

JOY

The Self Tailing Cleat



PRODUCTS CATALOGUE
CATALOGUE PRODUITS



PASSION
PASSION

INNOVATION
INNOVATION

DEVELOPMENT
DÉVELOPPEMENT

**FOR A SAFE
AND SMOOTH MOORING,
YOU WANT TO HAVE
THIS UNIQUE
SELF TAILING CLEAT,
A FOOT TOUCH AND IT'S DONE!**

*POUR UN AMARRAGE SÛR ET RAPIDE
CE TAQUET SELF-TAILING SERA VOTRE
MEILLEUR ALLIÉ
UNE PRESSION AVEC LE PIED
ET LE TOUR EST JOUÉ!*

30TH
DAME
CATEGORY WINNER
2021

JOY The Self Tailing Cleat, in the category Deck equipment, sails and rigging, has been nominated by the jury for the DAME - Design Award 2021.

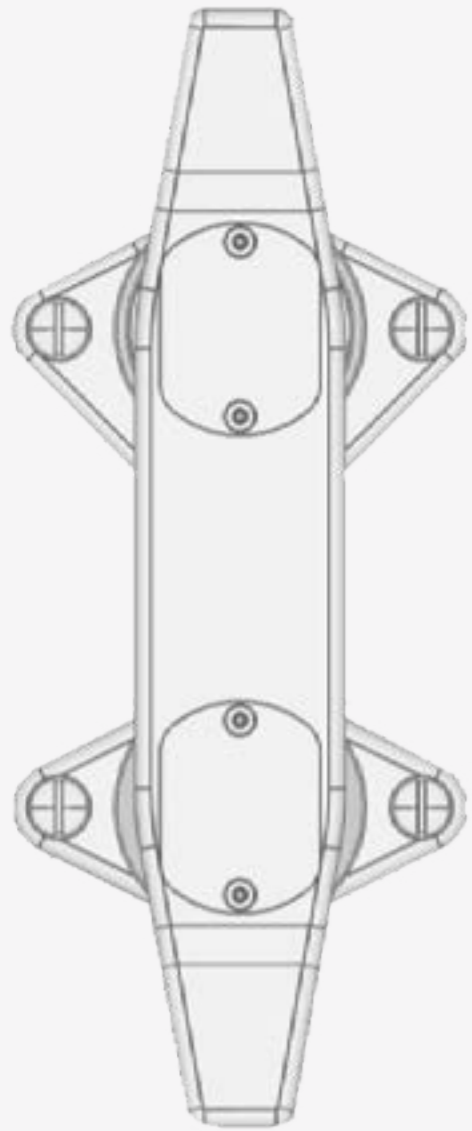
Le taquet self-tailing JOY a été nommé par le jury lors du DAME Design Award 2021, dans la catégorie "Équipement de pont, voiles et gréement"

JOY
The Self Tailing Cleat



The Self Tailing Cleat

- B1A241H ○ B1C241H
- B2A243H ○ B2C243H
- B3A121H ○ B3C121H
- B4A123H ○ B4C123H
- B6A248H
- B7A128H
- B2B124H
- B2B244H
- B8A245H



UPPER DECK ELEMENT
ÉLÉMENT PONT SUPÉRIEUR

MOTORIZED ROTATING SELF TAIL
SELF TAIL ROTATIF MOTORISÉ SELF

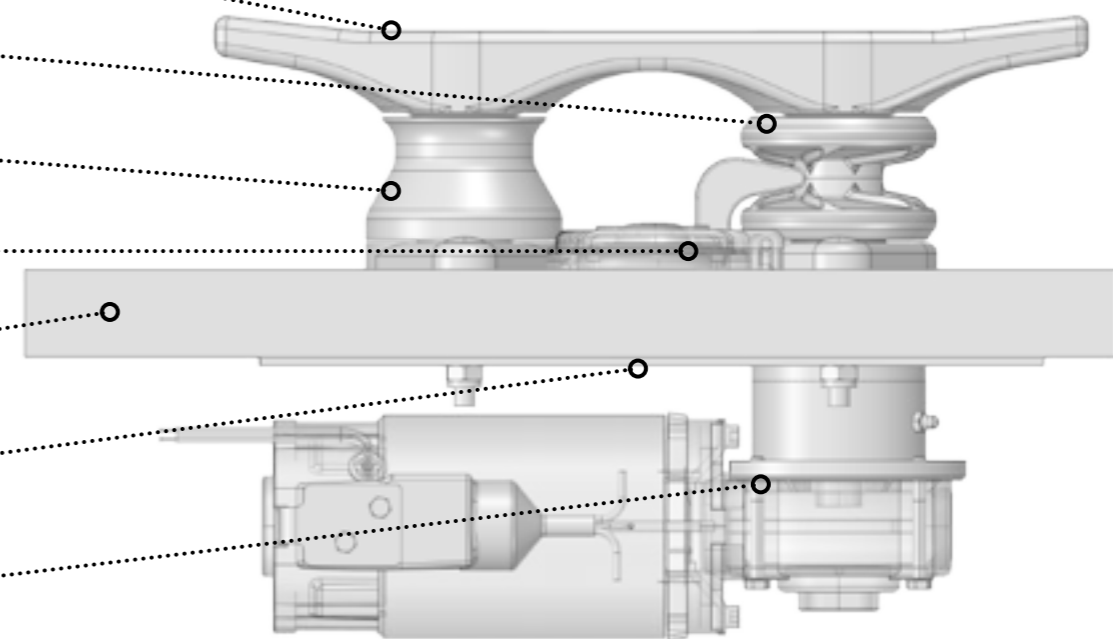
IDLE SPINDLE
BROCHE RALENTI

FOOTSWITCH
PÉDALE

DECK
PONT

COUNTER - PLATE (deck template)
CONTREPLAQUE (PONT MODÈLE)

UNDERDECK MOTORGearBOX
MOTEUR SOUS PONT



JOY is designed and realized in Stainless Steel AISI 316 L with particular attention in over dimensional protocol and attention to the sea side condition, it can be use for vessel from 35 to 150 feet. It is well utilized and installed in bow as in stern singularly or in couple.

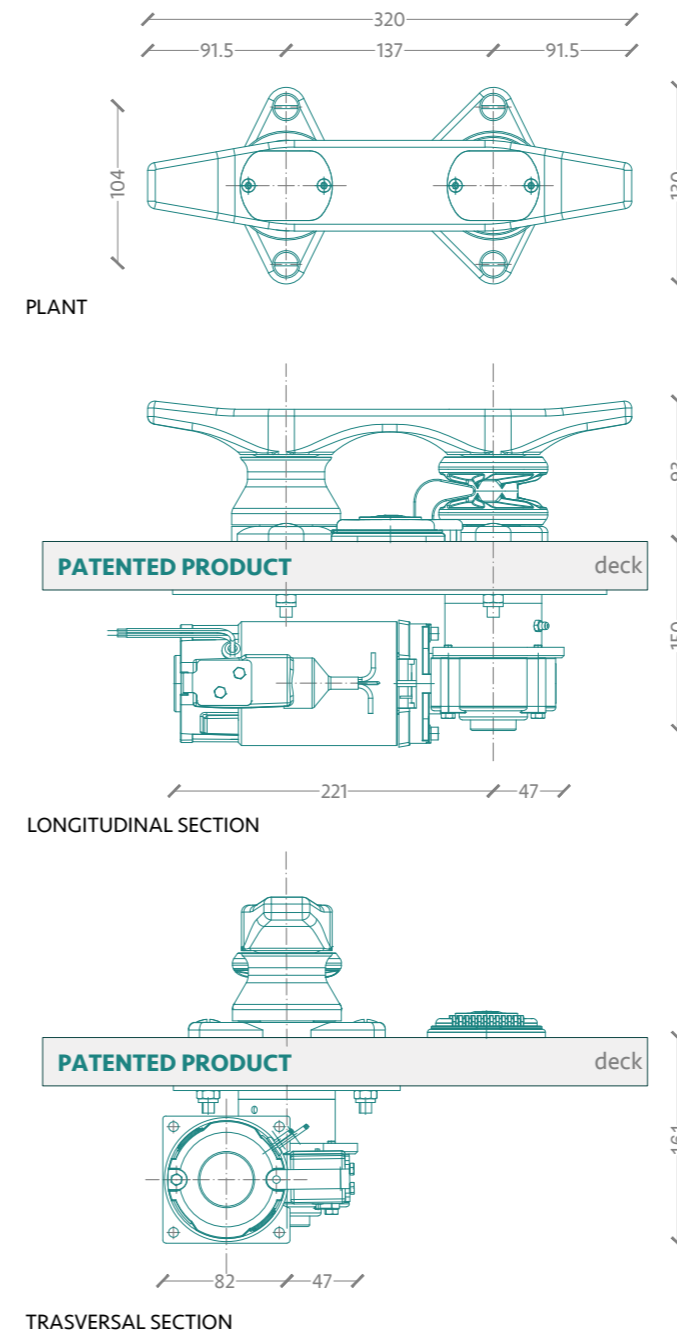
Joy est conçu et réalisé en acier inoxydable AISI 316 L. Il peut être utilisé pour les navires de 35 à 150 pieds. Il peut être utilisé et installé en proue et en poupe seul ou en couple.



TDS Model B1A241H



DIMENSIONS



TECHNICAL DATA

Model	B1A241H
Rated Voltage In	24 VDC
Power	230 W
Rated Load Current	12,5 A
Maximum Current Draw	40 A
Duty Cycle	S2 5 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,5 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	25-30 Nm
Load In Work On Gearbox	1078 N - 110 kg
Maximum Load On Gearbox	1600 N / 145-175 kg
Insulation Class	F
Gearbox Oil	ISO 150 PA0
Tot Weight	11,5 kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316L
Mooring Line Section Range	22mm - 30mm
Vessel Length (Suggested)	40-45 ft/ 12-15 mt
Vessel Weight (Suggested)	15-20 tons

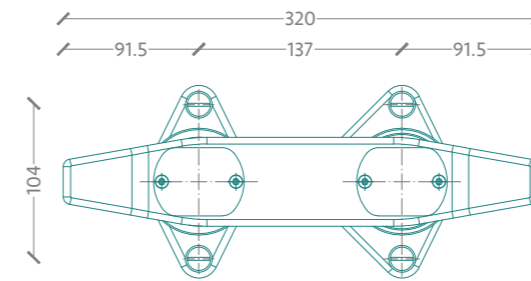
The Self Tailing Cleat



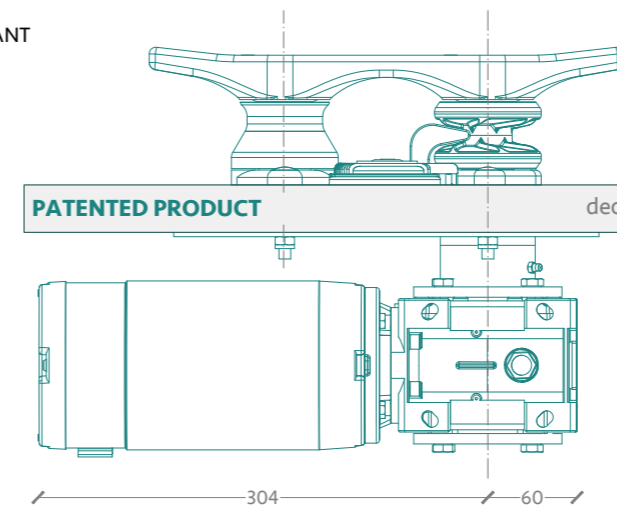
TDS Model B2A243H



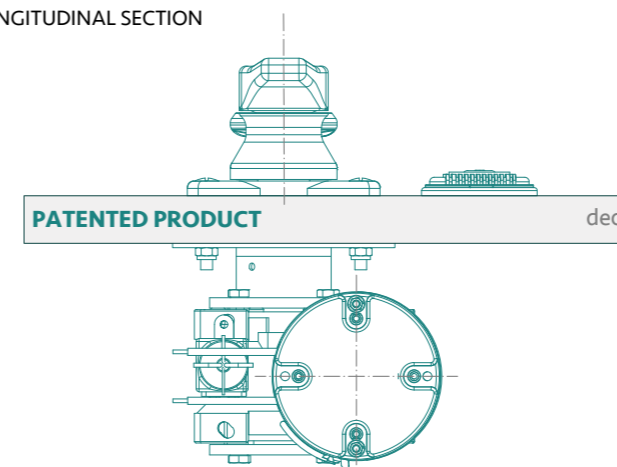
DIMENSIONS



PLANT



LONGITUDINAL SECTION



TRASVERSAL SECTION

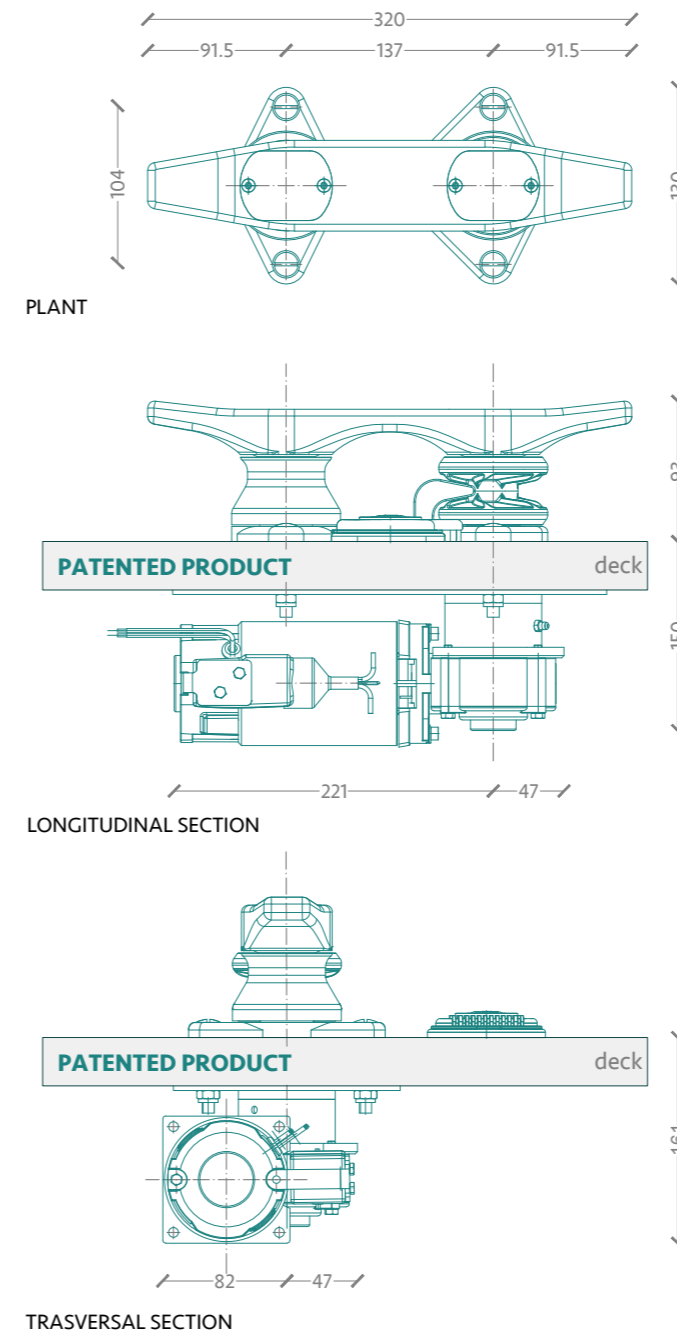
TECHNICAL DATA

Model	B2A243H
Rated Voltage In	24 VDC
Power	550 W
Rated Load Current	27 A
Maximum Current Draw	40 A
Duty Cycle	S2 30 min
IP Rating (Motor)	IP44
Maximum Rope Speed	8 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	78 Nm
Load In Work On Gearbox	3120 N - 318 kg
Maximum Load On Gearbox	6240 N / 600-630 kg
Insulation Class	F
Gearbox Oil	Shell Omala S4WE
Tot Weight	23 kg
Included Command	Single Way Footswitch
Material	Stainless steel AISI 316 L
Mooring Line Section Range	22mm- 30mm
Vessel Length (Suggested)	45-70 ft / 15-22 mt
Vessel Weight (Suggested)	20-30 tons

The Self Tailing Cleat



DIMENSIONS



TECHNICAL DATA

Model	B3A121H
Rated Voltage In	12 VDC
Power	230 W
Rated Load Current	25 A
Maximum Current Draw	40 A
Duty Cycle	S2 5 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,5 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	25-30 Nm
Load In Work On Gearbox	1100 N - 110 Kg
Maximum Load On Gearbox	1600 N / 145-175 Kg
Insulation Class	F
Gearbox Oil	ISO 150 PAO
Tot Weight	11,5 kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	22mm - 30mm
Vessel Length (Suggested)	40-45 ft / 12-15 mt
Vessel Weight (Suggested)	15-20 tons

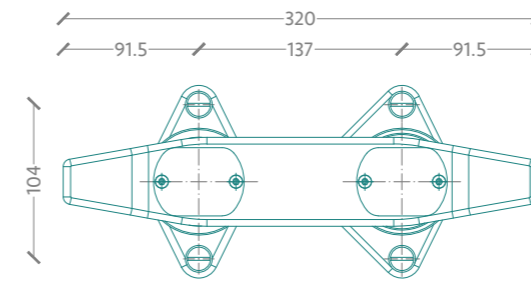
The Self Tailing Cleat



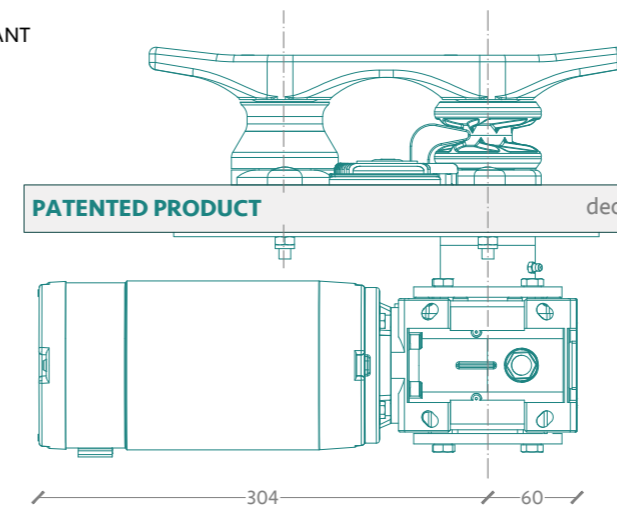
TDS Model B4A123H



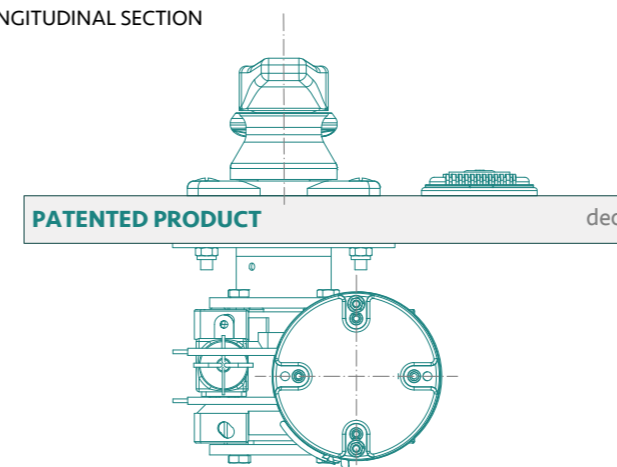
DIMENSIONS



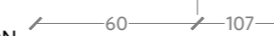
PLANT



LONGITUDINAL SECTION



TRASVERSAL SECTION



TECHNICAL DATA

Model	B4A123H
Rated Voltage In	12 VDC
Power	550 W
Rated Load Current	57 A
Maximum Current Draw	60 A
Duty Cycle	S2 30 min
IP Rating (Motor)	IP44
Maximum Rope Speed	8 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	78 Nm
Load In Work On Gearbox	3120 N- 318 kg
Maximum Load On Gearbox	6240 N / 600-630 kg
Insulation Class	F
Gearbox Oil	Shell Omala S4WE
Tot Weight	23 kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	22mm - 30mm
Vessel Length (Suggested)	45-70 ft/ 15-22 mt
Vessel Weight (Suggested)	20-30 tons

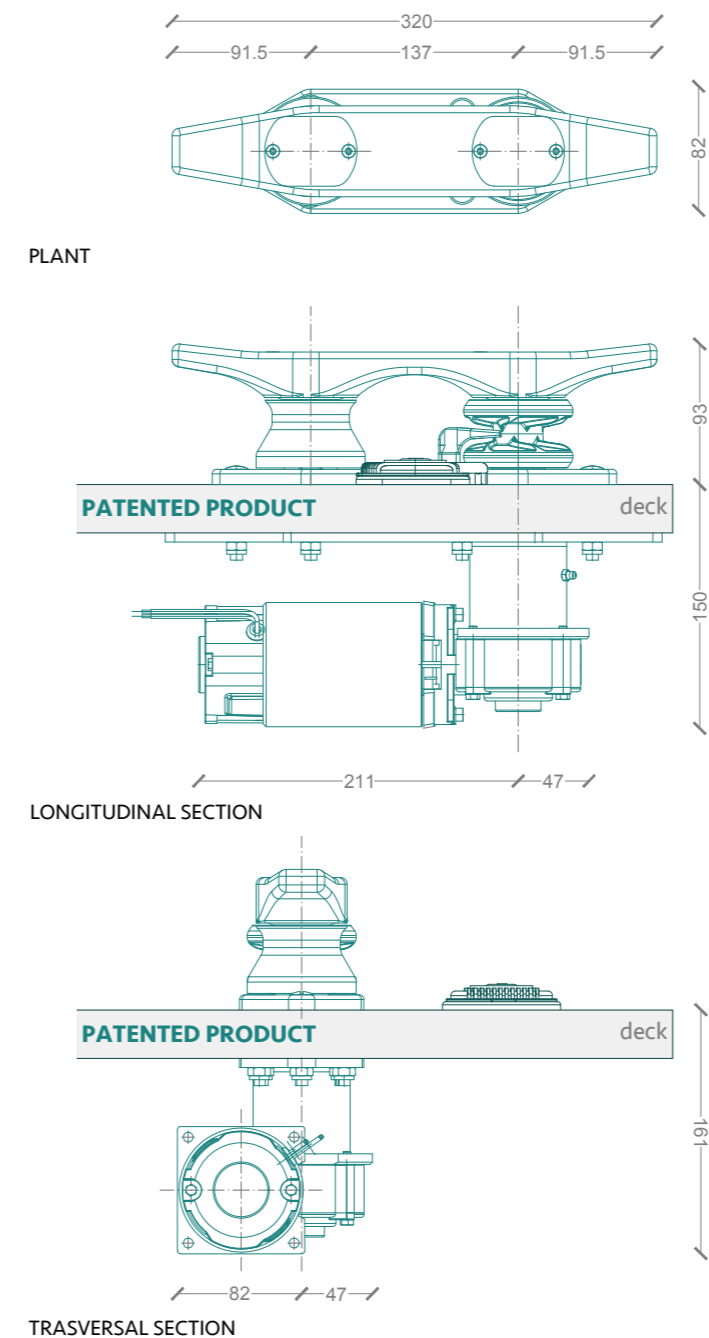
The Self Tailing Cleat



TDS Model B1C241H



DIMENSIONS



TECHNICAL DATA

Model	B1C241H
Rated Voltage In	24 VDC
Power	230 W
Rated Load Current	12,5 A
Maximum Current Draw	40 A
Duty Cycle	S2 5 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,5 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	25-30 Nm
Load In Work On Gearbox	1078 N- 110 kg
Maximum Load On Gearbox	1600 N / 145-175 kg
Insulation Class	F
Gearbox Oil	ISO 150 PA0
Tot Weight	11,5 kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	22mm - 30mm
Vessel Length (Suggested)	40-45 ft / 12-15 mt
Vessel Weight (Suggested)	15-20 tons

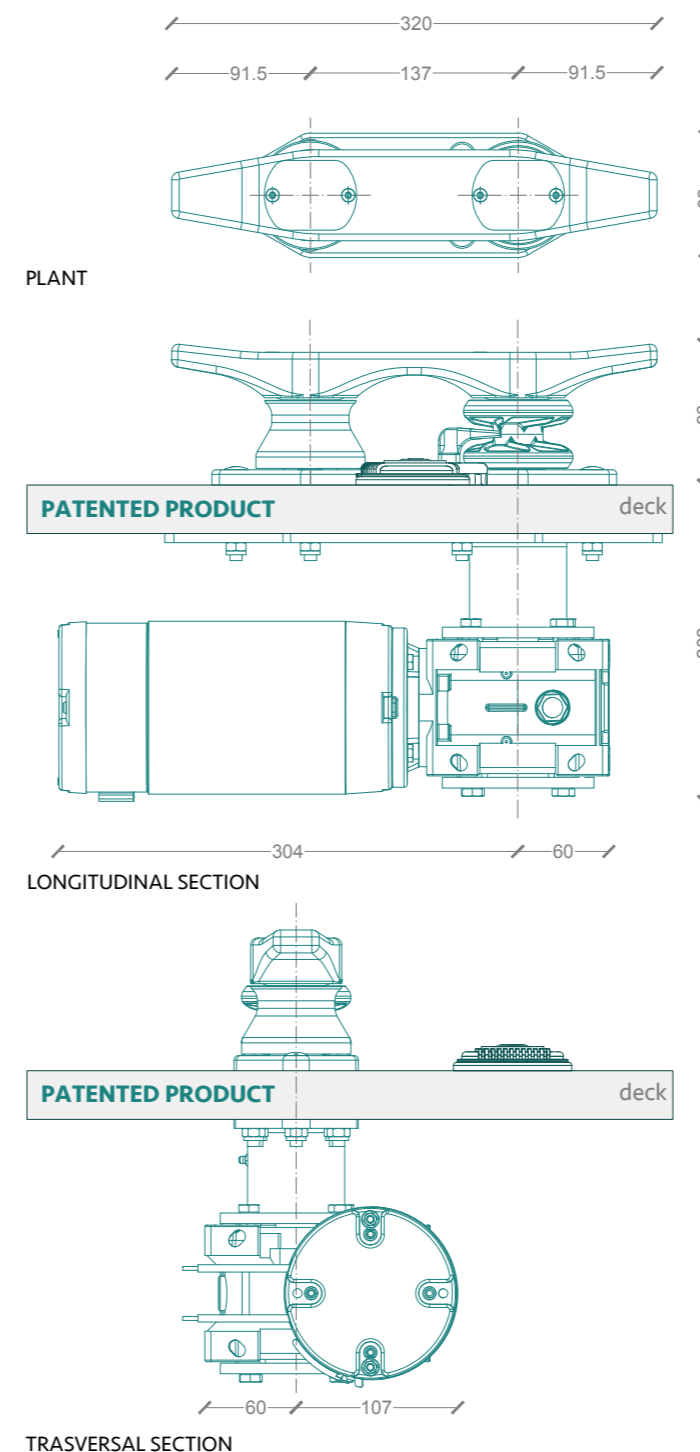
The Self Tailing Cleat



TDS Model B2C243H



DIMENSIONS



TECHNICAL DATA

Model	B2C243H
Rated Voltage In	24 VDC
Power	550 W
Rated Load Current	27 A
Maximum Current Draw	40 A
Duty Cycle	S2 30 min
IP Rating (Motor)	IP44
Maximum Rope Speed	8 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	78 Nm
Load In Work On Gearbox	3120 N- 318 kg
Maximum Load On Gearbox	6240 N / 600-630 kg
Insulation Class	F
Gearbox Oil	Shell Omala S4WE
Tot Weight	23 kg
Included Command	Single Way Footswitch
Material	Stainless steel AISI 316 L
Mooring Line Section Range	22mm - 30mm
Vessel Length (Suggested)	45-70 ft/ 15-22 mt
Vessel Weight (Suggested)	20-30 tons

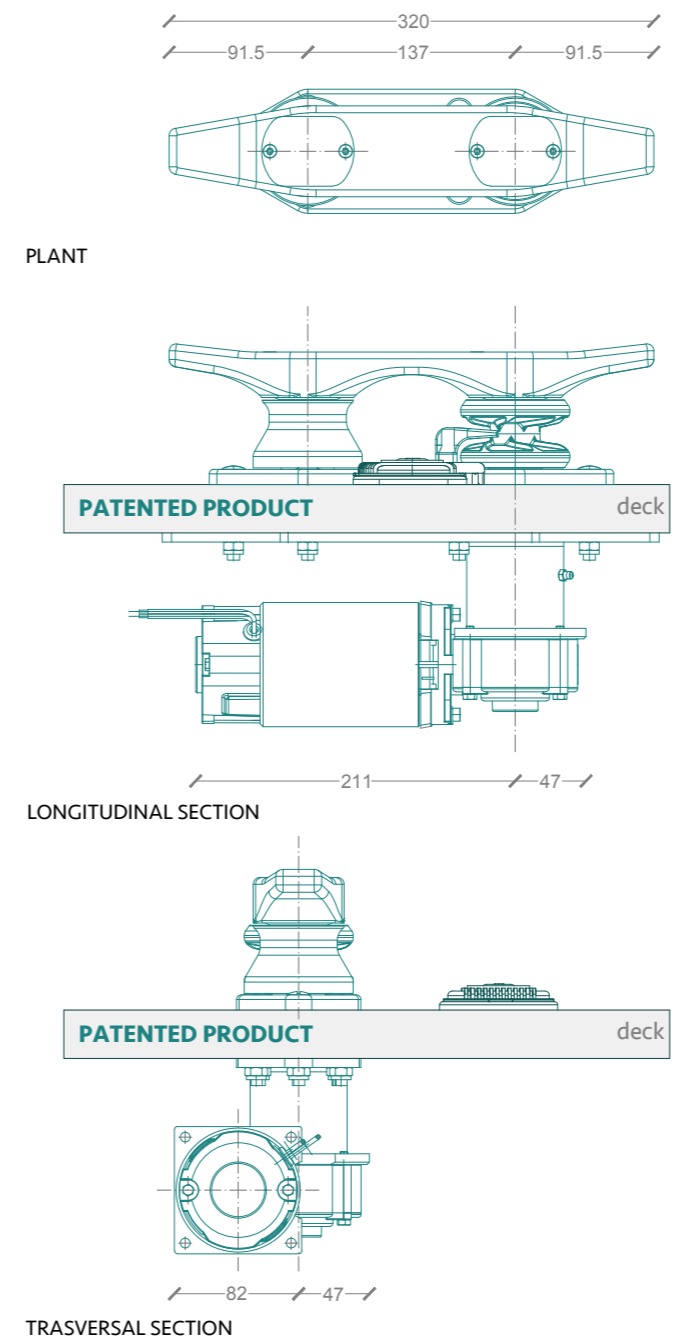
The Self Tailing Cleat



TDS Model B3C121H



DIMENSIONS



TECHNICAL DATA

Model	B3C121H
Rated Voltage In	12 VDC
Power	230 W
Rated Load Current	25 A
Maximum Current Draw	40 A
Duty Cycle	S2 5 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,5 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	25-30 Nm
Load In Work On Gearbox	1100 N - 110 kg
Maximum Load On Gearbox	1600 N / 145-175 kg
Insulation Class	F
Gearbox Oil	ISO 150 PAO
Tot Weight	11,5 kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	22mm - 30mm
Vessel Length (Suggested)	40-45 ft / 12-15 mt
Vessel Weight (Suggested)	15-20 tons

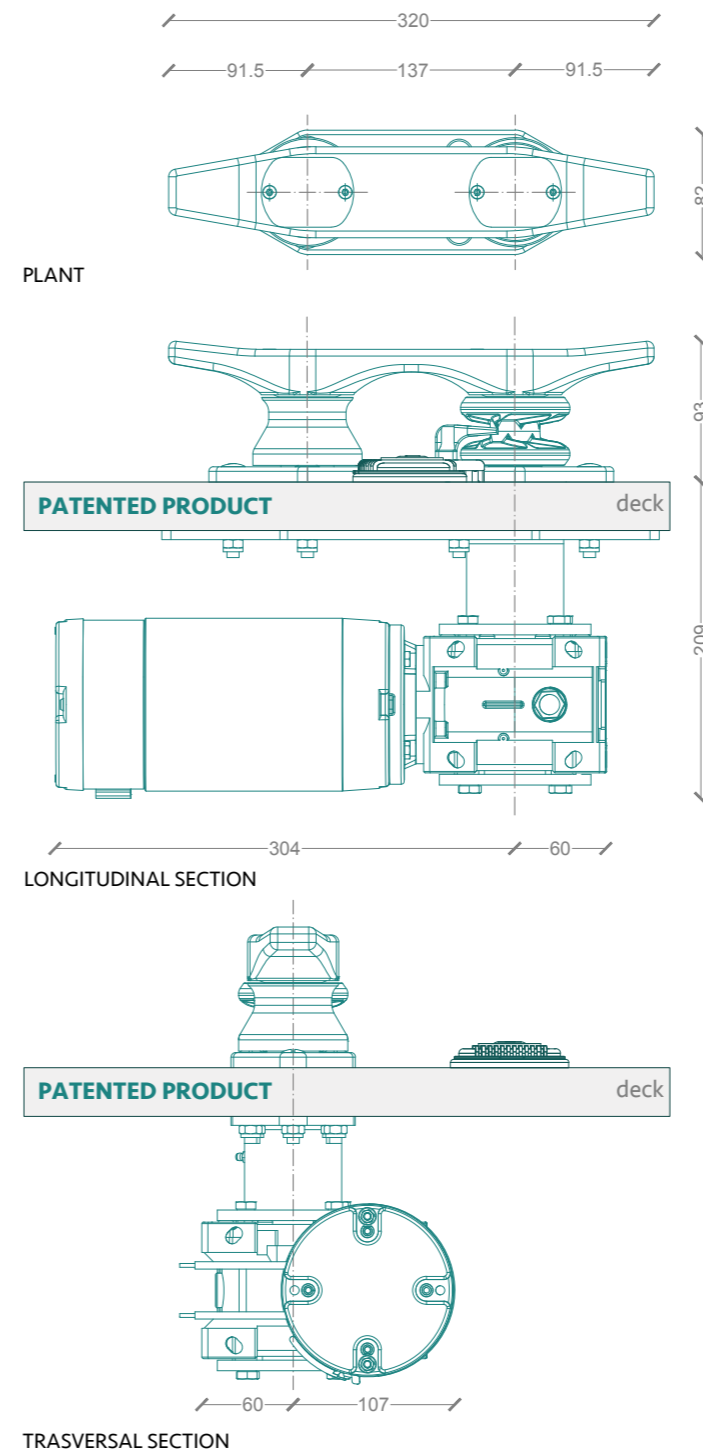
The Self Tailing Cleat



TDS Model B4C123H



DIMENSIONS



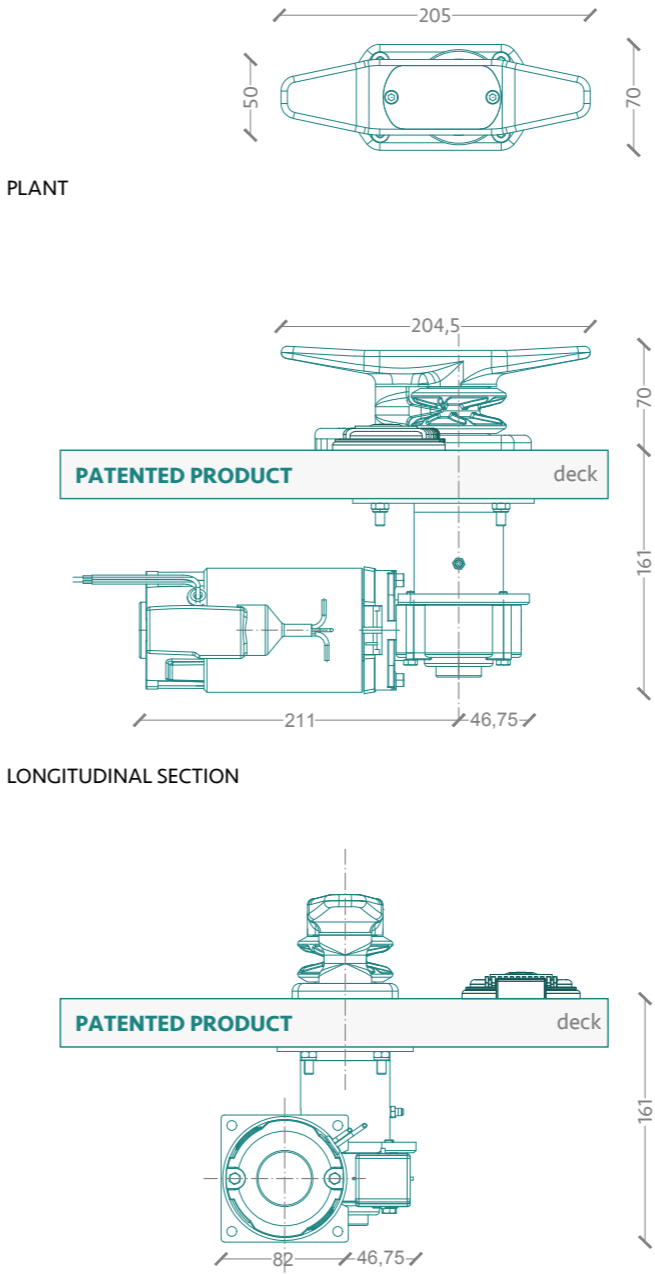
TECHNICAL DATA

Model	B4C123H
Rated Voltage In	12 VDC
Power	550 W
Rated Load Current	57 A
Maximum Current Draw	60 A
Duty Cycle	S2 30 min
IP Ratin (Motor)	IP44
Maximum Rope Speed	8 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	78 Nm
Load In Work On Gearbox	3120 N - 318 kg
Maximum Load On Gearbox	6240 N / 600-630kg
Insulation Class	F
Gearbox Oil	Shell Omala S4WE
Maximum current absorbed	60 A
Tot Weight	23 kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	22mm - 30mm
Vessel Length (Suggested)	45-70 ft/ 15-22 mt
Vessel Weight (Suggested)	20-30 tons

The Self Tailing Cleat



DIMENSIONS



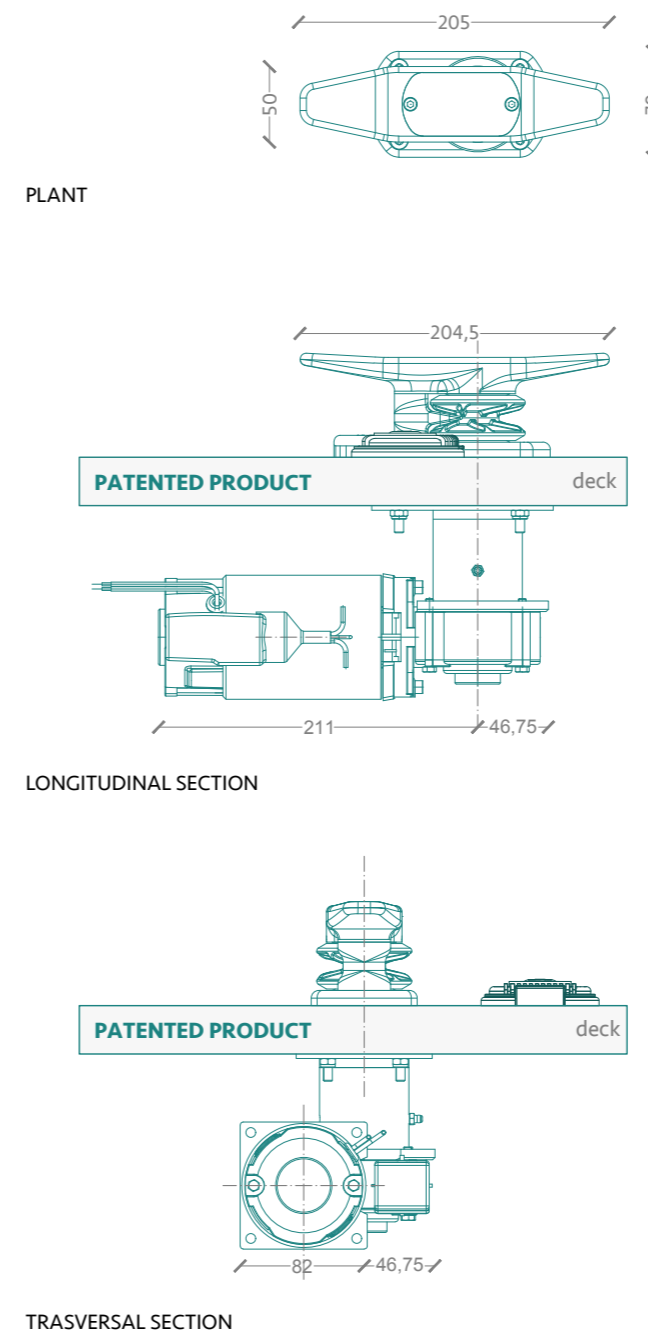
TECHNICAL DATA

Model	B6A248H
Rated Voltage In	24 VDC
Power	230 W
Rated Load Current	12,5 A
Maximum Current Draw	40 A
Duty Cycle	S2 5 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,5 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	25-30 Nm
Load In Work On Gearbox	800 N / 80-85 kg
Maximum Load On Gearbox	1370-1570 N - 160-200 kg
Insulation Class	F
Gearbox Oil	ISO 150 PAO
Tot Weight	6 Kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316 L
Mooring Line section Range	15mm - 20mm
Vessel Length (Suggested)	30-40 ft / 9-12 mt
Vessel Weight (Suggested)	10-15 tons

The Self Tailing Cleat



DIMENSIONS



TECHNICAL DATA

Model	B7A128H
Rated Voltage In	12 VDC
Power	14
Rated Load Current	25 A
Maximum Current Draw	40 A
Duty Cycle	S2 5 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,0 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	25-30 Nm
Load In Work On Gearbox	800 N / 80-85 kg
Insulation Class	F
Gearbox Oil	ISO 150 PAO
Tot Weight	9,5 Kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	15mm - 20mm
Vessel Length (Suggested)	30-40 ft / 9-12 mt
Vessel Weight (Suggested)	10-15 tons

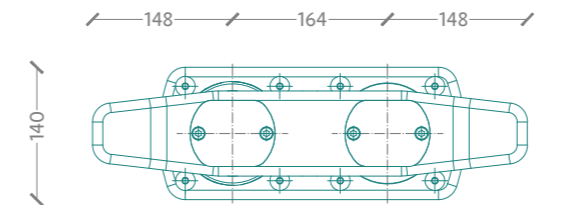
The Self Tailing Cleat



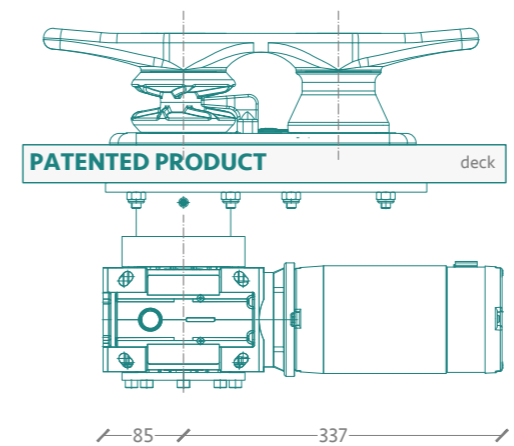
TDS Model B2B124H



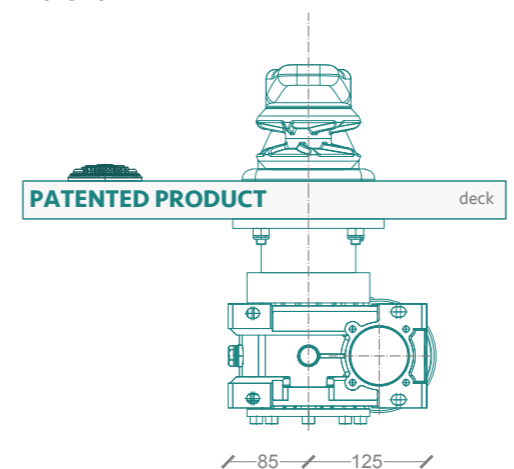
DIMENSIONS



PLANT



LONGITUDINAL SECTION



TRASVERSAL SECTION

TECHNICAL DATA

Model	B2B124H
Rated Voltage In	12 VDC
Power	550 W
Rated Load Current	57 A
Maximum Current Draw	60 A
Duty Cycle	S2 30 min
IP Rating (Motor)	IP44
Maximum Rope Speed	4,7 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	78 Nm
Load In Work On Gearbox	4000 N / 400-410 kg
Maximum Load On Gearbox	7848 N - 800 kg
Insulation Class	F
Gearbox Oil	ISO 150 PAO
Maximum current absorbed	60 A
Tot Weight	52 Kg
Included Command	B60C124V
Material	AISI 316 L
Mooring Line Section Range	25mm-35mm
Vessel Length (Suggested)	70-95 ft / 22-30 mt
Vessel Weight (Suggested)	30-40 tons

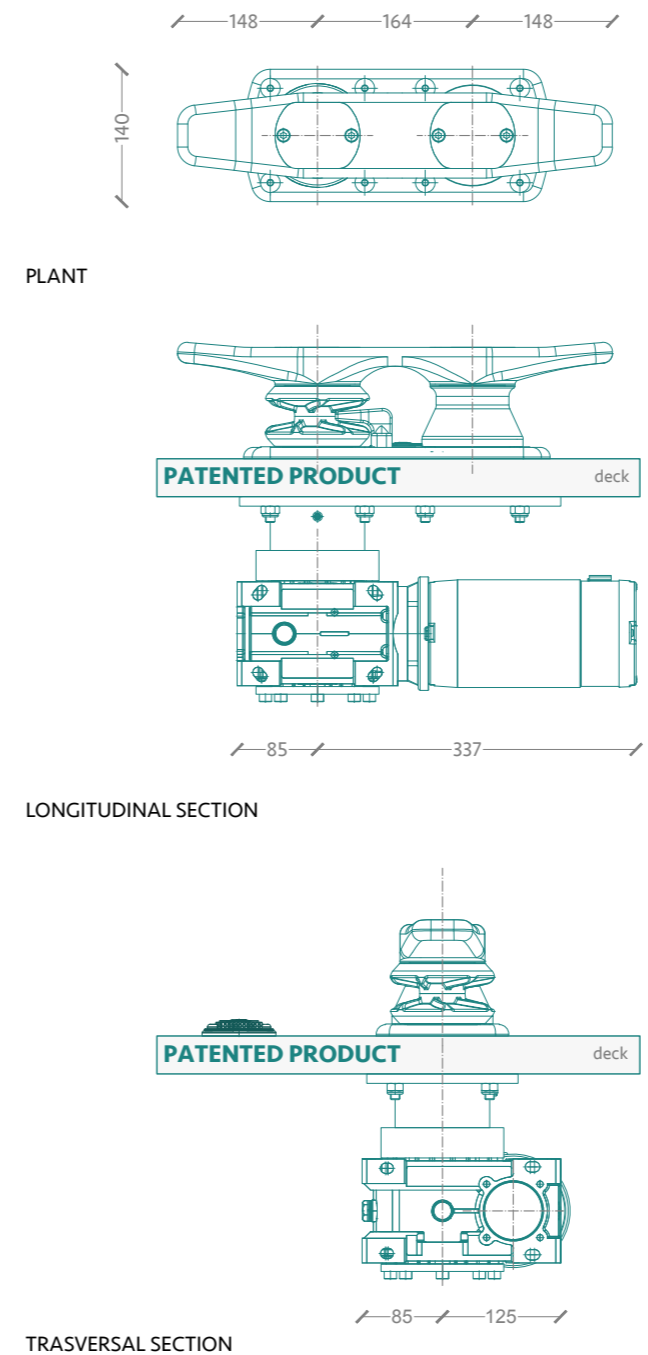
The Self Tailing Cleat



TDS Model B2B244H



DIMENSIONS



TECHNICAL DATA

Model	B2B244H
Rated Voltage In	24 VDC
Power	550 W
Rated Load Current	27 A
Maximum Current Draw	40 A
Duty Cycle	S2 30 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,8 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	260- 270 Nm
Load On Work On Gearbox	4000 N / 400-410 kg
Maximum Load On Gearbox	7848 N - 800 kg
Insulation Class	F
Gearbox Oil	ISO 150 PAO
Tot Weight	52 Kg
Included Command	B40C124V
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	25mm-35mm
Vessel Length (Suggested)	70-95 ft / 22-30 mt
Vessel Weight (Suggested)	30-40 tons

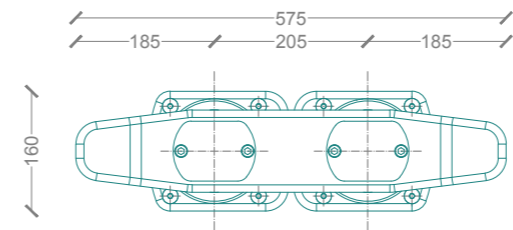
The Self Tailing Cleat



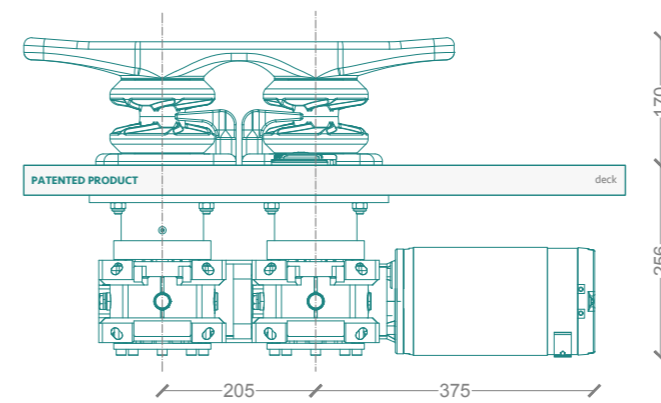
TDS Model B8A245H



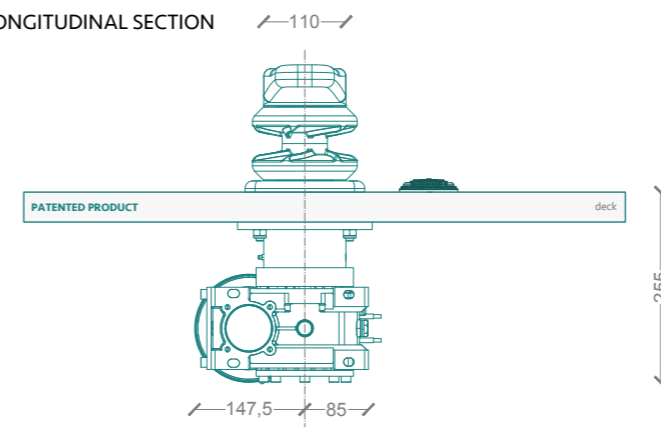
DIMENSIONS



PLANT



LONGITUDINAL SECTION



TRASVERSAL SECTION

TECHNICAL DATA

Model	B8A245H
Rated Voltage In	24 VDC
Power	1000 W
Rated Load Current	48 A
Maximum Current Draw	100 A
Duty Cycle	S2 5 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,5 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	274 Nm
Load In Work On Gearbox	5468 N - 587 kg
Maximum Load On Gearbox	9800 N / 1000 kg
Insulation Class	F
Gearbox Oil	ISO 150 PAO
Tot Weight	99 kg
Included Command	B100C124V
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	35mm - 44mm
Vessel Length (Suggested)	100-150 ft/ 30-45 mt
Vessel Weight (Suggested)	40-80 tons

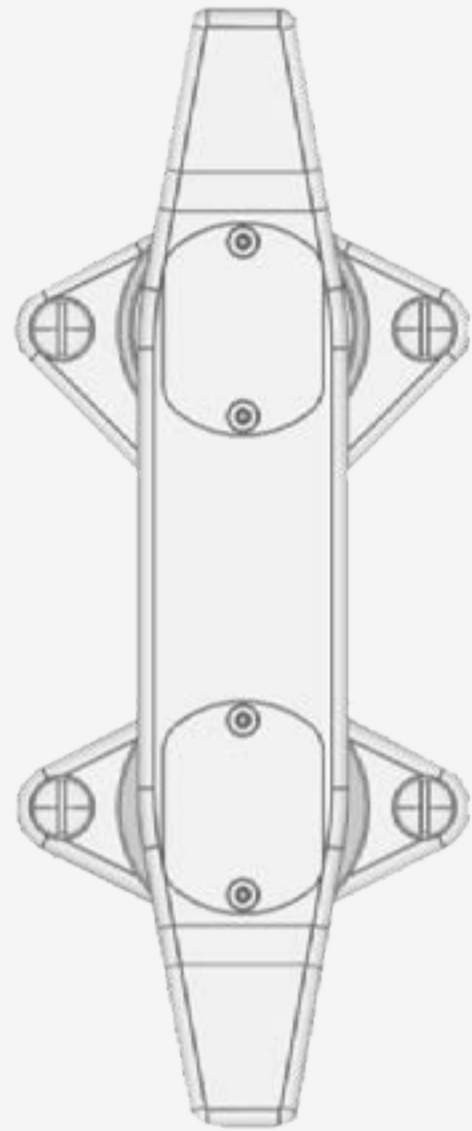
The Self Tailing Cleat



The Self Tailing Cleat

custom made product

- B6A241T
- B6B121T



UPPER DECK ELEMENT
ÉLÉMENT PONT SUPÉRIEUR

MOTORIZED ROTATING SELF TAIL
SELF TAIL ROTATIF MOTORISÉ

IDLE SPINDLE
BROCHE RALENTI

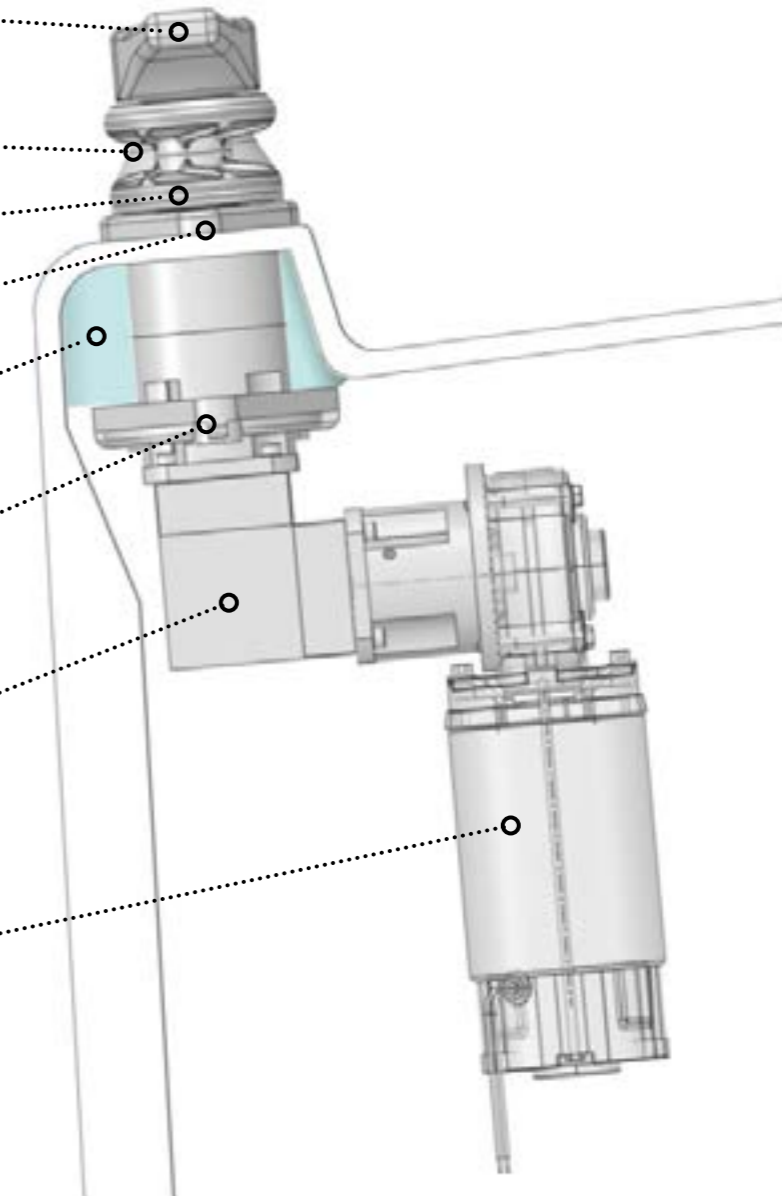
UNIQUE BASE FIXED ON THE GUNWAIL
BASE UNIQUE FIXÉE SUR LE PLAT-BORD

AREA TO BE REINFORCED
ZONE À RENFORCER

STRUCTURAL COUNTER PLATE
CONTRE-PLAQUE STRUCTURELLE

GEAR BOX FOR 90° TRANSMISSION
BOÎTE DE VITESSE MOTEUR SOUS PONT

UNDERDECK MOTORGearBOX
MOTEUR SOUS PONT



JOY is designed and realized in stainless steel AISI 316 L with particular attention in over dimensional protocol and to the sea side condition.

It can be use for vessel from 35 to 70 feet.

T model may need customized by us and is realized to install JOY on the GUNWAIL

Joy est conçu et réalisé en acier inoxydable AISI 316 L.

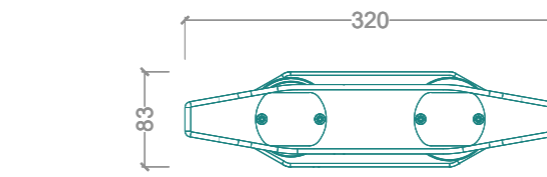
Il peut être utilisé pour les navires de 35 à 70 pieds.

Le modèle T peut avoir besoin d'être personnalisé par nous et il est réalisé pour installer JOY sur le plat-bord.

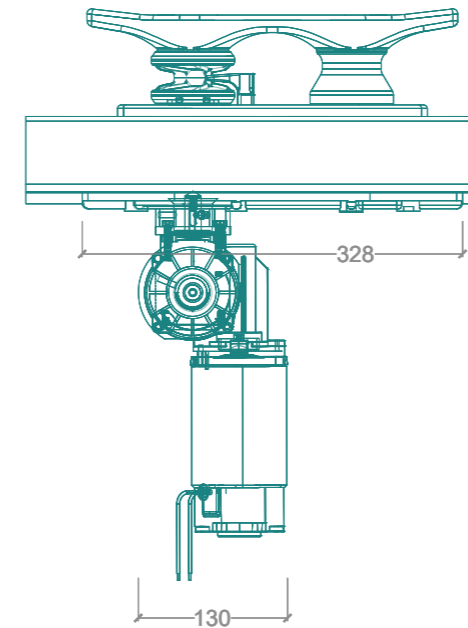




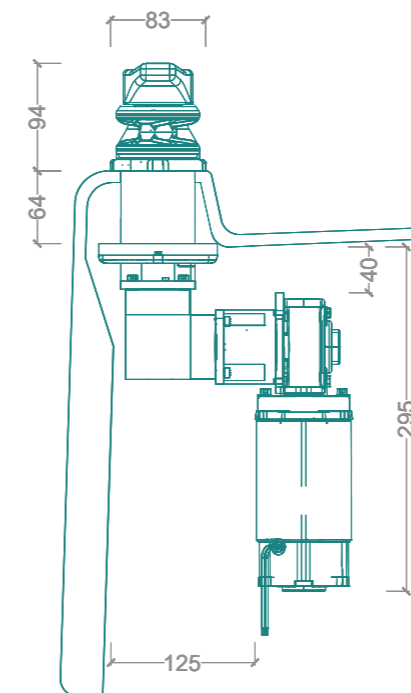
DIMENSIONS



PLANT



LONGITUDINAL SECTION



TRASVERSAL SECTION



TECHNICAL DATA

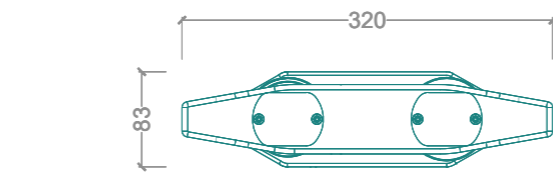
Model	B6A241T
Rated Voltage In	24 VDC
Power	230 W
Rated Load Current	12,5 A
Maximum Current Draw	40 A
Duty Cycle	S2 5 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,5 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	260- 270 Nm
Load In Work On Gearbox	4000 N / 400-410 kg
Maximum Load On Gearbox	1600 N / 145-175 kg
Insulation Class	F
Gearbox Oil	ISO 150 PA0
Tot Weight	11,5 kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	22mm - 30mm
Vessel Length (Suggested)	40-45 ft/ 12-15 mt
Vessel Weight (Suggested)	15-20 tons

The Self Tailing Cleat
(custom made product)

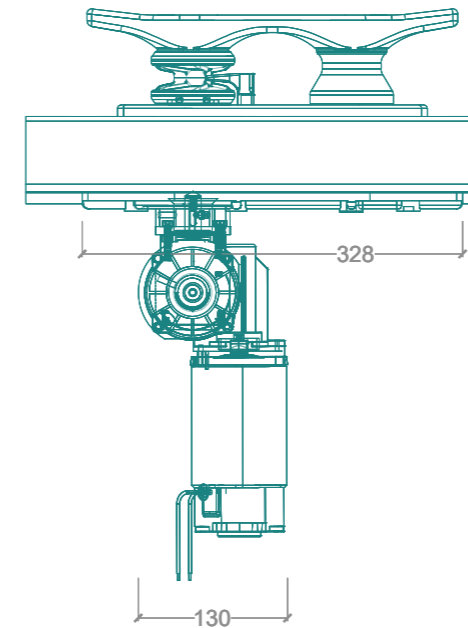


TDS Model B6A121T

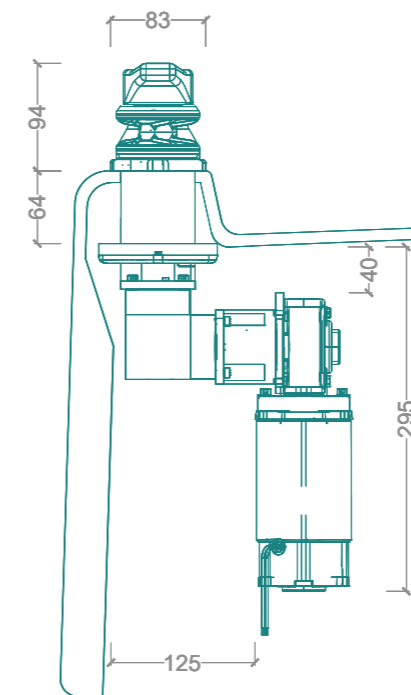
DIMENSIONS



PLANT



LONGITUDINAL SECTION



TRASVERSAL SECTION



TECHNICAL DATA

Model	B6A121T
Rated Voltage In	12 VDC
Power	230 W
Rated Load Current	25 A
Maximum Current Draw	40 A
Duty Cycle	S2 5 min
IP Rating (Motor)	IP44
Maximum Rope Speed	6,5 M/Min
Output Shaft Speed	60 RPM
Output Shaft Torque	25-30 Nm
Load In Work On Gearbox	1100 N - 110 kg
Maximum Load On Gearbox	1600 N / 145-175 kg
Insulation Class	F
Gearbox Oil	ISO 150 PAO
Tot Weight	11,5 kg
Included Command	Single Way Footswitch
Material	Stainless Steel AISI 316 L
Mooring Line Section Range	22mm - 30mm
Vessel Length (Suggested)	40-45 ft / 12-15 mt
Vessel Weight (Suggested)	15-20 tons

The Self Tailing Cleat
(custom made product)



Switches

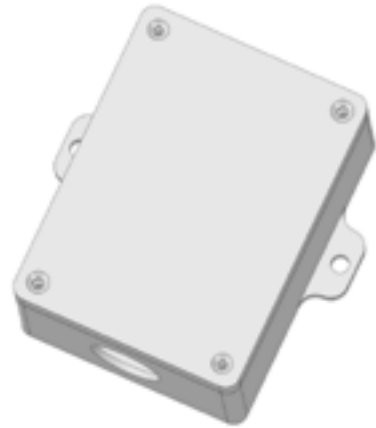
- B4B12V
- B4C12V

INNOVATION

This Foot Switch family are designed in a new concept of switch.

IT IS UNIQUE

The electrical activation arrives by a magnetic field. A magnet is integrated in the head of the rubber button, by pressing it, the magnet approaches the completely resin-coated integrated electronic board. THE SWITCH HAS A VERY HIGH PROTECTION FROM ANY UMIDITY-OXIDATION-OR WATER INNER.

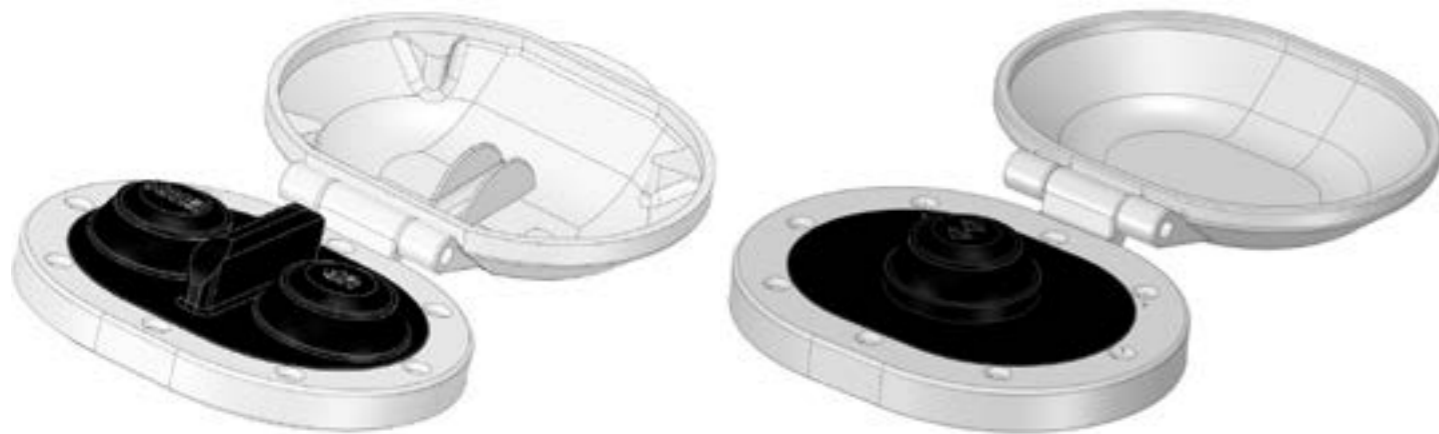
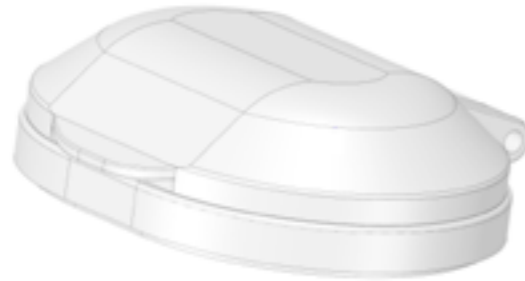


INNOVATION

Cette famille de pédales est conçue selon un nouveau concept d'interrupteur.

C'EST UNIQUE

L'activation électrique se fait par l'intermédiaire d'un champ magnétique. Un aimant est intégré dans la tête du bouton en caoutchouc, en appuyant dessus, l'aimant s'approche de la carte électronique intégrée entièrement recouverte de résine. L'INTERRUPTEUR A UNE TRÈS HAUTE PROTECTION CONTRE L'HUMIDITÉ, L'OXYDATION OU L'EAU À L'INTÉRIEUR.

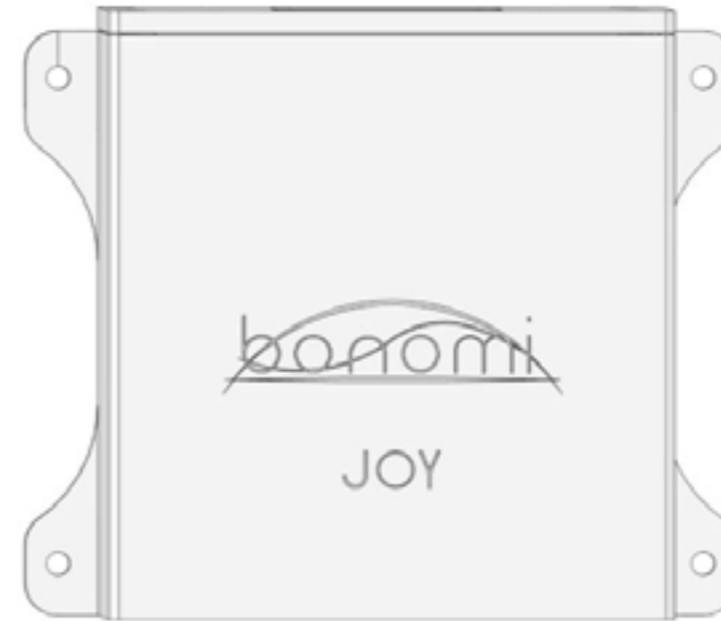


Created for Joy but not only, these double and single switches with their dedicated control box allow to control any DC motor. The Double switch can activate the motor in cw and ccw rotation. The Single switch can activate any motor.

Créés pour Joy, mais pas seulement, ces interrupteurs doubles et simples avec leur boîtier de commande dédié permettent de contrôler n'importe quel moteur à courant continu. L'interrupteur double peut activer le moteur en rotation droite et gauche. L'interrupteur simple peut activer n'importe quel moteur.

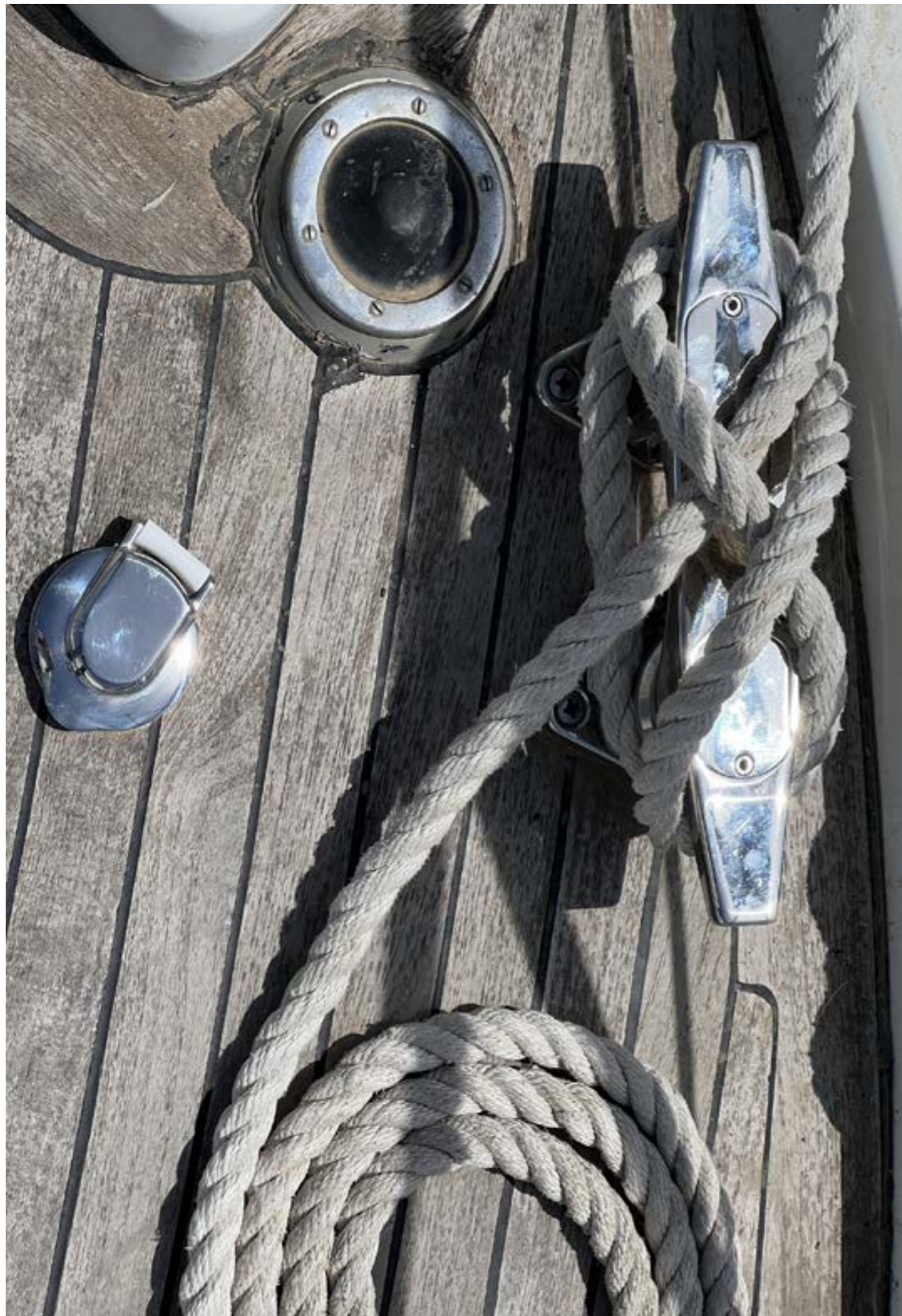
This Double switch and His Electronic Control box are created for JOY as Optional. It can be installed as double command to activate the motor in Cw and CCW rotation

Ce double interrupteur et son boîtier de contrôle électronique sont créés pour JOY en tant qu'option. Il peut être installé comme double commande pour activer le moteur en rotation Cw et CCW.



Electronic Control Unit and Double Switch

- B4ØC124V
- B6ØC124V

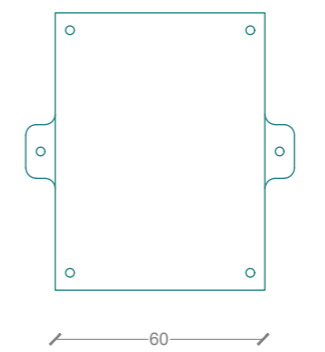


TDS Model B4B12V

DIMENSIONS

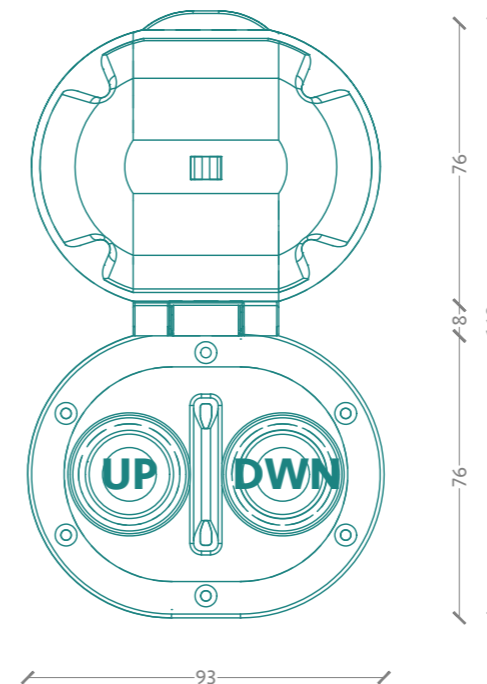
CONTROL BOX

FRONT SIDE

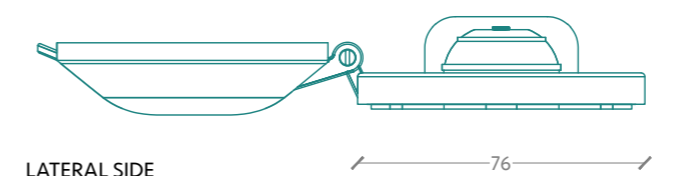


LATERAL SIDE

DOUBLE SWITCH



PLANT



LATERAL SIDE



TECHNICAL DATA

Model	B4B12V
Power Supply Voltage	12VDC- 24VDC
Maximum Contact Voltage	200VDC- 140VDC
Contact Max Current Rating	10 A
IP Rating	IP68
Footswitch Wire Length	20cm
Switchbox Wire Length	1m
Switchbox Material	Plastic
Footswitch Material	Stainless Steel AISI 316 L
Tot Weight	0,2 kg

The product allows to:

This is a high-performance double footswitch integrated in one product is delivered to the customer with his control box and is able to activate any DC motor to choose the cw or ccw rotation. The B4B12V provides a reliable and intuitive operation, allowing boaters to control their equipment safely and efficiently. With its suggested construction and advanced features, the product is the ideal solution for a wide range of marine applications.

Pay attention to the electrical connection the Double Switch - have only 10 mA
- never connect the switch without its control unit!

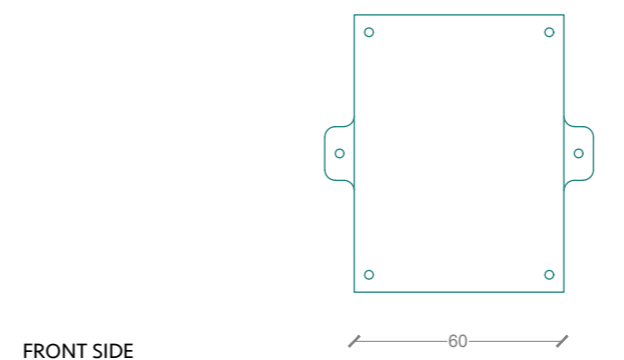
Double Switch



TDS Model B4C12V

DIMENSIONS

CONTROL BOX



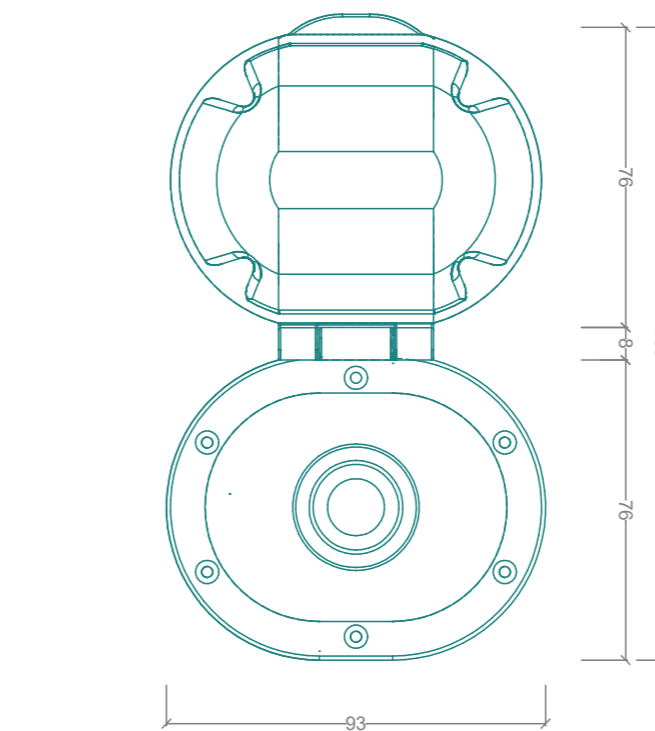
FRONT SIDE

60

80

LATERAL SIDE

SINGLE SWITCH



PLANT

93

76

80

76

LATERAL SIDE

76

24



TECHNICAL DATA

Model	B4C12V
Power Supply Voltage	12VDC- 24VDC
Maximum Contact Voltage	200VDC- 140VDC
Contact Max Current Rating	10 A
IP Rating	IP68
Footswitch Wire Length	20cm
Switchbox Wire Length	1m
Switchbox Material	Plastic
Footswitch Material	Stainless Steel AISI 316 L
Tot Weight	0,2 kg

The product allows to:

This is a high-performance single footswitch is delivered to the customer with his control box and is able to activate any DC motor. The B4C12V provides a reliable and intuitive operation, allowing boaters to control their equipment safely and efficiently. With its suggested construction and advanced features, the product is the ideal solution for a wide range of marine applications.

Pay attention to the electrical connection the Single Switch - have only 10 mA
- never connect the switch without its control unit!

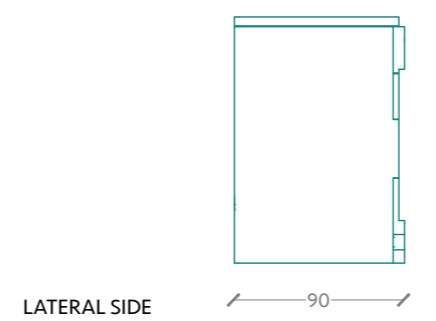
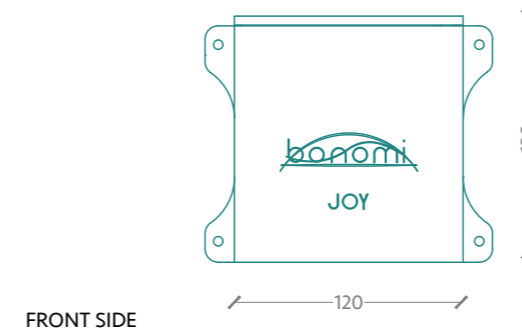
Single Switch



TDS Models B40C124V / B60C124V

DIMENSIONS

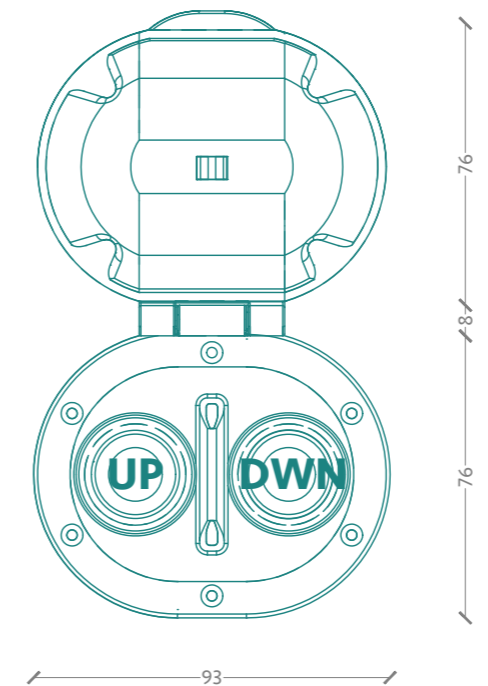
ELECTRONIC BOX CONTROL



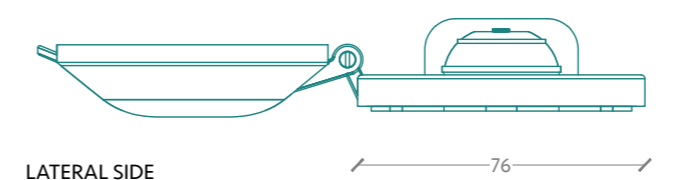
TECHNICAL DATA

Model	B40C124V / B60C124V
Power Supply Voltage	12VDC-24 VDC
IP Rating	IP67
Footswitch Wire Length	20 cm
Control Box Cable Length	3 m
Model B40C124V Motor Protection Circuit Breaker	40A
Model B60C124V Motor Protection Circuit Breaker	60A
Control Box Material	Plastic
Footswitch Material	Stainless Steel AISI 316 L
Tot Weight	3kg

DOUBLE SWITCH



PLANT



The product allow to:

The Control Box is an optional solution to totally activate the self tailing cleat. JOY is able to rotate the motor in CW and CCW with the double switch and the Electronic Control Box and it results easier and comfortable. Whatever you are manoeuvring a large vessel or docking in challenging conditions this optional gives you the opportunity to position your boat in a better way and easily. The JOY control box is an essential tool for any boater looking to precise, intuitive and comfortable mooring.

Electronic Box Control Double Switch



enJOY



FOR MORE INFO CONTACT US

www.bonominet.it

info@bonominet.it