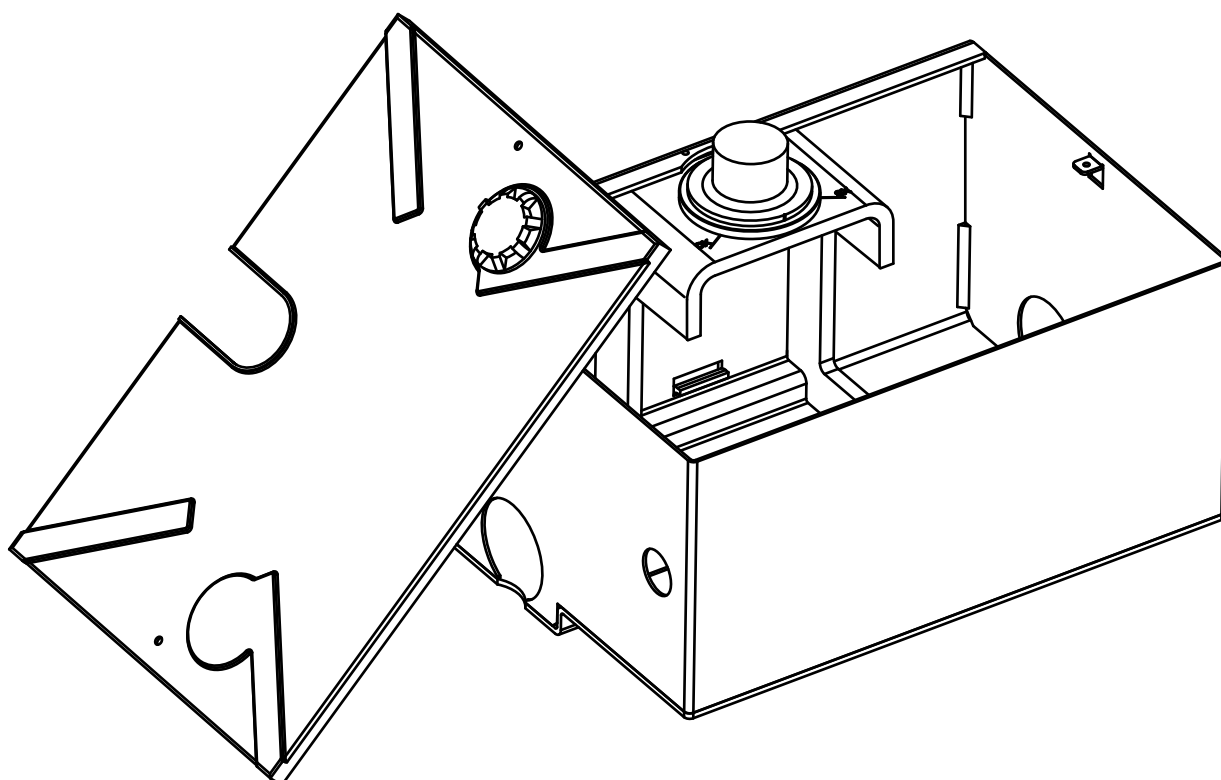


- I** CASSA DI FONDAZIONE PORTANTE PER SUB 90°
- GB** FOUNDATION CASE FOR SUB 90°
- F** CAISSE DE FONDATION PORTEUSE POUR SUB 90°
- D** TRAGFÄHIGES FUNDAMENTGEHÄUSE SUB 90°
- E** CAJA DE CIMENTACION DE SUSTENTACION PARA SUB 90°
- P** CAIXA DE FUNDAÇÃO PORTANTE PARA SUB 90°

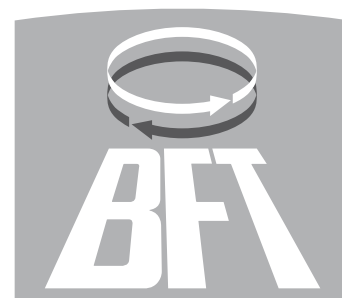

FCS



ISTRUZIONI D'USO E DI INSTALLAZIONE
INSTALLATION AND USER'S MANUAL
INSTRUCTIONS D'UTILISATION ET D'INSTALLATION
INSTALLATIONS-UND GEBRAUCHSANLEITUNG
INSTRUCCIONES DE USO Y DE INSTALACION
INSTRUÇÕES DE USO E DE INSTALAÇÃO



AZIENDA CON SISTEMA DI GESTIONE
INTEGRATO CERTIFICATO DA DNV
= UNI EN ISO 9001:2000 =
UNI EN ISO 14001:2004

Via Lago di Vico, 44
 36015 Schio (VI)
 Tel.naz. 0445 696511
 Tel.int. +39 0445 696533
 Fax 0445 696522
 Internet: www.bft.it
 E-mail: sales@bft.it



 This product is supplied with a “Warnings” leaflet and an “Instruction Manual”. These should both be read carefully as they provide important information about safety, installation, operation and maintenance.

1) DIMENSIONS (FIG.1)

2) FOUNDATION CASE INSTALLATION

Make a hole in the ground at the foot of the gatepost which is large enough to house the FCS case (Fig.1). Make sure that water is always drained away adequately. Make a concrete base on which the case can rest so that adjustment can be carried out (Fig.2). The case should be positioned so that the centre of the bushing is in a perfect line with the hinge of the gate leaf. In order to prevent any unwanted cement from penetrating inside, proceed to close all gaps and unused holes.

Check the axis of the gate leaf with a plumb line and both sides of the box with a level (Fig.2). Position the drain for the water and the raceways for connections. In order to prevent any unwanted cement from penetrating inside, proceed to close all gaps and unused holes. Fill the hole. In order to prevent curving of the foundation case walls during casting, we recommend to insert a wooden strut in between.

N.B. The edge of the case should protrude by about 8-10 mm from ground level so that the cover can be fitted correctly.

3) GATE LEAF ASSEMBLY

Once the concrete has hardened, the leaves of the gate can be assembled as follows: Grease the bushing and brass carefully.

3.1) Right leaf (seen from the inside - Fig.4)

- Insert the bush “Y” into the appropriate seat (Fig.4A).
- Rest the gate leaf on the bushing in GATE CLOSED position, check the alignment of the leaf (bushing - leaf hinge) as when positioning the case.
- Accurately line the bushing notch up with the notch “DX” in the case.
- Weld the bushing securely to the leaf.

3.2) Left leaf (seen from the inside - Fig.4)

- Carry out all the operations as in point 3.1, aligning however the bush notch with the “SX” notch on the box.

4) CONTROLLER ASSEMBLY

- Fit the grooved joint onto to motor shaft (Fig.4B).
- Fit the raiser cone using the two three-lobed screws M3x8 and appropriate washers (Fig.3).
- Release the operator using the appropriate triangular key and rotate the output shaft in the leaf closing direction along the entire stroke. To rotate the output driving shaft, you can use an adjustable spanner to be placed on the hollow of the grooved joint. Fig.4B shows the different positions of the splined joint after it has been mounted on the operator, depending on whether the leaf is mounted on the right (DX) or on the left (SX).
- Rotate the splined joint tooth towards the opening direction, until it is brought parallel with the operator (Fig.4C).
- Abundantly grease the threaded holes in the bottom of the case.
- Open the leaf so as to have enough room to insert the operator (Fig. 5/A).
- Start to screw dowel M12x20 into the respective threaded hole found in the grooved joint (Fig.4C).
- Insert the operator following the movements indicated in figure 5, until the lower plate becomes inserted between the walls of the case, and bring the operator to the intermediate position shown in Fig. 5/C.
- Close the leaf until the bush notch is located in the centre, i.e. half-way between the right and left marks. In this position, the joint tooth can be inserted in the bush; in the case where the bush cannot be inserted straight away, the leaf must be moved further.
- Slightly lift the operator by holding it from the front (Fig.5/D) and push it against the stop plate as in Fig. 5/E. You can be sure of correct positioning when the holes “K” in the plate are aligned with the nut welded on the bottom of the case (Fig. 5/F).
- Now screw dowel M12x20 in fully.
- Insert the M12x130 screws into holes “K” and tighten them (Fig.6).
- Close and fix the cap with the 2 short self-threading screws, then fix the cover with the 2 long screws. Connect the operator and test the system.

FIG.1

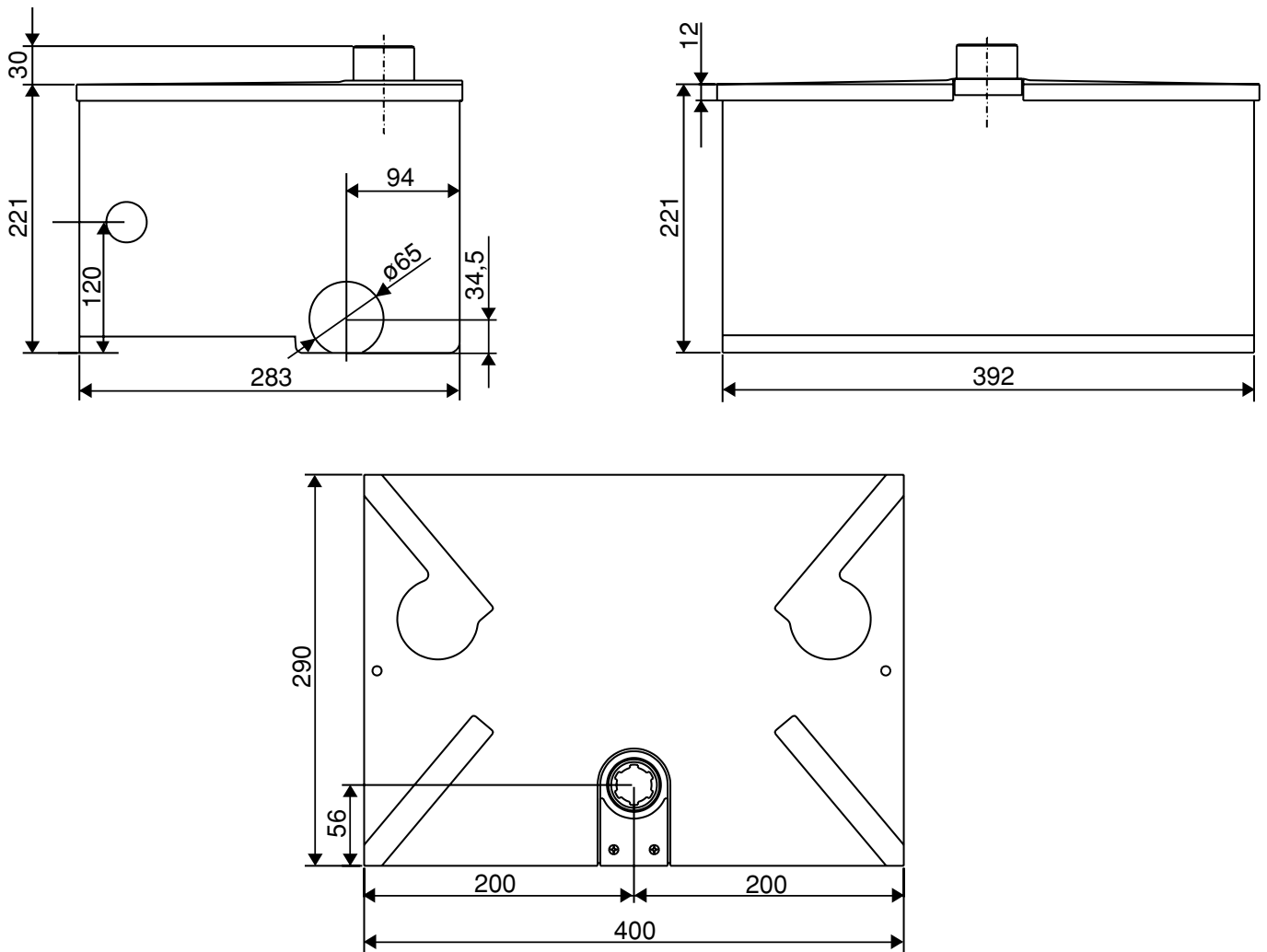


FIG.2

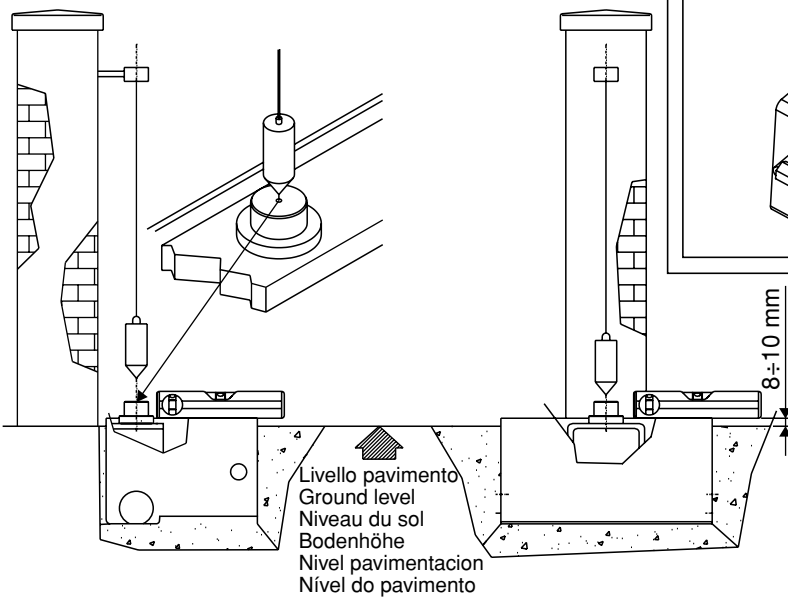


FIG.3

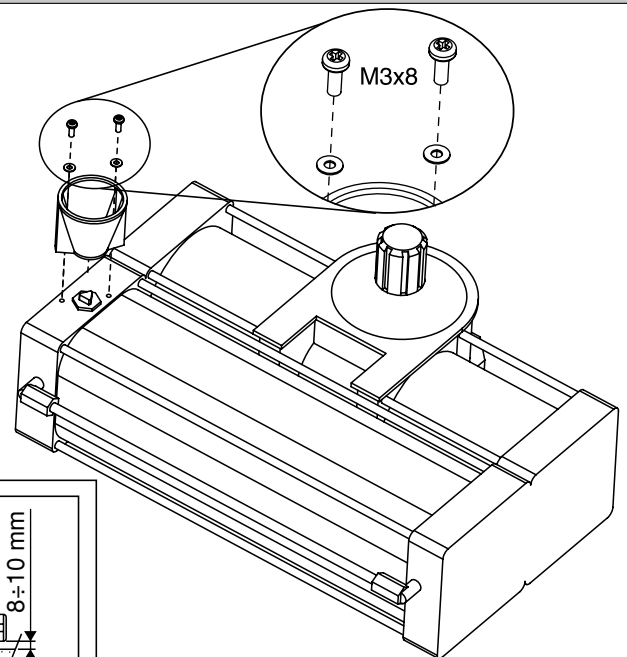


Fig.4

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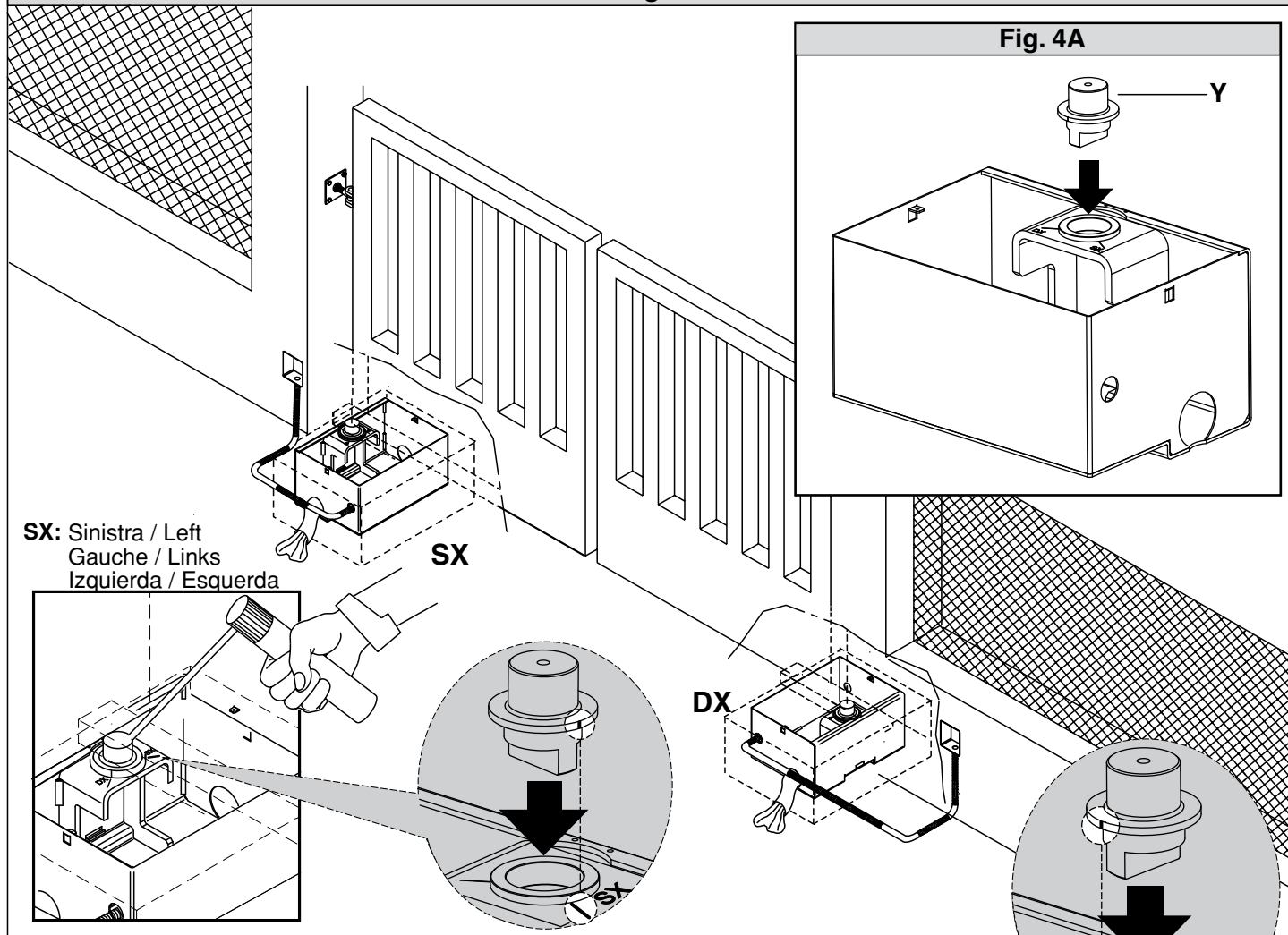


Fig. 4B

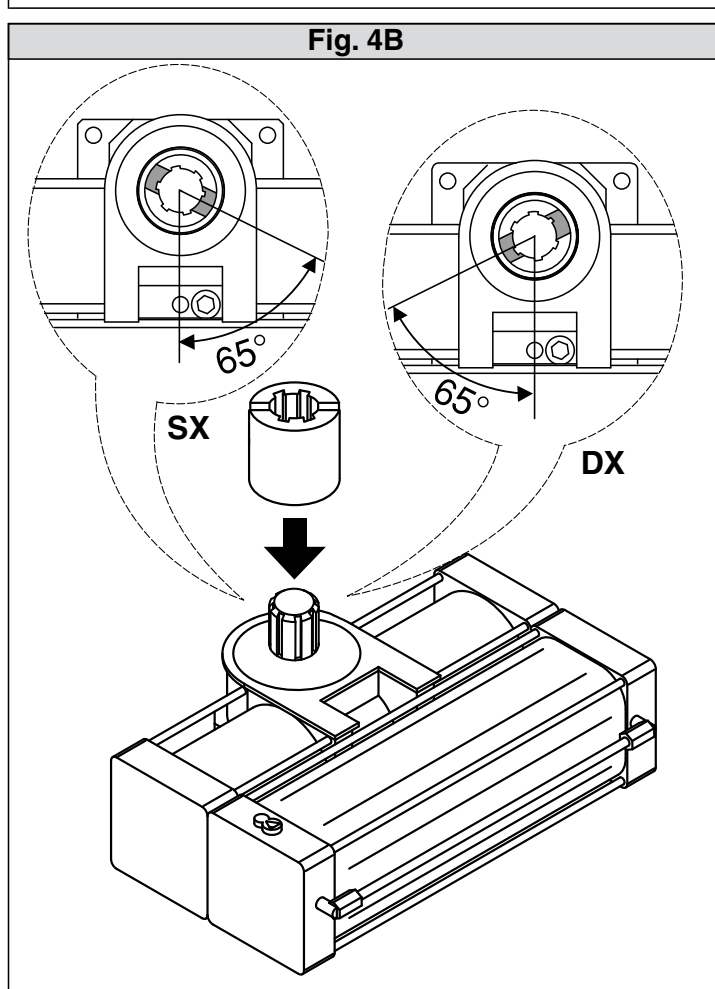


Fig. 4C

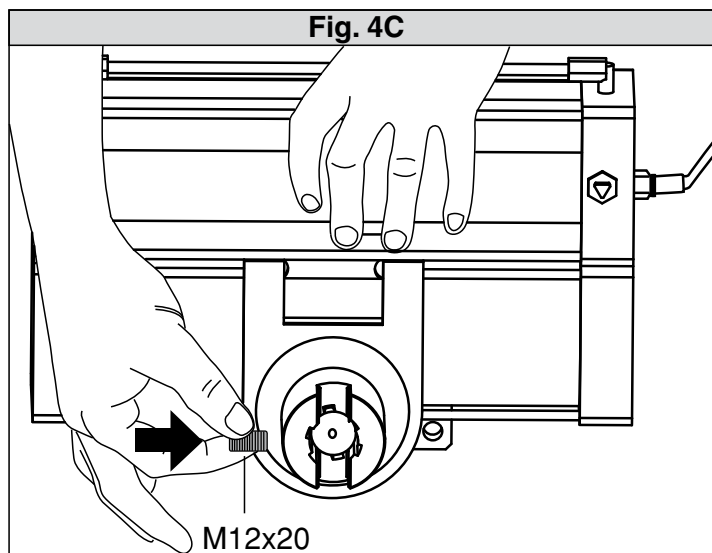


Fig. 5

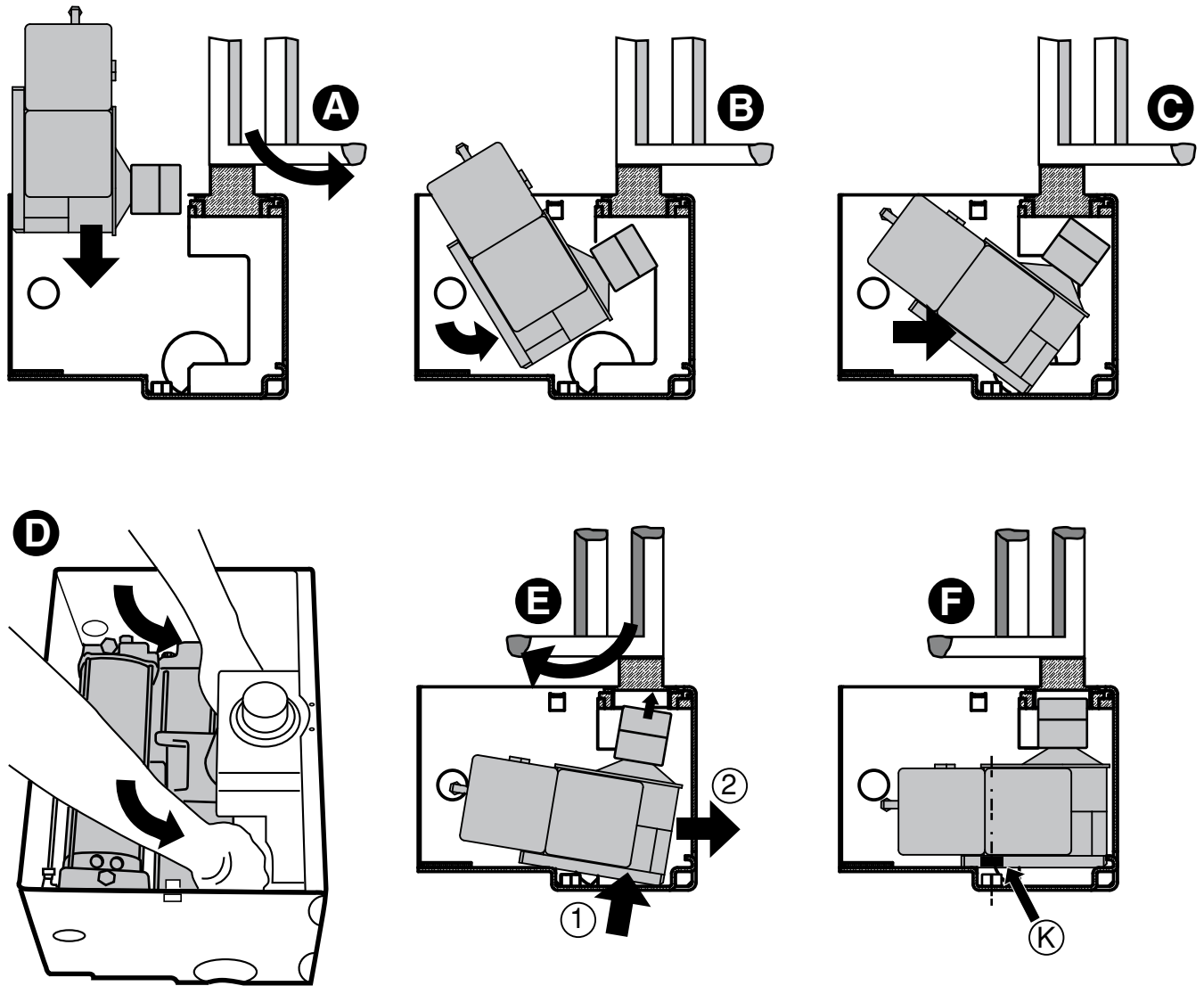
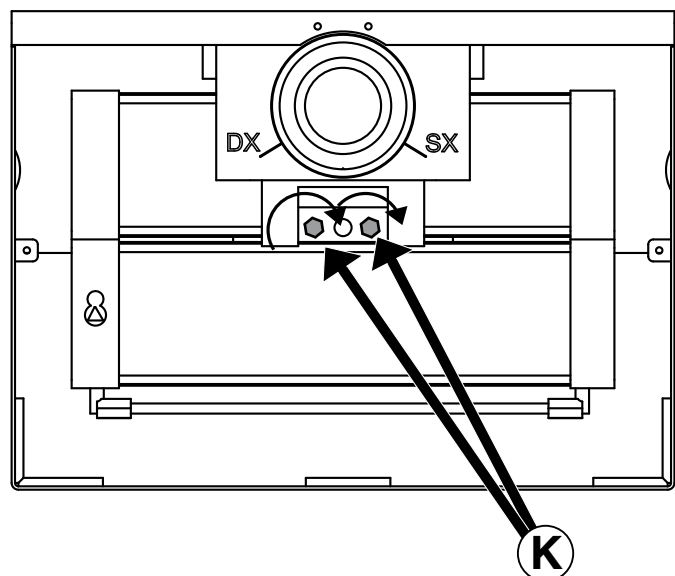
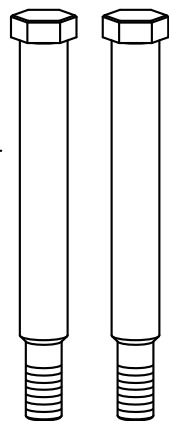


Fig. 6

M12 x 130



BFT S.P.A.

Via Lago di Vico 44, 36015 Schio (Vi) - **Italy**
tel. +39 0445 69 65 11 / fax. +39 0445 69 65 22
www.bft.it / e-mail: info@bft.it

AUTOMATISMES BFT FRANCE

13 Bdl. E. Michelet, 69008 Lyon - **France**
tel. +33 (0)4 78 76 09 88 - fax +33 (0)4 78 76 92 23
e-mail: contacts@automatismes-bft-france.fr

**BFT Torantriebssysteme GmbH**

Faber-Castell-Straße 29
D - 90522 Oberasbach - **Germany**
tel. +49 (0)911 766 00 90 - fax +49 (0)911 766 00 99
e-mail: service@bft-torantriebe.de

BFT Automation UK Ltd

Unit 8E, Newby Road
Industrial Estate Hazel Grove, Stockport,
Cheshire, SK7 5DA - **UK**
tel. +44 (0) 161 4560456 - fax +44 (0) 161 4569090
e-mail: info@bftautomation.co.uk

BFT BENELUX SA

Parc Industriel 1, Rue du commerce 12
1400 Nivelles - **Belgium**
tel. +32 (0)67 55 02 00 - fax +32 (0)67 55 02 01
e-mail: info@bftbenelux.be

BFT-ADRIA d.o.o.

Obrovac 39
51218 Dražice (Rijeka)
Hrvatska - **Croatia**
tel. +385 (0)51 502 640 - fax +385 (0)51 502 644
e-mail: info@bft.hr

BFT Polska Sp. z o.o.

ul. Kolacińska 35
03-171 Warszawa - **Poland**
tel. +48 22 814 12 22 - fax +48 22 814 39 18
e-mail: biuro@bft.com.pl

BFT USA BFT U.S., Inc.

6100 Broken Sound Pkwy. N.W., Suite 14
Boca Raton, FL 33487 - **U.S.A.**
T: +1 561.995.8155 - F: +1 561.995.8160
TOLL FREE 1.877.995.8155 - info.bft@bft-usa.com

BFT GROUP ITALIBERICA DE AUTOMATISMOS S.L.

Pol. Palou Nord,
Sector F - C/Cami - Can Basa nº 6-8 08401 Granollers -
(**Barcelona**) - **Spain**
tel. +34 938 61 48 28 - fax +34 938 70 03 94
e-mail: bftbcn@bftautomatismos.com

P.I. Comendador - C/
informática, Nave 22 - 19200 Azuqueca de henares
(**Guadalajara**) - **Spain**
tel. +34 949 26 32 00 - fax +34 949 26 24 51
e-mail: administracion@bftautomatismos.com

BFT SA-COMERCIO DE AUTOMATISMOS E MATERIAL DE SEGURANÇA
UrbanizaCao da Pedrulha Lote 9 - Apartado 8123,
3020-305 COIMBRA - **PORTUGAL**
tel. +351 239 082 790 - fax +351 239 082 799
e-mail: geral@bftportugal.com