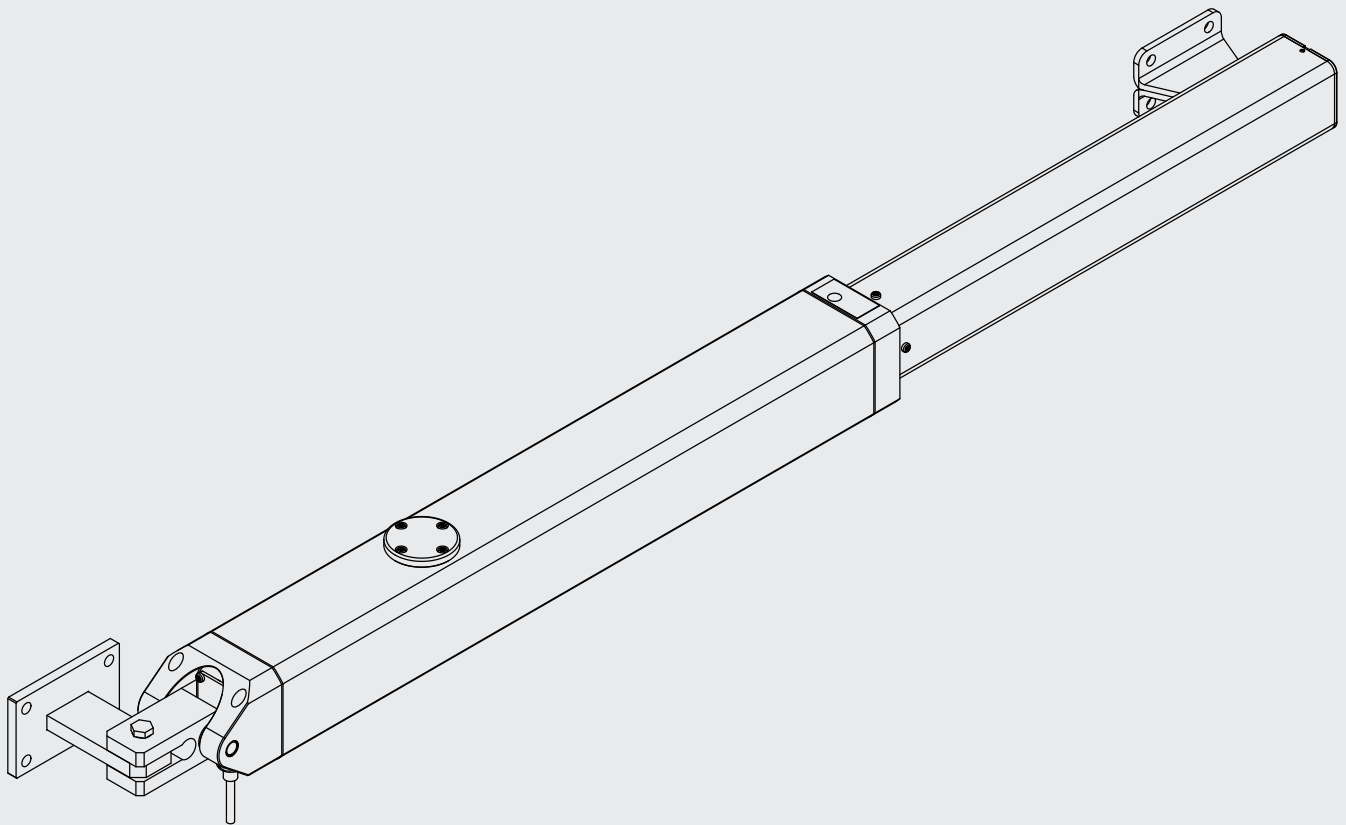


L854200072  
05/2019 rev. 0

# HYDRO

## HD.80



IT

EN

DE

FR

**CAB**  
MORE THAN AUTOMATION

CE

<b>Dati tecnici</b>	<b>Technical data</b>	<b>HD.80 230V</b>	<b>HD.80 115V</b>
Alimentazione	Power supply	230Vac (50/60Hz)	115Vac (50/60Hz)
Motore	Motor	1400g/min	1400g/min
Corrente assorbita	Absorbed current	1,3 A	2,6 A
Spinta	Thrust	10000 N	10000 N
Peso max anta	Door leaf weight	1000 kg	1000 kg
Lunghezza max anta	Door leaf width	8 m	8 m
Corsa utile	Stroke length	390 mm	390 mm
Portata pompa	Pump delivery	0,75 l/min	0,75 l/min
Velocità stelo	Ram speed	0,75 cm/s	0,75 cm/s
Pressione max	Max pressure	50 bar	50 bar
Grado di protezione	Protection rating	IP 55	IP 55
N° manovre consecutive	N° cons.ve manoeuv.	*	*
Pompa	Pump	a lobi	a lobi
Diametro stelo	Ram shaft diameter	Ø 22 mm	Ø 22 mm
Rumorosità	Noise level	< 70 dB (a)	< 70 dB (a)
Protezione termica	Overload cut-out	150°C	150°C
Temp. funzionamento	Operating temp.	-20°C/+50°C	-20°C/+50°C
Condensatore	Condenser	10 µF	36 µF
Olio	Oil	D.OIL 3.5 l (3 kg)	D.OIL 3.5 l (3 kg)
Tipologia blocco	Type of lock	**	**
* Uso intensivo - <b>Intense use</b> -			
** Reversibile (Richiede elettroserratura) - <b>Reversible (Requires electric lock)</b>			

<b>Technische Daten</b>	<b>Données technique</b>	<b>HD.80 230V</b>	<b>HD.80 115V</b>
Versorgung	Alimentation	230Vac (50/60Hz)	115Vac ( 50/60Hz)
Motor	Moteur	1400g/min	1400g/min
Stromaufnahme	Courant absorbé	1,3 A	2,6 A
Schub	Poussée	10000 N	10000 N
Türflügelgewicht	Poids porte	1000 kg	1000 kg
Flügelänge	Longueur porte	8m	8 m
Nutzhub	Pression max.	390 mm	390 mm
Pumpenleistung	Corsa utile	0,75 l/min	0,75 l/min
Schaftgeschwindigkeit	Débit pompe	0,75 cm/s	0,75 cm/s
Max. Druck	Vitesse tige piston	50 bar	50 bar
Schutzart	Indice de protection	IP 55	IP 55
N. Vorgänge hintereinan.	Nb de manoeuv. conséc.	*	*
Pumpe	Pompe	a lobi	a lobi
Schaftdurchmesser	Diamètre tige piston	Ø 22 mm	Ø 22 mm
Lärm	Niveau sonore	< 70 dB (a)	< 70 dB (a)
Thermoschutz	Protection thermique	150°C	150°C
Betriebszeit	Temp. fonctionnement	-20°C/+50°C	-20°C/+50°C
Kondensator	Condensateur	10 µF	36 µF
Öl	Huile	D.OIL 3.5 l (3 kg)	D.OIL 3.5 l (3 kg)
Verriegelungstyp	Type de blocage	**	**
* Intensive Nutzung- <b>Usage intensif</b>			
** Reversibel (Erfordert Elektroverriegelung) - <b>Réversible (Nécessite une serrure électrique)</b>			

## Dimensioni d'ingombro - Overall dimensions Abmessungen - Dimensions d'encombrement

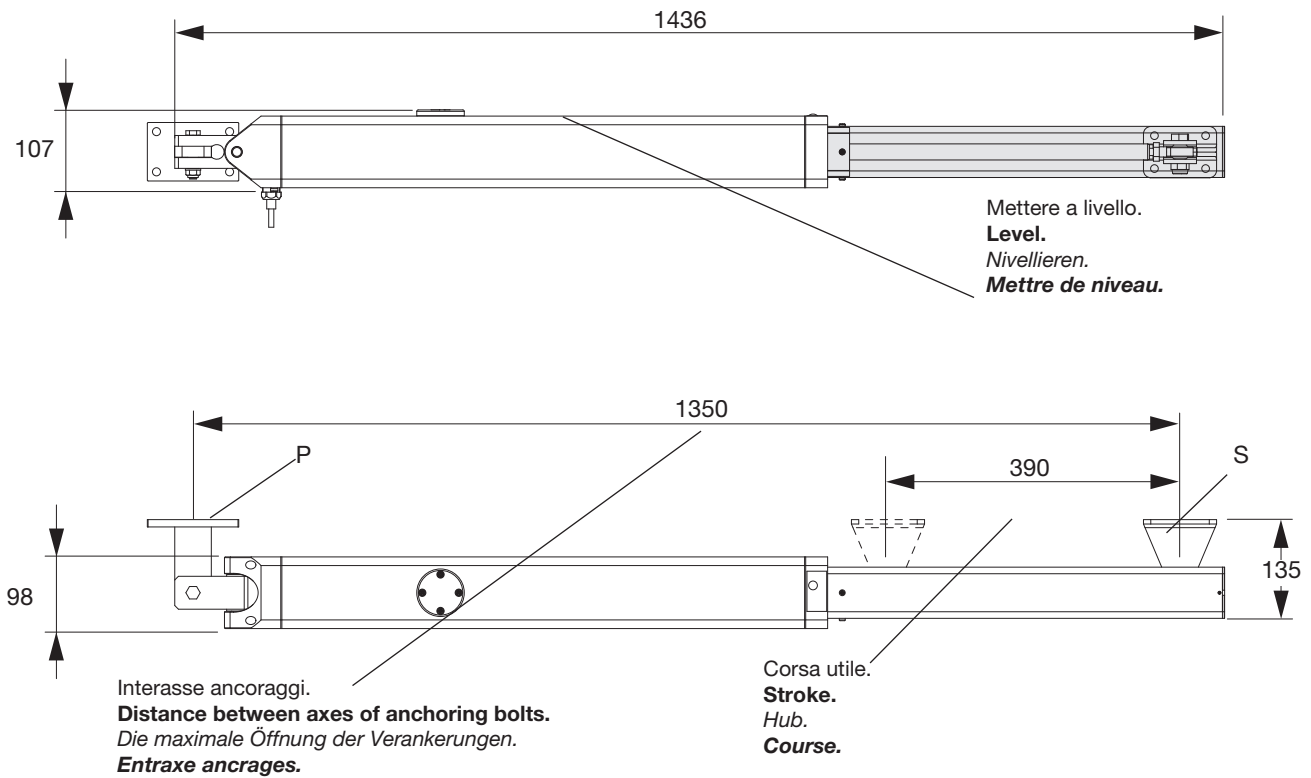


Fig. 1

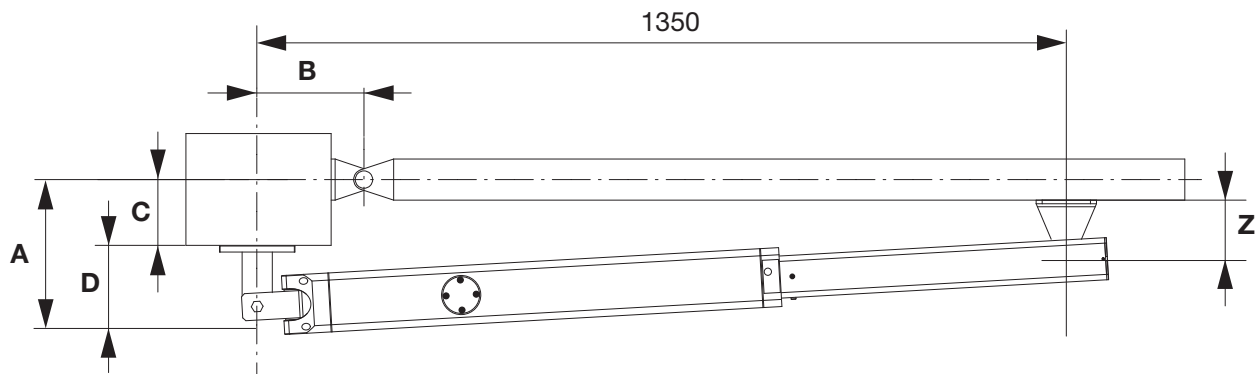
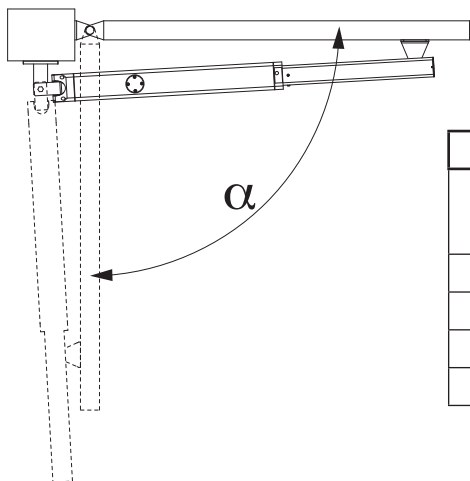


Fig. 2



HD.80							
$\alpha$	A (mm)	B (mm)	C (mm)	D (mm)	Z (mm)	T*(s) HD.80	Corsa./ Stroke. Hub./ Course. (mm)
90°	195	195	130	65	100	50	390
100°	180	180	115	65	100	50	390
110°	165	175	100	65	100	50	390
120°	140	175	65	65	100	49	383

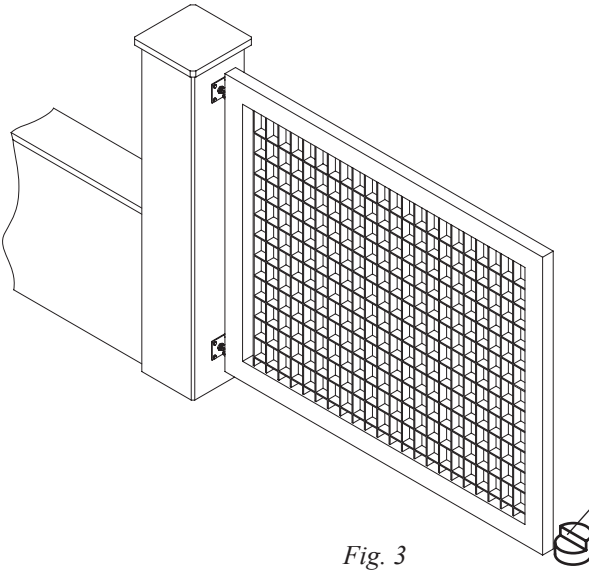
\*Tempo apertura indicativo, escluso rallentamento

**\*Indicative opening time, excluded slowdown**

\*Hinweisende öffnungszeiten, ausschließliches Verlangsamungen

**\*Temps indicatif d'ouverture, ralentissement exclu**

Arresto in apertura.  
**Stop when opening.**  
 Endanschlag zur Öffnung.  
**Arrêt en ouverture.**



Arresto in chiusura.  
**Stop when closing.**  
 Endanschlag zur Schließung.  
**Arrêt en fermeture.**

Fig. 3

Fig. 4

**IMPORTANT!** Estrarre completamente lo stelo e farlo rientrare di circa 10mm prima di fissare la staffa "S" all'anta.  
**IMPORTANT!** Slide out the ram shaft completely and then back in by approx. 10mm before fastening bracket "S" to the wing.  
 WICHTIG! Den Schaft ganz ausziehen und um zirka 10 mm wieder einschieben, bevor der „S“-Bügel am Torflügel befestigt wird.  
**IMPORTANT!** Extraire complètement la tige du piston et la faire rentrer d'environ 10 mm avant de fixer la patte «S» au vantail.

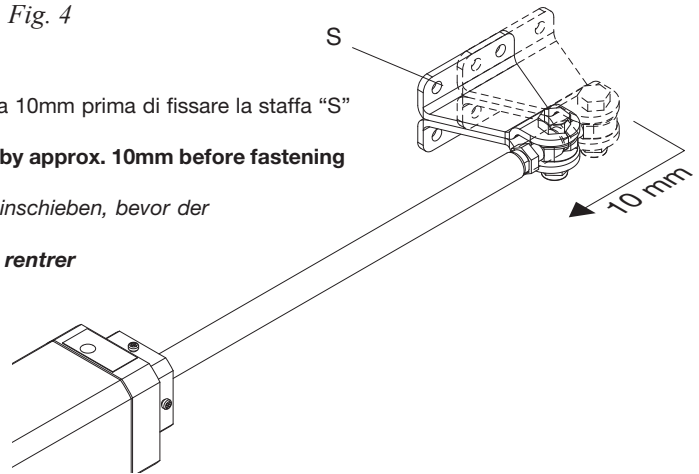
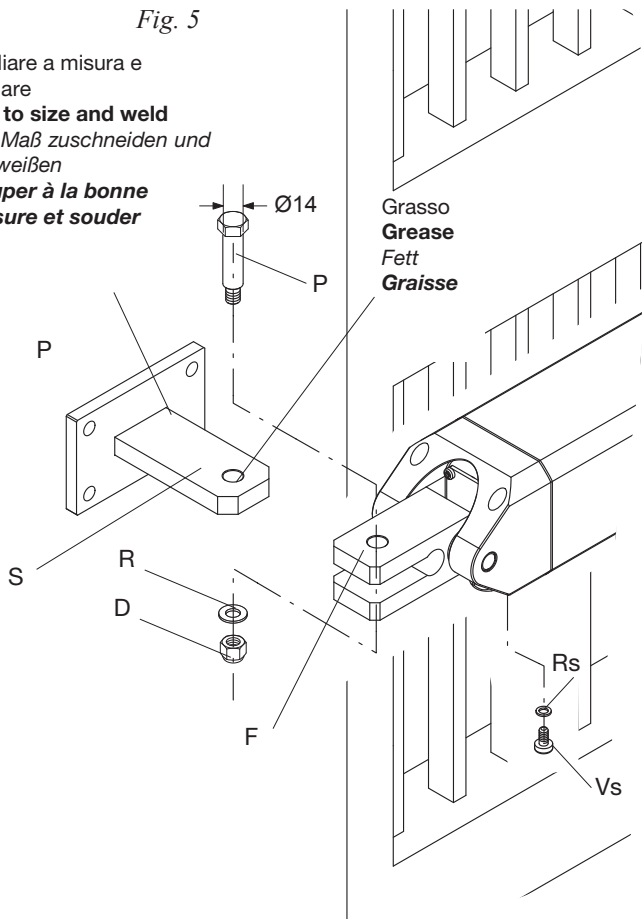


Fig. 5

Tagliare a misura e saldare  
**Cut to size and weld**  
 Auf Maß zuschneiden und schweißen  
 Couper à la bonne mesure et souder



Avvitare o saldare.  
**Bolt or weld.**  
 Einschrauben oder schweißen.  
**Visser ou souder**

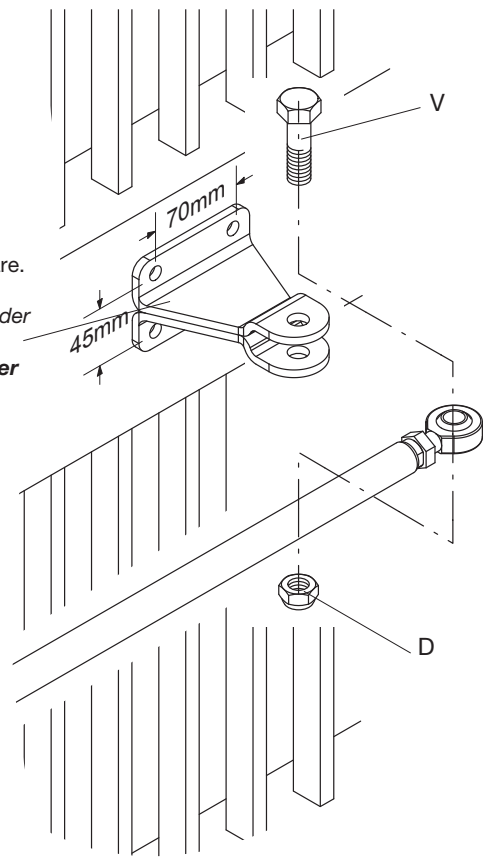


Fig. 6

Regolazione forza di spinta  
**Adjustment of the thrust**  
*Einstellung der Schubkraft*  
**Réglage force de poussée**

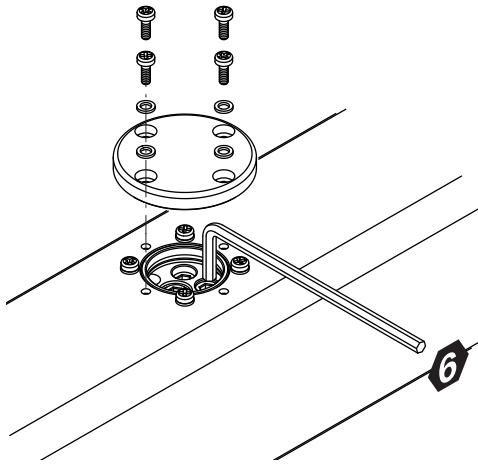
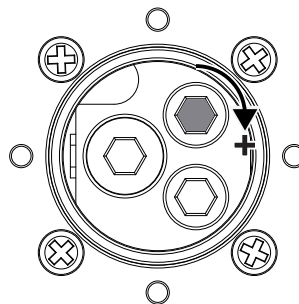


Fig. 7



CLOSE

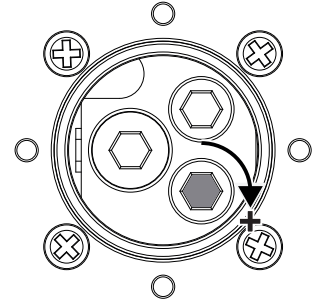


Fig. 8

OPEN

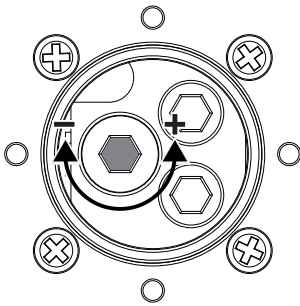


Fig. 9

Nel caso la manovra manuale risultasse difficoltosa ruotare la vite evidenziata in direzione + (massimo un giro). Prima di tornare al funzionamento automatico riportarla alla posizione originale (-).

**In case the manual operation proves difficult, rotate the highlighted screw toward the + (maximum one rotation). Before to go back to the automatic functioning bring the screw to the original position (-).**

*Falls sich die manuelle Bewegung als schwierig erweist, drehen Sie die unterstrichene Schraube in Richtung + (maximal eine Drehung). Bevor man in den Automatikbetrieb wechselt, bringen Sie die Schraube in die ursprüngliche Position (-).*

**Si la manœuvre manuelle s'avère difficile, tourner la vis mis en évidence en direction + (maximum un tour). Avant de retourner au fonctionnement automatique, la reporter à sa position originale (-).**

Livello Olio  
**Oil level**  
*Der Ölstand darf*  
**Niveau d'huile**

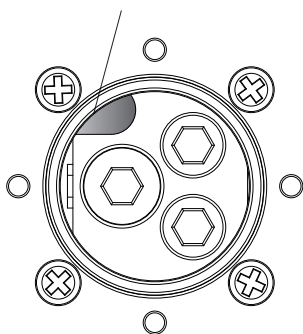


Fig. 10

Verificare che con stelo completamente rientrato, il livello dell'olio raggiunga la sede evidenziata (circa 1mm), nel caso effettuare un rabbocco utilizzando esclusivamente D.OIL.

**Verify that when the stem is totally inside, the oil level reaches the indicated position (about 1 mm), otherwise do a refill by using exclusively D.OIL.**

*Prüfen Sie nach, dass bei völlig zurückgekehrter Stange das Öl Niveau die angegebene Höhe erreicht. Im Falle von Auffüllen verwenden Sie ausschließlich D.OIL.*

**Vérifier que la tige soit complètement rentrée, le niveau d'huile doit arriver au niveau mit en évidence (environ 1mm), si nécessaire effectuer un remplissage, utiliser exclusivement D.OIL.**

Regolazione rallentamento in chiusura  
**Adjustment of the slowdown in closing**  
*Einstellung der Verlangsamung beim Schließen*  
**Réglage ralentissement en fermeture**

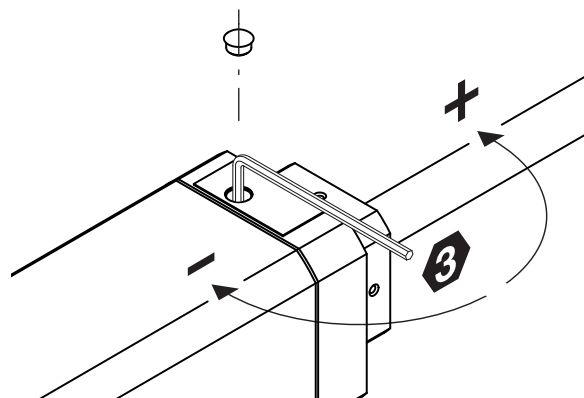
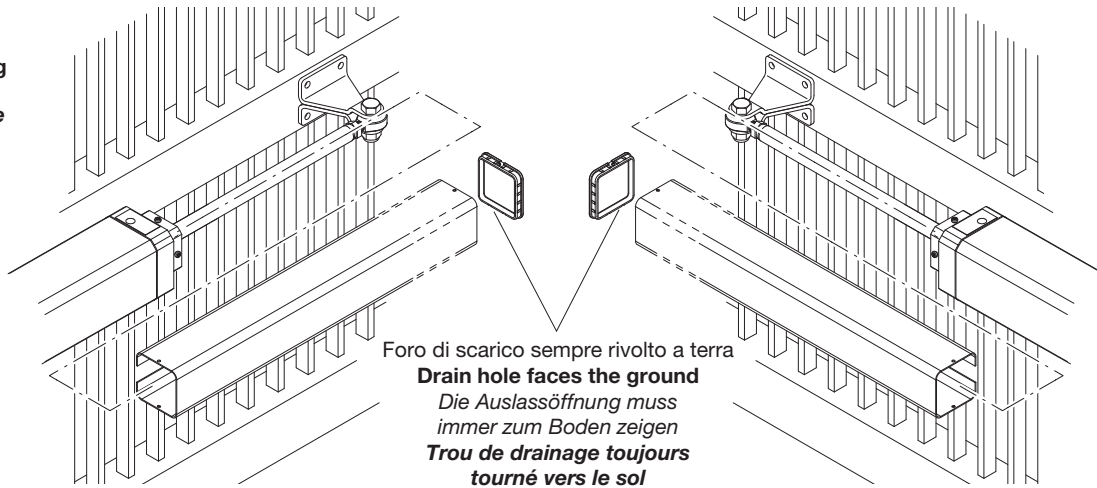


Fig. 11

Anta sinistra  
**Left-hand wing**  
 Linker Flügel  
**Vantail gauche**

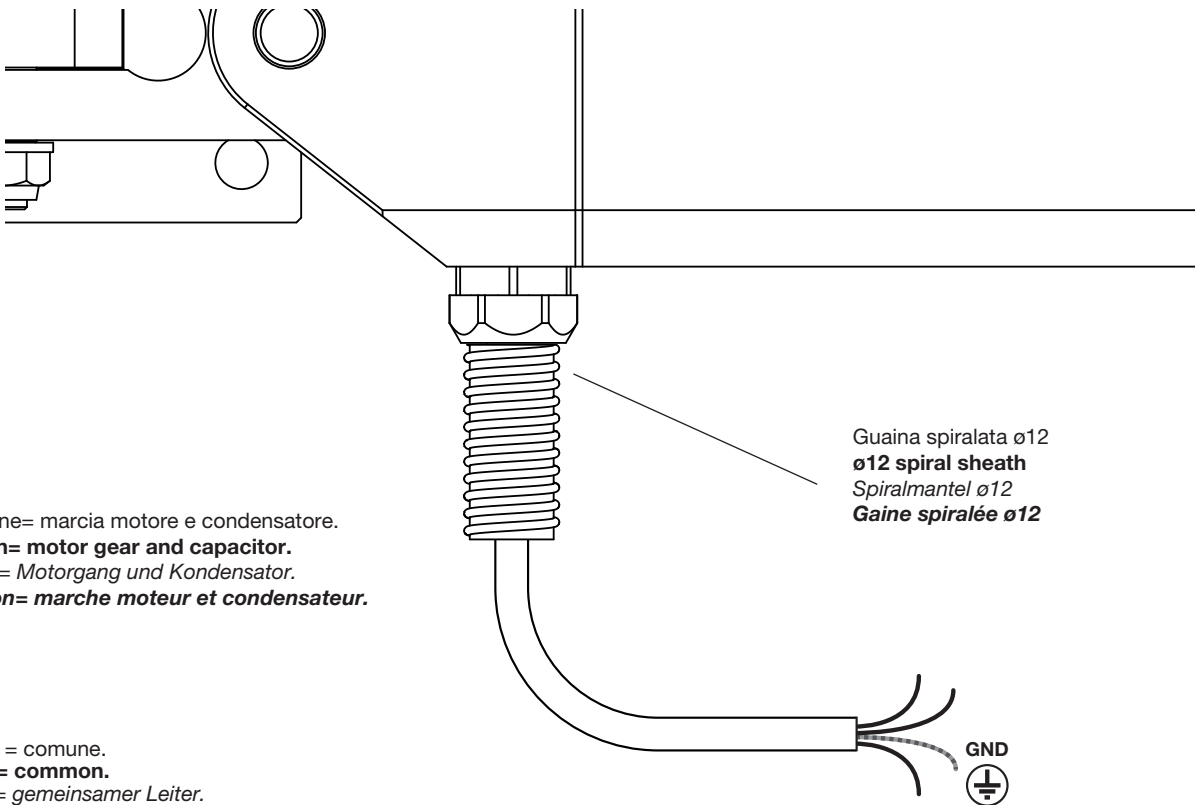


Anta destra  
**Right-hand wing**  
 Rechter Flügel  
**Vantail droit**

Foro di scarico sempre rivolto a terra  
**Drain hole faces the ground**  
 Die Auslassöffnung muss  
 immer zum Boden zeigen  
**Trou de drainage toujours**  
 tourné vers le sol

Fig. 12

**Collegamenti - Connections**  
**Kabelanschlüsse - Connexions**



Marrone= marcia motore e condensatore.  
**Brown= motor gear and capacitor.**  
 Braun= Motorgang und Kondensator.  
**Marron= marche moteur et condensateur.**

Guaina spiralata ø12  
**ø12 spiral sheath**  
 Spiralmantel ø12  
**Gaine spiralée ø12**

Grigio = comune.  
**Grey = common.**  
 Grau = gemeinsamer Leiter.  
**Gris = commun.**

Nero= marcia motore e condensatore.  
**Black= motor gear and capacitor.**  
 Schwarz= Motorgang und Kondensator.  
**Noir= marche moteur et condensateur.**

Legenda:

- 1 Motoriduttore HD.80
- 2 Fotocellule
- 3 Selettore a chiave o tastiera digitale
- 4 Lampeggiante
- 5 Antenna
- 6 Centrale di comando.
- 7 Elettroserratura

Legend:

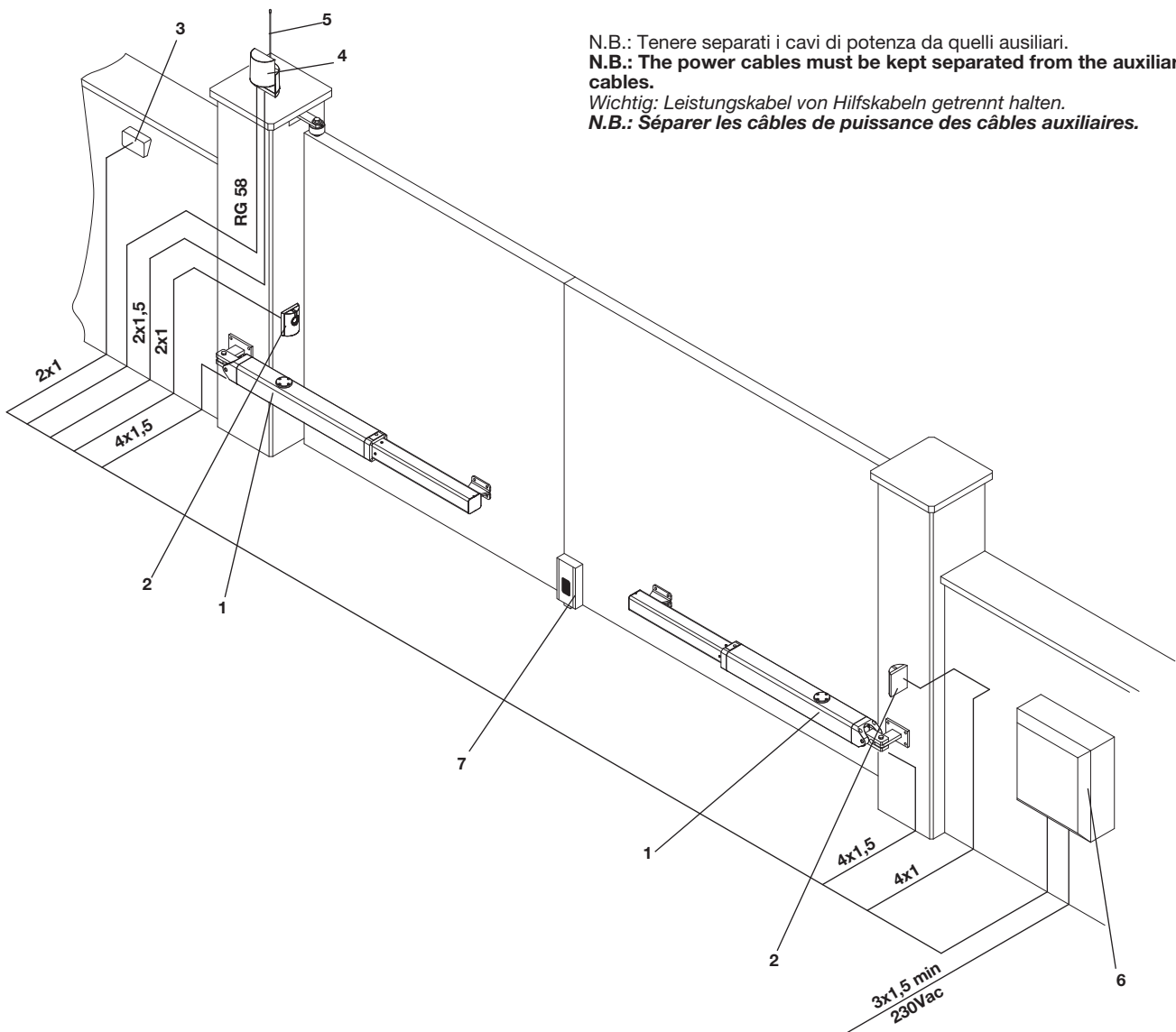
- 1 HD.80 Motor
- 2 Photocells
- 3 Key selector or digital keyboard
- 4 Beacon
- 5 Antenna
- 6 Control unit.
- 7 Electric lock

Legende:

- 1 HD.80-Getriebemotor
- 2 Photozellen
- 3 Schlüsselwahlschalter oder Digitaltastatur
- 4 Blinkleuchte
- 5 Antenne
- 6 Steuerzentrale.
- 7 Elektroverriegelung

Légende:

- 1 Vérin HD.80
- 2 Photocellules
- 3 Sélecteur à clé ou clavier numérique
- 4 Clignotant
- 5 Antenne
- 6 Logique de commande.
- 7 Serrure électrique



**IMPORTANTE:** L'installazione dell'elettroserratura è indispensabile.

**IMPORTANT:** Installation of an electric lock is essential.

**WICHTIG:** Die Installation der Elektroverriegelung ist unerlässlich.

**IMPORTANT:** l'installation de la serrure électrique est indispensable.

**GENERAL INFORMATIONS**

The product shall not be used for purposes or in ways other than those for which the product is intended for and as described in this manual. Incorrect uses can damage the product and cause injuries and damages.

The company shall not be deemed responsible for the non-compliance with a good manufacture technique of gates as well as for any deformation, which might occur during use. Keep this manual for further use.

**INSTALLER GUIDE**

This manual has been especially written to be use by qualified fitters. Installation must be carried out by qualified personnel (professional installer, according to EN 12635), in compliance with Good Practice and current code.

Make sure that the structure of the gate is suitable for automation.

The installer must supply all information on the automatic, manual and emergency operation of the automatic system and supply the end user with instructions for use.

**GENERAL WARNINGS**

Packaging must be kept out of reach of children, as it can be hazardous.

For disposal, packaging must be divided the various types of waste (e.g. carton board, polystyrene) in compliance with regulations in force. Do not allow children to play with the fixed control devices of the product.

Keep the remote controls out of reach of children.

This product is not to be used by persons (including children) with reduced physical, sensory or mental capacity, or who are unfamiliar with such equipment, unless under the supervision of or following training by persons responsible for their safety.

Apply all safety devices (photocells, safety edges, etc.) required to keep the area free of impact, crushing, dragging and shearing hazard. Bear in mind the standards and directives in force, Good Practice criteria, intended use, the installation environment, the operating logic of the system and forces generated by the automated system.

Installation must be carried out using safety devices and controls that meet standards EN 12978 and EN 12453.

Only use original accessories and spare parts, use of non-original spare parts will cause the warranty planned to cover the products to become null and void.

All the mechanical and electrical parts composing automation must meet the requirements of the standards in force and outlined by CE marking.

**ELECTRICAL SAFETY**

An omnipolar switch/section switch with remote contact opening equal to, or higher than 3mm must be provided on the power supply mains.

Make sure that before wiring an adequate differential switch and an overcurrent protection is provided.

Pursuant to safety regulations in force, some types of installation require that the gate connection be earthed. During installation, maintenance and repair, cut off power supply before accessing to live parts.

Also disconnect buffer batteries, if any are connected.

The electrical installation and the operating logic must comply with the regulations in force. The leads fed with different voltages must be physically separate, or they must be suitably insulated with additional insulation of at least 1 mm.

The leads must be secured with an additional fixture near the terminals.

During installation, maintenance and repair, interrupt the power supply before opening the lid to access the electrical parts. Check all the connections again before switching on the power. The unused N.C. inputs must be bridged.

**WASTE DISPOSAL**

As indicated by the symbol shown, it is forbidden to dispose this product as normal urban waste as some parts might be harmful for environment and human health, if they are disposed of incorrectly.

Therefore, the device should be disposed in special collection platforms or given back to the reseller if a new and similar device is purchased. An incorrect disposal of the device will result in fines applied to the user, as provided for by regulations in force.

*Descriptions and figures in this manual are not binding. While leaving the essential characteristics of the product unchanged, the manufacturer reserves the right to modify the same under the technical, design or commercial point of view without necessarily update this manual.*

**Important**

- Before installing the operator read these instructions.
- Use of a **HYDRO** product for any application not described in this instruction manual is prohibited.
- The user must be instructed on the use of the automation system.
- The user must be consigned the instruction manual.
- All CAB products are insured against damage or injury caused by manufacturing defects under the essential condition that the operator has the CE marking and all genuine CAB components are installed.

**General Information**

Hydraulic operator suitable for swinging gates, available in two different versions.

**HD.80 230V** 230V version-reversible- electric lock is needed

**HD.80 115V** 115V version-reversible- electric lock is needed

All the versions are provided with hydraulic slow down adjustable during closing phase and fixed during opening phase. It is necessary to use the whole stroke, complying with the specified installation geometry.



## Preliminary Checks

For the gate automation to work properly, the actual gate must have the following characteristics:

- it must be robust and rigid.
- the hinges must have only limited play and provide smooth and gentle gate movements.
- the whole height of the wings must be in contact when closed.

## Gate Stops

If they are not already provided, install gate stops on the opening and closing stroke limits (Fig.3) regardless of the type of operator being installed.

The mechanical stop in close position is compulsory because of the particular characteristics of the hydraulic actuators.

## Installing the automation system

1 Establish the height of the automation from the ground (preferably as close to the centre of the wing as possible and along a solid cross rail).

Remember that under the operator there is a vent hole and in certain conditions (e.g. rain or snow) it may draw liquid into the automation. For this reason it is best not to install the operator too close to the ground.

2 Weld or otherwise anchor plate P in place, see installation distances (Fig.2) and the installation diagram (Fig.5):

- insert pin P in bracket P as in the figure
- insert the fork F of the HD.80 into the bracket P
- lock everything in place by washer R and self-locking nut D
- **remove the vent plug VS with its gasket RS.** (see note "Vent plug")

Observe the distances given in the tables at fig. 2, correcting the length of the plate if necessary. In some cases a recess may have to be made in the post.

**It is essential that the installation distances are respected for the operator to work correctly.**

With reference to the installation tables note that:

For the wing to open 90°:  $A+B$  must be equal to the operator stroke

For the wing to open more than 90°:  $A+B$  must be less than the operator stroke.

Keep the length differences within 40mm. Over this difference the wing movement becomes uneven. When reducing lengths A and B, increase the wing speed.

Comply with all statutory regulations.

3 Slide out the ram shaft completely and then slide back in by approx. 10 mm. Lock the operator in place.

Always leave a safety overrun of 10 mm in both the closing and opening strokes. The stroke length given in the technical data and installation tables has already been reduced by the necessary 20 mm.

4 Make sure the operator is kept perfectly level and mark the point where the bracket will be attached to on the wing. Temporarily weld or bolt the bracket in place as shown in Fig.6.

5 Release the operator and swing the gate by hand to check it moves freely to fully open and stops on the gate stop. The wing must move smoothly and evenly.

6 Anchor the bracket permanently.

NOTE: Vent plug.

Next to the vent a dead hole has been provided where the plug and gasket can be kept for future use.

On removing the plug and during the first operator manoeuvres a small quantity of oil may leak out. This is perfectly normal and should not be considered a fault.

## Manual and emergency gate operation

Being reversible, the motors HD.80 can be released simply by unlocking the electric lock, after that the leaf can be operated manually.

Slowly push the wing by its outer end, accompanying it all the way to the gate stop.

The operation can be made easier by loosening the release valve (Fig.9).

## Adjusting the thrust

The operator is equipped with anti-squash by-pass valve that limit the thrust on the wing when it meets an obstacle. Once the obstacle is removed the wing will continue its stroke for the work time set by the control unit.

- Open the protective cover (Fig.7) and use a 6 mm hexagonal key to adjust the thrust (Fig.9).
- There are two adjustable valves, one governs the opening thrust (Open), the other governs the closing thrust (Close).
- Turn the valve towards + to increase the thrust on the wing and vice-versa (i.e. towards -) to reduce the thrust.

**CAUTION! This adjustment is directly linked to the safety level of the automation.**

**Make sure that the thrust applied on the wing complies with statutory regulations.**

## Slow down adjustment

all the versions are provided with slow down in close and open position for a slower movement during the last seconds of the maneuver.

The slow down in both direction starts in the last part of the stroke, so it is very important to use the whole stroke and respect the indicated installation geometry.

ïThe slow down in close position can be adjusted by means of the dedicated valve (Fig.11).

ïRemove the protection cap and using an allen key by 3 mm:

ï-loosen ( counterclockwise rotation) the valve in order to increase the slow down speed

ï-tighten (clockwise rotation) the valve in order to reduce the slow down speed.

**Never force the adjusting valve**

### **The protective covers**

After adjusting the slowdown the covers can be replaced (Fig.11).

Take great care in ensuring that the drain hole faces the ground.

### **Wiring**

The operator is supplied with the wiring cable already installed and wired (Fig.12). To connect it to the control unit see the diagram and instructions for the control unit.

The power cable is best protected by a 12mm spiral sheath that has to be inserted in the coupling provided.

**An earth connection is compulsory.**

### **Topping up/changing oil**

The oil level in all hydraulic operators must be periodically checked.

To top up the oil first shut-off the mains power to the system and then remove the 4 screws on the terminal block, which also acts as oil cap.

The oil level, when the stem is totally inside (open leaf) must reach the cavity showed in fig.10

Only use D.OIL.

## User's handbook

### Safety rules

- Do not stand in the movement area of the gate.
- Do not let children play with controls and near the gate.
- Should operating faults occur, do not attempt to repair the fault but call a qualified technician.

### Manual and emergency gate operation

Being reversible, the motors HD.80 can be released simply by unlocking the electric lock, after that the leaf can be operated manually.

Slowly push the wing by its outer end, accompanying it all the way to the gate stop.

The operation can be made easier by loosening the release valve.

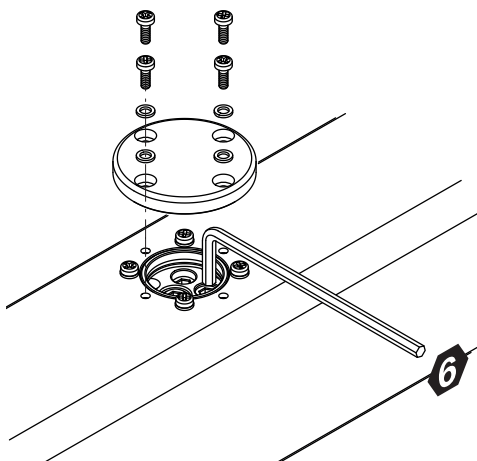
### Maintenance

- It is mandatory not to carry out extraordinary maintenance or repairs as accidents may be caused. These operations must be carried out by qualified personnel only.
- Periodically check safety components and any other parts of the system that may become hazardous if worn.

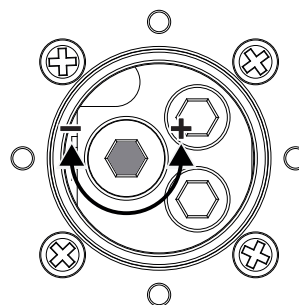
### Waste disposal

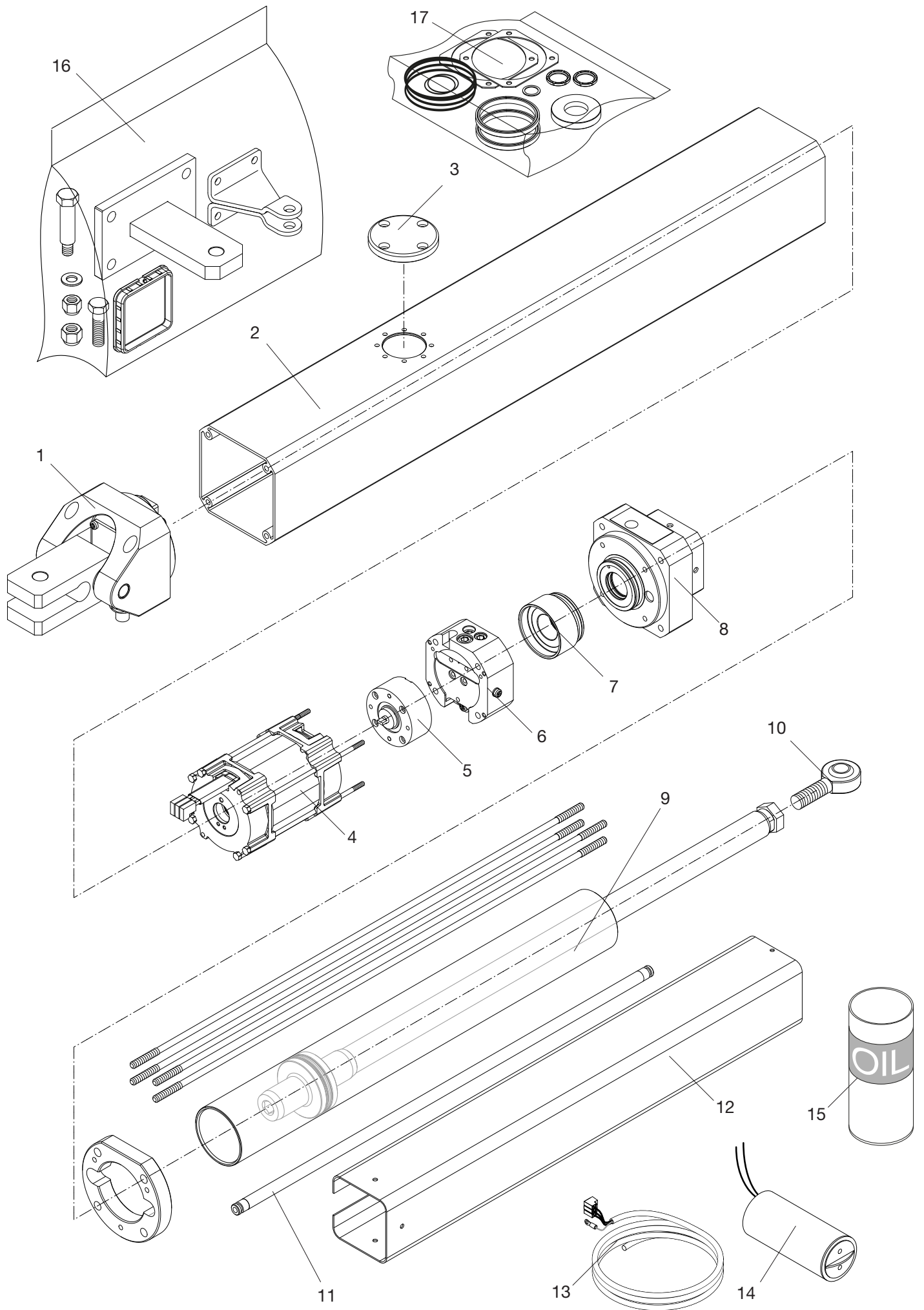
If the product must be dismantled, it must be disposed according to regulations in force regarding the differentiated waste disposal and the recycling of components (metals, plastics, electric cables, etc.). For this operation it is advisable to call your installer or a specialised company.

Open the protective cover



In case the manual operation proves difficult, rotate the highlighted screw toward the + (maximum one rotation). Before to go back to the automatic functioning bring the screw to the original position.





## HYDRO HD.80

N°	Denominazione - Description - Bezeichnung - Dénomination - Denominación - Określenie						Cod.
1	Fondello	<b>End plâate</b>	<i>Bodenscheibe</i>	<b>Fond</b>	Fondo	<b>Spód</b>	<b>439500103</b>
2	Serbatoio	<b>Tank</b>	<i>Tank</i>	<b>Réservoir</b>	Depósito	<b>Zbiornik</b>	<b>566700186</b>
3	Tappo	<b>End cap</b>	<i>Deckel</i>	<b>Bouchon</b>	Tapón	<b>Zatyczka</b>	<b>583700206</b>
4	Motore 230V	<b>Motor 230V</b>	<i>Motor 230V</i>	<b>Moteur 230V</b>	Motor 230V	<b>Silnik 230V</b>	<b>358700051</b>
	Motore 115V	<b>Motor 115V</b>	<i>Motor 115V</i>	<b>Moteur 115V</b>	Motor 115V	<b>Silnik 115V</b>	<b>358700052</b>
5	Pompa	<b>Pump</b>	<i>Pumpe</i>	<b>Pompe</b>	Bomba	<b>Pompa</b>	<b>F863400641</b>
6	Distributore	<b>Distributor</b>	<i>Verteiler</i>	<b>Distributeur</b>	Distribuidor	<b>Dystrybutor</b>	<b>339600040</b>
7	Testa rallentam.	<b>Slowdown head</b>	<i>Kopf Verlang.</i>	<b>Tête ralentiss.</b>	Cabeza decel.	<b>Przód zwalniania</b>	<b>439600109</b>
8	Testa rallentam.	<b>Slowdown head</b>	<i>Kopf Verlang.</i>	<b>Tête ralentiss.</b>	Cabeza decel.	<b>Przód zwalniania</b>	<b>339600039</b>
9	Stelo	<b>Ram shaft</b>	<i>Schaft</i>	<b>Tige piston</b>	Vástago	<b>Trzpień</b>	<b>363300073</b>
10	Testa snodo	<b>Pivot head</b>	<i>Gelenkkopf</i>	<b>Tête articul.</b>	Cabeza articul.	<b>Przód przegubu</b>	<b>F8780006</b>
11	Tubo	<b>Barrel</b>	<i>Rohrleitung</i>	<b>Tube</b>	Tubo	<b>Rura</b>	<b>F886800916</b>
12	Copristelo	<b>Ram sleeve</b>	<i>Schaftdeckel</i>	<b>Carter piston</b>	Cubrevástago	<b>Oslona trzpienia</b>	<b>586800215</b>
13	Cavo alimentaz.	<b>Power cable</b>	<i>Stromkabel.</i>	<b>Câble alim.</b>	Cable alimen.	<b>Przewód zasilania</b>	<b>F817100305</b>
14	Condensatore 10µF	<b>Capacitor 10µF</b>	<i>Kondensator 10µF</i>	<b>Condensateur 10µF</b>	Condensador 10µF	<b>Kondensator 10µF</b>	<b>F823400331</b>
	Condensatore 36µF	<b>Capacitor 36µF</b>	<i>Kondensator 36µF</i>	<b>Condensateur 36µF</b>	Condensador 36µF	<b>Kondensator 36µF</b>	<b>F8234030</b>
15	D.OIL (2 L)	<b>D.OIL (2 L)</b>	<i>D.OIL (2 L)</i>	<b>D.OIL (2 L)</b>	D.OIL (2 L)	<b>D.OIL (2 L)</b>	<b>9603002</b>
16	Blister	<b>Blister</b>	<i>Blister</i>	<b>Blister</b>	Blister	<b>Blister</b>	<b>408900069</b>
17	Kit Guarnizioni	<b>Seals kit</b>	<i>Kit Dichtung</i>	<b>Garniture Set</b>	Set Juntas	<b>Uszczelka</b>	<b>9688249</b>

## Dichiarazione di Conformità UE (DoC)

Nome del produttore: CAB  
Indirizzo: **Via della Tecnica, 10 (z.i.) - 36010 Velo d'Astico (VI) - Italia**  
Telefono: **+39 0445 741215** . Indirizzo e-mail: **info@automatismicab.com**  
Persona autorizzata a costruire la documentazione tecnica: CAB

*Dichiara che il documento è rilasciato sotto la propria responsabilità e appartiene al seguente prodotto:*

Tipo di prodotto: **Attuatore oleodinamico 230Vac per cancelli a battente**  
Modello/Tipo: **HD.80** Accessori: N/A

*Il prodotto sopra indicato risulta conforme alle disposizioni imposte dalle seguenti direttive:*

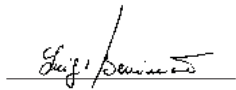
**Direttiva 2014/30/EU**  
**Direttiva 2011/65/EU**  
**Direttiva 2014/35/EU**

*Sono state applicate le norme armonizzate e le specifiche tecniche descritte di seguito:*

EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011  
EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015  
50581:2012

*Il Certificato di Conformità di questo documento corrisponde all'ultima revisione disponibile al momento della stampa e può risultare differente per esigenze editoriali dall'originale disponibile presso il produttore.*

Benincà Luigi, Responsabile legale.  
Velo d'Astico, 14/06/2018.



## UE Declaration of Conformity (DoC)

Manufacturer's name: CAB  
Address: **Via della Tecnica, 10 (z.i.) - 36010 Velo d'Astico (VI) - Italia**  
Telephone: **+39 0445 741215** . Email address: **info@automatismicab.com**  
Person authorised to draft the technical documentation: CAB

*Declare that the DOC is issued under our sole responsibility and belongs to the following product:*

Product type: **Hydraulic actuator 230Vac for swing gates**  
Model/type: **HD.80** Accessories: N/A

*The object of the declaration described above is in conformity with the relevant Union harmonization legislation:*

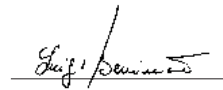
**Directive 2014/30/EU**  
**Directive 2011/65/EU**  
**Directive 2014/35/EU**

*The following harmonized standards and technical specifications have been applied:*

EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011  
EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015  
50581:2012

*The certificate of conformity in this document corresponds to the last review available at the time of printing and could differ for editorial requirements from the original available from the manufacturer.*

Benincà Luigi, Legal Officer.  
Velo d'Astico, 14/06/2018.



## EG-Konformitätserklärung (DoC)

Name des Herstellers: CAB  
Adresse: **Via della Tecnica, 10 (z.i.) - 36010 Velo d'Astico (VI) - Italia**  
Telefon: **+39 0445 741215** E-Mail-Adresse: **info@automatismicab.com**  
Zur Erstellung der technischen Dokumentation berechtigte Person: CAB

*Erklärt, dass das Dokument unter alleiniger Verantwortung herausgegeben wurde und zu dem folgenden Produkt ge-hört:*

Produkttypus: **Hydraulischer 230Vac-Antrieb für Drehtoranlagen**  
Modell/Typus: **HD.80** Zubehör: N/A

*Das oben genannte Produkt stimmt mit den Vorschriften der folgenden Richtlinien überein:*

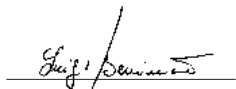
**Richtlinie 2014/30/EU**  
**Richtlinie 2011/65/EU**  
**Richtlinie 2014/35/EU**

*Die harmonisierten Normen und technischen Spezifikationen, die unten beschrieben werden, wurden angewandt:*

EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011  
EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015  
50581:2012

*Die in diesem Dokument vorliegende Konformitätserklärung entspricht der neuesten zum Druckzeitpunkt erhältlichen Revision und könnte aufgrund von verlegerischen Gründen vom beim Hersteller erhältlichen Original abweichen.*

Benincà Luigi, Rechtsvertreter.  
Velo d'Astico, 14/06/2018.



## Déclaration CE de conformité (DoC)

Nom du producteur : CAB  
Adresse : **Via della Tecnica, 10 (z.i.) - 36010 Velo d'Astico (VI) - Italia**  
Téléphone : **+39 0445 741215** Adresse e-mail: **info@automatismicab.com**  
Personne autorisée à construire la documentation technique : CAB

*Nous déclarons que le document est délivré sous notre propre responsabilité et qu'il appartient au produit suivant :*

Type de produit : **Actionneur oléodynamique 230Vac pour portails battants**  
Modèle/Type: **HD.80** Accessoires : N/A

*Le produit mentionné ci-dessus est conforme aux dispositions établies par les directives suivantes :*

**Directive 2014/30/EU**  
**Directive 2011/65/EU**  
**Directive 2014/35/EU**

*Les normes harmonisées et les spécifications techniques décrites ci-dessous ont été appliquées :*

EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011  
EN 60335-1:2012 + A11:2014; EN 60335-2-103:2015  
50581:2012

*Le certificat de conformité présent dans ce document correspond à la dernière révision disponible au moment de l'impression et pourrait différer pour des exigences éditoriales de l'original disponible chez le constructeur.*

Benincà Luigi, Représentant Légal  
Velo d'Astico, 14/06/2018.

