

COMPLETE USER MANUAL

Compact winch



PONTOS

THE WIND OF CHANGE

INTRODUCTION	3
TECHNICAL DATA	3
DIMENSION / WEIGHT	3
PERFORMANCES	4
SELECTION GUIDE	4
INSTALLATION MANUAL	5
INSTALLATION PROCEDURE	6
USER MANUAL	7
MAINTENANCE MANUAL	8
TOOLS	8
DISASSEMBLY	8
CLEANING	11
REASSEMBLY	11
EXPLODED DIAGRAM - COMPACT	12
WARRANTY	13

Pontos from Saint Malo in France has introduced a new standard to the world of winches. Our game-changing winches revolutionize the way you manoeuvre. Our products are intended both for new boat builders and for refitting. They are available on our website www.pontos.fr or in our approved retailers.

This technical manual gives important information on dimension, performance, installation, use and maintenance of winches.

Thank you for respecting all the instructions presented in this textbook. The failure to respect these instructions can expose the user to risks of injury or decrease considerably the life expectancy of the winch and limit or cancel the product guarantee.

We invite you to read attentively this maintenance manual.

TECHNICAL DATA

Dimension / Weight

<div><div><div>PONTOS</div><div>THE WIND OF CHANGE</div></div><div>DIMENSIONS PONTOS WINCHES</div></div>														
WINCH	Weight / Poids		MWL		Base / Embase (A)		Height / Hauteur (B)		Line Entry (C)		Cordage (D) (mm)		Line Size (in.)	
	(Kg)	lbs	(Kg)	lbs	Ø mm	Ø inches	mm	inches	mm	inches	Ø min	Ø max	Ø min	Ø max
COMPACT ST 2 SPEED	3,6	7.93	850	1 870	130	5.12	143	5.63	58	2.28	8	12	5/16	1/2
SIZE (Taille) 40 ST 4 SPEED	4,9	10.8	850	1 870	171	6.73	189	7.44	87	3.43	8	12	5/16	1/2
SIZE (Taille) 46 ST 4 SPEED	7,1	15.7	1 300	2 860	206	8.11	203	7.99	97	3.82	8	14	5/16	9/16
SIZE (Taille) 52 ST 4 SPEED	8,6	18.9	1 500	3 300	220	8.66	203	7.99	97	3.82	8	14	5/16	9/16





Working Load

DO NOT APPLY LOADS OVER INDICATED MWL, MAXIMUM WORKING LOAD.


Rope

IT IS HIGHLY RECOMMENDED TO FOLLOW OUR ROPES DIAMETER CHART ON THE PREVIOUS PAGE.

Performances

<div>  PERFORMANCES PONTOS WINCHES </div>			
COMPACT 2 SPEED WINCH			
COMPACT Winch		Gear 1	Gear 2
	Gear Ratio	1,00	7,44
	Power Ratio	6,05	45,00
	Line Recovery per rotation *	26,4 cm.	3,5 cm.
 Maximum Working Load		850 Kg.	

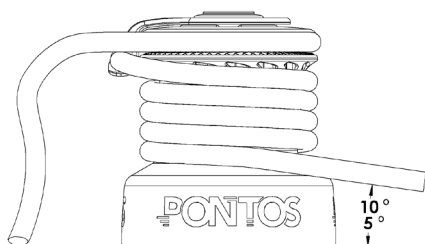
Selection guide

<div>  </div>		Selection Guide			
BOAT LENGH	m/mètres	6 à 9	10	10,5	11
	ft/Pieds	20 à 30	33	35	36
GENOA AREA	m²/ft²	28/300	33/350	44/470	51/550
SPINNAKER AREA	m²/ft²	37/400	56/600	74/800	93/1000
MAIN SAIL AREA	m²/ft²	14/150	17/180	20/210	24/257
GENOA SHEET		COMPACT	40	40	40
MAIN SAIL SHEET		COMPACT	COMPACT	40	40
SPINNAKER SHEET		COMPACT	COMPACT	COMPACT	40
GENOA HALYARD		COMPACT	COMPACT	COMPACT	40
MAIN SAIL HALYARD		COMPACT	COMPACT	COMPACT	40
SPINNAKER HALYARD		COMPACT	COMPACT	COMPACT	40

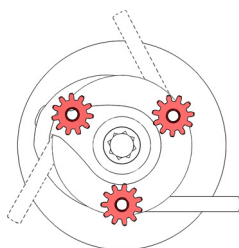
COMPACT INSTALLATION

Your winch must be installed on a flat part of the deck suitable to receive the winch. This area must be able to support twice the announced maximum working load of the winch. It is the responsibility of the customer/installer to ensure the strength of the support and provide reinforcement if necessary.

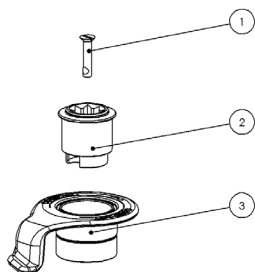
Please follow carefully the installation instructions. Fitting bolts are not supplied by PONTOS. Only A4 stainless steel bolts of the diameter indicated on the mounting template should be used.



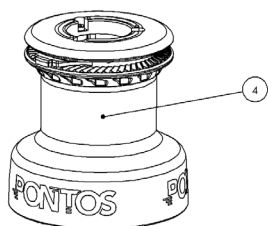
- Present the template on the deck.
- Respect the angle of line entry to prevent overrides.



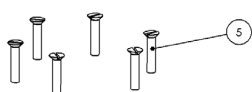
- Line entry extends over the full 360°
- Self-tailing feeder arm should be orientated in a position allowing free stowage of extra line.



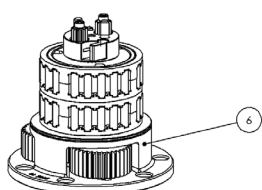
1. Remove the handle socket screw
2. Remove the handle socket.
3. Remove the feeder arm.



4. Lift and remove the drum.
5. Drill holes in the deck.

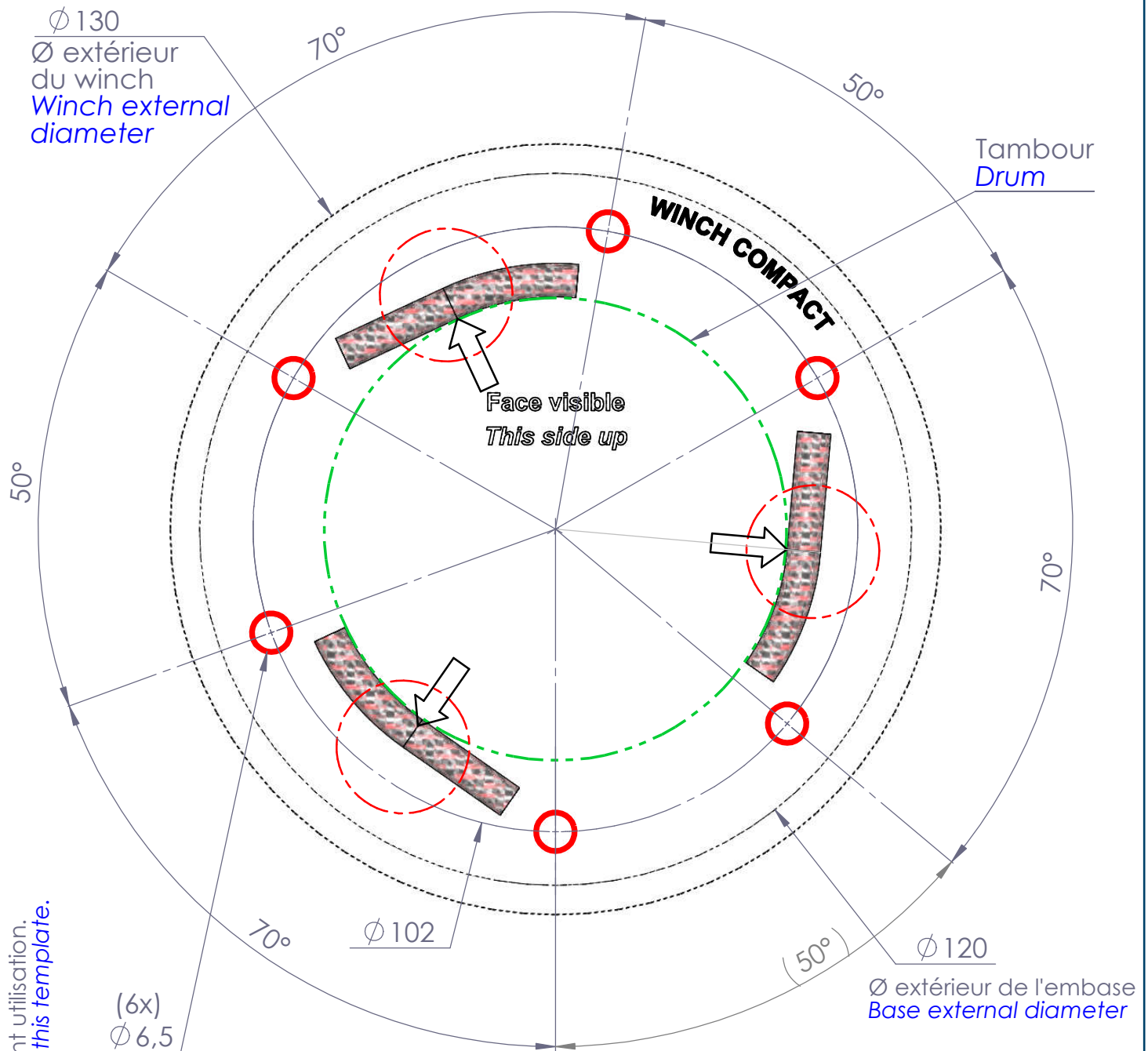


6. Apply marine grade silicone sealant around holes. Keep draining holes clear.



- Present bolts and tighten up nuts progressively
- Remove excess sealant

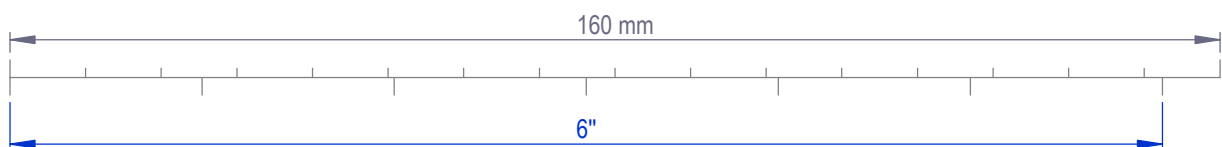
INSTALLATION PROCEDURE



Vis : M6 Tête fraisée inox A4
(DIN 267 part 11)
exclusivement.
Screws : use only M6
Countersunk Head,
A4 stainless steel
(DIN 267 part 11).



: Pignon de sortie
Output Gear



Rappel : Le winch COMPACT accepte l'entrée du cordage sur 360°.

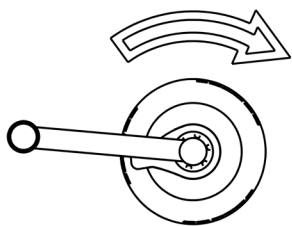
Reminder : The COMPACT takes rope entrance on 360°.

Vérifier l'échelle de l'impression avant utilisation.
Check the scale of print before use this template.

COMPACT - POWER OF A 45

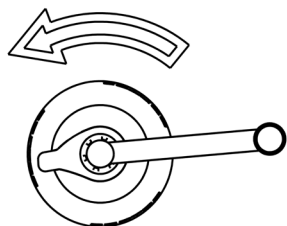
The COMPACT winch from Pontos is designed to optimise halyard, sheet and most rope operations on a sailing boat, as well as specific operations like lifting or swinging a keel hoist, offering more torque than any conventional winch of this size. Compact will serve as primary winch on boats up to 9 meters and as secondary winches on boats up to 11 meters for halyards on the roof or mast.

The Compact is the most versatile of the small winches. It combines a tiny size with 850kg working load, **for lines of 8 to 12mm.**



Gear 1 : Speed (cm/tour) 26.4cm
Power : 1:6

In first gear, enjoy speed, **twice as fast as traditional winches**



Gear 2 : Speed (cm/tour) 4cm
Power : 1:45

In second gear, you get **the power of a size 45 winch**

SELF-TAILING

ALWAYS MAKE 3 TURNS ON THE DRUM OR MORE IF NECESSARY. ENGAGE THE LINE ON THE FEEDER ARM AND INSERT IN THE JAWS ABOUT 300° AROUND THE WINCH.



NEVER APPLY LOADS OVER THE MAXIMUM VALUES GIVEN IN OUR PERFORMANCE SPECIFICATIONS.
PONTOS WINCHES MUST NOT BE USED TO LIFT A PERSON.

Your winch must be maintained and cleaned once a year. We recommend that you rinse your winch with fresh water regularly in order to eliminate salt deposits. Failure to comply with these recommendations could lead to damage to your winch and the cancelation of your warranty.

TOOLS



The tools required to dismount your winch are as follow:

- Pontos Key,
- Marine Oil and Grease,
- Allen key of 2.5 and 5mm,
- Flat screw driver.
- Long nose pliers

DISASSEMBLY





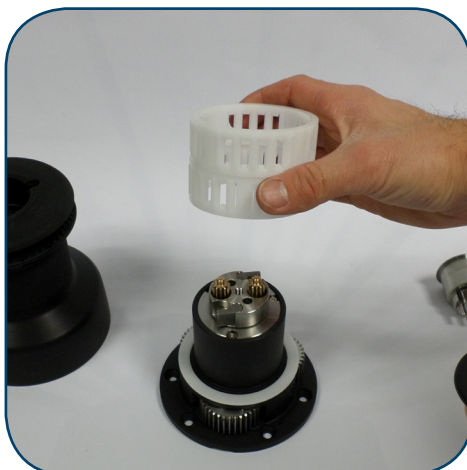
1. Unscrew the handle socket with Pontos Key and a screwdriver



2. Remove the feeder arm et the handle socket



3. Extract the drum by lifting



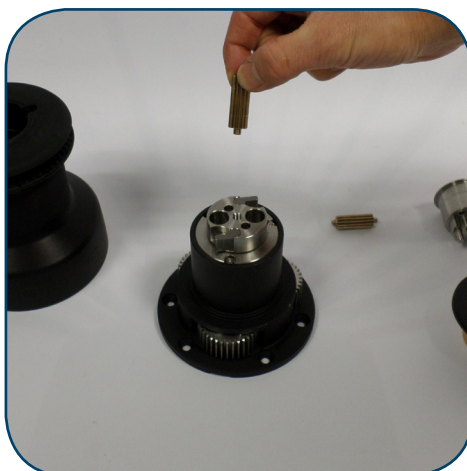
4. Remove the needles bearing



5. Remove thrust washer



6. Remove feeder arm gear



7. Remove the screws on compact pawls support

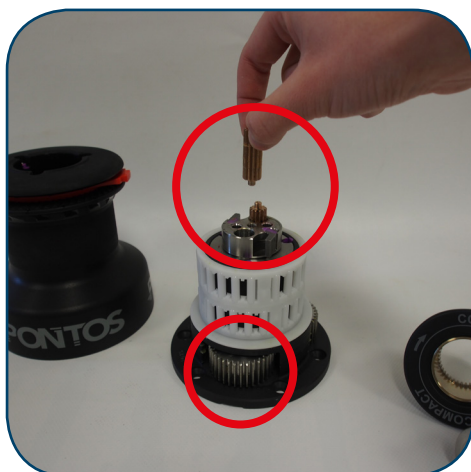


8. Remove the compact pawls support

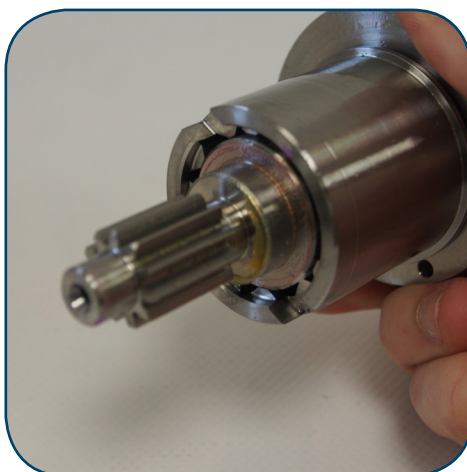


9. Extract the planetary shaft with a pair of long nose pliers

CLEANING



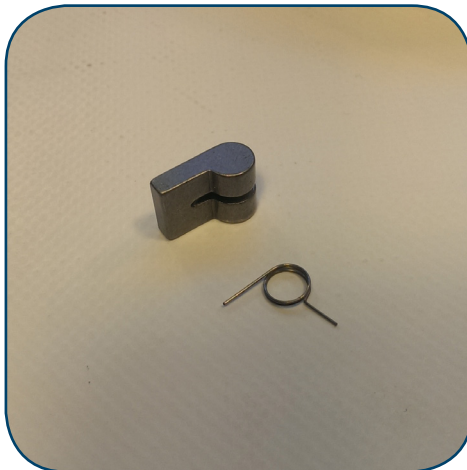
1. Clean all pinions and shafts. Add marine grease with moderation. Grease excess might retain salt.



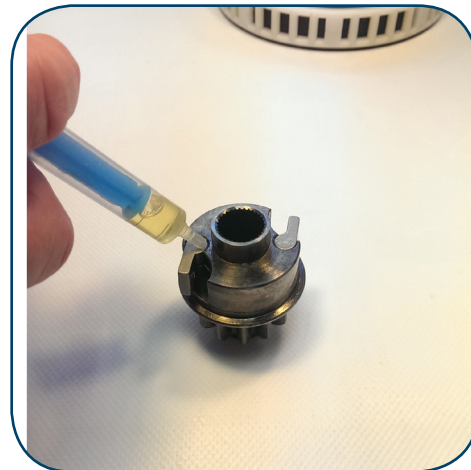
2. Rinse Needle bearings with fresh sprayed water. Never grease them !



3. Clean and lubricate pawls and springs



4. Please pay attention to the spring position in the pawl before adding oil.



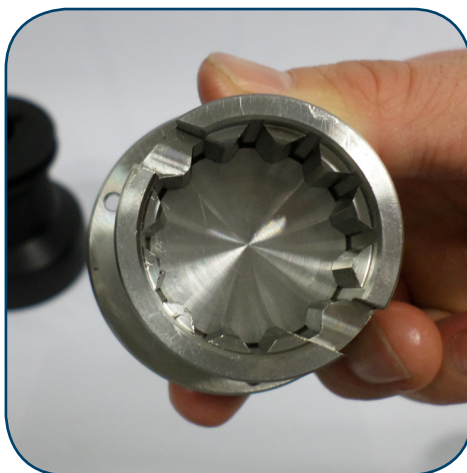
REASSEMBLY

Refit of the winch is exactly opposite to dismantling. (Step 9 to 1).

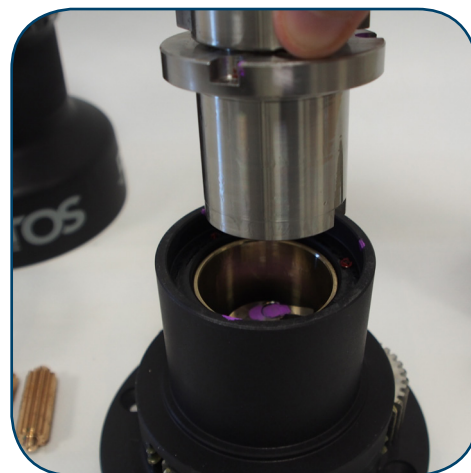
ZOOM ON REASSEMBLY



1. Planetary shaft must be centered in the center stem gears.



2. Rotate planetary shaft into the pawls support.



3. Place 1 and 2 into compact center stem support, adding oil.

Thank you for purchasing our PONTOS products. The warranty covers defects in materials and manufacturing of the Pontos products during the warranty period as defined below.

It is intended for the original purchaser of the product upon presentation of proof of purchase. The Pontos range of **products is guaranteed for 5 years from the date of purchase.**

To validate this warranty, please visit our website: www.pontos.fr and fill out the warranty form on the Customer's page. After the end of the warranty period, Pontos will not accept responsibility for any other form of guarantee either implicit or explicit for either private or commercial use. Depending on the country, other guarantees may exist depending on the applicable law, the provisions of this warranty are not intended to counter these imperatives.

Application of warranty Procedure for warranty registration.

The warranty is applicable for the duration of its validity from the date of purchase.

I have a defective product ? What should I do ?

You will first need to define the problem by completing a «Product Return Form» available under customers profile of our site www.pontos.fr. On receipt of the completed Product Return Form, Pontos will analyse the defect and make a diagnosis. If the defect has not been caused by incorrect use of the winch then Pontos will decide to either replace, repair or establish a credit note on the defective products reported. The shipping costs to return products are not supported by Pontos. This warranty does not cover the costs associated with the diagnosis of an outside professional, port fees or reinstallation of the product.

The Warranty does not cover, and Pontos cannot be held responsible :

- If the product is degraded during a return process (e.g inadequate protection)
- If the product has been modified with unauthorized spare parts
- If the product's serial number has been removed, defaced or altered
- If the product has been subject to improper installation as per Pontos recommendations
- If the product has not been properly maintained as specified in the maintenance manual
- If the product has been used beyond its capacities or in an inappropriate way
- Used for a purpose other than for a maritime use for which the product was designed.
- If unauthorized modifications or repairs have been made
- For normal wear expected to be found during normal use of a winch

Responsibility

Pontos will not be responsible for:

- any loss of revenue expected, profits or indirect economic or consequential loss
- damages, costs or expenses payable to any third party
- damage to yachts or Equipment
- death or personal injury (unless they have been caused by the negligence of Pontos)