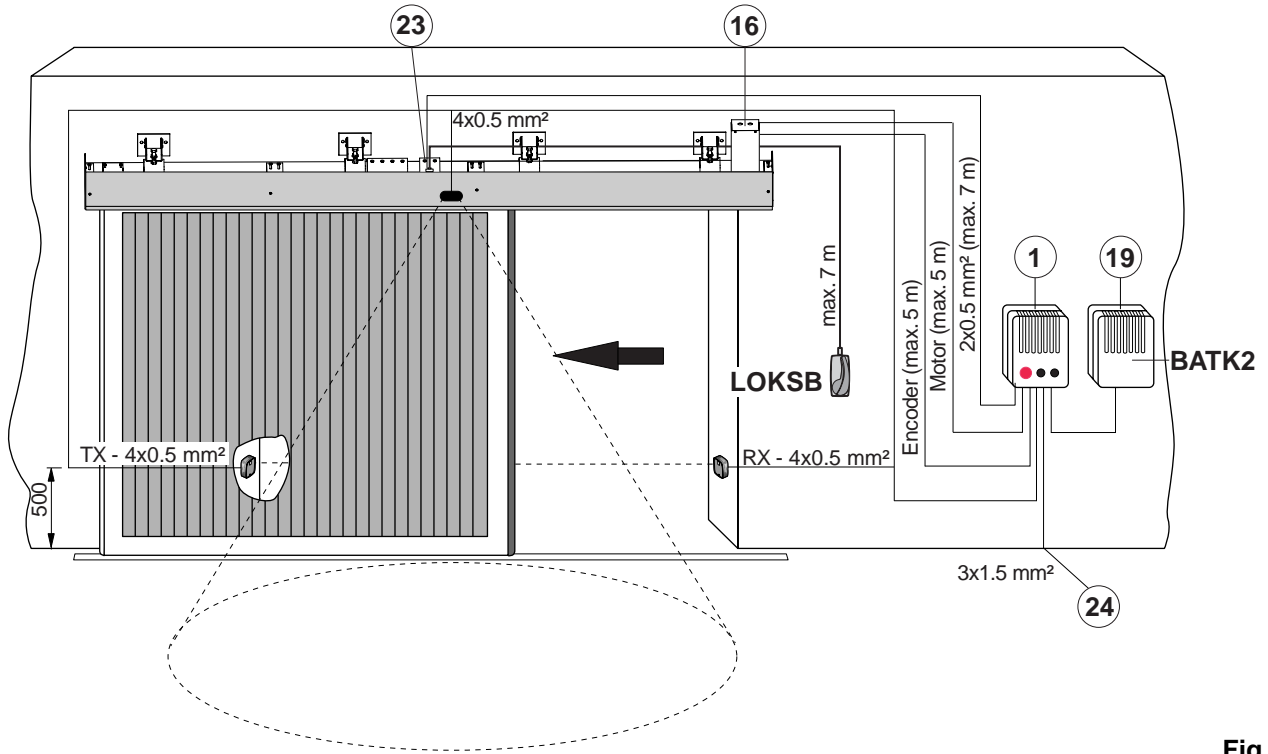


Fig. 1

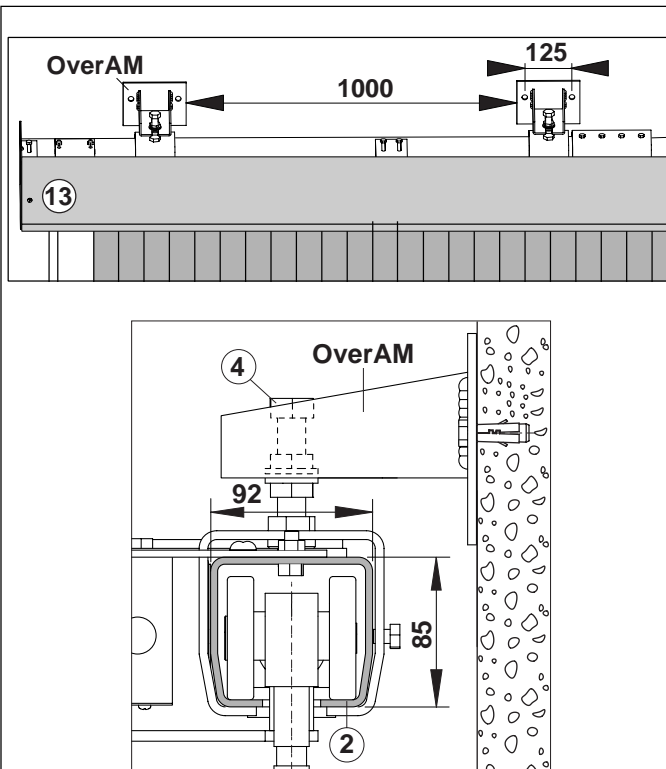


Fig. 2

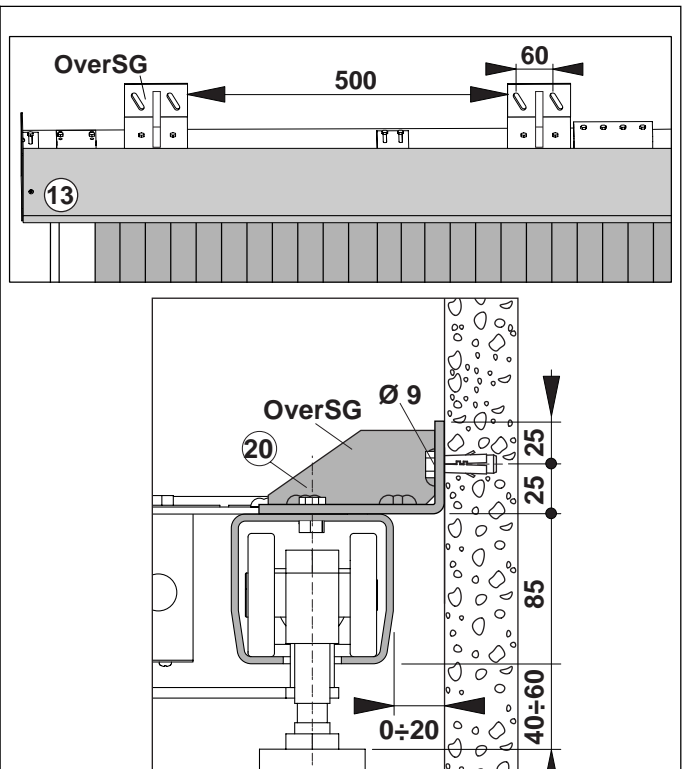
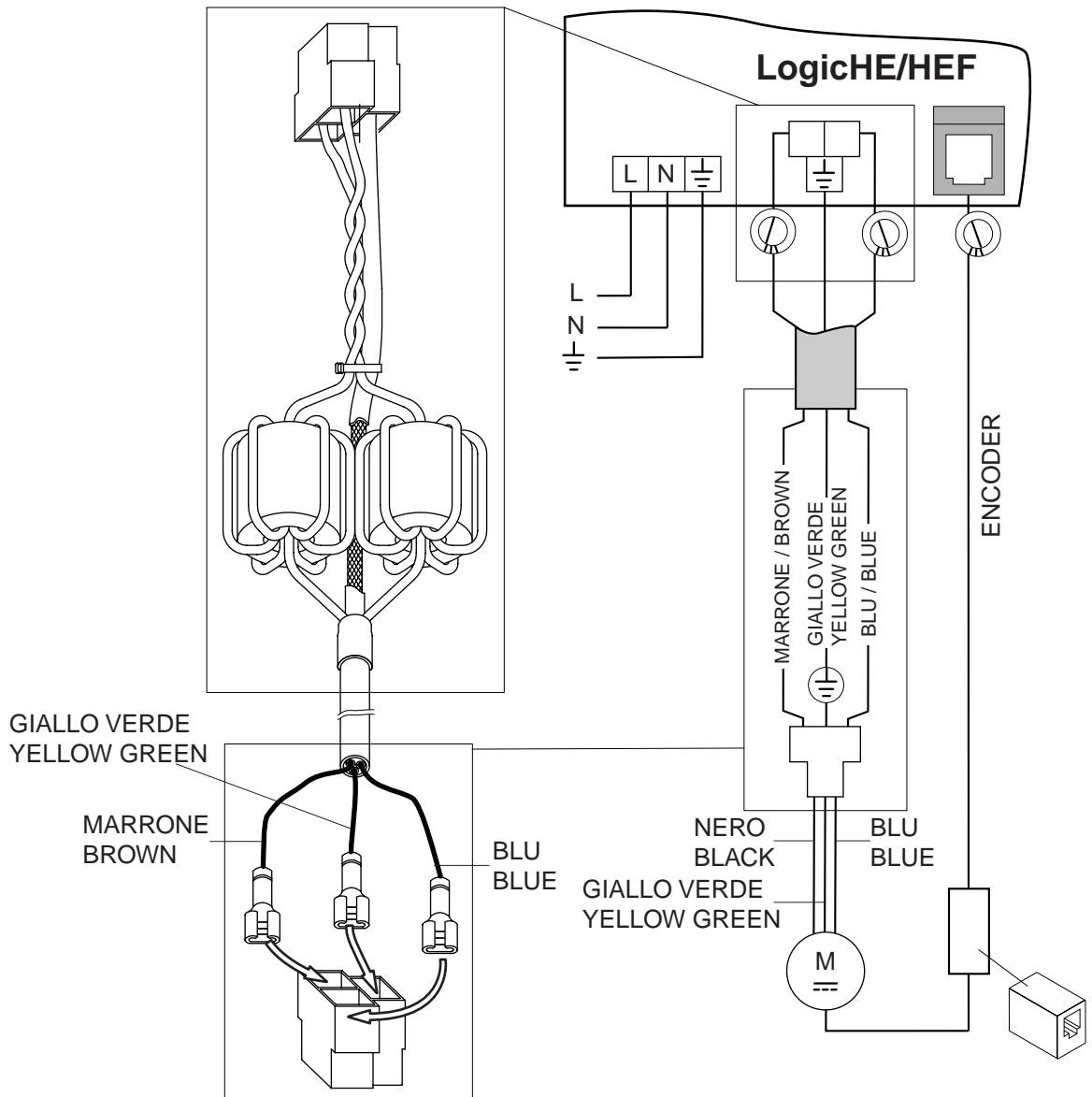


Fig. 3

OVER30H / 60H



2 OVER 30H

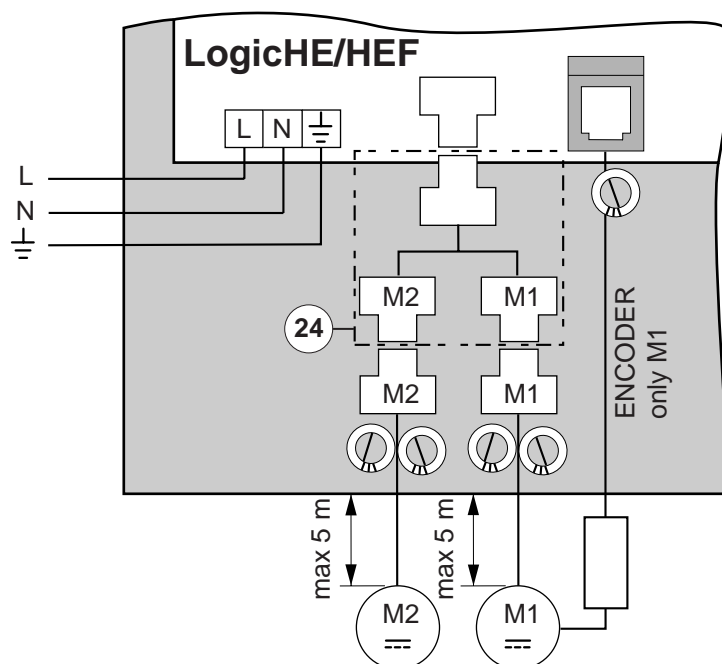


Fig. 4

OVER30H

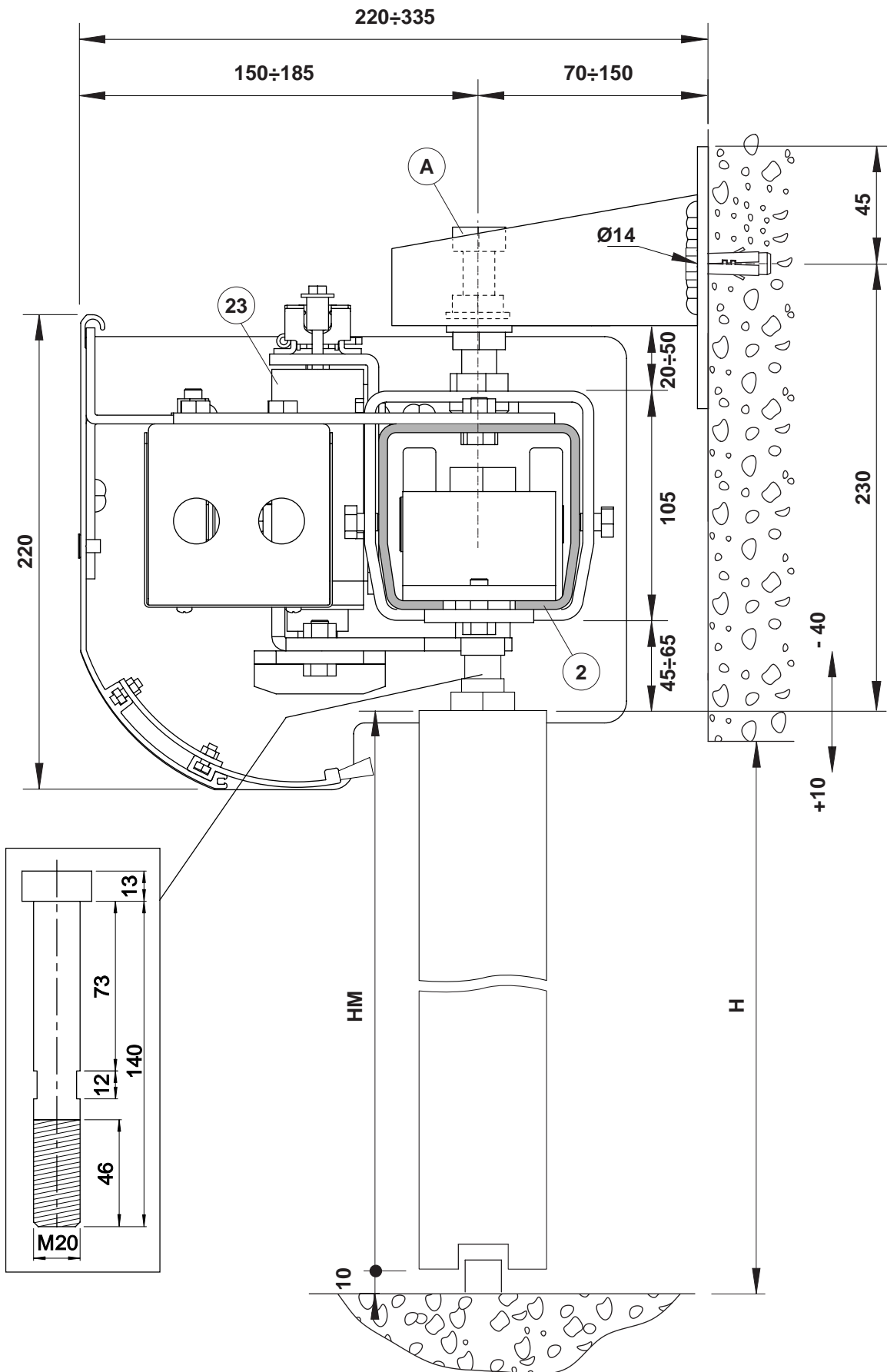


Fig. 5

Montaggio Over30H - Assembly Over30H - Montage Over30H - Montage Over30H - Montaje Over30H

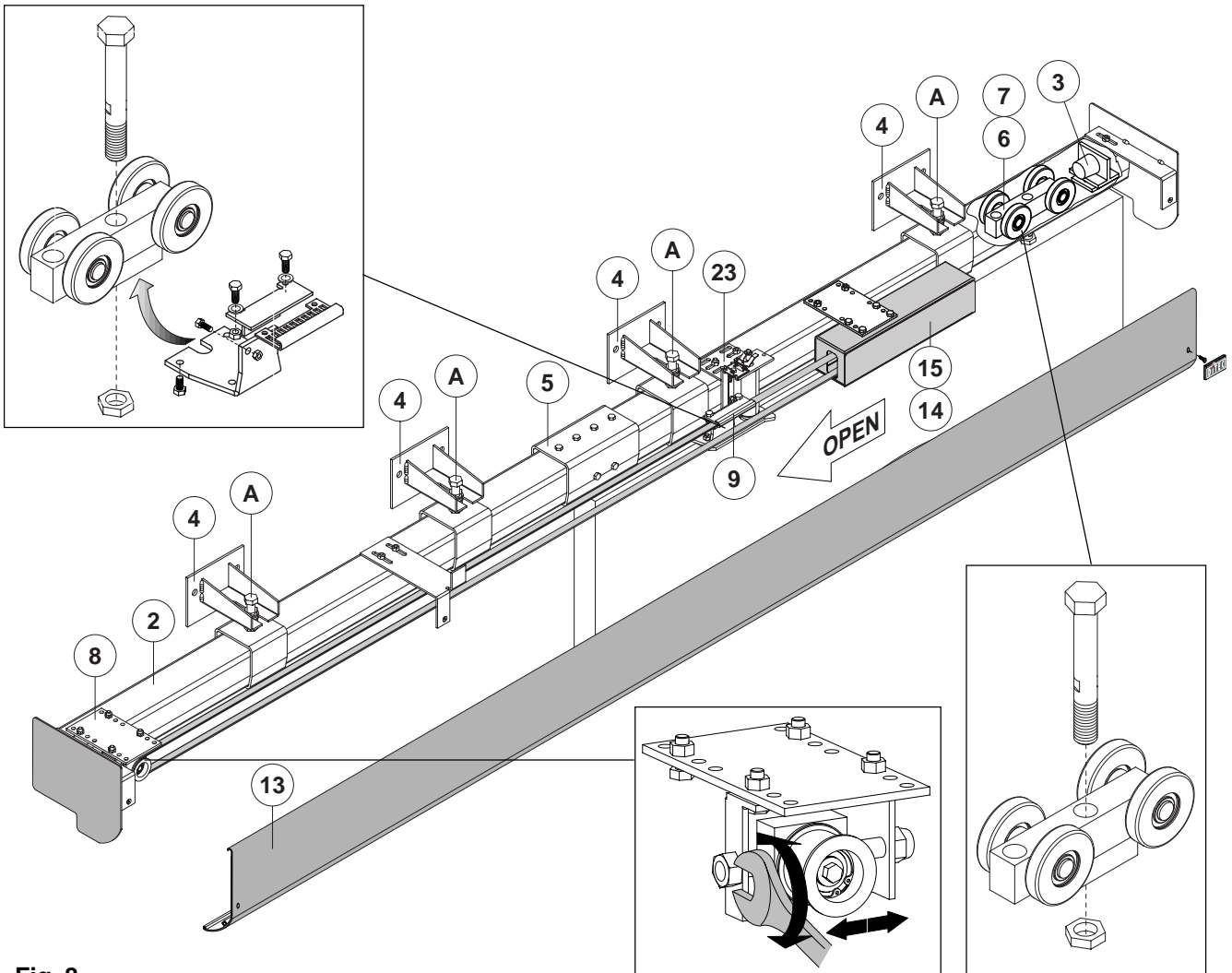
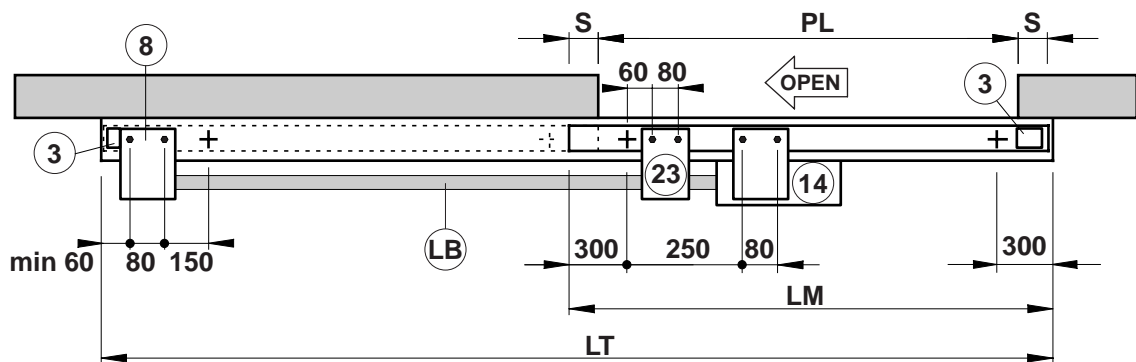


Fig. 8



| | |
|----|--------------|
| PL | $(LT-3S)/2$ |
| LM | $PL+2S$ |
| LT | $PL+LM+S$ |
| LB | $2LP+2S+700$ |

Fig. 9

Montaggio Over30H 2 ante - Over30H 2 wings assembly - Montage Over30H 2 vantaux- Over30H 2 Flügel
 Montage - Montaje Over30H 2 hojas

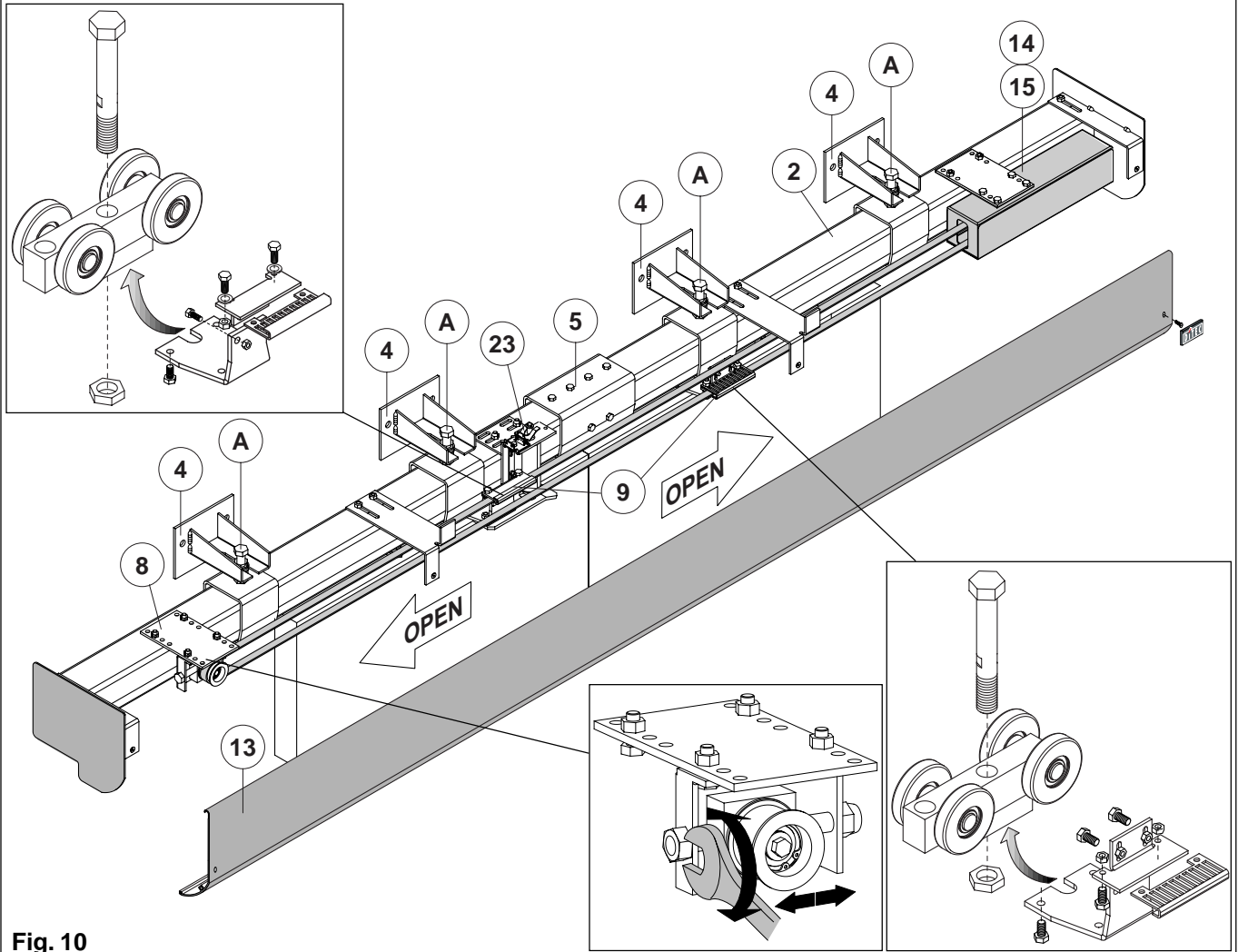
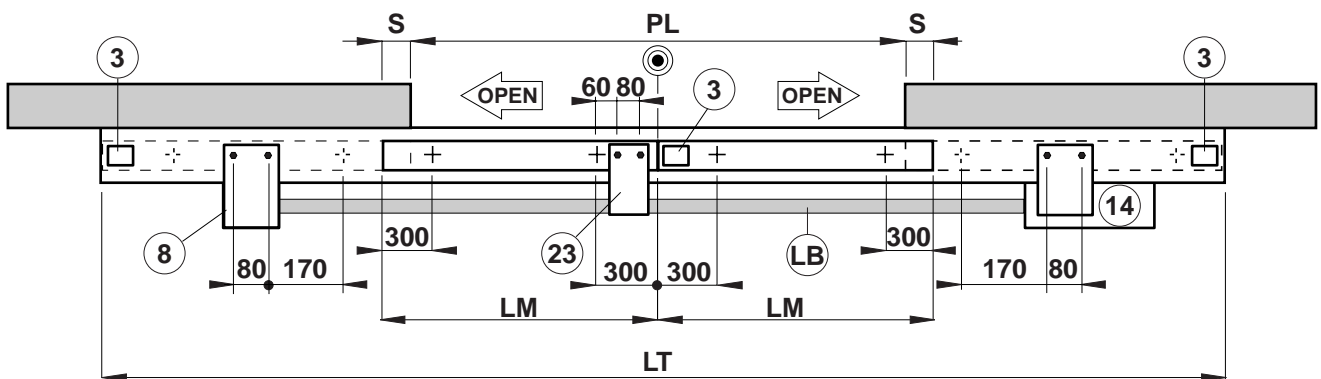


Fig. 10



| | |
|----|------------------------|
| PL | $(LT - 2S) / 2$ |
| LM | $(PL / 2) + S$ |
| LT | $PL + 2LM$ |
| LB | $(PL + 1200) \times 2$ |

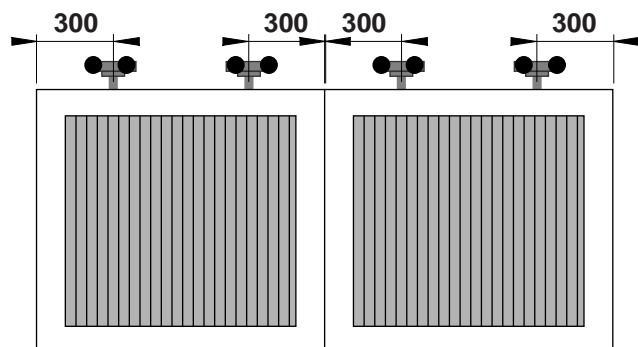


Fig. 11

Montaggio Over30H 2 motori - Over30H 2 motors assembly - Montage Over30H 2 moteurs- Over30H 2 Motoren Montage - Montaje Over30H 2 motors.

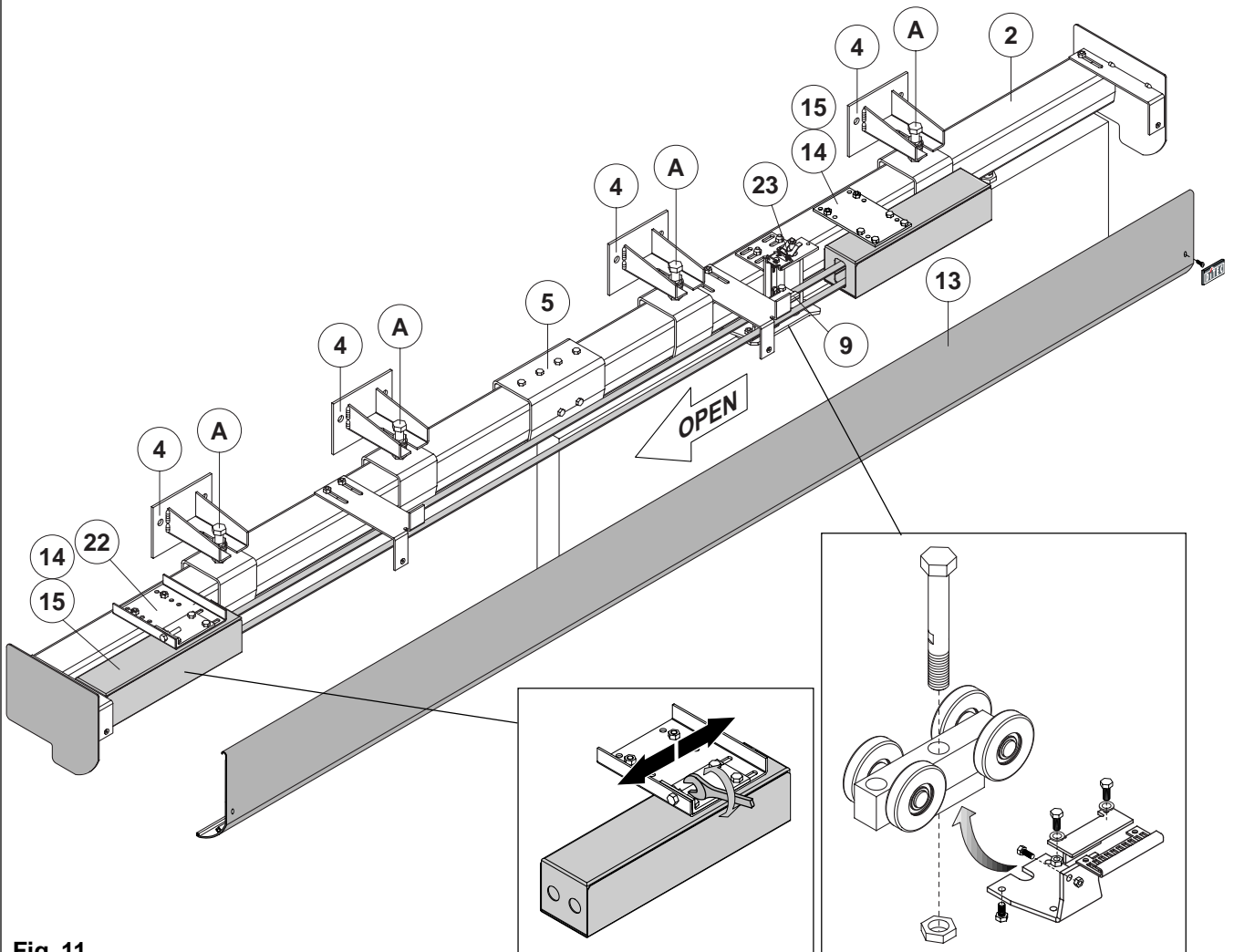
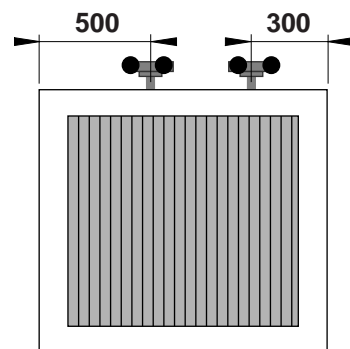
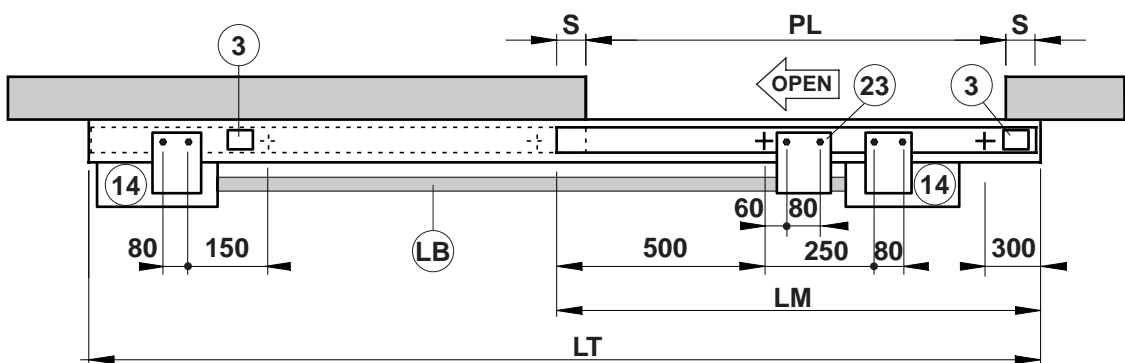


Fig. 11



| | |
|----|------------------|
| PL | $(LT - 3S) / 2$ |
| LM | $PL + 2S$ |
| LT | $PL + LM + S$ |
| LB | $2PL + 2S + 700$ |

Fig. 12

Montaggio Over30H 2 motori 2 ante - Over30H 2 motors 2 wings assembly - Montage Over30H 2 moteurs 2 vantaux- Over30H 2 Motoren 2 Flügel Montage - Montaje Over30H 2 motores 2 hojas

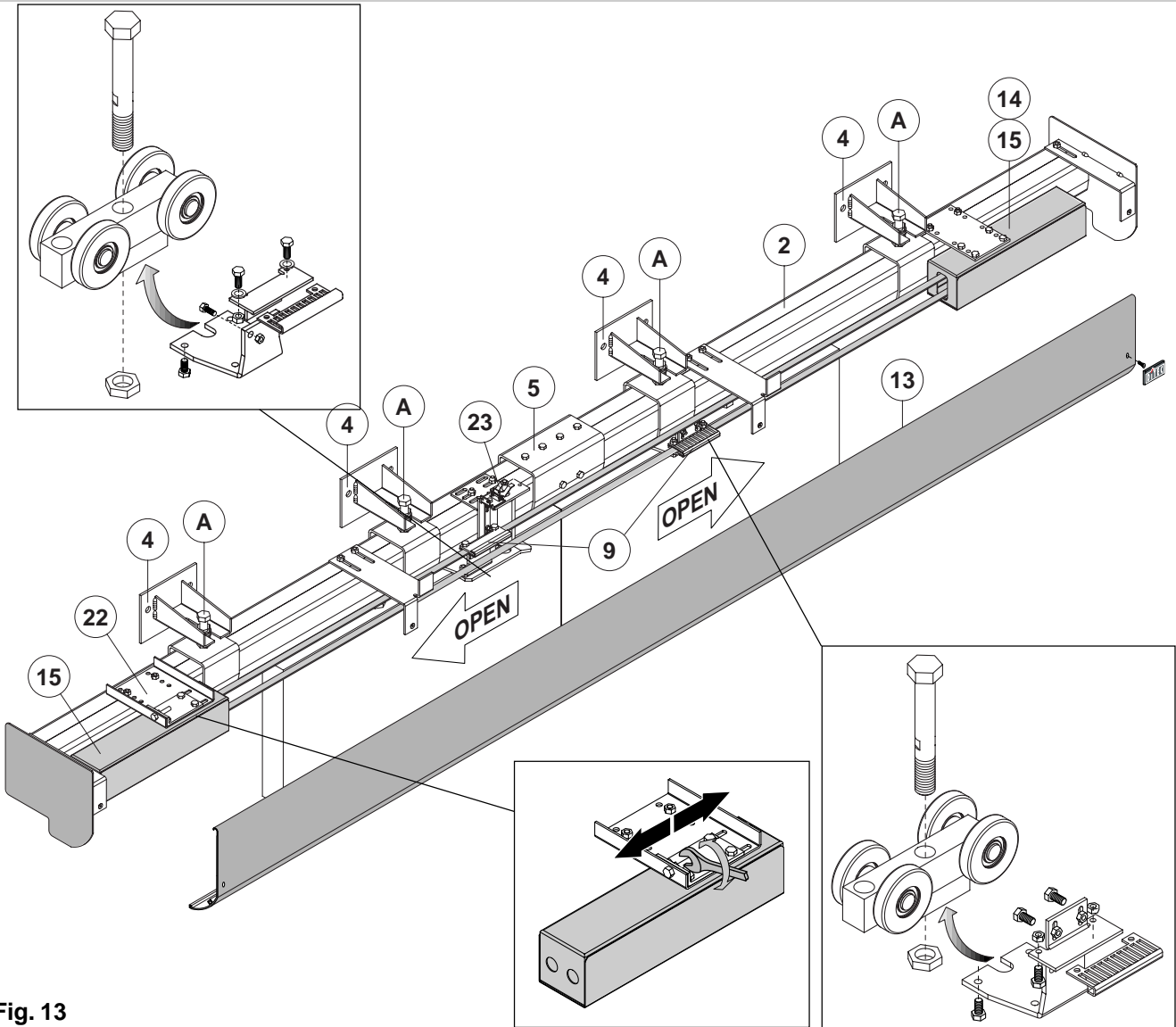
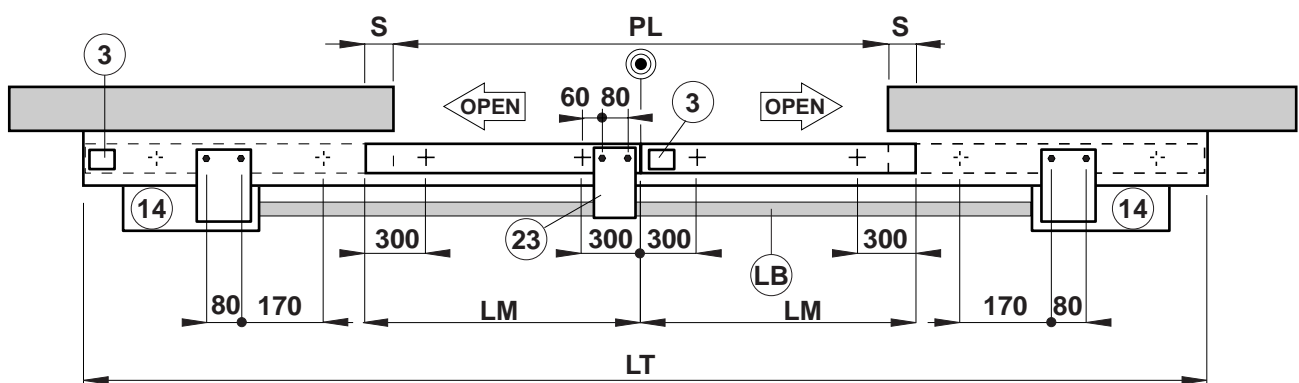


Fig. 13



| | |
|----|------------------------|
| PL | $(LT - 2S) / 2$ |
| LM | $(PL / 2) + S$ |
| LT | $PL + 2LM$ |
| LB | $(PL + 1200) \times 2$ |

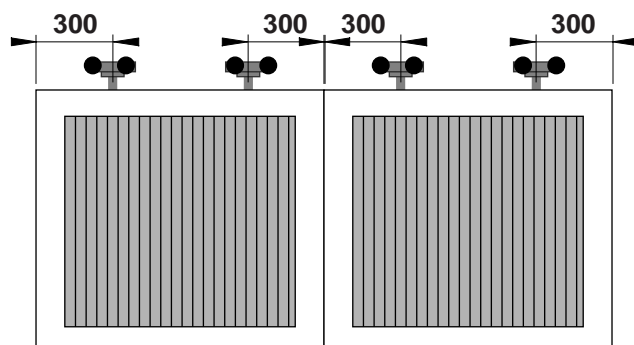


Fig. 14

Montaggio verticale Over60H - Vertical assembly Over60H - Assemblage vertical Over60H - Senkrecht Montage Over60H - Montaje vertical Over60H

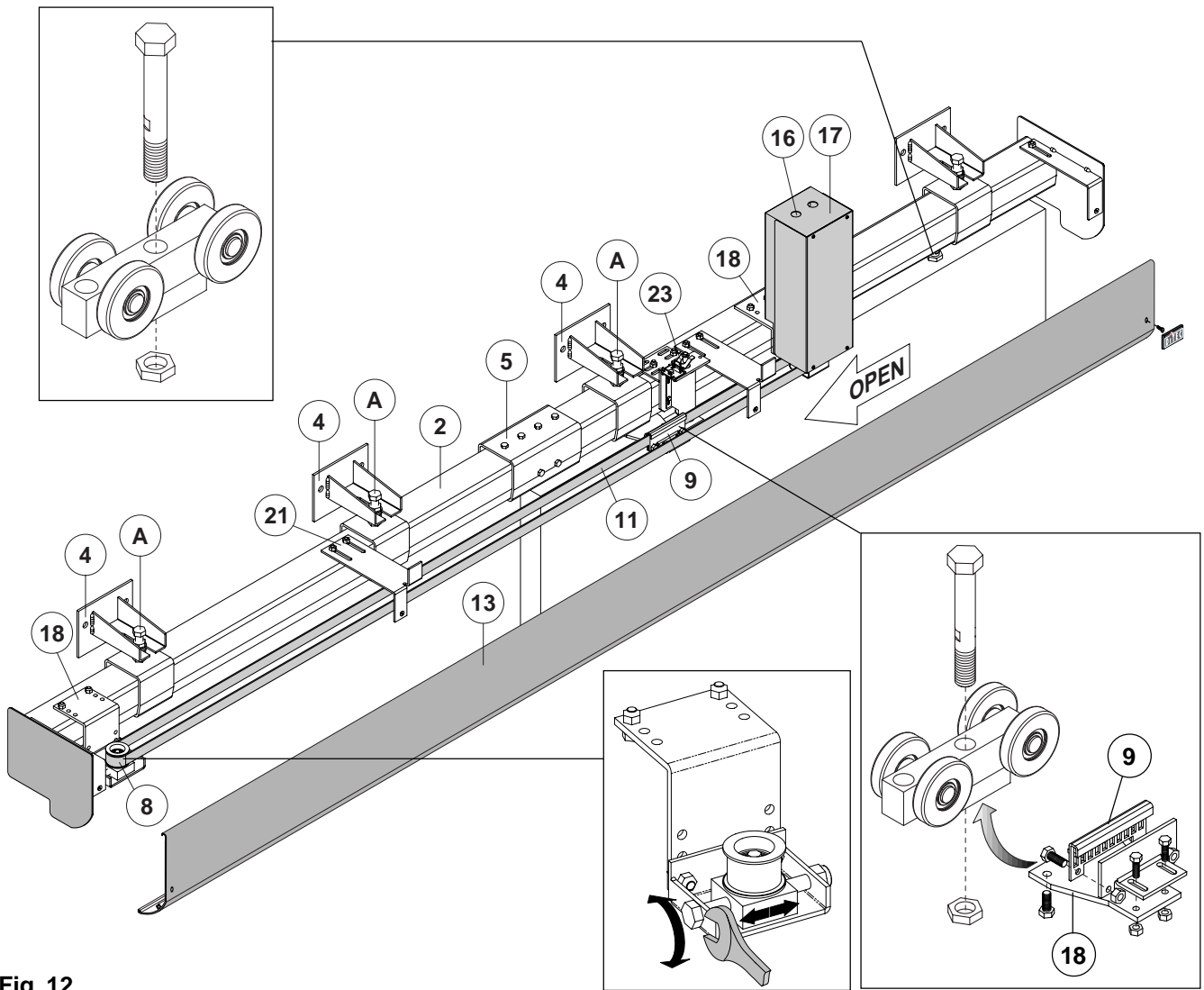
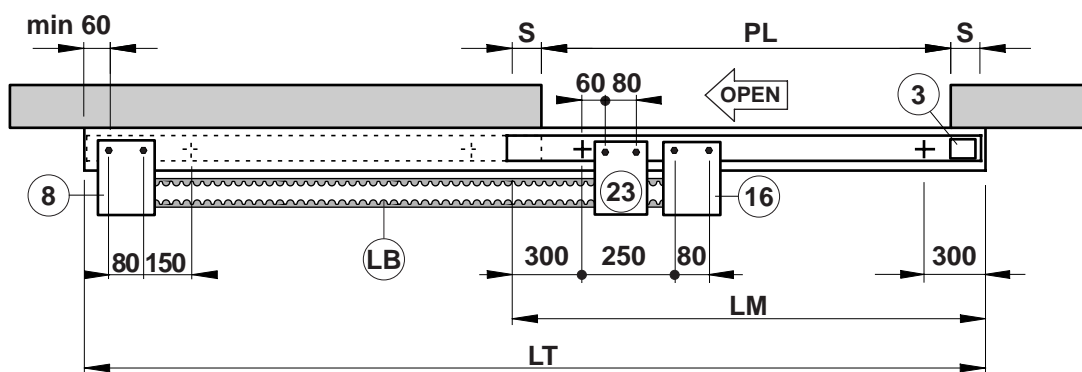


Fig. 12



| | |
|----|------------------|
| PL | $(LT - 3S) / 2$ |
| LM | $PL + 2S$ |
| LT | $PL + LM + S$ |
| LB | $2PL + 2S + 700$ |

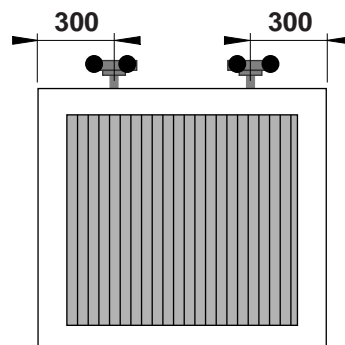


Fig. 13

Montaggio verticale Over60H 2 ante - Over60H 2 wings vertical assembly - Assemblage vertical Over60H 2 vantaux- Over60H 2 Flügel Senkrecht Montage - Montaje vertical Over60H 2 hojas

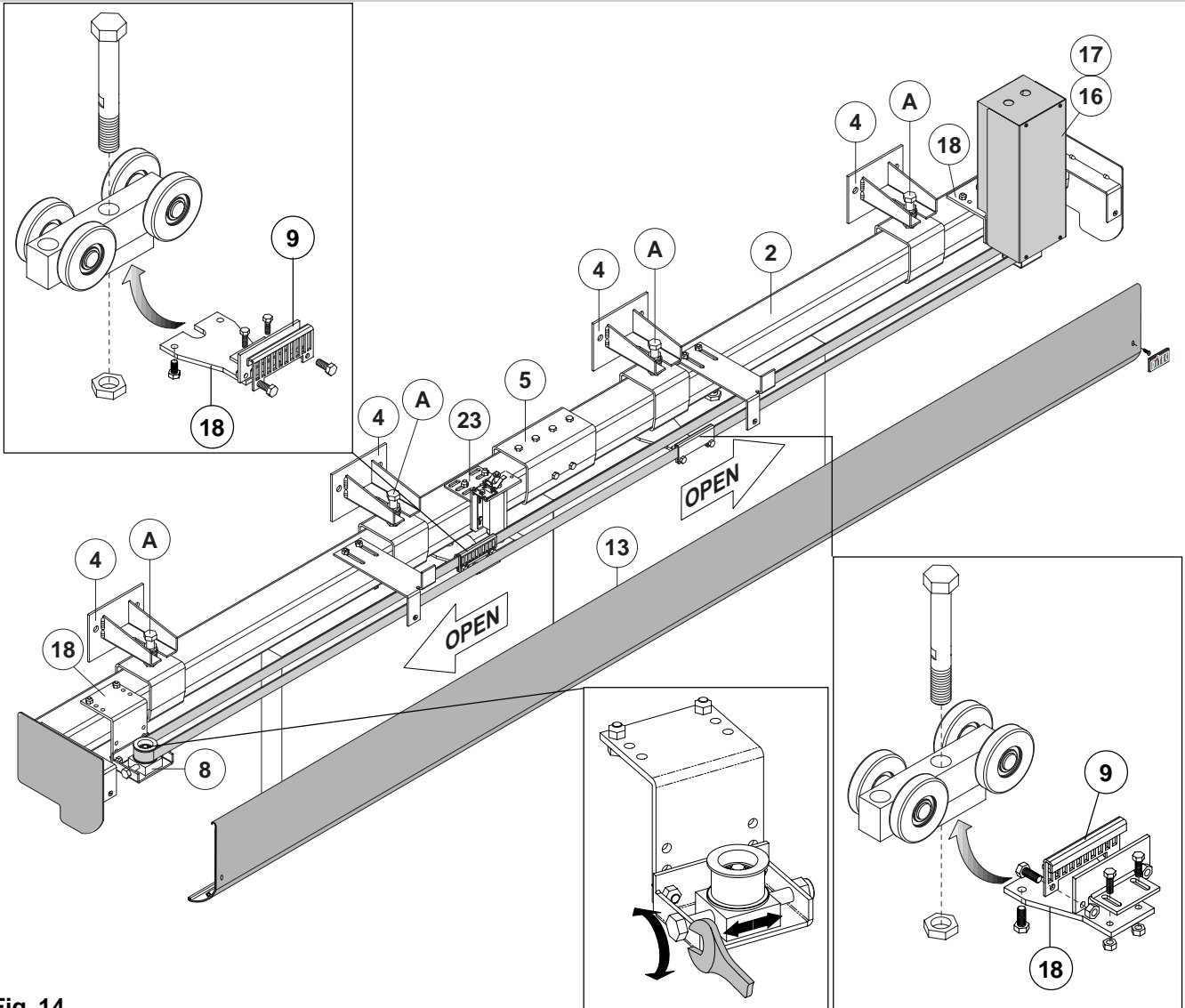
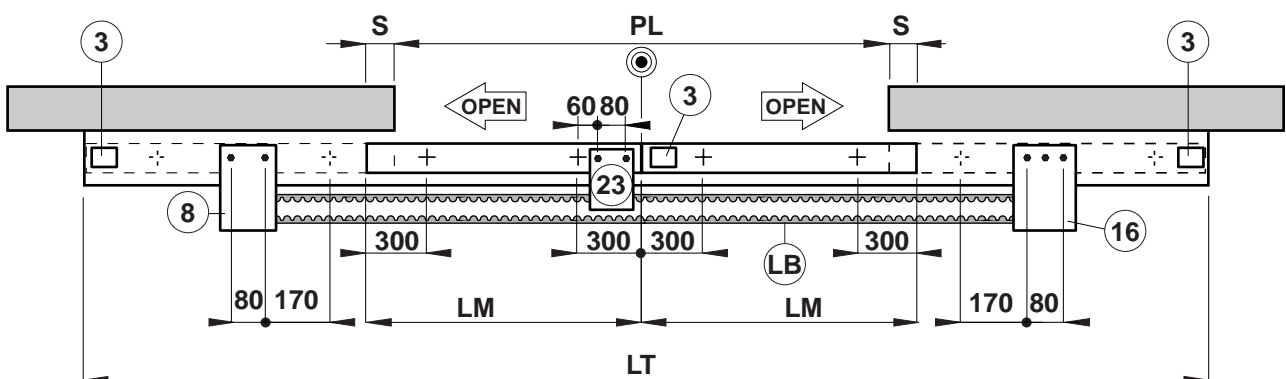


Fig. 14



| | |
|----|----------------------|
| PL | $(LT - 2S) / 2$ |
| LM | $(PL / 2) + S$ |
| LT | $PL + 2LM$ |
| LB | $(PL+1200) \times 2$ |

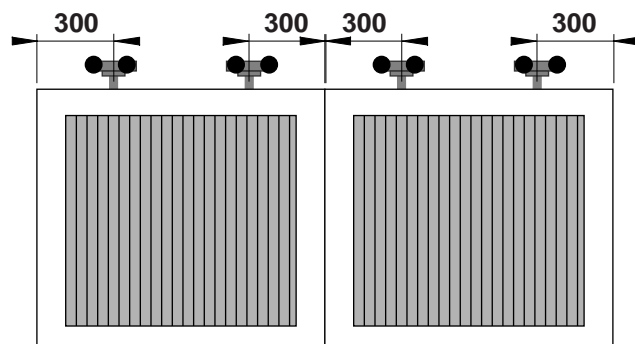


Fig. 15

Montaggio orizzontale Over60H 2 ante - Over60H 2 wings Horizontal assembly - Montage horizontal Over60H 2 vantaux - 2 Flügel Horizontale Montage Over60H- Montaje horizontal Over60H 2 hojas.

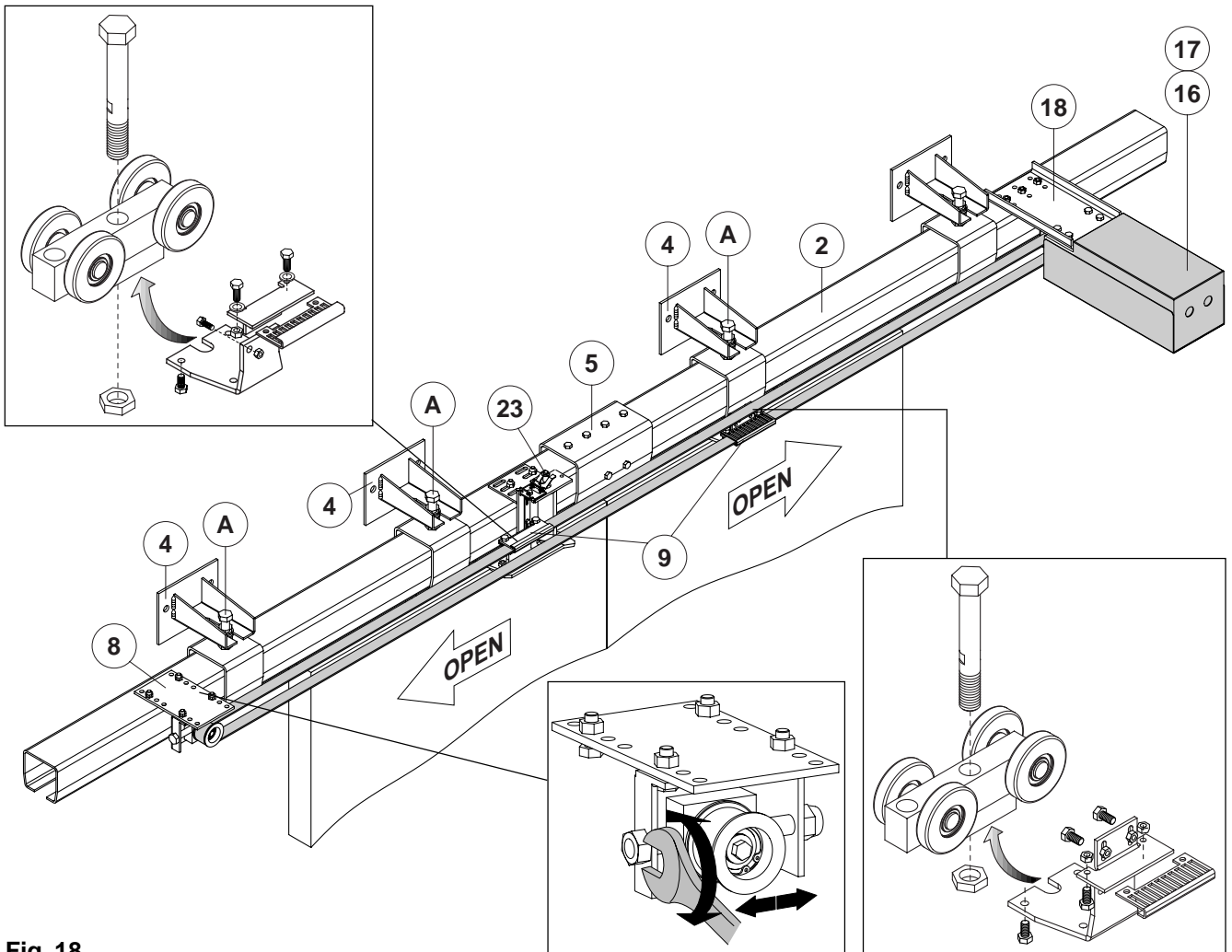
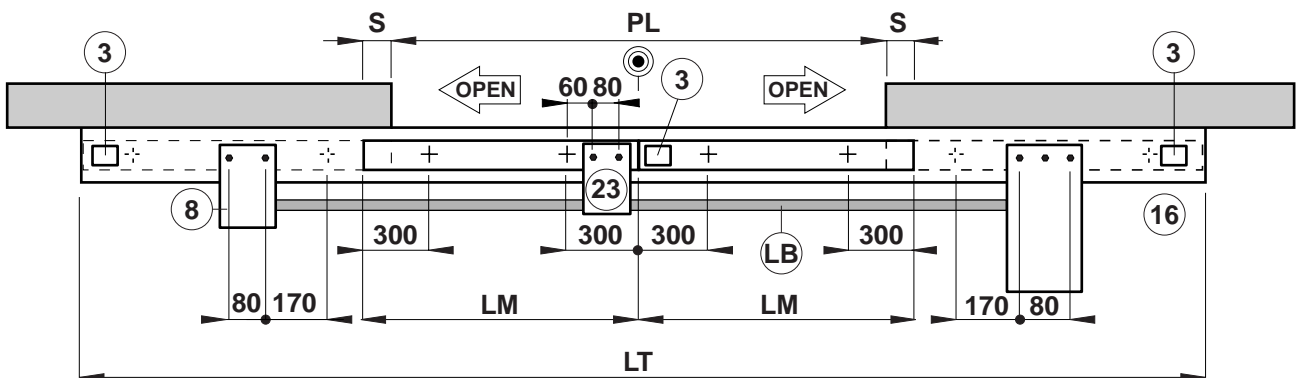


Fig. 18



| | |
|----|----------------------|
| PL | $(LT - 2S) / 2$ |
| LM | $(PL/2) + S$ |
| LT | $PL + 2LM$ |
| LB | $(PL+1200) \times 2$ |

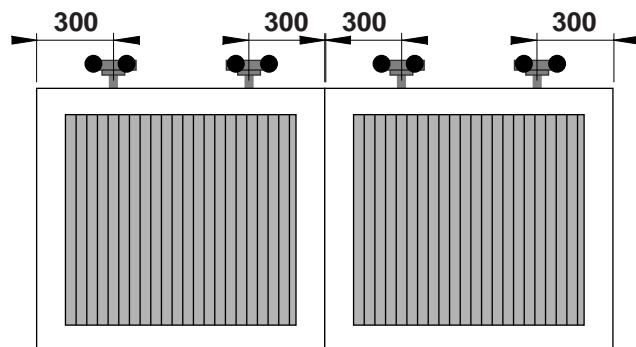


Fig. 19



GENERAL SAFETY PRECAUTIONS

This installation manual is intended for professionally competent personnel only.

The installation, the electrical connections and the settings must be completed in conformity with good workmanship and with the laws in force. Read the instructions carefully before beginning to install the product. Incorrect installation may be a source of danger.

Packaging materials (plastics, polystyrene, etc) must not be allowed to litter the environment and must be kept out of the reach of children for whom they may be a source of danger.

Before beginning the installation check that the product is in perfect condition.

Do not install the product in explosive areas and atmospheres: the presence of flammable gas or fumes represents a serious threat to safety.

Before installing the motorisation device, make all the structural modifications necessary in order to create safety clearance and to guard or isolate all the compression, shearing, trapping and general danger areas.

Check that the existing structure has the necessary strength and stability. The manufacturer of the motorisation device is not responsible for the non-observance of workmanship in the construction of the frames to be motorised, nor for deformations that may occur during use.

The safety devices (photoelectric cells, mechanical obstruction sensor, emergency stop, etc) must be installed taking into account: the provisions and the directives in force, good workmanship criteria, the installation area, the functional logic of the system and the forces developed by the motorised door or gate.

The safety devices must protect against compression, shearing, trapping and general danger areas of the motorized door or gate.

Display the signs required by law to identify danger areas.

Each installation must bear a visible indication of the data identifying the motorised door or gate. Before connecting to the mains check that the rating is correct for the destination power requirements.

A multipolar isolation switch with minimum contact gaps of 3 mm must be included in the mains supply. Check that upstream of the electrical installation there is an adequate differential switch and a suitable circuit breaker. Ensure that the motorised door or gate has an earth terminal in accordance with the safety regulations in force.

The manufacturer of the motorising device declines all responsibility in cases where components which are incompatible with the safe and correct operation of the product only original spare parts must be used. For repairs or replacements of products only original spare parts must be used.

The fitter must supply all information concerning the automatic, the manual and emergency operation of the motorised door or gate, and must provide the user the device with the operating instructions.

MACHINERY DIRECTIVE

Pursuant to Machinery Directive (98/37/EC) the installer who motorises a door or gate has the same obligations as the manufacturer of machinery and as such must:

- prepare the technical file which must contain the documents indicated in Annex V of the Machinery Directive; (The technical file must be kept and placed at the disposal of competent national authorities for at least ten years from the date of manufacture of the motorised door);
- draft the EC declaration of conformity in accordance with Annex II-A of the Machinery Directive and deliver it to the customer;
- affix the CE marking on the power operated door in accordance with point 1.7.3 of Annex I of the Machinery Directive.

For more information consult the "Technical Manual Guidelines" available on Internet at the following address: www.ditec.it

APPLICATIONS

Maximum permissible weight and recommended weight: see TECHNICAL DATA

Service life: 4 (minimum 10-5 years of working life with 100-200 cycles a day)

Applications: HEAVY DUTY (For all special applications with ongoing use such as toll gates and so on)

- Performance characteristics are to be understood as referring to the recommended weight (approx. 2/3 of maximum permissible weight). A reduction in performance is to be expected when the access is made to operate at the maximum permissible weight.
- Service class, running times, and the number of consecutive cycles are to be taken as merely indicative having been statistically determined under average operating conditions, and are therefore not necessarily applicable to specific conditions of use. During given time spans product performance characteristics will be such as not to require any special maintenance.
- The actual performance characteristics of each automatic access may be affected by independent variables such as friction, balancing and environmental factors, all of which may substantially alter the performance characteristics of the automatic access or curtail its working life or parts thereof (including the automatic devices themselves). When setting up, specific local conditions must be duly borne in mind and the installation adapted accordingly for ensuring maximum durability and trouble-free operation.

DECLARATION BY THE MANUFACTURER

(Directive 98/37/EC, Annex II, sub B)

Manufacturer: DITEC S.p.A.

Address: via Mons. Banfi, 3 - 21042 Caronno Pertusella (VA) - ITALY

Herewith declares that the electromechanical automatic system series OVER

- is intended to be incorporated into machinery or to be assembled with other machinery to constitute machinery covered by Directive 98/37/EC, as amended;

- is in conformity with the provisions of the following other EEC directives:

Electromagnetic Compatibility Directive 89/336/EEC, as amended;

Low Voltage Directive 73/23/EEC, as amended;

and furthermore declares that it is not allowed to put the machinery into service until the machinery into which it is to be incorporated or of which it is to be a component has been found and declared to be in conformity with the provisions of Directive 98/37/EC and with national implementing legislation.

Caronno Pertusella, 20-03-2001

Fermo Bressanini
(Chairman)

All right reserved

All data and specifications have been drawn up and checked with the greatest care. The manufacturer cannot however take any responsibility for eventual errors, omissions or incomplete data due to technical or illustrative purposes.

| 1. TEKNISK DATA | n.1 OVER30H | n.2 OVER30H | n.1 OVER60H |
|--------------------------------------|--------------------|----------------------|--|
| Spænding | 24 V _{DC} | | |
| Max forbrug | 8 A | 16 A | 16 A |
| Motor spænding | 100 W | 200 W | 200 W |
| Max trækraft | 300 N | 600 N | 600 N |
| Nominal trækraft | 200 N | 400 N | 400 N |
| Reverseringskraft | ≤ 50 N | ≤ 100 N | ≤ 80 N |
| hastighed (1 fløjet) | | | |
| Åbning | 100÷300 mm/s | | 100÷500 mm/s |
| Lukning | 100÷200 mm/s | | 100÷300 mm/s |
| Ved endestop | 50 mm/s | | 75 mm/s |
| Langsomt | S3 = 80% | | |
| Max vægt (ved OVERG 1 fløjet) | 600 kg | | |
| Max vægt (ved OVERG 2fløjet) | 800 kg | | |
| Max. vægt pr. løbevogn med stål hjul | 300 kg | | |
| Max. vægt pr. løbevogn med nylonhjul | 150 kg | | |
| Min. bredde (LM) | 1200 mm | | |
| Max løbelængde | 6 m | | 6 m ved horizontal motor og rem 9 m ved vertical motor og rem |
| Temperatur | -15° C / +50° C | | |
| Ip faktor | IP02D | | |
| Styre panel | LogicHE | | |
| Batteri | BATK2 (valgbar) | BATK2 (obligatorisk) | |
| Rem type | 5T1016 | | 5T1025 |

ADVARSEL: OVER skal monteres indendørs højre end 2.5 m.

BEMÆRK

PL = Åbnings passage / LM = Bredde portblad / LT = Totallængde automatik / LB = Rem længde

S = Overlap (nominal = 50; minimum = 25; max = Som konstruktion).

2. MONTERING

Hvis andet ikke er nævnt, vil alle mål være opgivet i millimeter (mm).

Baseret på den type installation der er valgt (see figur fra side 8 til side 15), installere gear motor og det planlagte eksterne tilbehør.

- 2.1 Tilpas skinne eller skinner vha. samlebeslag [5] for at opnå LT som er beregnet ud fra skitser og beregninger som er vist på figur.
- 2.2 Monter skinne beslag [4] med den afstand som er vist i figur 2, 3.
- 2.3 Sammel løbevogn som vist i detaljer på figur.
- 2.4 Placer løbevogn ([6] med stålhjul eller [7] med nylonhjul) i skinne. Placer endestop [3] i skinne i samme rækkefølge som vist i figur.
- 2.5 Monter gear motor, remstrammer og skinne beslag for dækkappe (hvis dette anvendes):
 - beregn borhuller som skal bores på skinne for fastgørelse af beslag for gear motor, remstrammer og evt. dækkappe støtter. Advarsel: Huller med Ø 8.5 skal bores i midten af skinne (på den markerede linje).
 - Bor huller i skinne og monter beslag.
 - Monter gear motor og remstrammer.
- 2.6 Før rem igennem tandhjul på gear motor og remstrammer hjul og fastgør den på rembeslag sammen med den anden ende af remmen. **BEMÆRK:** ifbm. to fløjet automatik, placer løbevogne i midten af automatikken og fastgør remmen.
- 2.7 Spænd remmen ved af brug skrue på remstrammer eller på nr.2 motor.
- 2.8 Rengør indvendig i skinne for at fjerne evt. bore rester fra skinne. Kør løbevogn manuel for check om det kører rigtigt. **Advarsel:** Hvis løbevogn er stålhjul, smør med smøremiddel indvendig på skinne.
- 2.9 Monter vægbeslag [4] på væg men check først placering af beslag som forinden er placeret på skinne
- 2.10 (Fig. 2, 3) Løft den komplette og placer den på vægbeslag på væggen. Juster og vater skinnen ved hjælp af skruen [A]. **BEMÆRK:** Det er muligt at juster linjen af skinnen ved sidevejs justering [2] langsomt på beslag [4].
- 2.11 Fastgør portfløj, som er tilgængelig, vha. beslag som ikke er leveret af MBM. Udfør højdejustering som vist på fig. 2,3. Monter evt. gummi profil på forkant portfløj (i en højde på mindst 2.5 m). Check evt. friktion af gulvstyr i gulv, at de ikke udgør nogen fiktion på portfløj.
- 2.12 Check at alle skruer er fastgjort. Monter endebeslag og dækkappe [13] (hvis dette skal anvendes).

3. ELEKTRISK FORBINDELSE OG OPSTART

[24] Tilslut spænding til omni-pole switch med en kontaktåbning hul på min. 3 mm (ikke leveret af os)

Den elektriske forbindelse og opstart af Motor-trækversion type OVER er vist i installation manual for QE LogicHE.

Bemærk: Fremfør separate føringsvej for forbindelse fra encoder og motor til styre panel (maximum 5 m).

4. OVER Fejlfinding i installation ved færdiggørelse af LogicHE styre panel

| PROBLEM | MULIG PROBLEM | UDBEDRING |
|--|--|---|
| Port vil hverken åbne eller lukke | Ingen strøm | Check at der er strøm på styrepanel ALARM LED skal lyse stabil). |
| | Ekstern impuls er kortsluttet (POWER ALARM LED blinker) | Frakobbel alle ekstern impuls fra klemme 0-1 (24 V= skal være tilgængelig) og indkøbel igen en af gangen. |
| | Sikring er sprunget | Ny sikring F1.6 A. |
| | STOP funktion er åben (Led SA lyser). | Check klemme 9 på styrepanel |
| | Nødlukning er aktiv (Led SA lyser). | Check klemme 42 på styrepanel |
| Port åbner men lukker ikke | Sikkerhedsfunktioner er åbne (Led SA lyser). | Check klemmel 6-7-8-9-42 på styrepanel. |
| | Photoceller er tændt (Led SA lyser). | Check at fotoceller er rene og virker korrekt |
| | Radarer er aktive. | Check at radar ikke er udsat for vibration, og der ikke er falsk åbnesignal, eller bevægelse af genstande i radar felt |
| Ekstern sikkerhed vil ikke fejl | Automatisk lukning virker ikke. | Check at kontakt 1-2 er lukket. |
| | Forkert forbindelse mellem fotoceller og styre panel. | Indkøbel N.C. sikkerhedskontakter i series og fjern alle jumpers. |
| Porten åbner selv | Radar ustabil eller dedektere ting i bevægelse. | Check at radar ikke er udsat for vibration, og der ikke er falsk åbnesignal eller bevægelse af genstande i radar felt |
| Port åbner/lukker en lille afstand og derefter stopper | Encoder defekt (POWER ALARM LED lyser). | Ny encoder. |
| | Motor rem snoet (POWER ALARM LED lyser) | Check motor rem. |
| | Friktion modstand. | Manuel check at portblade kan bevæges frit og juster port ved at løfte den. |
| | Encoder ikke tilkoblet | Check forbindelse (max 5 m) og før kabel separat igennem kanal fra motor. |
| | Falsk kontakt | Rengør kontakter ved tilkobling og frakobling Encoder stik på kontakter. |
| R1 sat til for lav værdi | Check indstilling af R1. | |

5. VEDLIGEHOLDELSES PROGRAM (hver 6 måned)

Spænding off 230 V~ og batteri:

- Rengør bevægelige dele (smør indvendig flade på skinne hvor kunne løbevogn køre, (men kun når der er brugt løbevogn med stål hjul.).
- Check stabiliteten af automatikken og check at alle skruer er fastspændt alle steder.

Spænding on 230 V~ og batteri:

- Check at lås/udløser system (hvis installeret) fungere .
- Check stabiliteten af port og at bevægelsen er jævn, uden friktion.
- Check forbindelsen af alle kontakter og sikkerhedsfunktioner.

Bemærk: For reservedele, kontakt din forhandler

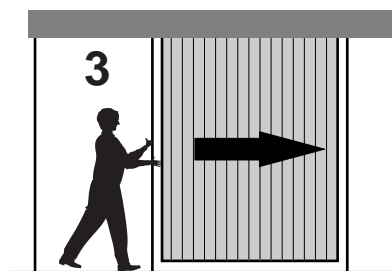
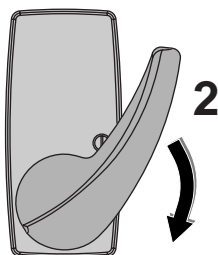
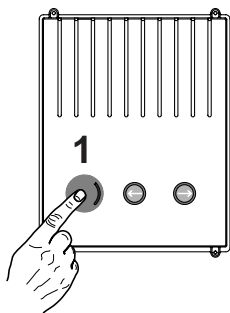


AUTOMATIC ENTRANCE SPECIALISTS



Beskrivelse for manuel funktion Over

Motor-trækversion til lineær skyde port



MANUAL PORT FUNKTION

I forbindelse med manuel funktion eller strømsvigt, tryk nødtryk [1] (KOMPLET STOP), frigør portfløj lås [2] (hvis monteret) og skub porten manuelt [3].



GENERAL SAFETY PRECAUTIONS

The following precautions are an integral and essential part of the product and must be supplied to the user. Read them carefully as they contain important indications for the safe installation, use and maintenance. These instructions must be kept and forwarded to all possible future users of the system. This product must be used only for that which it has been expressly designed. Any other use is to be considered improper and therefore dangerous. The manufacturer cannot be held responsible for possible damage caused by improper, erroneous or unreasonable use. Avoid operating in the proximity of the hinges or moving mechanical parts. Do not enter the field of action of the motorised door or gate while in motion. Do not obstruct the motion of the motorised door or gate as this may cause a situation of danger. Do not lean against or hang on to the barrier when it is moving. Do not allow children to play or stay within the field of action of the motorised door or gate. Keep remote control or any other control devices out of the reach of children, in order to avoid possible involuntary activation of the motorised door or gate. In case of breakdown or malfunctioning of the product, disconnect from mains, do not attempt to repair or intervene directly and contact only qualified personnel. Failure to comply with the above may create a situation of danger.

All cleaning, maintenance or repair work must be carried out by qualified personnel.

In order to guarantee that the system works efficiently and correctly it is indispensable to comply with the manufacturer's indications thus having the periodic maintenance of the motorised door or gate carried out by qualified personnel.

In particular regular checks are recommended in order to verify that the safety devices are operating correctly.

All installation, maintenance and repair work must be documented and made available to the user.

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