



**JOY**

la Galloccia Self Tailing  
*the Self Tailing Cleat*

Cod. n° B4A123H

Rev 02.24

**bonomi**  
earth and sea innovations







## DICHIARAZIONE CE DI CONFORMITA' Conformity Declaration

(Allegato IIA DIR. 2006/42/CE)



### IL FABBRICANTE / THE PRODUCED

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*Cap*

Italia

*Stato*

MI

*Provincia*

**DICHIARA CHE LA MACCHINA/Declar that the the Machine, code B4A123H 300kg 12v**

**GALLOCCIA MOTORIZZATA MOD. JOY/ The powered Cleat JOY, code B4A123H 300kg 12V**

*Descrizione / Description*

*Matricola / Serial N°*

*Anno costr. / Construction Year*

Adatta a favorire l'ormeggio delle imbarcazioni / Suitable for boat mooring

*Uso previsto / USE*

**SODDISFA LE DISPOSIZIONI DELLA DIRETTIVA / MEETS THE PROVISIONS OF THE DIRECTIVE**

**2006/42/CE** del Parlamento europeo e del Consiglio, del 17 maggio 2006 relativa alle macchine e che modifica la direttiva 95/16/ CE.

**E AUTORIZZA / and Authorize**

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*Provincia*

**A COSTITUIRE IL FASCICOLO TECNICO /To Provide the Technical File**

**Milano , ...../...../.....**

**Il fabbricante**



(timbro e firma del Responsabile)

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*INSTALLATION MANUAL*

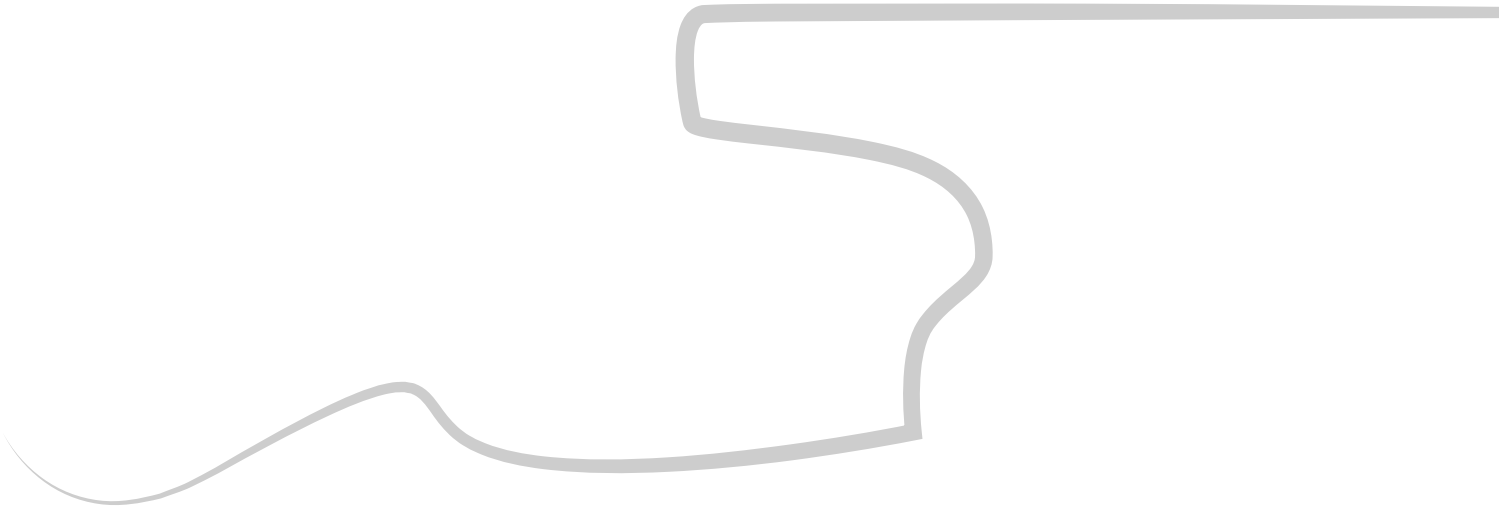
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**MANUALE D'USO E MANUTENZIONE  
E PRECAUZIONI DI SICUREZZA**  
*USE AND MAINTENANCE MANUAL  
AND SAFETY PRECAUTIONS*


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**LEGGERE ATTENTAMENTE!**  
*READ CAREFULLY!*

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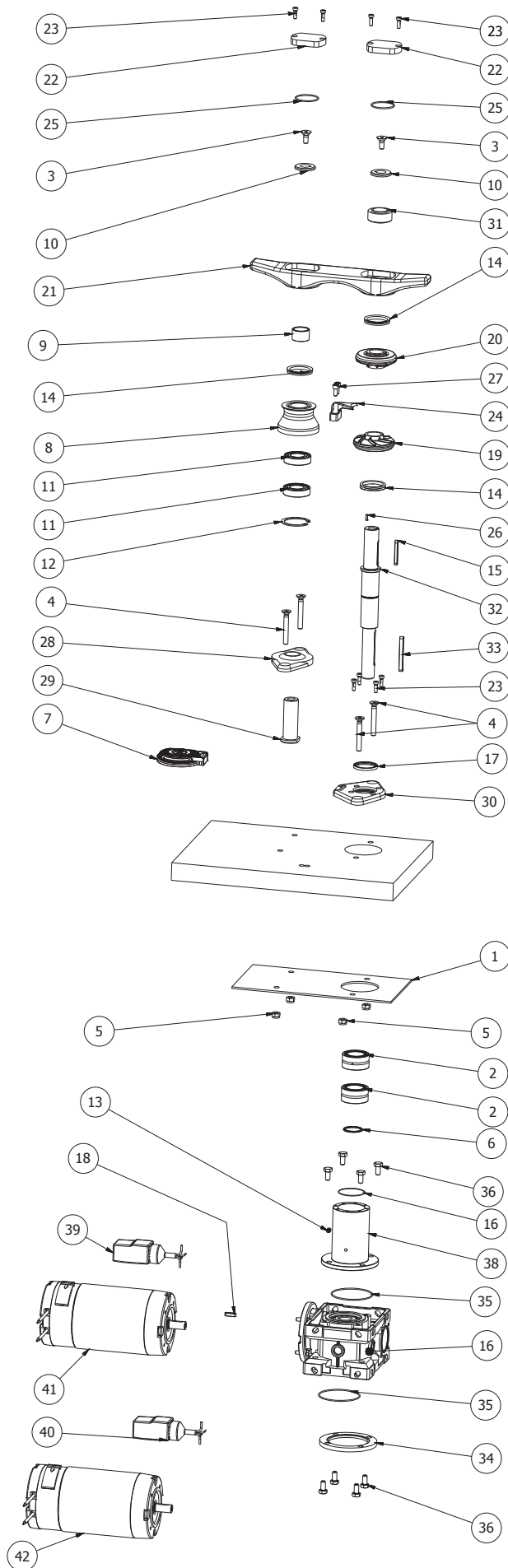






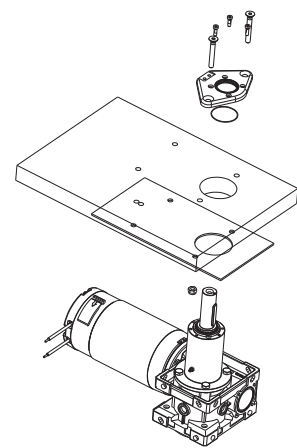
# MANUALE DI INSTALLAZIONE

## INSTALLATION MANUAL

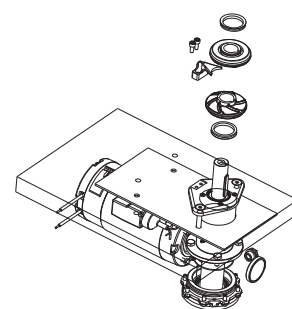


42	1	MP80M V 12 G1900 W 550 B14 IEC71 IP44	B4A242H001
41	1	MP80M V 24 G1900 W 550 B14 IEC71 IP44	B2A242H008
40	1	SINGLE POLE CONTACTOR 12 Volts	B3A242H002
39	1	SINGLE POLE CONTACTOR 24 Volts	B1A242H065
38	1	BEARING GEAR BOX FLANGE	B2C243H002
37	1	GEAR BOX MV50 B14-71 1:30 GHIRRI	B2A242H007
36	8	HEX HEAD SCREW M8x16 EN ISO 4017	B2A242H006
35	2	O-RING Øi=69.57 SECTION Ø1.78 2-39	B2A242H005
34	1	MOBILE SHAFT FLANGE COVER	B2A242H004
33	1	KEY UNI 6604-A 6x6 l=63 DIN 6885-A	B2A242H003
32	1	MOBILE SPINDLE	B2A242H002
31	1	SPHERICAL JOINT di 25 De 42 B 20	B1A242H104
30	1	BASE SUPPORT FLANGE	B1A242H103
29	1	FIXED SHAFT	B1A242H102
28	1	FIXED SHAFT FLANGE	B1A242H101
27	2	SOCKET HEAD CAP SCREW M6x14 ISO 4762	B1A242H097
26	1	SPRING PIN 3x10 ISO 8752	B1A242H091
25	2	O-RING Øi=37.82 COSS SECTION 1.78	B1A242H087
24	1	STRIPPER	B1A242H083
23	8	SOCKET HEAD CAP M5x16 DIN 6912	B1A242H082
22	2	COVER	B1A242H081
21	1	TOP PLATE	B1A242H080
20	1	UPPER ROPE RING	B1A242H079
19	1	UPPER ROPE RING	B1A242H078
18	1	KEY UNI6604-A 5x5 l=20 DIN 6885-A	B2A242H009
17	1	SEALING RING G35X42X4 SINGLE LIP	B1A242H060
16	1	O-RING Øi=45 CROSS SECTION Ø 1	B1A242H059
15	1	KEY UNI7510-A 8x5x45	B1A242H056
14	3	V-RING FOR SHAFT Ø 36-38	B1A242H052
13	1	GREASE NIPPLE M6x1 UNI 7663-A	B1A242H050
12	1	RETAINING RING J47 DIN 472	B1A242H047
11	2	BEARING,SINGLE ROW W6005-2RS1	B1A242H045
10	2	SEALING WASHER	B1A242H041
9	1	SPACER	B1A242H039
8	1	ROLLER	B1A242H038
7	1	FOOTSWITCH	B1A242H022
6	1	RETAINER RING DNS 30-S16	B1A242H018
5	4	HEXAGON. LOCKNUT ISO10511-M8-A4	B1A242H016
4	4	LOBULAR COUNTESUNK SCREW M8 x 60 ISO 14581	B1A242H015
3	2	COUNTERSUNK HEAD SCREW UNI 5933-M8x20-A4	B1A242H014
2	2	BEARING RADIAL/AXIAL d= 30 mm D=47 mm B=23 mm	B1A242H012
1	1	LOWER PLATE	B1A242H008
Number	Qty	Description	Part number

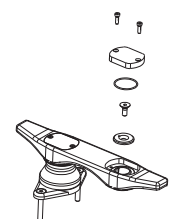
24 volts ASSY CLEAT COD.N. B2A243H SEE BIL OF MATERIAL  
12 volts ASSY CLEAT COD.N. B4A123H SEE BIL OF MATERIAL



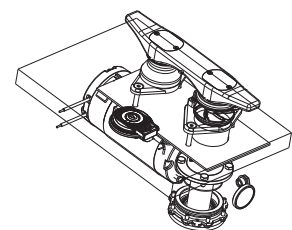
ASSY PHASE 1



ASSEMBLY PHASE 2

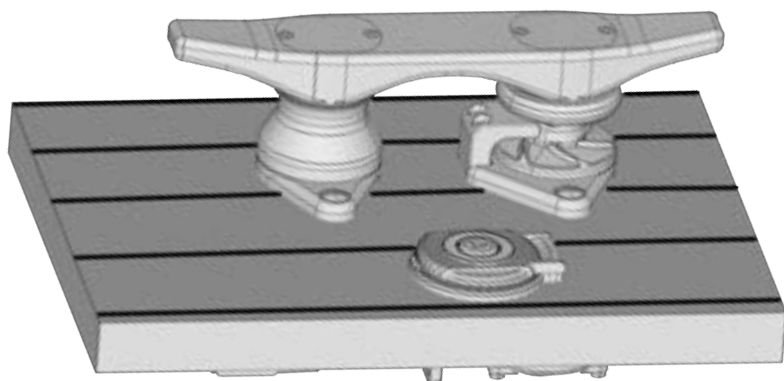


ASSEMBLY PHASE 3



ASSEMBLY PHASE 4





## ATTREZZATURA NECESSARIA PER L'INSTALLAZIONE DI JOY

### EQUIPMENT NEEDED TO INSTALL JOY

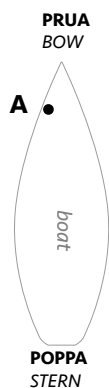
- \_ Trapano elettrico professionale.  
*Professional electric drill.*
- \_ Punta da trapano per metalli: 9 mm  
*Metal drill bit Hss-R: OD 9 mm*
- \_ Chiave combinata per dado: 13 mm  
*Combined wrench Key: OD 13 mm*
- \_ Chiave a brugola: 5 mm  
*Allen wrench key: 5 mm*
- \_ Chiave a brugola: 4 mm  
*Allen wrench key: 4 mm*
- \_ Cacciavite a taglio  
*Screw driver : flat head (-)*
- \_ Sega a tazza: 65 mm  
*Hole saw: OD 65 mm*
- \_ Grasso raccomandato per cuscinetti e guarnizioni.  
*Reccomended Grease for bearing and gasket:*  
*Synthetyc bearing and gear grease for nautial application*
  - SKF-LGM 2
  - Molikote
  - SMW Autoblock - K50

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## SUGGERIMENTI DI POSIZIONAMENTO SUL PONTE

DECK INSTALLATION GUIDE LINE

**A**

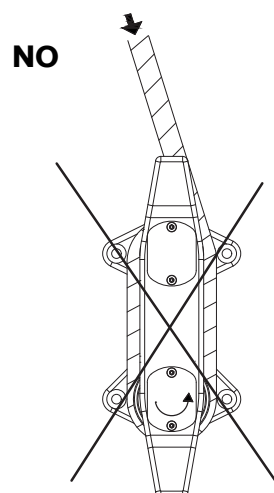
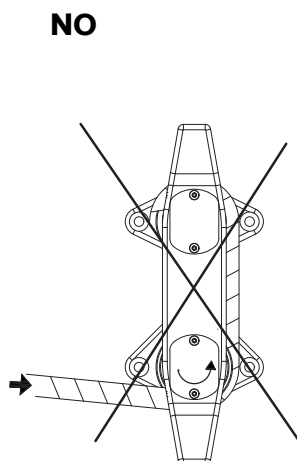
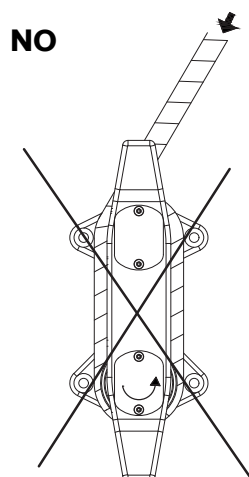
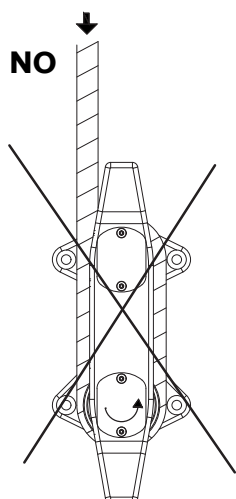
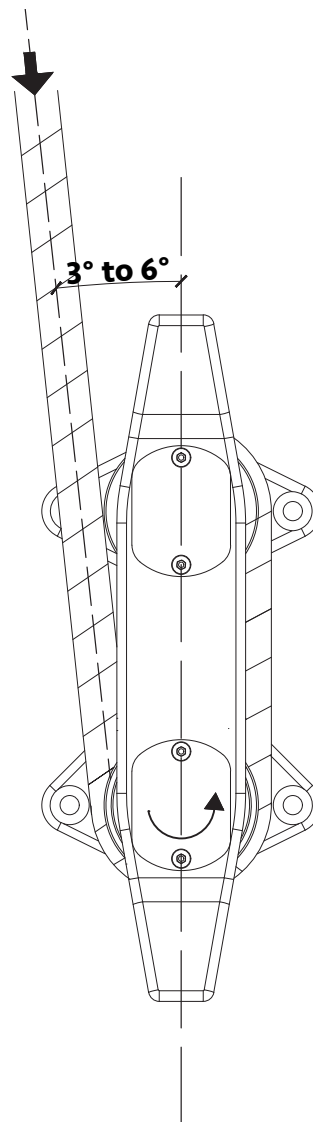


**PRUA - SINISTRA**  
BOW - LEFT

NEUTRAL PULLEY

MOTOR PULLEY

SELF TAIL





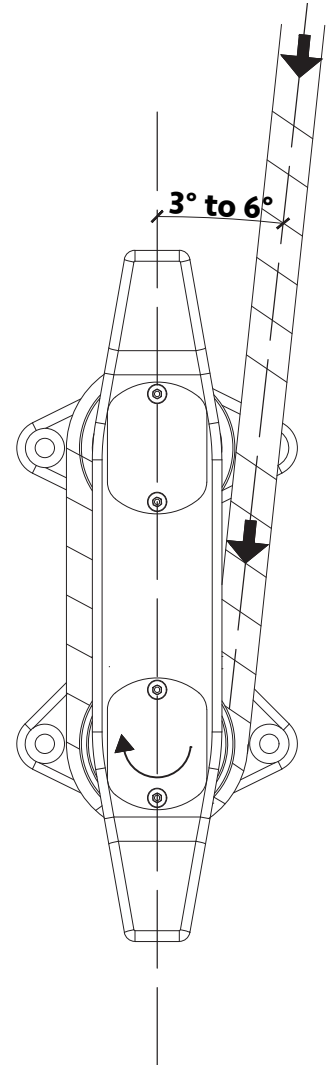
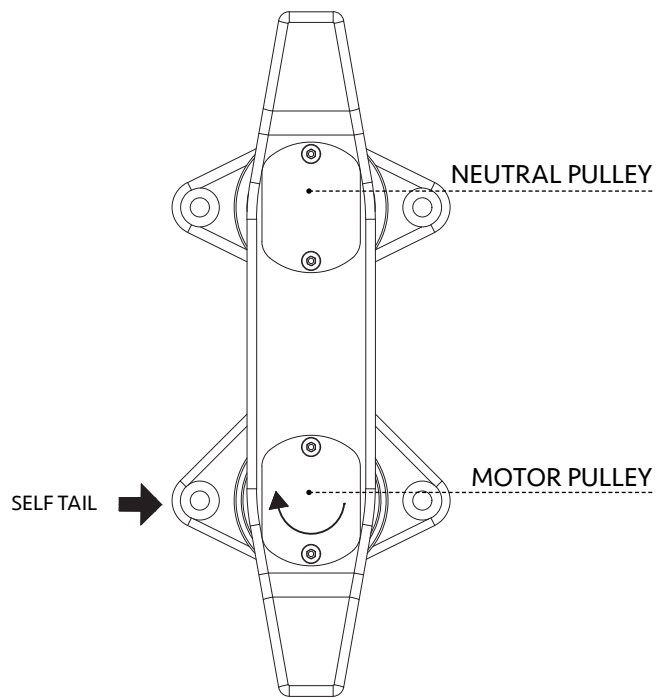
## SUGGERIMENTI DI POSIZIONAMENTO SUL PONTE

### DECK INSTALLATION GUIDE LINE

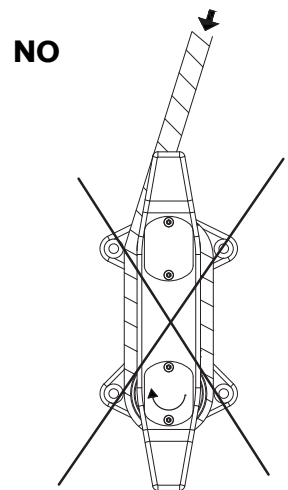
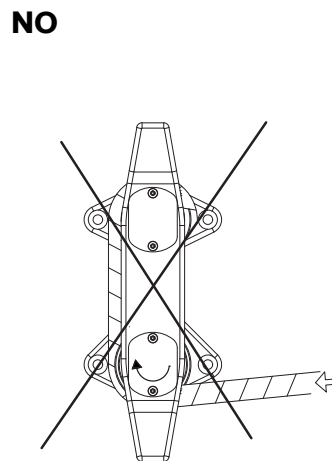
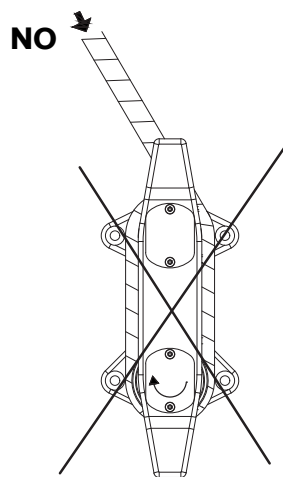
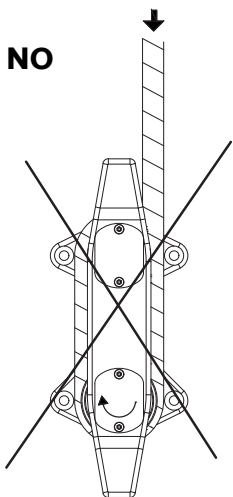
**B**



#### PRUA - DRITTA BOW - RIGHT

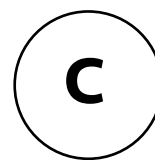


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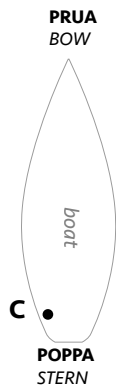


## SUGGERIMENTI DI POSIZIONAMENTO SUL PONTE

DECK INSTALLATION GUIDE LINE

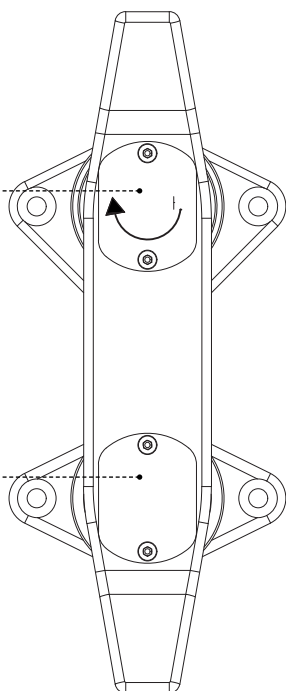


### POPPIA - SINISTRA STERN - LEFT

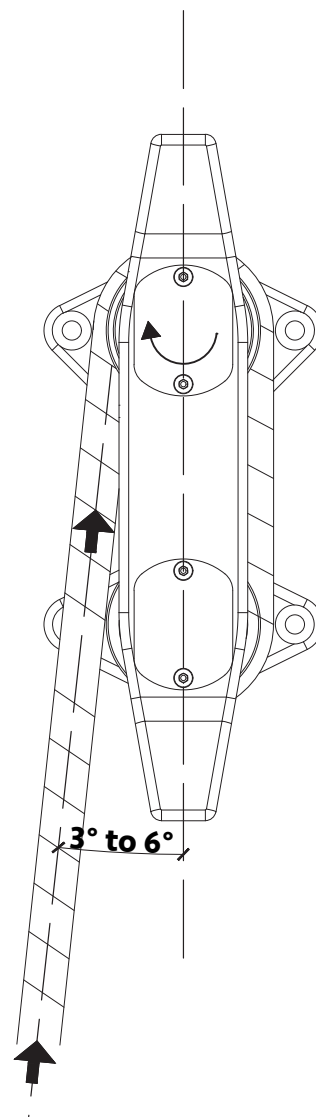


MOTOR PULLEY

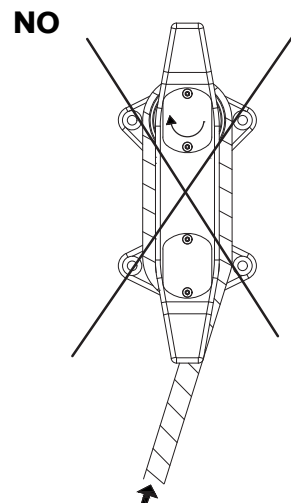
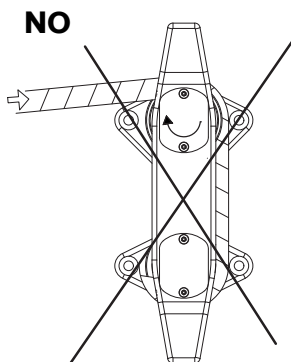
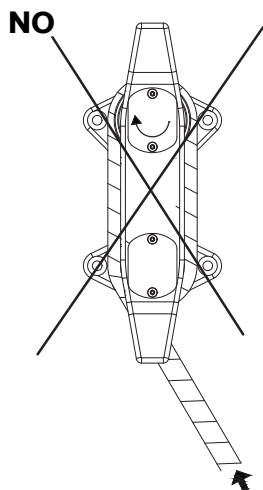
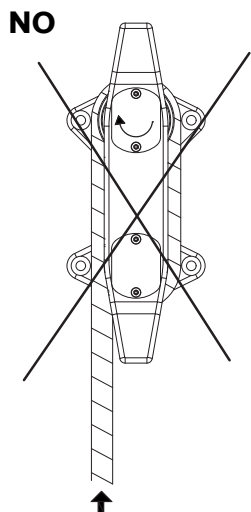
NEUTRAL PULLEY



SELF TAIL



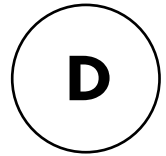
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## SUGGERIMENTI DI POSIZIONAMENTO SUL PONTE

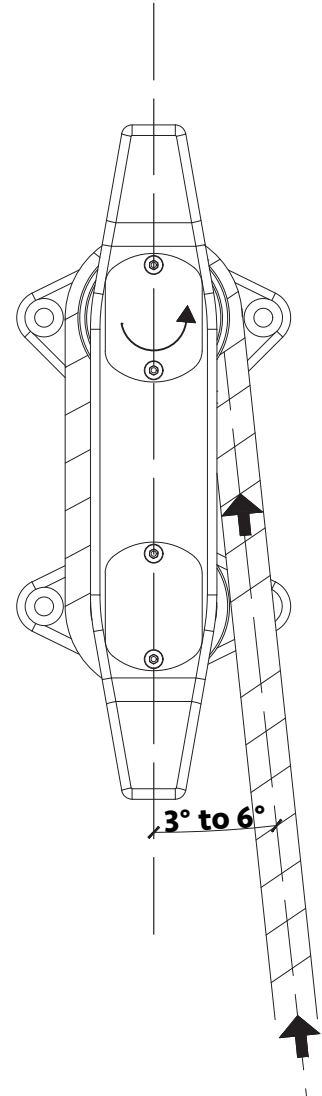
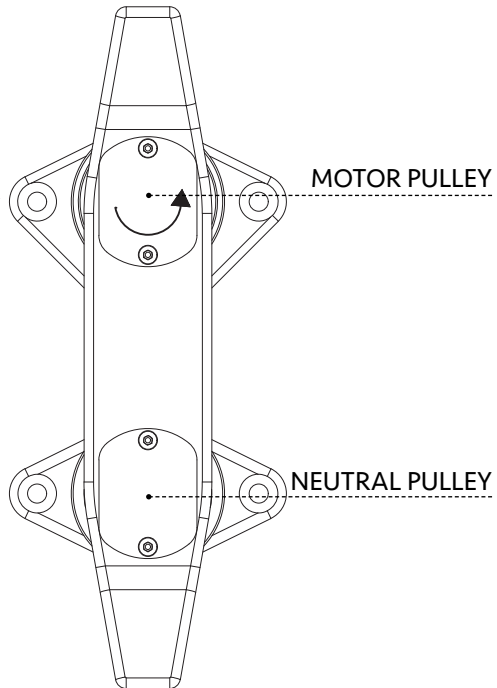
DECK INSTALLATION GUIDE LINE



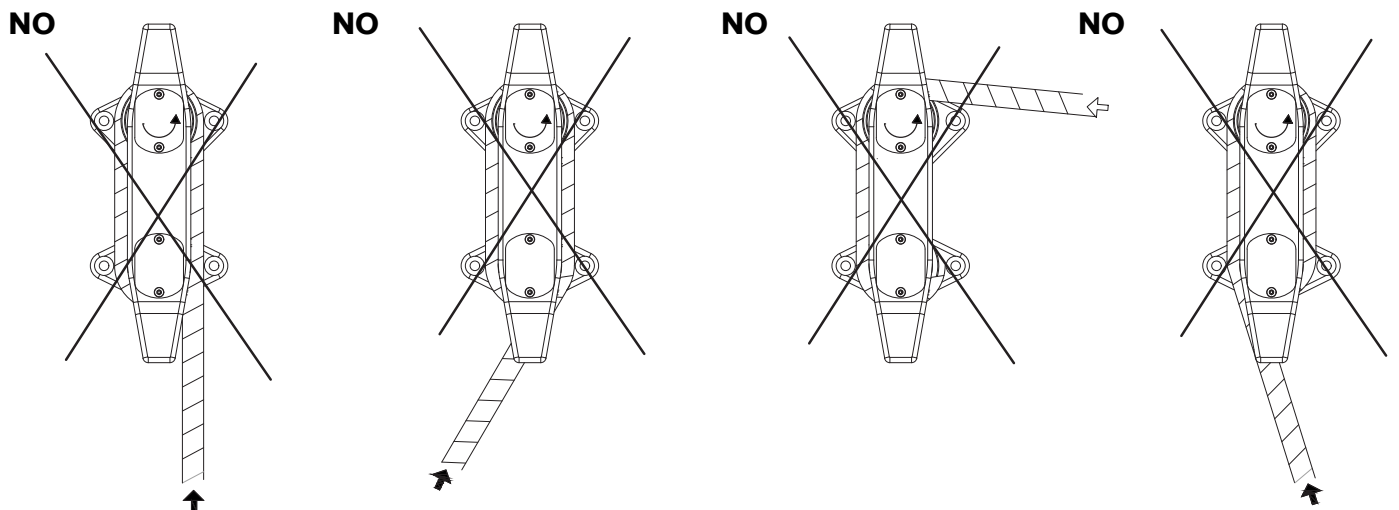
### POPPIA - DRITTA STERN - RIGHT



SELF TAIL →



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## 1) PREPARAZIONE E POSIZIONE

### POSITION AND PREPARATION

Preparazione posizione.

Rimuovere le attrezzature vecchie e togliere tutte le asperità della zona di installazione.

**NOTA: JOY è una attrezzatura elettro meccanica deve essere installata professionalmente al fine di ottenere una migliore e piu duratura vita.**

*Position preparation. Remove the old equipment and all the bumps in the area of installation.*

**NOTE: JOY is an electro-mechanical equipment must be installed professionally in order to achieve a better and more sustainable life.**



## 2) PULIZIA PONTE PRIMA DEL MONTAGGIO

### DECK CLEARING BEFORE ASSEMBLY

Il ponte deve presentare un piano liscio senza scalini o asperità, l'installazione di JOY su un ponte non piatto compromette la sua funzionalità.

*The deck must have a smooth plane without steps or haze, JOY installation on a non-flat deck compromises its functionality.*



### 3) CONTROPIASTRA DI FISSAGGIO USATA COME DIMA

*COUNTERPLATE USED AS MOUNTING TEMPLATE.*

NB: Il posizionamento di JOY deve essere studiato bene prima dell'esecuzione dei rispettivi fori di fissaggio sul ponte. L'asse longitudinale di Joy deve essere riferito e posizionato, in base al ponte stesso e alla direzione di arrivo della cima di ormeggio.

*Please note JOY positioning must be well studied before the respective fixing holes on the deck are executed. Joy's longitudinal axis must be reported and positioned, according to the deck itself and the direction of arrival of the mooring line.*



**ATTENZIONE!!  
WARNING!!**

**!! NOTA IMPORTANTE  
VEDERE PAG. da 14 a 17**

*SEE IMPORTANT NOTE  
PAGE from 14 to 17*

#### **IMPORTANTE:**

**Il posizionamento e i fori sul ponte sono due passaggi fondamentali! Siete pregati di pensare molto bene al posizionamento della vostra JOY sul ponte prima di eseguire i fori!**  
**(vedi pag. da 14 a 17)**

#### **IMPORTANT:**

**positioning and holes on the deck are two fundamental steps! Please think very well about positioning your JOY on the deck before running the holes!**  
**(see pages from 14 to 17)**

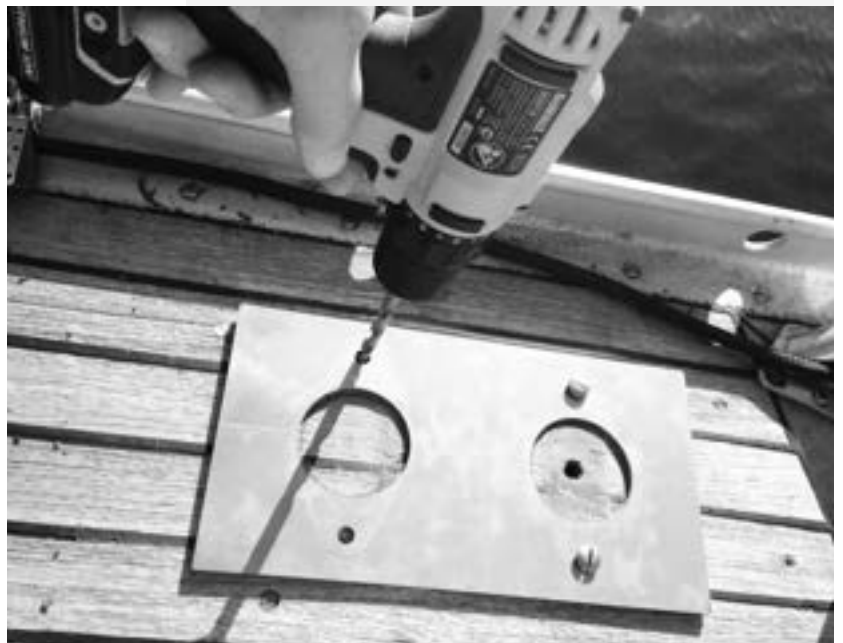
### 4) ESECUZIONE DEI 4 FORI PERIMETRALI PER FISSAGGIO JOY

*EXECUTION OF 4 PERIMETER HOLES  
FOR FASTENING JOY TO THE DECK.*

#### **NOTE**

Prima di forare il ponte assicurarsi di aver ben compreso e ragionato sulla posizione dei fori.

*Before drilling the deck make sure you well understand the positioning of the hole you are doing.*



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### 5) FORO CENTRALE PER ASSE MOTORE

#### CENTRAL HOLE FOR MOTOR AXIS

Prima di forare il ponte assicurarsi di aver ben compreso e ragionato sulla posizione dei fori.

*Before drilling the deck make sure you well understand the positioning of the hole you are doing*



### 6) POSIZIONAMENTO SOTTO IL PONTE DELLA CONTRO PIASTRA DI FISSAGGIO

#### UNDER DECK CONTERPLATE POSITIONING

Per fissarla temporaneamente vi suggeriamo di utilizzare una vite di posizione ⑤.

*To fix it temporary, we suggest you to utilize and screw of positioning ⑤.*



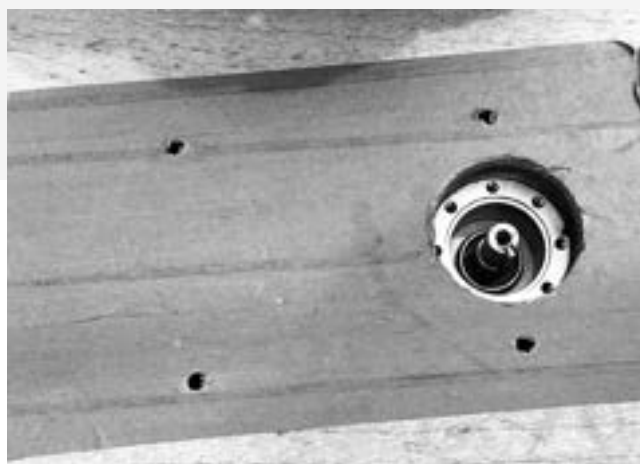
## 7) POSIZIONAMENTO MOTORIDUTTORE PREASSEMBLATO SOTTO COPERTA

*PRE-ASSEMBLED POSITIONING GEARMOTOR  
UNDER DECK*



Ricordare di posare  
la contropiastra!

*Remember to install  
the counter plate!*

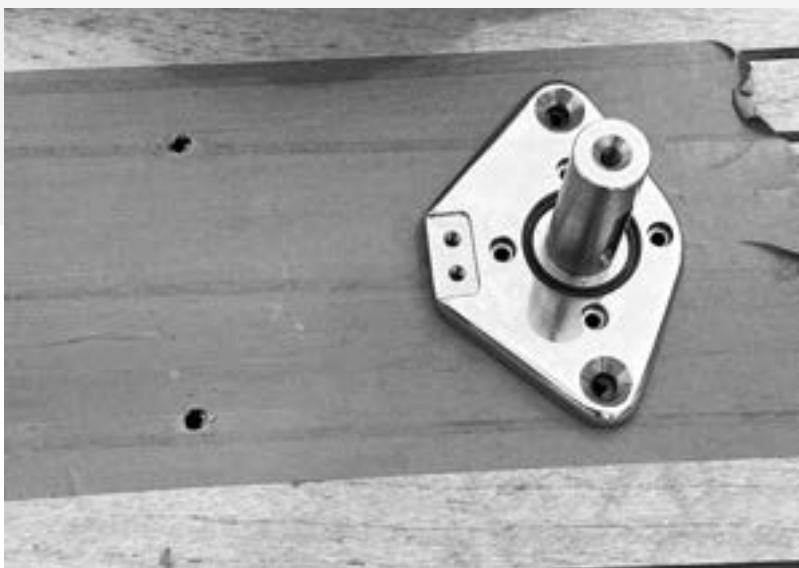


**Ricordarsi di montare  
l'O-ring in dotazione**

*Remember to fit  
the supplied O-ring!*

## 8) FISSAGGIO A BULLONI DEL MOTORIDUTTORE ALLA COPERTA TRAMITE PARTE SUPERIORE PRE ASSEMBLATA

*FIXING THE GEARMOTOR TO THE DECK VIA THE  
FIRST UPPER BASE WITH SCREW*



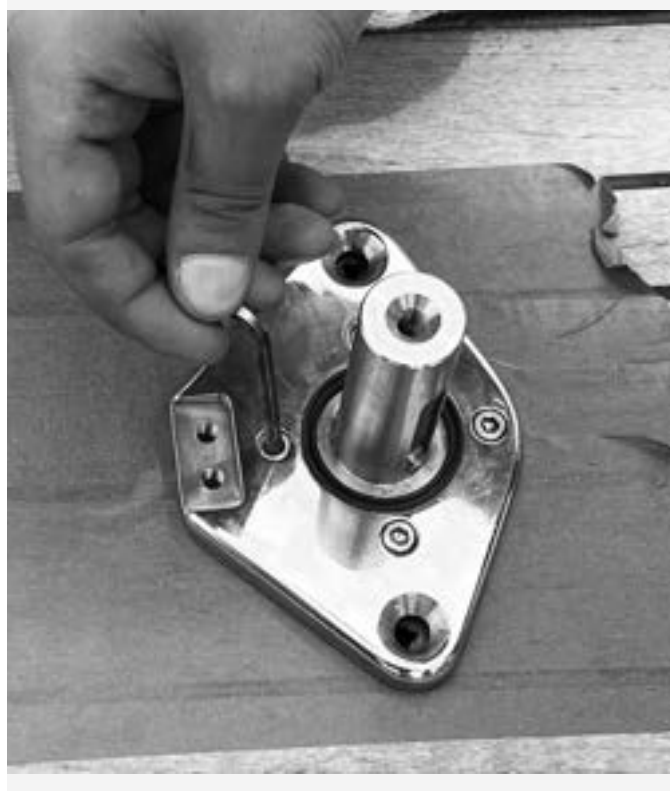


## 9) FISSAGGIO A BULLONI DEL MOTORIDUTTORE CON LA PARTE SUPERIORE ALLA COPERTA

### FIXING THE GEARMOTOR BOLT TO THE UPPER DECK PART

Utilizzare viti di posizione (33).

Utilize screw of position (33).



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## 10) INSERIMENTO SELF TAIL INFERIORE

### LOWER SELF-TAIL POSITIONING

Il Self Tail è munito di guarnizioni di tenuta in gomma vulcanizzata, è buona cosa spalmare con grasso apposito suggerito.

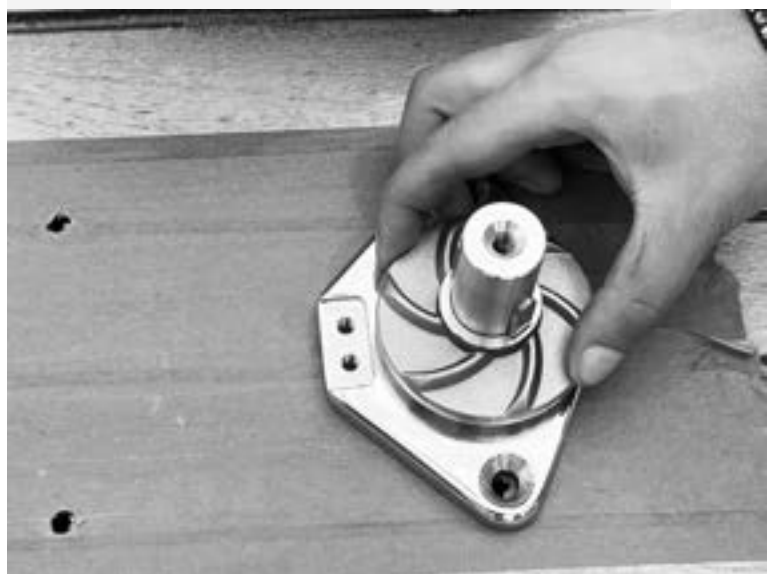
NOTE: I Self-Tail sono studiati per essere montati in coppia e orientati in base alla rotazione del motore per avere la cima di ritorno orientata verso il centro dell'imbarcazione o verso l'esterno in tutte e due i casi JOY non perde la funzionalità.

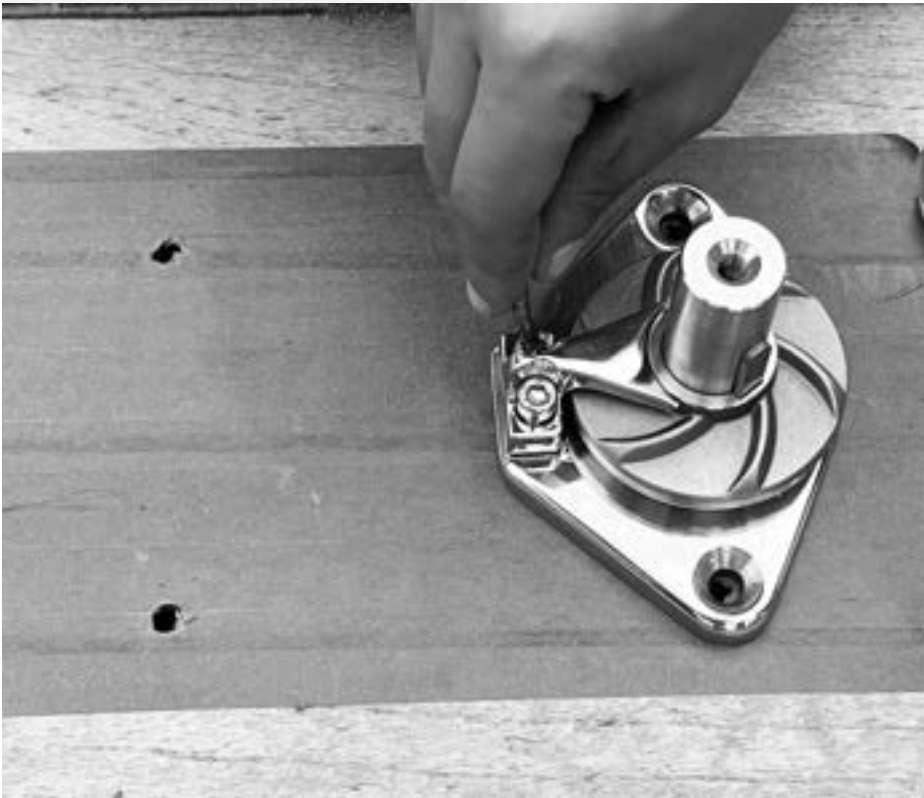
NB: Ragionare bene sul senso di rotazione del Self Tail in funzione del rimando della cima.

*The Self-Tail is fitted with vulcanized rubber sealing gasket, good thing is spread with a special recommended gear grease.*

*The Self-Tail are designed to be mounted in pairs and oriented to the rotation of the motor to have the return rope oriented towards the boat center or outdoors in all case JOY not lose functionality.*

*NB: Think very well about the direction of the self tail rotation as a function of the rope back direction*





**11) POSIZIONAMENTO STRIPPER**  
*LINE STRIPPER POSITIONING*

**12) BLOCCAGGIO STRIPPER ARM**  
**ALLA BASE CON VITI DI POSIZIONE 32**

*STRIPPER ARM LOCK*  
*AT THE BASE WITH SCREW OF POSITION 32*



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### 13) INSERIMENTO SELF-TAIL SUPERIORE

#### UPPER SELF-TAIL POSITIONING

Il Self Tail è munito di guarnizioni di tenuta in gomma vulcanizzata è buona cosa spalmare con grasso suggerito.

La mancanza di grasso compromette la durata delle guarnizioni

*The Sel- Tailing is fitted with vulcanized rubber sea- ling gasket good thing is spread with a special recommended grease.*

*Lack of grease compromises the life of the gasket.*



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### 14) INSERIMENTO DELLA PARTE PREMONTATA

#### INSERT OF THE PREASSEMBLED PART

L'inserto dell'asse motore sul giunto sferico deve essere fatto con attenzione, pulendo e ingrassando le parti con il grasso raccomandato.

*The drive shaft insert on the spherical joint must be done carefully, clearing and greasing the parts with the recommended grease.*







**15) INSERIMENTO SPINA ELASTICA  
ANTI ROTAZIONE RONDELLA DI TENUTA**

*WASHER ANTI-ROTATION ELASTIC PIN,  
TO BE INSERT BEFORE FIT THE SCREW*



**16) COLLEGAMENTO E FISSAGGIO ALL'ALBERO  
CONNECTING AND FITTING TO THE SHAFT**

NB: La manovra di serraggio delle viti in posizione ④ deve essere eseguita prima della manovra indicata ai punti 17) e 18).

*NB: the fixing of the screws in position ④ must be carried out before the maneuver indicated in steps 17) and 18).*



**NB!**

I due fori di fissaggio del corpo coperchio sono filettati M5 per consentire la futura estrazione, senza danneggiare il coperchio apposito.

The two fixing hole of the cover are M5 threaded to allow the future extraction without damaging the cover

## 17) CHIUSURA CUSCINETTO DI ROTAZIONE.

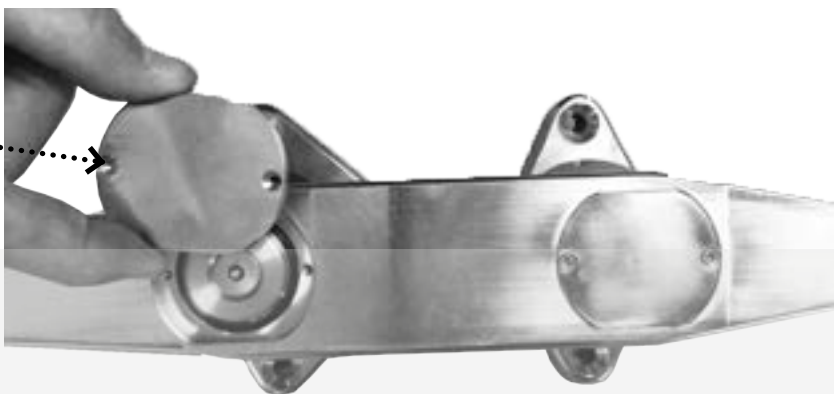
### ROTARING BEARING CLOSURE

Riempire le parti con grasso suggerito, prima della chiusura del giunto sferico con il coperchio apposito tramite viti di posizione (34).

NB: Questa manovra può anche essere eseguita al termine.

*Fill the part with the recommended grease before closing the spherical joint, with the cover using screw of position (34).*

*NB: This operation could be done as final operation*



## 18) PRIMA DEL SERRAGGIO ALLA COPERTA INSERIRE UNA GUARNIZIONE LIQUIDA

### INSERT A LIQUID GASKET BEFORE TIGHTENING TO THE DECK

Suggeriamo per praticità di posizionare la guarnizione liquida (tipo sikaflex) alla fine del montaggio e prima di serrare le quattro viti di posizione (5).

*We suggest you to position the liquid seal (for ex.sikaflex) at the end of the assembly e before fixing the four screw of position (5).*

## 19) SERRAGGIO FINALE ALLA COPERTA

### FINAL FIXING TO THE DECK

Prima del serraggio delle viti di posizione ⑤, inserire la guarnizione liquida in entrambi gli appoggi di JOY al ponte. A viti serrate eseguite le manovre finali dei punti 15) e 16).

*Before fixing the screw of position ⑤, insert the liquid seal on both JOY's supports to the deck. After fixing the screws, do the final operations 15) and 16)*



JOY B4A123H

**INGRASSATORE**  
**GREASE NIPPLE**



## 20) STEP FINALE

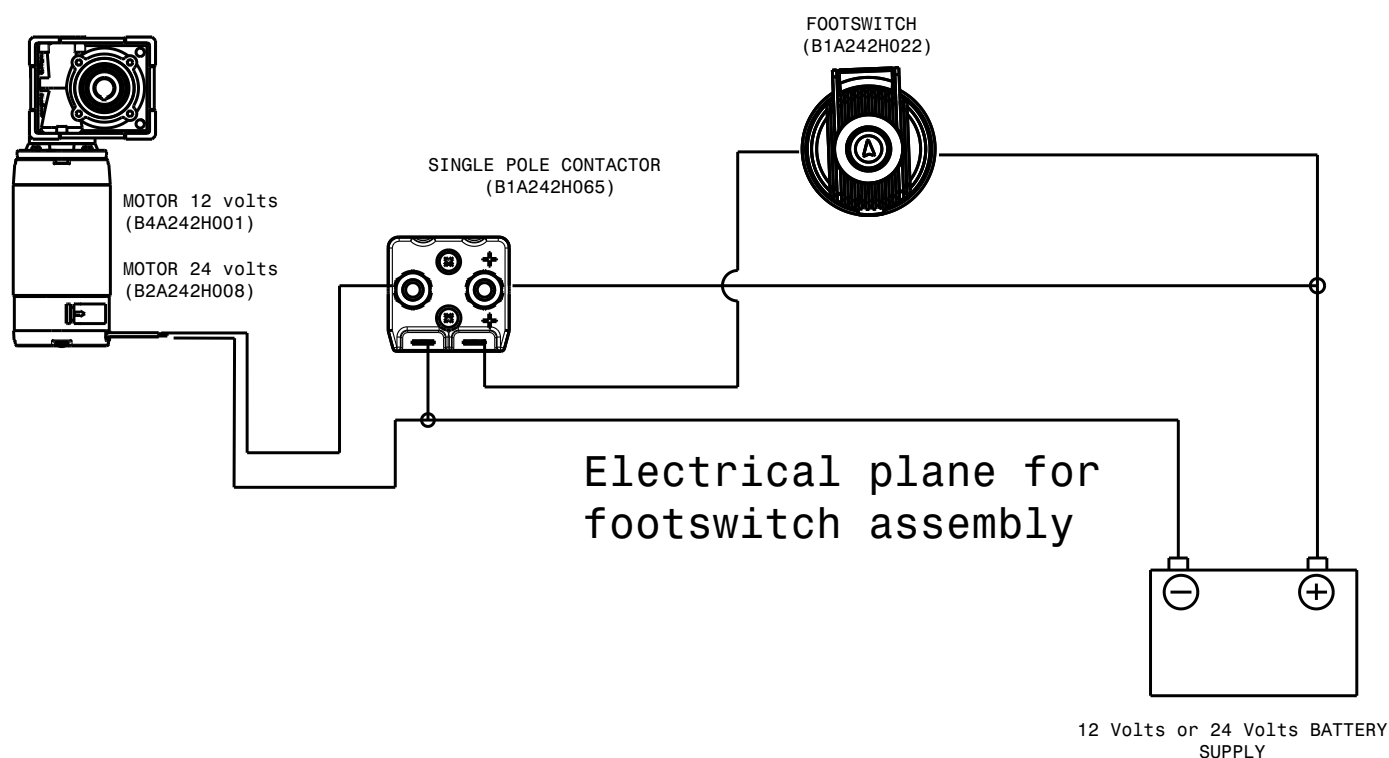
### FINAL STEP

Al termine, ingrassare a pieno l'albero rotante tramite apposito ingrassatore usando grasso blu marino.

*At the end, full fill the rotating shaft via the grease nipple with the recommended gear grease.*

## COLLEGAMENTO ELETTRICO SECONDO SCHEMA

ELECTRICAL CONNECTION ACCORDING TO SCHEME



### ATTENZIONE IMPORTANTE!

Durante l'ancoraggio a cima tesata e quindi a tensione massima,  
non insistere con il pulsante di comando,  
potreste danneggiare irreversibilmente il motore o altri apparati elettrici!

### IMPORTANT WARNING

While mooring and when the line will be tensioned to the max,  
do not insist switching on the electrical power,  
you could damage the motor and or other electrical equipment!

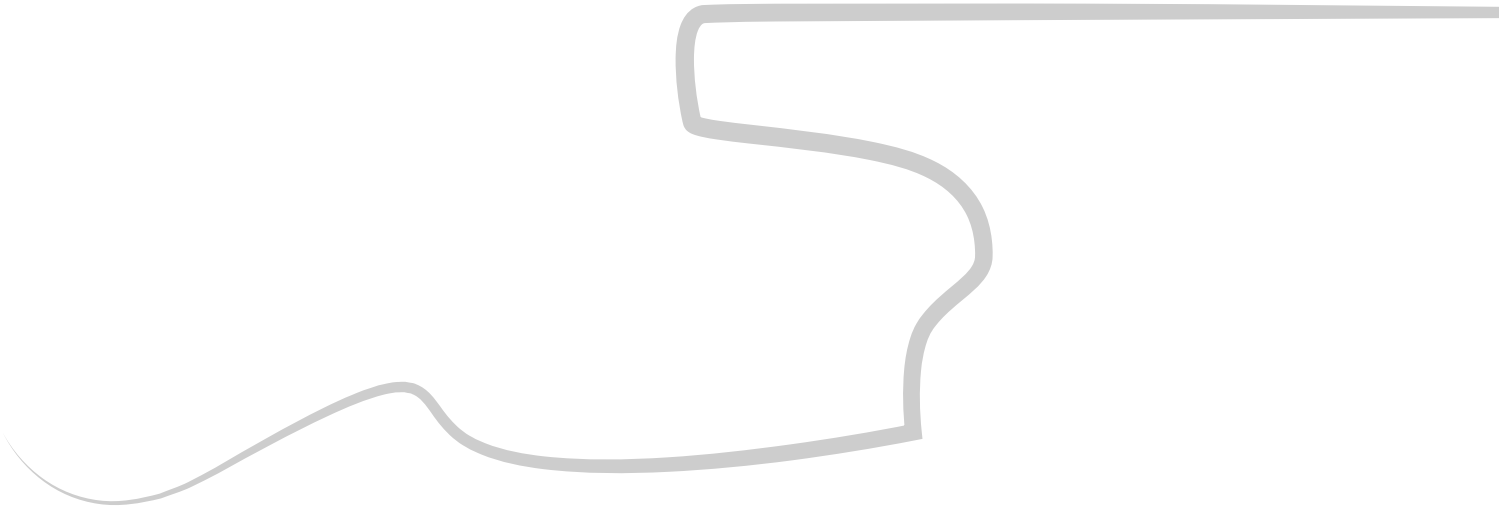
# ENJOY WITH JOY

Complimenti avete installato la vostra JOY correttamente e da ora in avanti la utilizzerete per i Vs ormeggi senza piu tirare le cime sino a farvi venire o il mal di schiena o di mani.

*Congratulation you installed your JOY correctly, and from now on U will use it for moorings without pull the line, avoiding back and hands pain.*

JOY B4A123H

JOY B4A123H





# MANUALE D'USO E MANUTENZIONE E PRECAUZIONI DI SICUREZZA

## USE AND MAINTENANCE MANUAL AND SAFETY PRECAUTIONS



## IMPORTANT:

Please carefully read the instruction contained in this manual before putting the unit into operation

*This product has been designed and produced respecting high production standards to guarantee excellent performance, convenient use and operator safety. If used with the utmost care, this product will guarantee years of optimum performance*

### GENERAL SAFETY RULES

#### ATTENTION

*Carefully read all safety instructions and warnings. Failure to follow the warnings and instructions may result in electric shock, fire and serious injury.*

#### USE FOR

*This mooring motorized is equipped with a mechanical retention of the mooring line and is indicated to facilitate the maneuver of mooring in the port of the boat. This product is only suitable to favor the tension of the bow and/or stern lines of the boat and to favor the mooring phase is not to be considered as a winch or towing system.*

**TPOLOGY OF USER:** *this product is intended for use by consumers, even non-professional maritime operators and is recommended for people of legal age.*

*Do not use the product for any purposes not indicated. The product should not be used as a fatigue tool. The product must not be used by children or by non-experts in the sector, the equipment is not designed for an ongoing function.*

#### RESIDUAL RISKS

*Even indicating clearly what is the intended use for this product there are always unforeseeable residual risks. Depending on the type and construction of the product the following risks may occur:*

- *Contact with rotating parts of the product, risk of abrasion and fractures*
- *Sudden and unexpected movement of the boat due to excessive tension, risk of falling, with potential fracture and abrasions*
- *Interweaving of cloche or different tops with rotating parts, risk of abrasion and potential fracture*
- *Hand skin contact, abrasion risk*
- *Keep this manual for future reference. The term "electrical appliance" used in the warnings refers to electrical appliances to be connected to the boat network, to the indicated voltage.*
- *Connections at higher voltages may cause short circuits with corresponding potential fire principles and baking of the electric motor*

#### SAFETY IN THE WORK ENVIRONMENT

- *Keep the workplace clean and well lit. The cluttered spaces and poorly lit are source of accidents.*
- *Do not use the product in potentially explosive environments such as petrol cans or gas cylinders*
- *We suggest to think well before starting with the installation of the product that is simple, but the help of a specialized technician, electrician is strongly suggested*

#### ELECTRICAL SAFETY

- *Prevent the body from coming into contact with grounded metal surfaces such as power cables*
- *Do not expose the electric motor to direct water source, it favors the risk of electric shock, short circuits and fires*

#### PERSONAL SAFETY

- *Always remain vigilant; when using an electrical appliance, always pay attention to the operations to be carried out and always use common sense. Do not use the equipment in case of fatigue, under the effect of alcohol or drugs. Never forget that a moment of distraction is enough to cause serious injury*
- *Avoiding or minimizing involuntary start-ups due to or interlocking the footswitch or malfunctions of the system, the equipment is not designed to remain in constant motion.*
- *Before starting up the equipment and during its normal use, make sure that there are no foreign bodies that can block or compromise his operational.*
- *Do not extend the arms excessively by placing your hands close to the motorized rotating pin to prevent them from becoming involuntarily entangled in the mechanism*
- *Avoid intertwining the mooring lines with clothes, bracelets, necklaces or other that can create the situation of clinging and dragging towards the rotating motorized part*

#### USE AND MAINTENANCE OF ELECTRICAL APPLIANCES

- *Do not force the appliance. Use the appliance appropriate for the work to be done. The appliance will offer better performance and will be safer when used in the system for which it has designed.*
- *Do not use the appliance if the switch does not allow it to start and stop correctly. A device that can not be switched on and off properly is dangerous and must be completely repaired.*
- *Disconnect the appliance from the power supply before making adjustments or changing spare parts. These preventive safety measures reduce the risk of accidental switching on of the appliance with consequent damage to property and persons.*
- *Check the status and functionality of the electric motor to avoid electric shocks*
- *Observe the working conditions and the operations to be carried out while using the appliance. To avoid dangerous situations, use the electric appliance only for the work for which it was designed*
- *Do not underestimate that the JOY has the same function as a normal known cleat but is powered by a geared motor is therefore to be considered as a machine and as such should be treated, especially in respect of potential damage to property and people*



## MAINTENANCE

- Any repairs must be carried out by a qualified technician, who, we suggest, must use only original spare parts. Maintenance requires a two-year verification of rotating parts and seals; annually insert the grease indicated on the vulcanized rubber seals in order to increase its life, grease the gearmotor body every year.

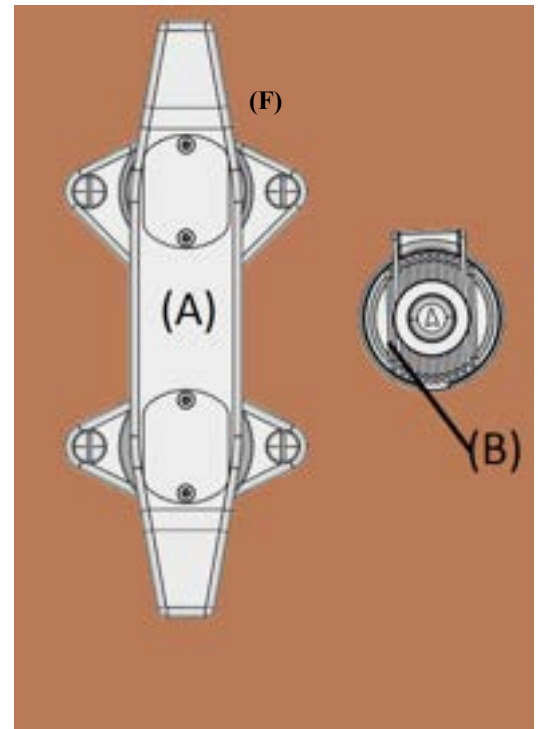
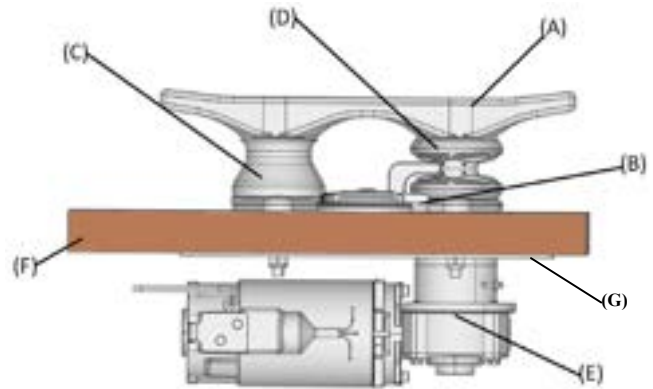
## GENERAL SAFETY REGULATIONS

- Before start control the sense of rotation of the shaft in order to make the equipment work properly
- With the rope in the hand and not in tension, position it correctly, giving once around the two rotating pins of the equipment
- Position yourself with wide legs in a comfortable position in order to perform the maneuver in safety while maintaining a firm position to keep the return top stretched to facilitate maneuvering.
- Open the safety cover of the foot switch in order to carry out the top tension operation constantly and without interrupting it.
- Pay attention during the final tension phase of the rope avoiding to bring it to a condition of excessive tension and breaking, in order to avoid damage to things and people.

## SPECIFICATIONS

Model	<b>B1A241H</b>
Voltage	12V DC
Duty:	S2 30 min
Watt:	550
RPM to the slowdown shaft:	60 rpm
Torsion to the slowing shaft:	78 Nm
Max speed :	8 m/min
Load in work on the reducer:	3120 N - 318 kg
Maximum load on gearbox:	6240N - 600-60 kg*
Ins.Class:	F
Protection:	IP 44
Oil gerabox:	Shell Omala S4WE
Weight tot kg:	23
Mooring Line section min-max mm:	22 - 30

\* in reference to the line OD



JOY B4A123H

(A)	Top plate
(B)	Footswitch
(C)	Neutral rotating pin
(D)	Motorized rotating Self Tail
(E)	Under deck motorgearbox
(F)	Deck
(G)	Lower plate

## PRODUCT INFORMATION

- External part AISI 316L
- Rotary part— secondary shaft—sealed bearing, primary shaft in grease immersion camera
- Motorgearbox IP 44
- Foot switch in printed polymer IP 67
- Gear motor shaft rotation parts with grease bath
- Seals on rotating parts made of highe-strength vulcanized rubber

## GENERAL INFORMATION

For any request, contact the technical office of Bonomi srl

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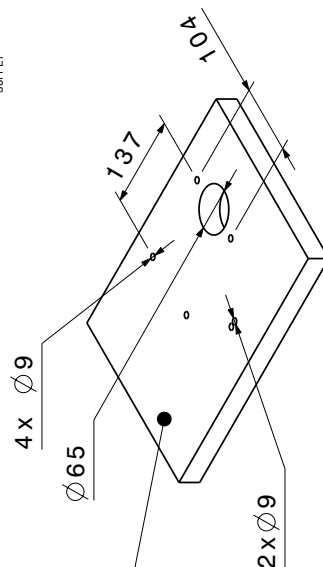
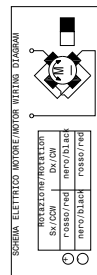
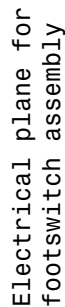
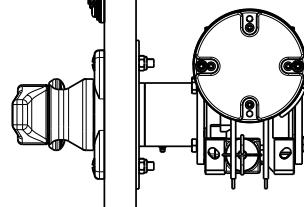
**ASK FOR JOY IT WILL BE DELIVERD IN ANY PLACE!**

## MANOVRE PER L'ANCORAGGIO

### MANOEUVRE FOR MOORING







- 1 Posizionare la cima nel passa cima  
*Positioning the line in the guide line*
- 2 Verifica del senso di rotazione del Self Tail che vi indicherà il lato di posa della cima  
*Check the Self Tail rotation direction that will indicate you the line position*
- 3 Posizionare la cima lateralmente a Joy  
*Place the line sideways at JOY*
- 4 Dare una volta attorno ai due perni rotanti  
*Give once around the two rotating shaft*
- 5 Tenere in tensione la cima di ritorno  
*Keep the line back in tension*
- 6 Azionare il pulsante di comando tenendo la cima di ritorno in tensione  
*Start up the control button by holding in tension the line back*
- 7 Eseguire il classico nodo di Galloccia per fissare la cima a Joy  
*Perform the classic cleat node to fix the line to JOY*
- 8 Dare una volta attorno al nodo di galloccia per sicurezza  
*Give once around the cleat node for security*








IT CAN USE SHEET  
B1A242 AS HOLES GUIDE

ASSEMBLY WEIGHT WITH STAINLESS STEEL PARTS: 23 Kg

	ONLY GRAPHIC MODIFICATION OF SHEET 1 AND 2		24/02/2023	C.D.	X
	Modif. ITEM 17 and 22 + 25 mm		07/07/2022	C.D.	X
	Modif. from 2 key to 1 key on item 27/28/29/17 removed single pole contactor support of		14/04/2022	C.D.	X
	Modif. STRIPPER AND SCREW ITEM 26 32 SPHERICAL JOINT INOX ITEM 19 FROM B1A242HQ46 TO B1A242HQ89		30/12/21	G.D.	X
	-		-	-	X
	SOME MODIFICATION		29/12/2019	C.D.	X

MARK RICHIAMO	MODIFICATION SUBJECT DESCRIZIONE MODIFICA	DATE / DATA	CHECKED CONTROLLATO
NON SCALE DRAWING NON SCALARE IL DISEGNO	DIS. di Riferimento N° / Ref. DWG. N° DISEGNO / DRAWING N°: ..... C.D.	28/05/2018	
UNLESS OTHERWISE SPECIFIED (1) DIMENSIONS ARE IN METRIC SE NON SPECIFICATO (1) LE DIMENSIONI SONO IN MM	CONTROLLATO / CHECKED BY: DATE / DATA ... .. APPROVED BY: DATE / DATA ... .. SCALE / SCALE 2.5 FORN. / SIZE 3/4	28/05/2018	
	<div>  <p>bonomi</p> <p>ENTRATA 5000 RETROVETRABILI</p> </div>		
<div>  </div>		<div> <p>Cleat 300 DIMENSION</p> <p>0158200 N° / DRAWING N°</p> <p>A1 B4A123H</p> </div>	

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PATENT PENDING CONFIDENTIAL INFORMATION

Number of Patent Application 102016000078527

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**GRAZIE PER LA VOSTRA FIDUCIA!**

*THANKS FOR YOUR TRUST!*

