



JOY

la Galloccia Self Tailing
the Self Tailing Cleat

Cod. n° B8A245H


earth and sea innovations





JOY B8A245H

DICHIARAZIONE CE DI CONFORMITA'
Conformity Declaration

(Allegato IIA DIR. 2006/42/CE)



IL FABBRICANTE / THE PRODUCED

Bonomi S.r.l

Azienda

Via Mario Pagano, 63

Indirizzo

Milano

Città

20145

Cap

Italia

Stato

MI

Provincia

DICHIARA CHE LA MACCHINA/Declar that the the Machine, code B8A245H 500 kg 24 V

GALLOCCIA MOTORIZZATA MOD. JOY/ The powered Cleat JOY, code B8A245H 500 kg 24V

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

Cristiano Bonomi

Nominativo

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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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MANUALE DI INSTALLAZIONE
INSTALLATION MANUAL

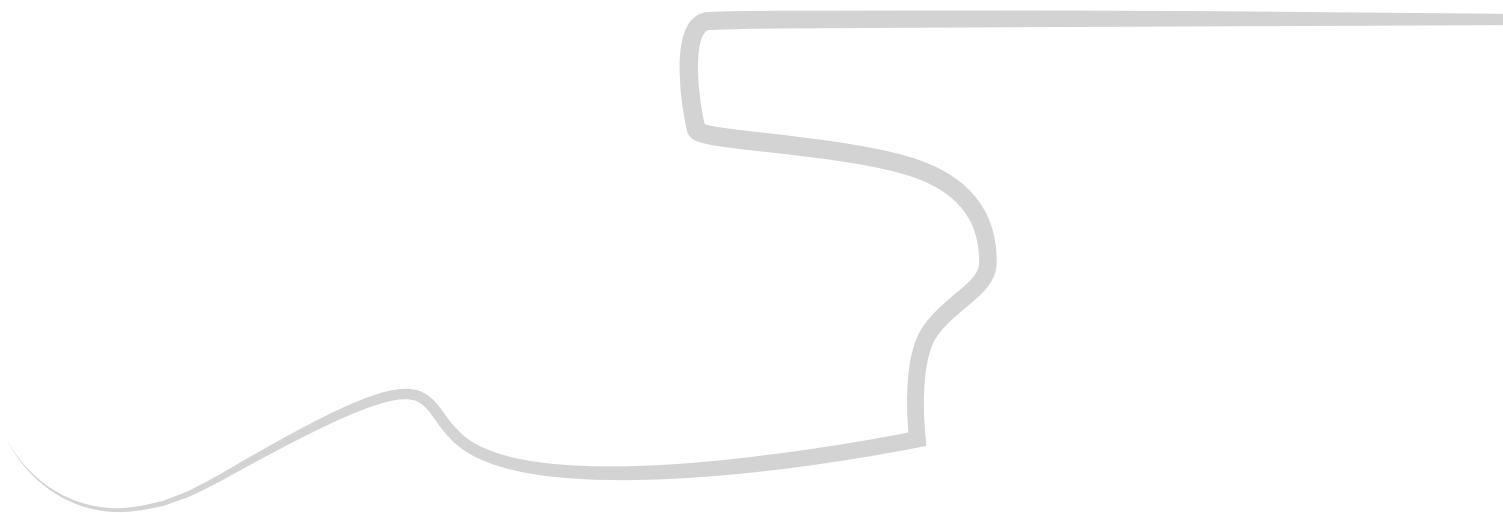
pag. 30-35

MANUALE D'USO E MANUTENZIONE
USE AND MAINTENANCE MANUAL

JOY B8A245H

LEGGERE ATTENTAMENTE!
READ CAREFULLY!

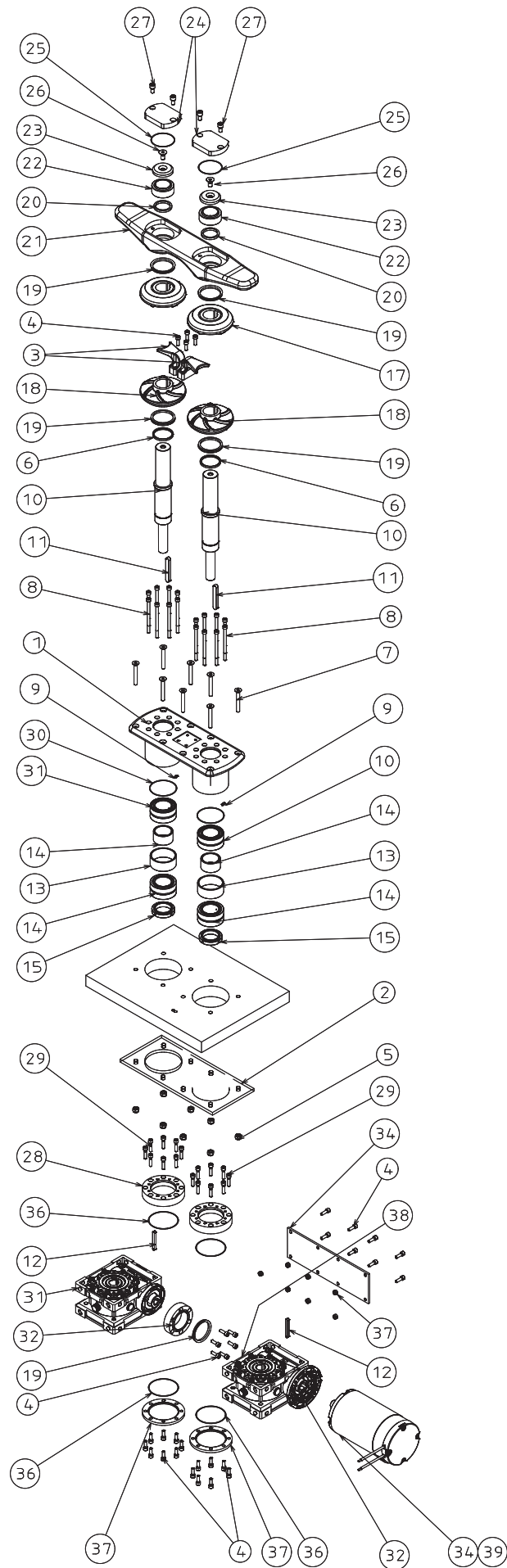
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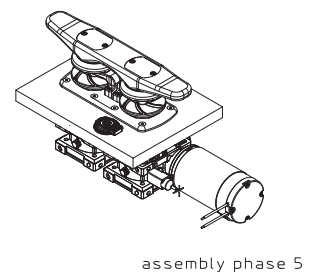
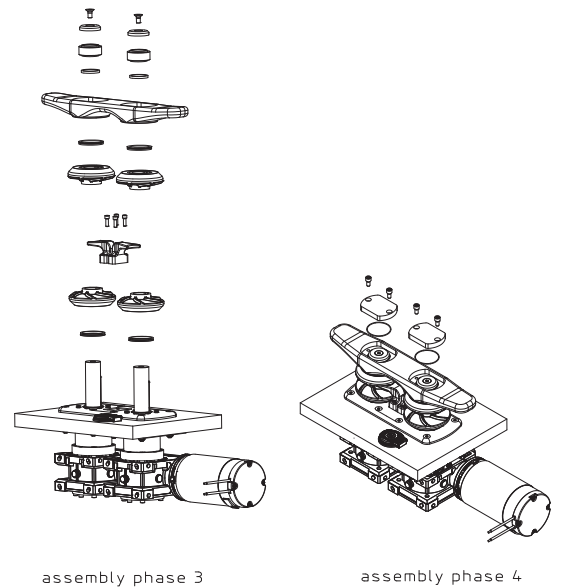
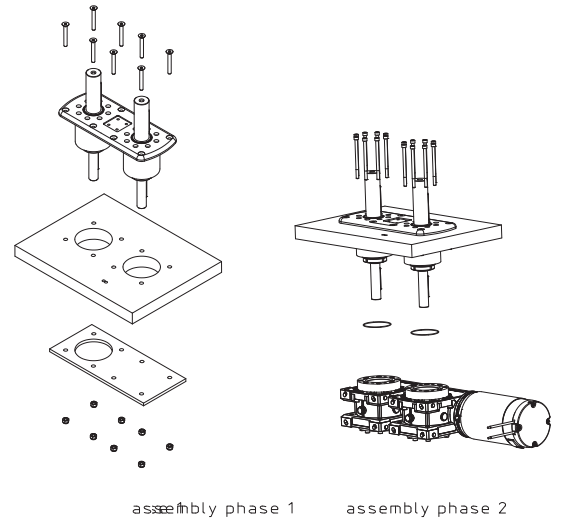


MANUALE DI INSTALLAZIONE

INSTALLATION MANUAL

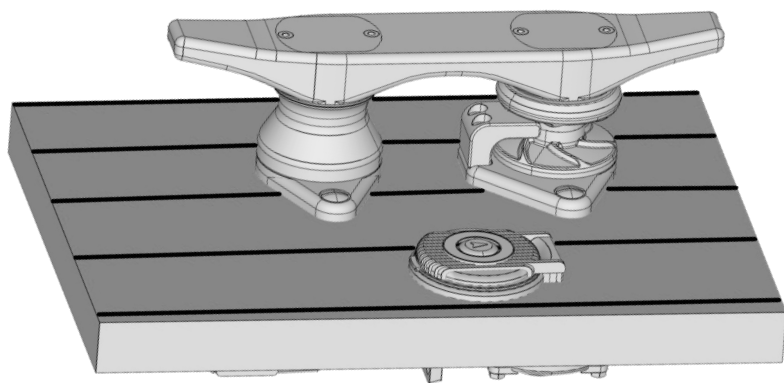


ITEM	Q.ty	PART NUMBER	DESCRIPTION
1	1	B8A245H006	BEARING SUPPORT FLANGE
2	1	B8A245H008	LOWER PLATE
3	2	B8A245H011	STRIPPER
4	34	B8A245H034	SCREW
5	8	B8A245H023	HEXAGON LOCKNUT
6	2	B8A245H016	SEAL
7	8	B8A245H022	SCREW
8	16	B8A245H021	SCREW
9	2	B1A242H050	GREASE NIPPLE
10	2	B8A245H001	DRIVE SHAFT
11	2	B8A245H025	KEY
12	2	B8A245H020	KEY
13	2	B8A245H012	SPACER
14	2	B8A245H013	SPACER
15	2	B8A245H019	NUT
16	4	B8A245H018	BEARING
17	2	B8A245H004	UPPER ROPE RING
18	2	B8A245H003	UPPER ROPE RING
19	5	B8A245H017	SEAL
20	2	B8A245H026	SPACER
21	1	B8A245H005	TOP PLATE
22	2	B8A245H010	SPHERICAL
23	2	B8A245H009	SEALING WASHER
24	2	B8A245H007	COVER
25	2	B2A242H005	O-RING
26	2	B8A245H033	SCREW
27	4	B8A245H032	SCREW
28	2	B8A245H002	FLANGE
29	16	B8A245H024	SCREW
29	2	B8A245H027	O-RING
30	1	B8A245H014	GEAR BOX
31	1	B8A245H015	GEAR BOX
32	1	B8A245H030	FLANGE
33	1	B8A245H031	GEAR ASSY PLATE
34	1	B8A245H029	ELECTRIC MOTOR 24 VOLTS
35	4	B8A245H028	O-RING
36	2	B8A245H035	COVER FLANGE
37	8	B1A242H016	HEXAGON LOCKNUT
38	1	B8A245H038	KEY
39	1	B8A245H039	KEY
39		B60C124C	Control Box + Double Switch



JOY B8A245H





ATTREZZATURA NECESSARIA PER L'INSTALLAZIONE DI JOY

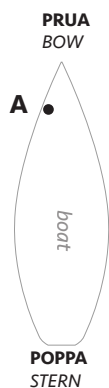
EQUIPMENT NEEDED TO INSTALL JOY

- _ Trapano elettrico professionale.
Professional electric drill.
- _ Punta da trapano per metalli
Metal drill bit Hss-R: OD 10 mm
- _ Chiave combinata per dado.
Combined wrench Key: OD 17 mm
- _ Chiave a brugola.
Allen wrench key: 6 mm
- _ Chiave a brugola.
Allen wrench key: 8 mm
- _ Cacciavite.
Screw driver : Flat o Torx
- _ Sega a tazza
Hole saw: OD 115mm
- _ 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

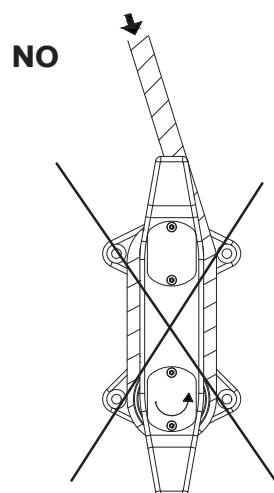
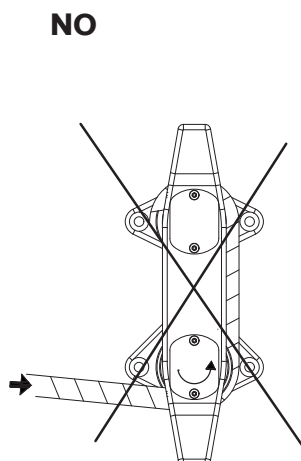
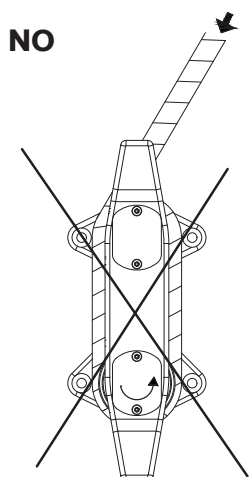
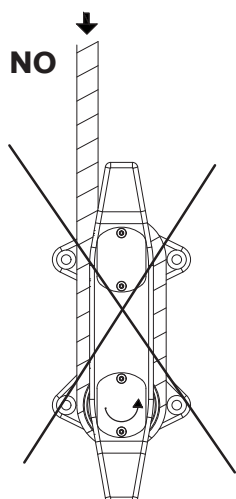
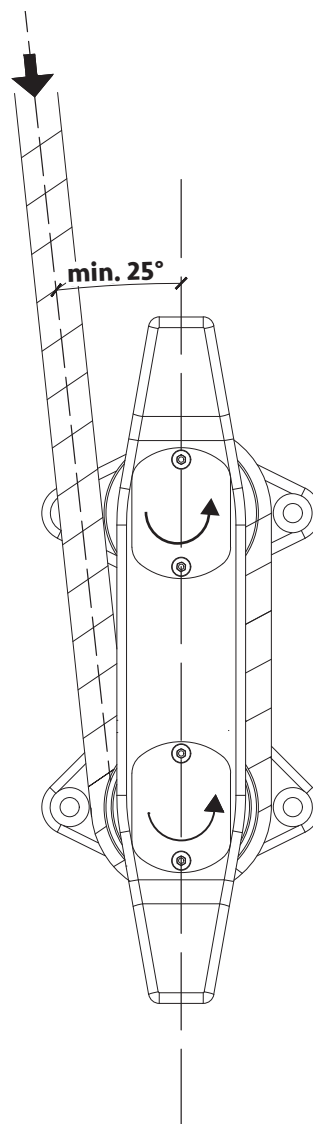
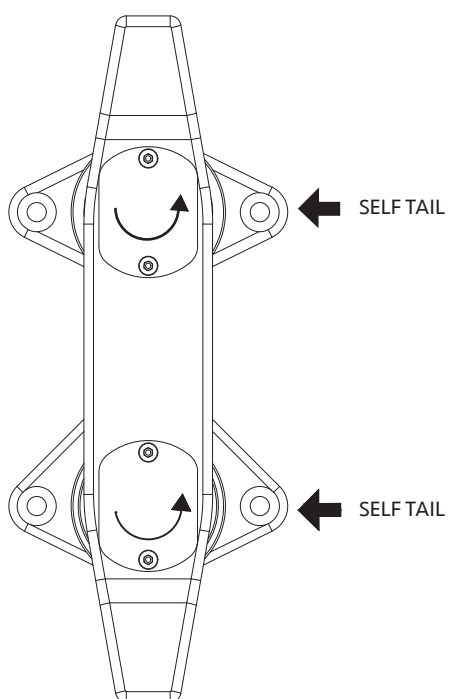
SUGGERIMENTI DI POSIZIONAMENTO SUL PONTE

DECK INSTALLATION GUIDE LINE

A



PRUA - SINISTRA BOW - LEFT



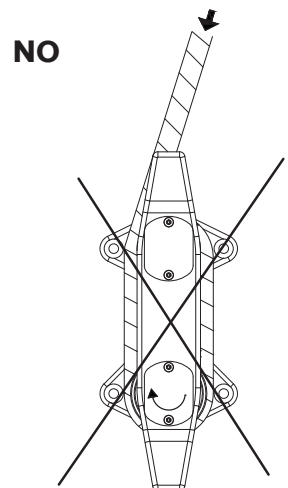
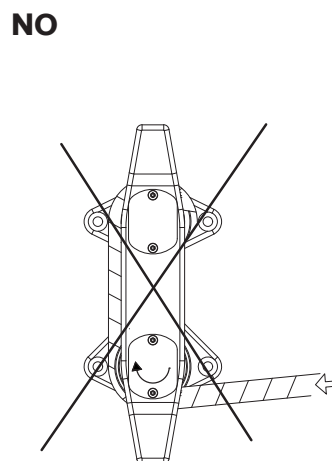
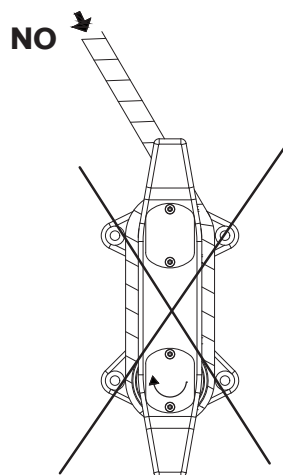
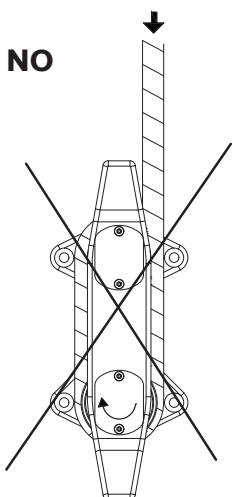
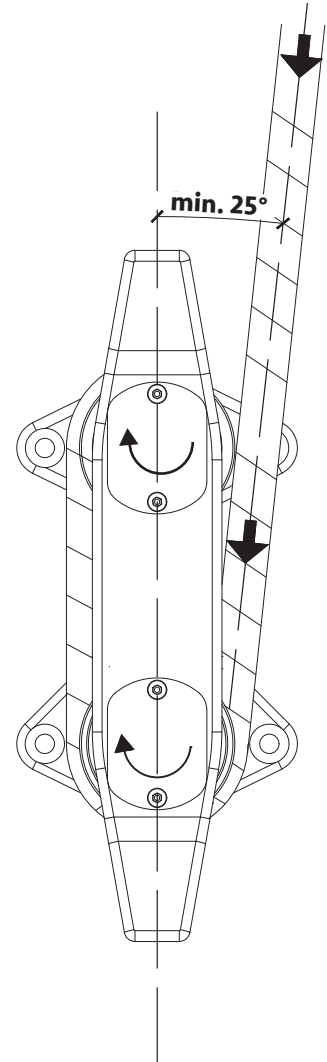
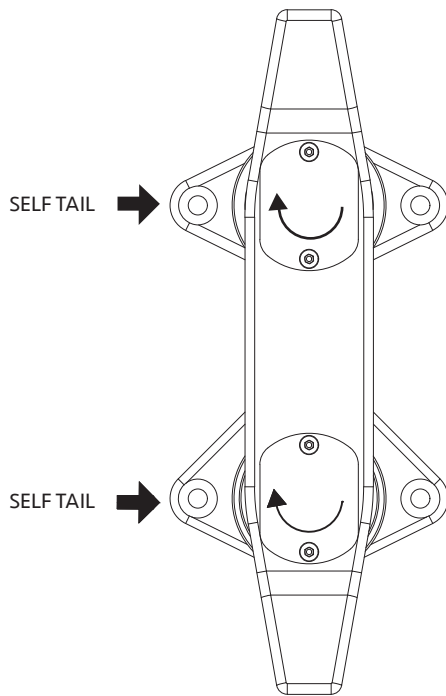
SUGGERIMENTI DI POSIZIONAMENTO SUL PONTE

DECK INSTALLATION GUIDE LINE

B

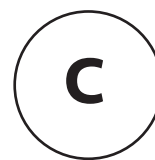


PRUA - DRITTA BOW - RIGHT

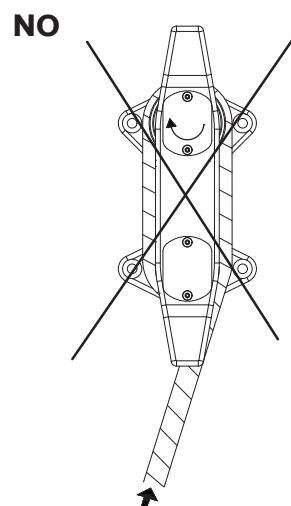
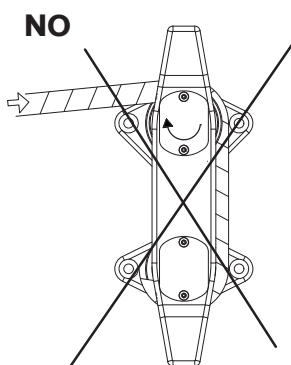
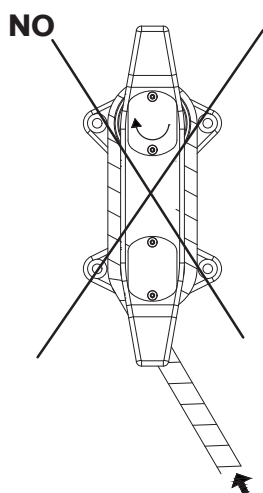
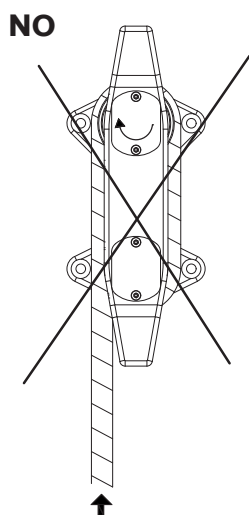
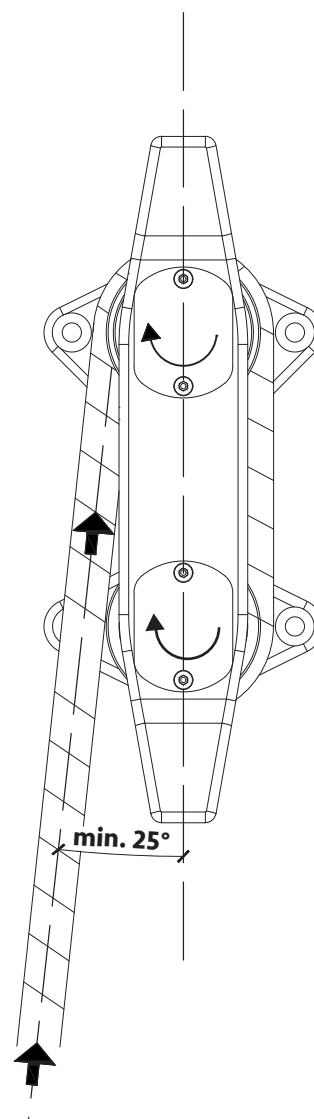
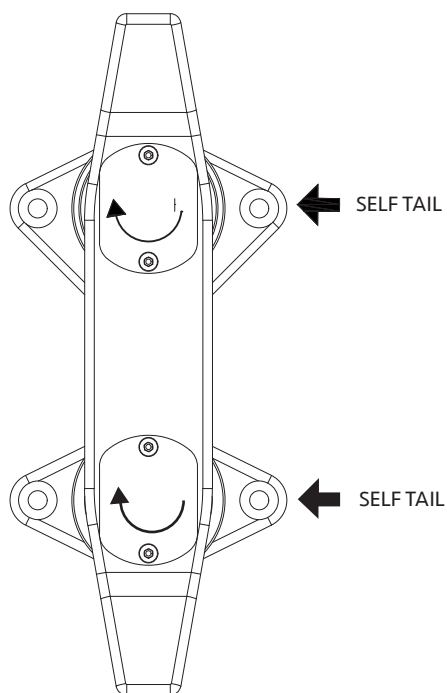


SUGGERIMENTI DI POSIZIONAMENTO SUL PONTE

DECK INSTALLATION GUIDE LINE



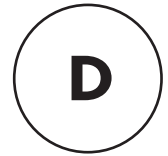
POPPIA - SINISTRA STERN - LEFT



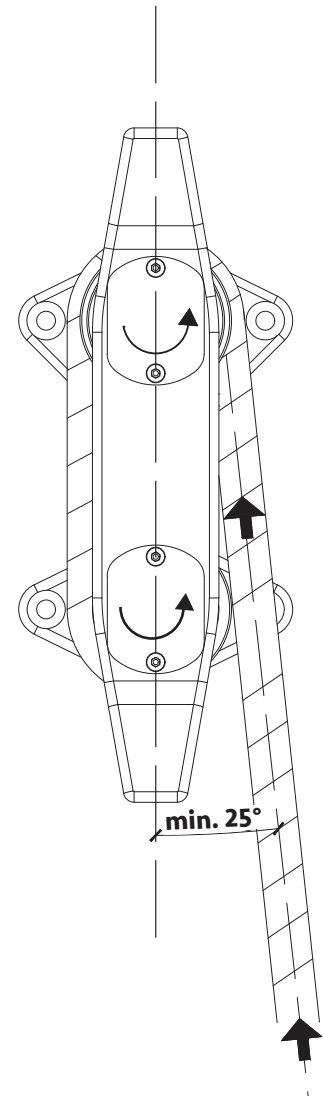
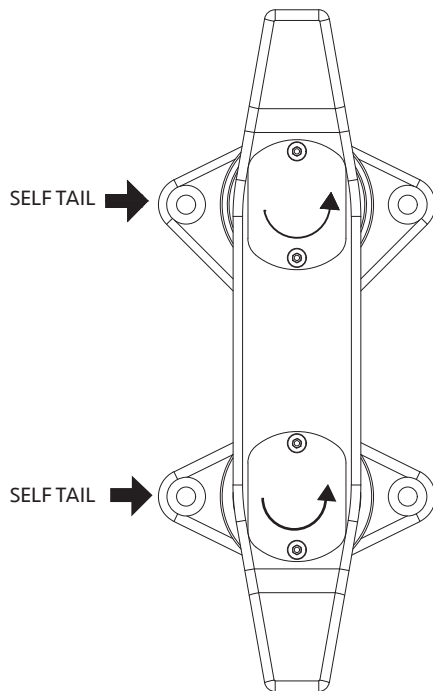
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SUGGERIMENTI DI POSIZIONAMENTO SUL PONTE

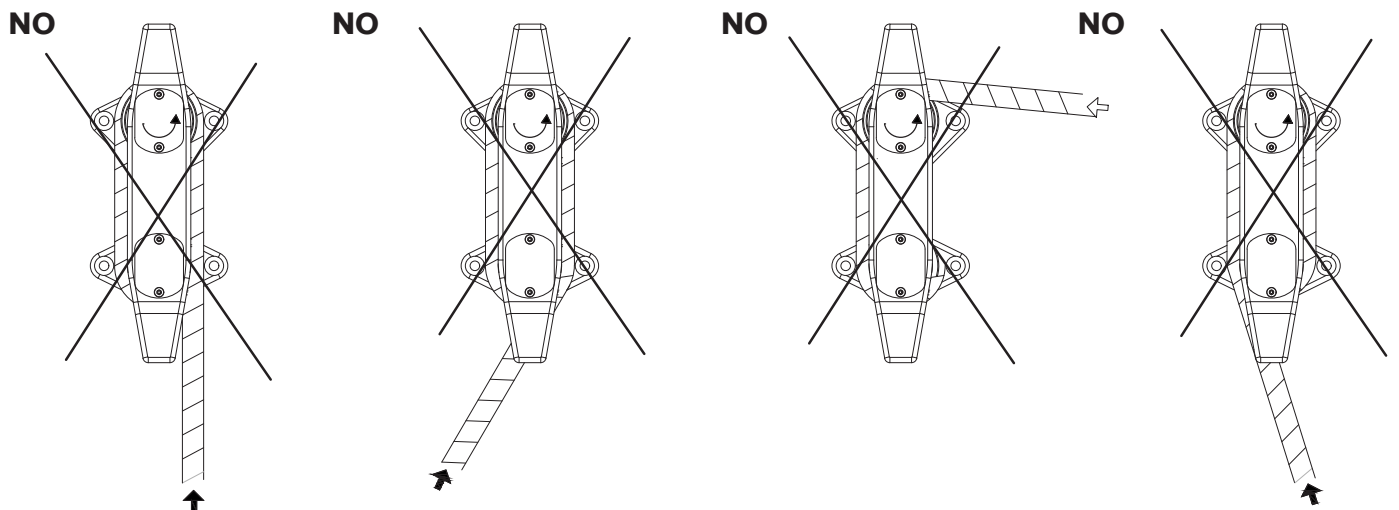
DECK INSTALLATION GUIDE LINE



POPPIA - DRITTA STERN - RIGHT



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1) PREPARAZIONE E POSIZIONE

POSITION AND PREPARATION

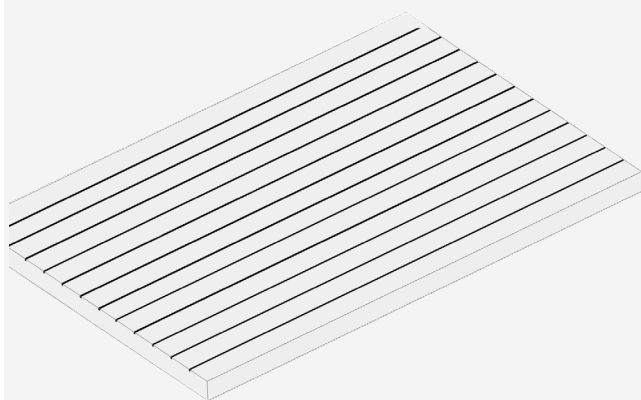
Preparazione posizione.

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 più 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.



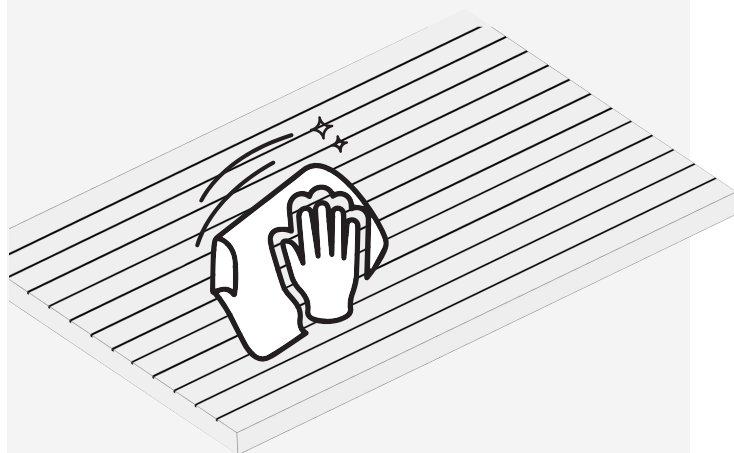
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2) PULIZIA PONTE PRIMA DEL MONTAGGIO

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.

NB: 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.



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!

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!



**ATTENZIONE!!
WARNING!!**

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

SEE IMPORTANT NOTE
PAGE 14 to 17

4) ESECUZIONE DEI 4 FORI PERIMETRALI PER FISSAGGIO JOY

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

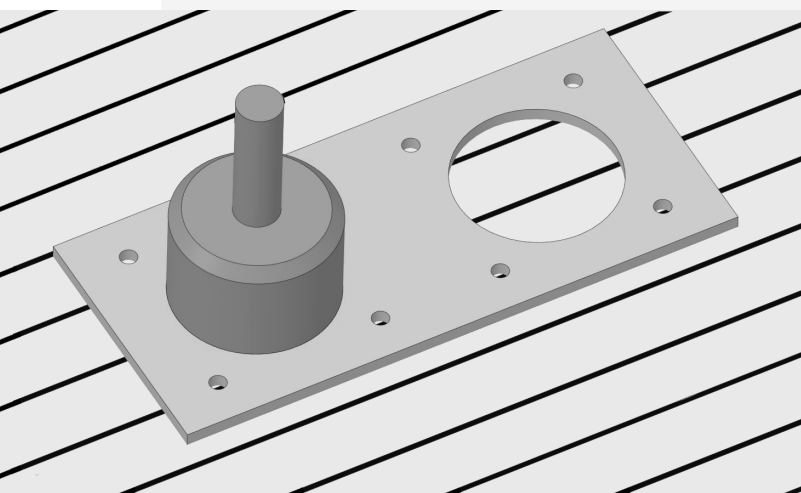
NOTE

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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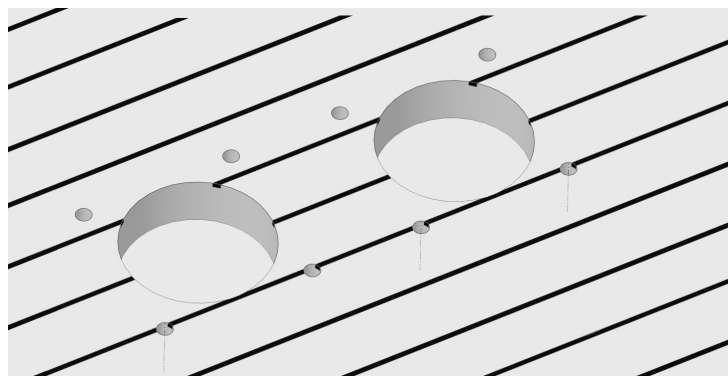


5) FORO CENTRALE PER ASSE MOTORE

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

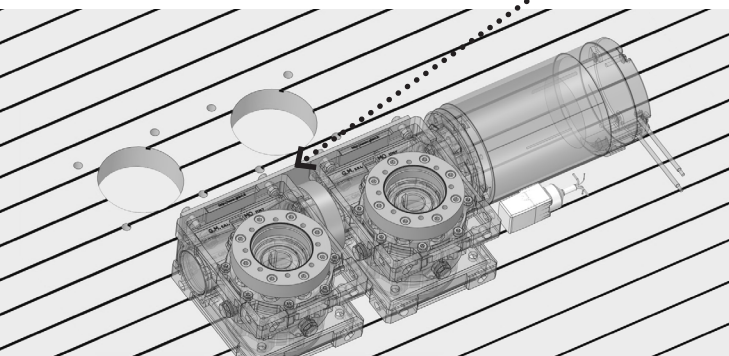
UNDER DECK CONTERPLATE POSITIONING

Per fissarla temporaneamente vi suggeriamo di utilizzare una vite di posizione ⑦.

To fix it temporary, we suggest you to utilize and screw of positioning ⑦.

Questa piastra serve solo per l'assemblaggio,
può essere rimossa ad installazione ultimata.

*This plate is for assembly only,
it could be removed once the assembly is over*



7) POSIZIONAMENTO MOTORIDUTTORE PREASSEMBLATO SOTTO COPERTA

*PRE-ASSEMBLED POSITIONING GEARMOTOR
UNDER DECK*

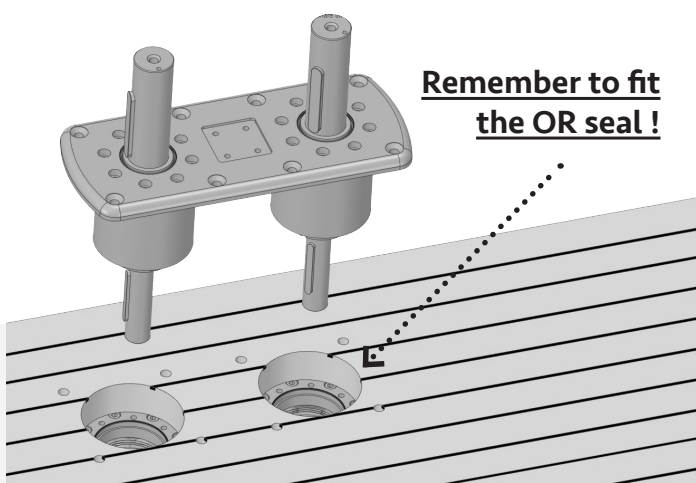


Ricordare di posare
la contropiastra!

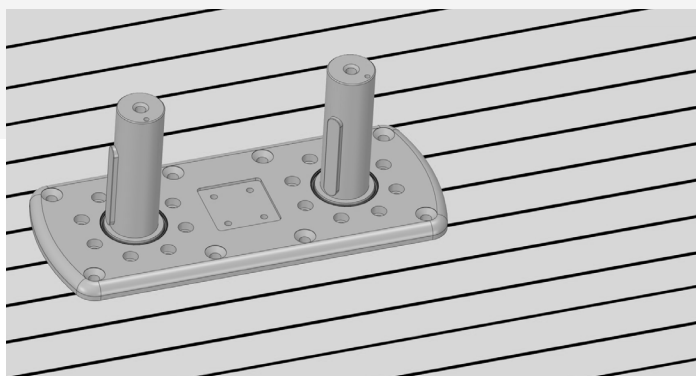
*Remember to insert
the counter plate!*

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*



**Remember to fit
the OR seal !**



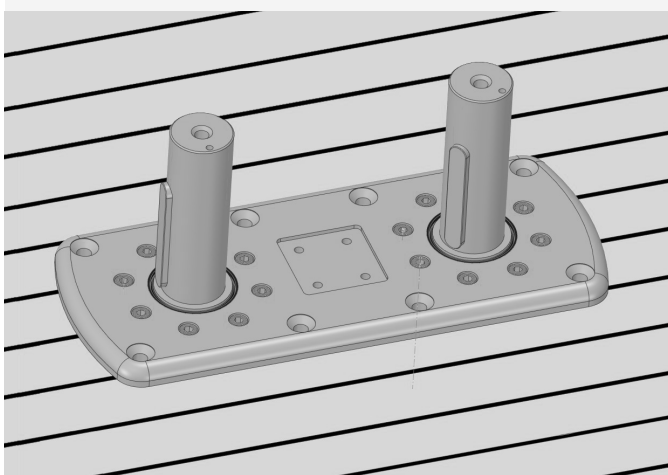
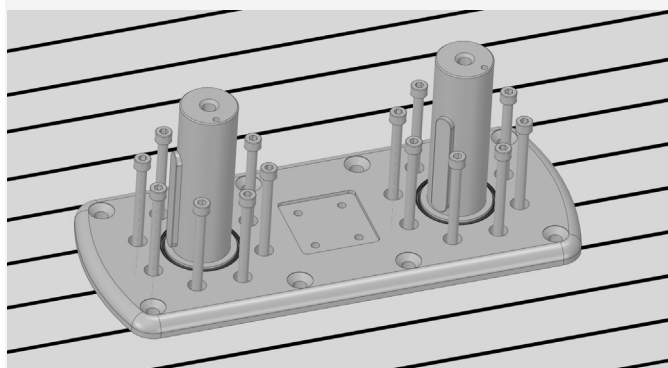
JOY B8A245H

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 (8)

Utilize screw of position (8).



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.

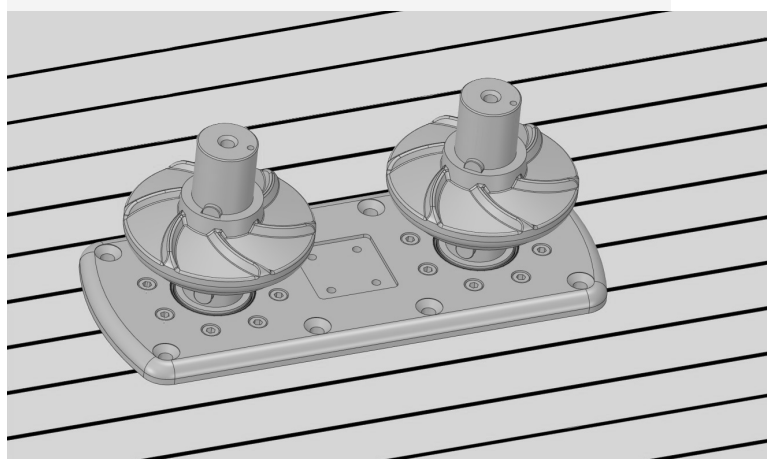
NOTE: I Self-Tail sono studiati per essere montati in coppia e orientati in base alla rotazione del motore per avere la cima di ritorno orientata verso il centro dell'imbarcazione o verso l'esterno in tutte e due i casi JOY non perde la funzionalità.

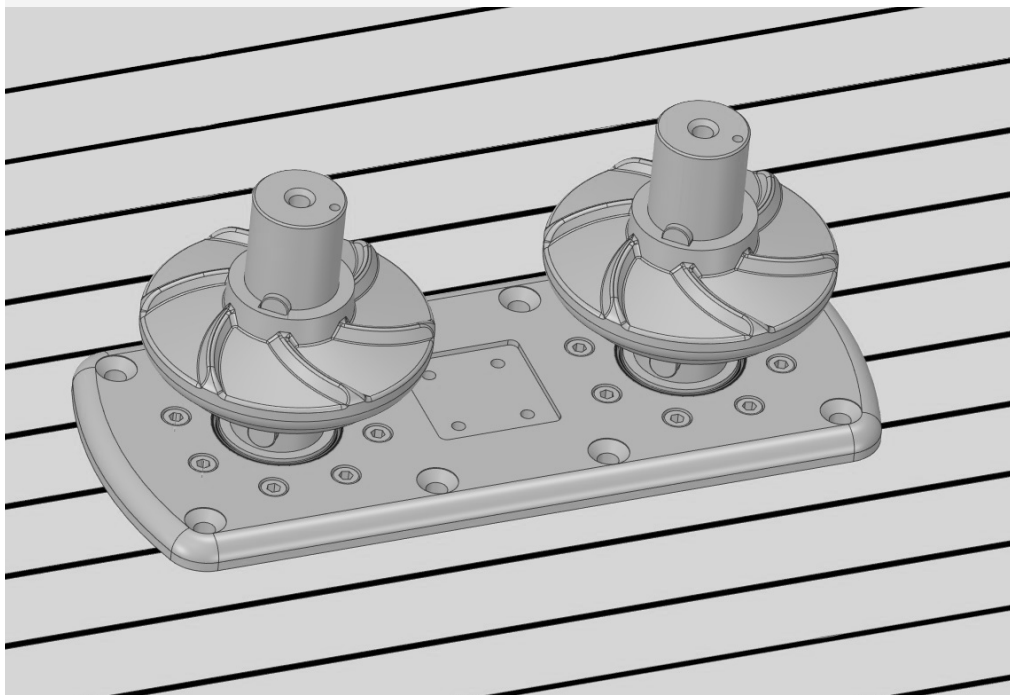
NB: Ragionare bene sul senso di rotazione del Self Tail in funzione del rimando della cima.

The Sel-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





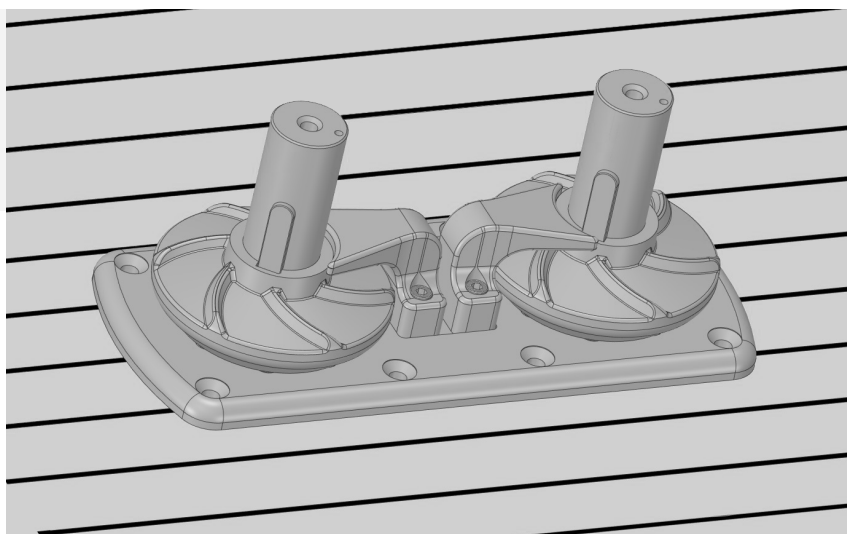
11) POSIZIONAMENTO STRIPPER

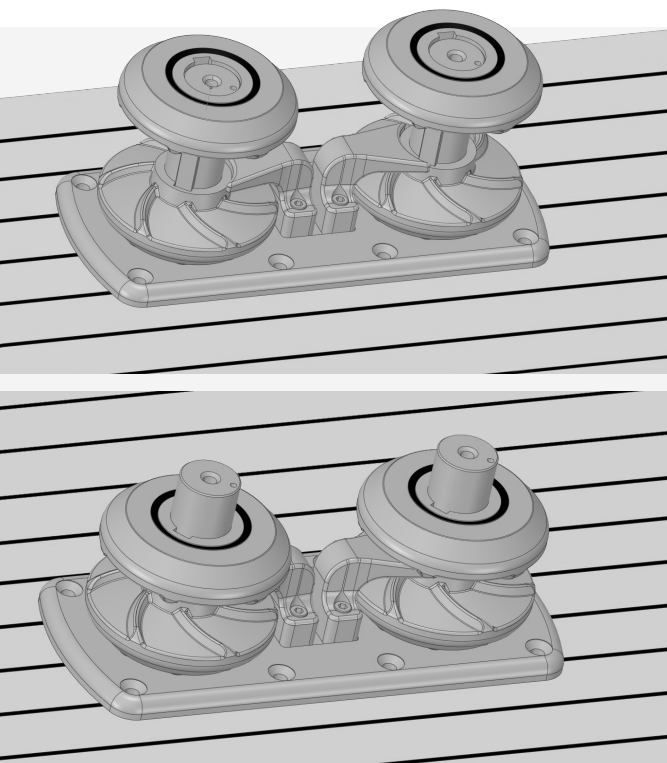
LINE STRIPPER POSITIONING

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12) BLOCCAGGIO STRIPPER ARM ALLA BASE CON VITI DI POSIZIONE ④

*STRIPPER ARM LOCK
AT THE BASE WITH SCREW OF POSITION ④*





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.

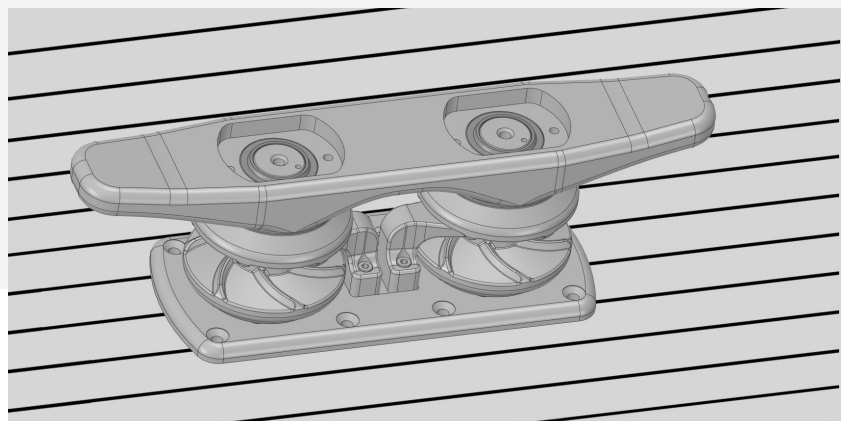
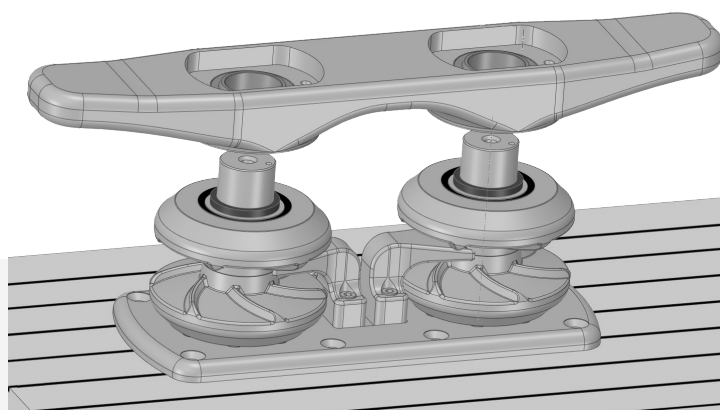
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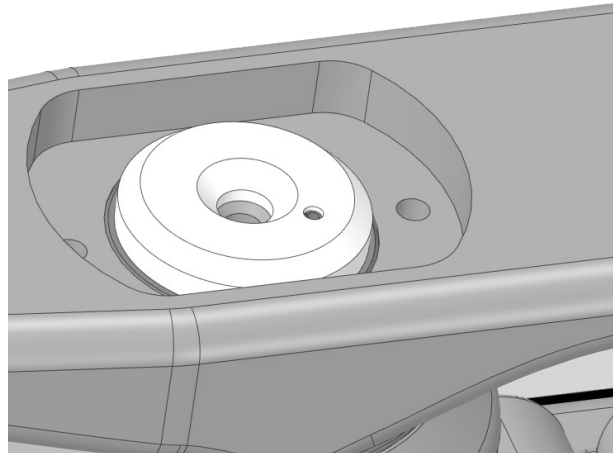
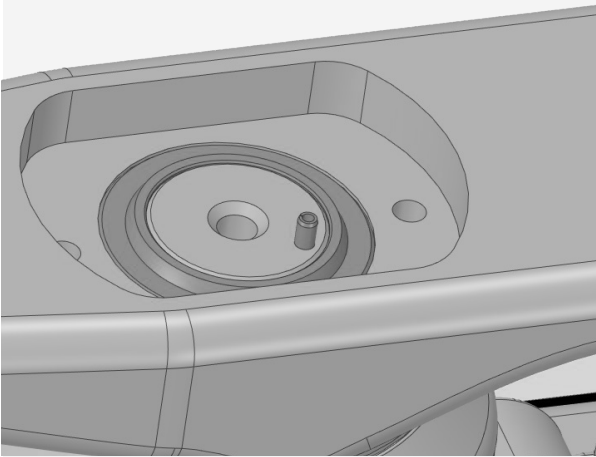
14) INSERIMENTO TOP PLATE

INSERT OF THE TOP PLATE

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

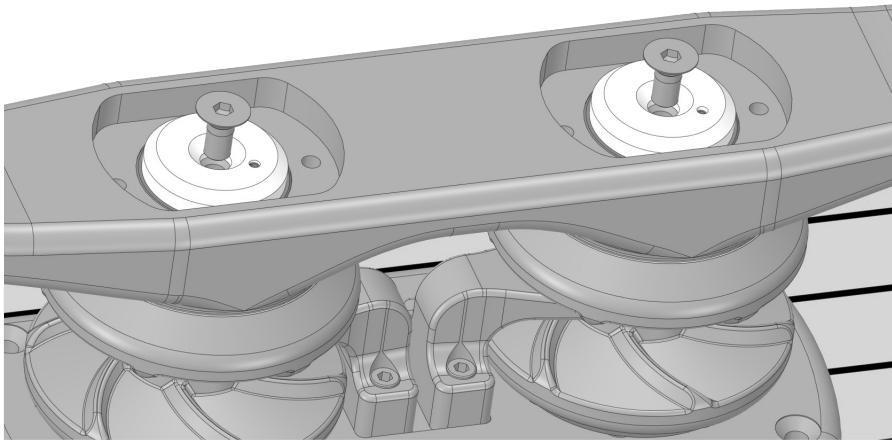
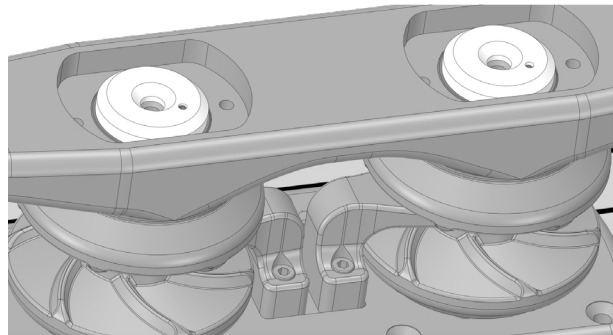
The drive shaft insert on the spherical joint must be done carefully, clearing and greasing the parts with the recommended grease.





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

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

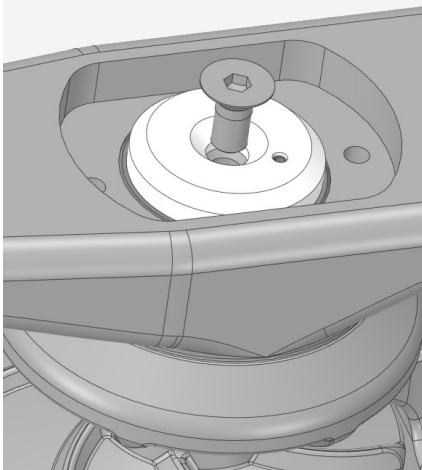


**16) SERRAGGIO DEL TOP PLATE AGLI ALBERI
TRAMITE LE RONDELLE DI POSIZIONE (23)**

*FIXING THE TOP PLATE TO THE SHAFT
WITH THE WASHER OF POSITION (23)*

NB: La manovra di serraggio delle viti in posizione ②⑥ deve essere eseguita dopo l'incastro della spina del precedente punto 15).

NB: the fixing of the screws in position ②⑥ must be performed after the interlocking of the pin of the previous point 15).



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.

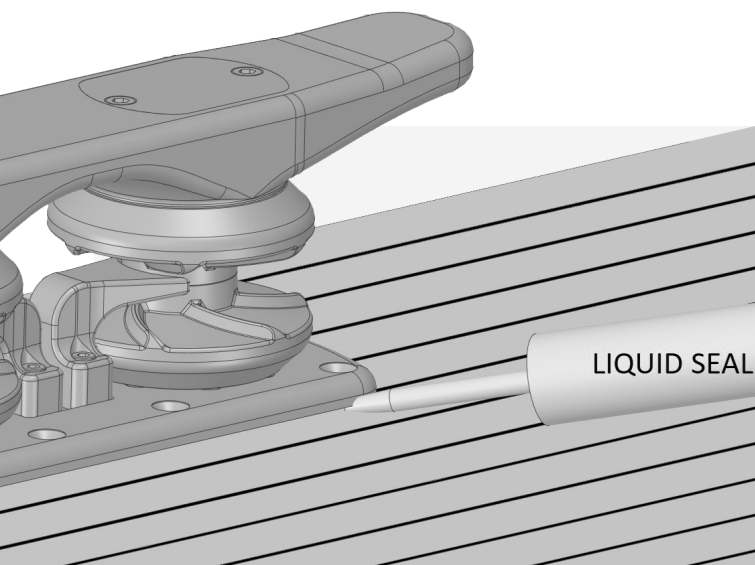
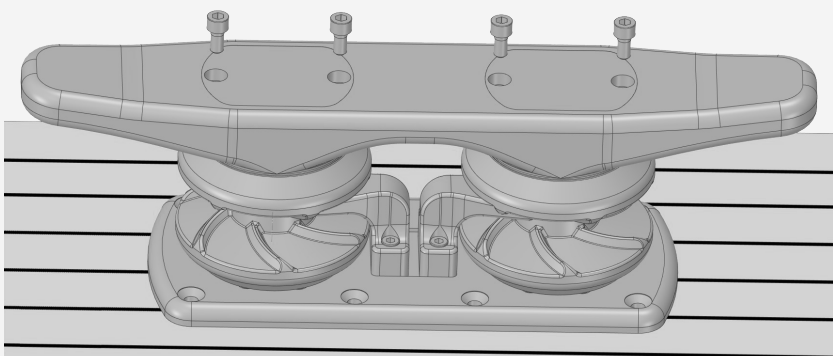
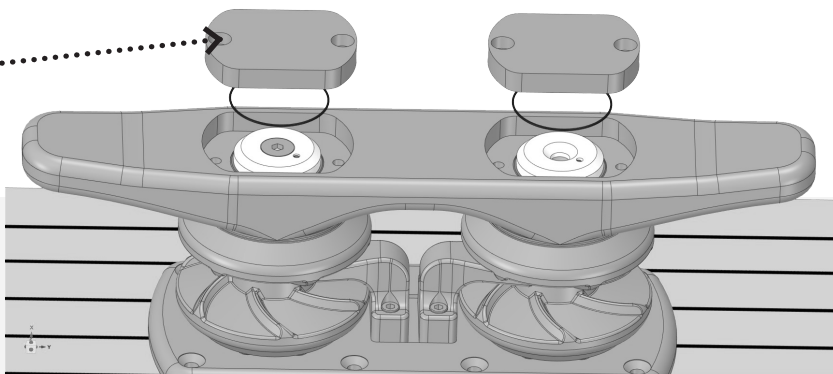
ROTARING BEARING CLOSURE

Riempire le parti con grasso suggerito, prima della chiusura del giunto sferico con il coperchio apposito tramite viti di posizione (27).

NB: Questa manovra può anche essere eseguita dopo quelle indicate nei punti 18) e 19).

Fill the part with the recommended grease before closing the spherical joint, with the cover using screw of position (27).

NB: This operation could be done also after the operations 18) and 19).



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 otto viti di posizione (7).

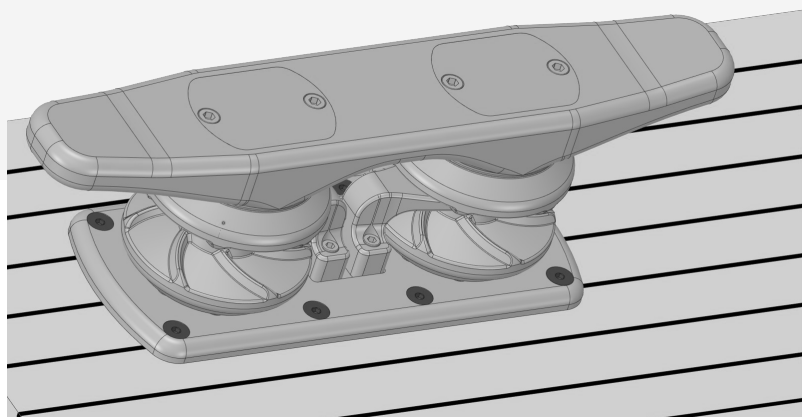
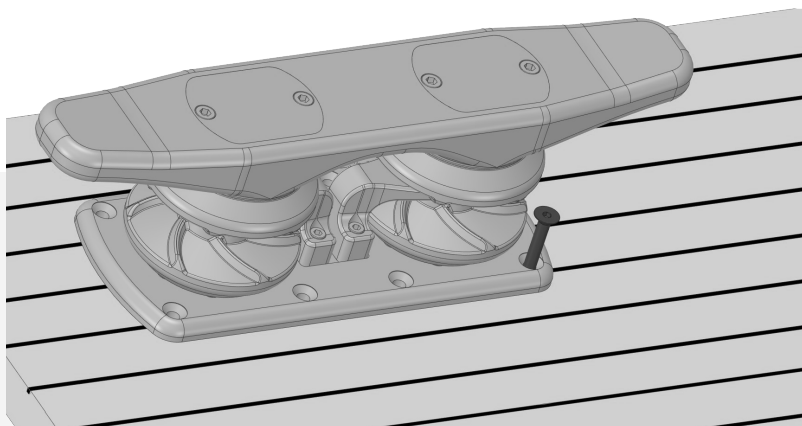
We suggest you to position the liquid seal (for ex. sikaflex) at the end of the assembly e before fixing the eight screw of position (7)

19) SERRAGGIO FINALE ALLA COPERTA

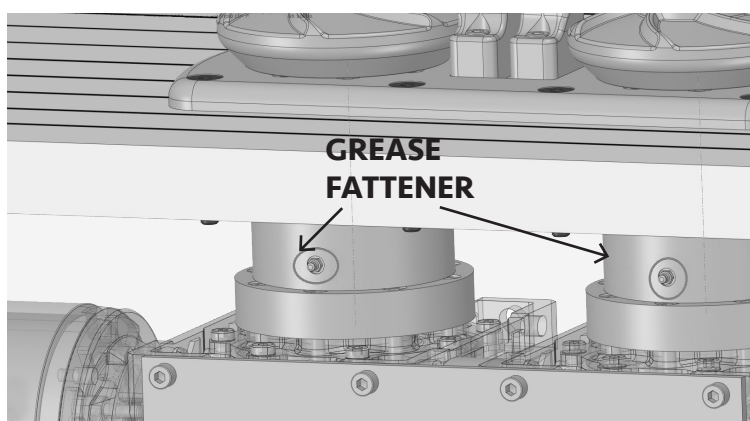
FINAL FIXING TO THE DECK

Prima del serraggio delle viti di posizione ⑦, inserire la guarnizione liquida tra il ponte e JOY come indicato al punto precedente 18).

Before fixing the screw of position ⑦, insert the liquid seal between the deck and JOY, as indicated at the previous point 18).



JOY B8A245



20) STEP FINALE

FINAL STEP

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

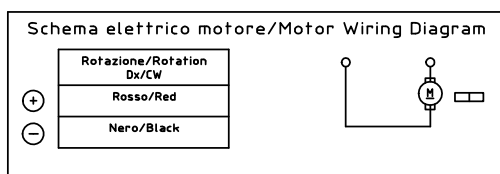
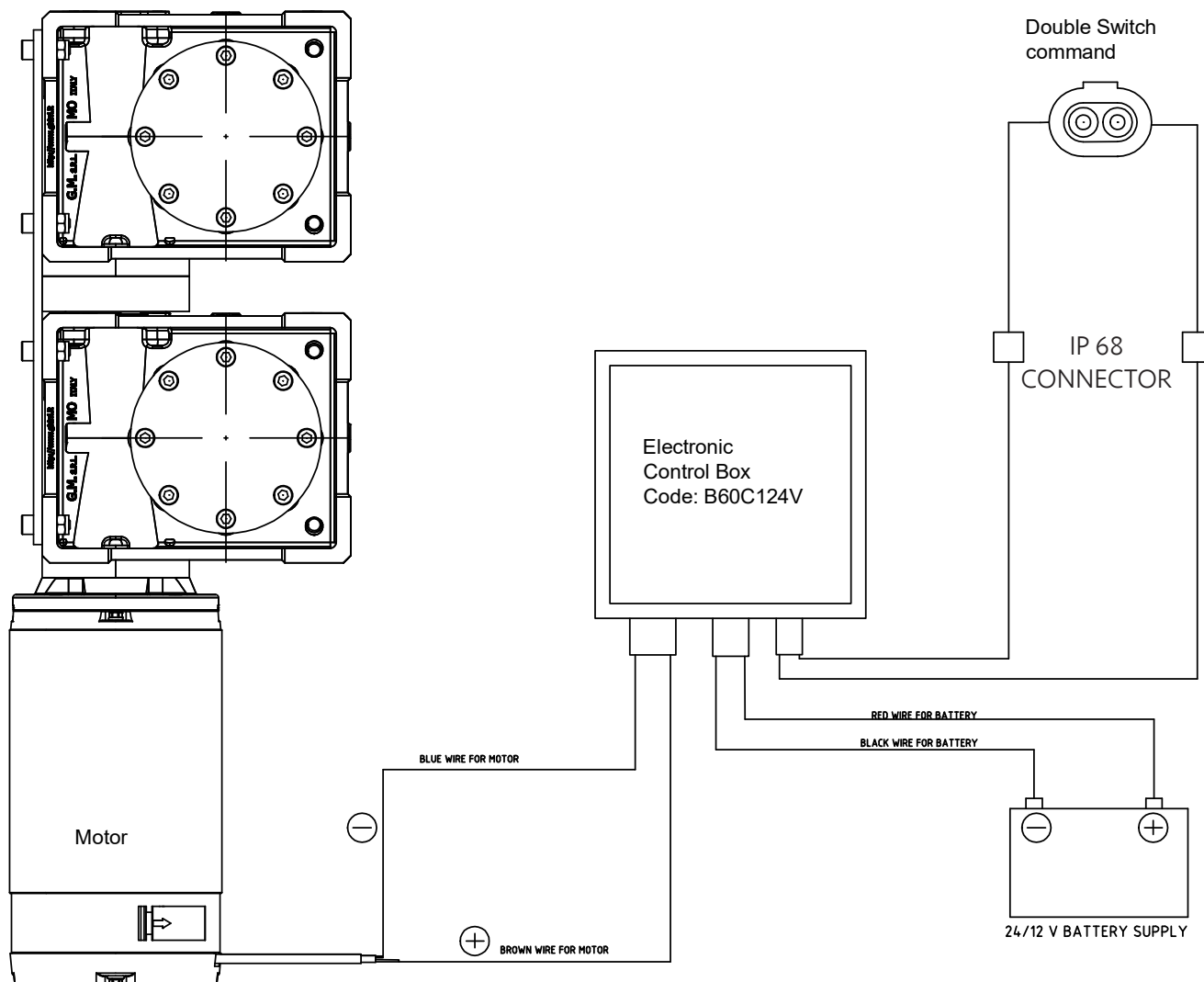
At the end, full fill the rotating shaft via fattener with the recommended gear grease listed.

COLLEGAMENTO ELETTRICO SECONDO SCHEMA

ELECTRICAL CONNECTION ACCORDING TO SCHEME

24V
B8A245H

JOY B8A245H



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 B8A245H

JOY B8A245H



MANUALE D'USO E MANUTENZIONE USE AND MAINTENANCE MANUAL

Manuale d'uso e Manutenzione

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

ATTENZIONE

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.

TYPOLOGY 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.

RISK TO BE READ CAREFULLY

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 clothes 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 electrical**

SAFETY

- **Keep the workplace clean and well lit. The cluttered and poorly lit spaces 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 its operation.**
- **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 especially to the people**

MAINTENANCE

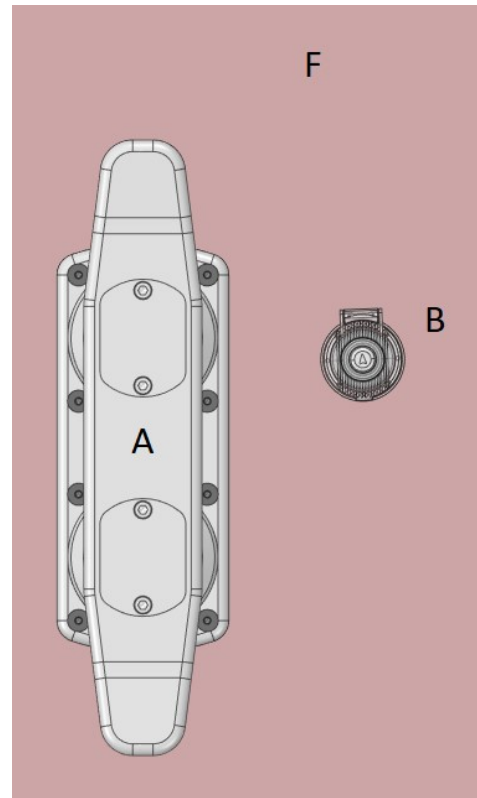
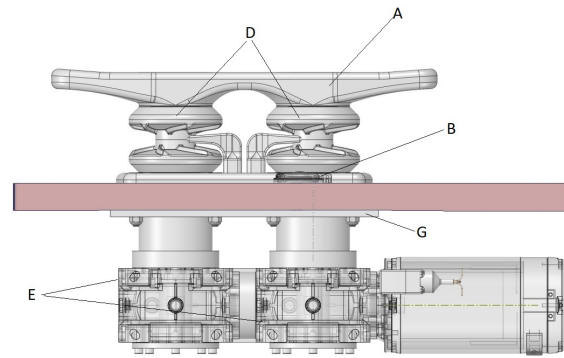
- Any repairs must be carried out by a qualified technician, who, we suggest, must use only original spare parts. Maintenance requires a two year verification of rotating parts and seals; annually insert the grease indicated on the vulcanized rubber seals in order to increase its life, grease the gearmotor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

GENERAL SAFETY REGULATIONS

- Before start controll the sense of rotation of the shaft in or-der 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 equip-ment .
- 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 ma-neuvering. .
- 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 avoi-ding to bring it to a condition of excessive tension and breaking, in order to avoid damage to things and expecially to people.
- BE AWARE THIS IS A MACHINE CAN DAMAGE THE PEOPLE**

SPECIFICHE

Model	B84245H
Volt DC:	24
Maximum Volt allowed:	29
Duty:	S2 30 min
Output Cable mm2	10
A:	48 F.F.:1
Watt:	1000
RPM to the slow down shaft:	60
Torsion to the slowing shaft:	260—270 Nm
Max speed :	8,6 m/min
Load in work on the reducer:	4900-5000 N 480-500 kg
Maximum load on gearbox:	1570-1970 N 1100-1200 kg
Ins.Class:	F
Protection:	IP 44
Olio Gearbox:	ISO 150 PA0
Weight tot:	95 kg
Mooring line Section mm :	36—44



(A)	Upper deck element
(B)	Foot Switch
©	Neutral rotating Pin
(D)	Motorized rotating Sel Tail
(E)	Underdeck Motorgearbox
(F)	Deck
(G)	Counter Plate for appliance deck fixing

IFORMAZIONI SUL PRODOTTO

- External part AISI 316L .
- Rotary part— secondary shaft—sealed bearing, primary shaft in grease immersion camera .
- Motorgearbox IP 44 .
- Connection interface coil installed in a sealed electrical box .
- Foot switch in printed polymer IP 67 .
- Gear motor shaft rotation parts with grease bath .
- Seals to water on rotating parts made of high-strength vulcani-zed rubber

GENERAL INFORMATION

For any request, contact the technical office of Bonomi srl

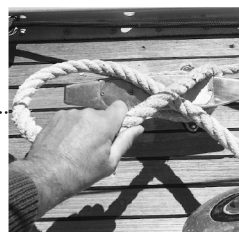
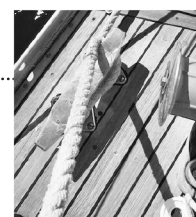
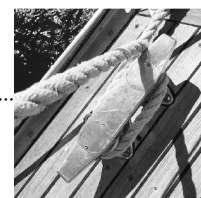
Head Office: Via Mario Pagano, 63 - 20145 Milano (MI)
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Mail: info@bonominet.it
Website: www.bonominet.it

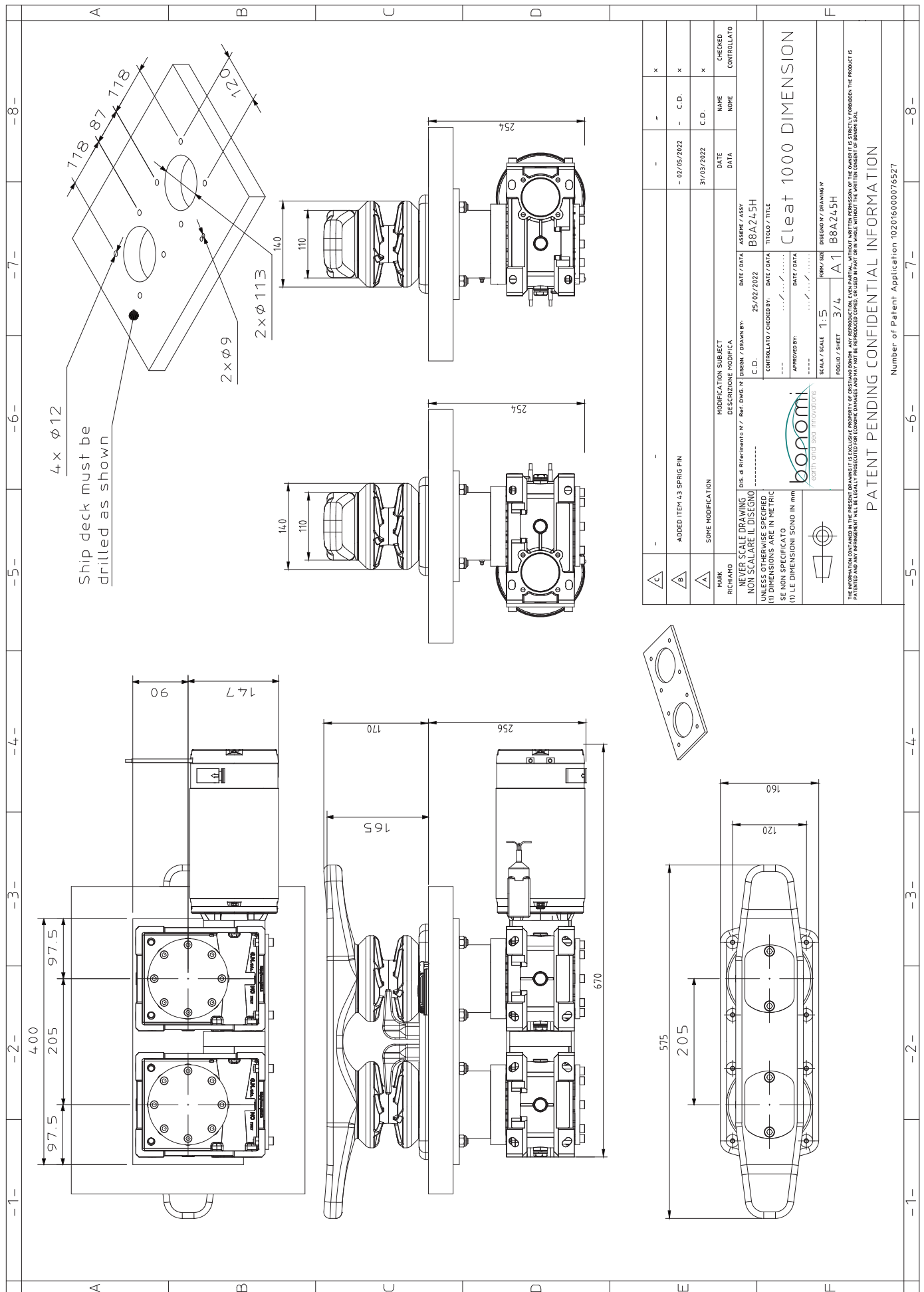
ASK FOR JOY IT WILL BE DELIVERD IN ANY PLACE!

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





FOR MORE INFO CONTACT US

www.bonominet.it

info@bonominet.it

GRAZIE PER LA VOSTRA FIDUCIA!

THANKS FOR YOUR TRUST!

