GB TECHNICAL DATA

HOW TO IDENTIFY THE WINDLASS THROUGH THE CODE:

1° EXAMPLE: ANTARES1012D — ANTARES | 10 | 12 | D

2° EXAMPLE: ANTARES1524 — ANTARES | 15 | 24 | –

a
Name of the line:
[ANTARES] = oval base in chrome-plated bronze

b
Motor output:
[10] = 1000 W
[15] = 1500 W

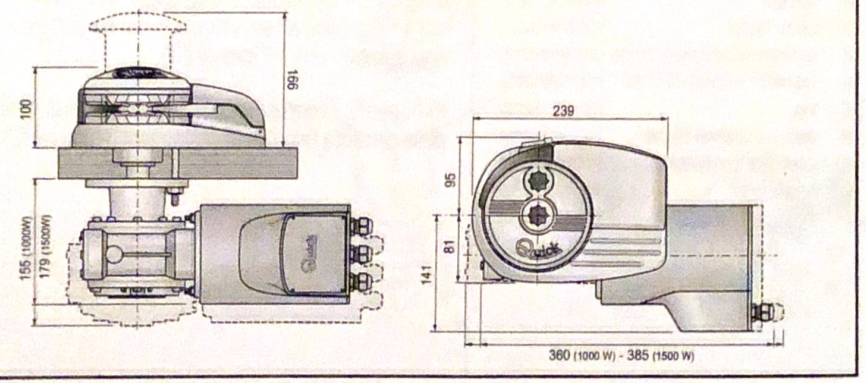
c
Motor supply voltage:
[12] = 12 V
[24] = 24 V

d
Drum:
[D] = with drum
[–] = without drum

MODEL	ANTARES – / D			
MOTORE OUTPUT	1000W		1500W	
Motor supply voltage	12V	24V	12V	24V
Maximum pull	1000 Kg		1100 Kg	
Maximum working load	370 Kg	450 Kg	470 Kg	540 Kg
Working load	120 kg	150 Kg	160 Kg	180 Kg
Current absorption @ working load [1]	140A	80A	155A	85A
Maximum chain speed [2] m/min	39,6	40,9	29,2	29,7
Maximum chain speed @ working load [2] m/min	20.4	21,4	16,3	19.0
Chain size [3]	8 mm DIN 766 - 5/16" DIN 766 (6 mm DIN 766 - 10 mm DIN 766 - 10 mm ISO - 3/8" DIN 766)			
Rope size	12 mm • 14 mm • 16 mm • 1/2" • 9/16" • 5/8" (14 mm • 16 mm • 9/16" • 5/8")			
Motor cable size [4]	35 mm²	16 mm²	50 mm²	25 mm²
Protection circuit breaker [5]	80A	50A	100A	50A
Deck thickness [6]	25 ÷ 50 mm		30 ÷ 50 mm	
Weight - model without drum	21.9 Kg		24.2 Kg	
Weight - model with drum	23.0 Kg		25.3 Kg	

[1] After an initial period of use.
[2] Measurements taken with a gypsy for a 8 mm chain.
[3] According with the mounted gypsy.
[4] Minimum allowable value. Determine the cable size according to the length of the wiring.
[5] With circuit breaker designed for direct currents (DC) and delayed-action (thermal-magnetic or hydraulic-magnetic).
[6] On request, shafts and studs can be supplied for greater deck thicknesses.

DIMENSIONS OF MODELS (mm)
ANTARES 1000 / 1500 W - / D



"QUICK™" RESERVES THE RIGHT TO INTRODUCE CHANGES TO THE EQUIPMENT AND THE CONTENTS OF THIS MANUAL WITHOUT PRIOR NOTICE.

INSTALLATION GB

BEFORE USING THE WINDLASS READ THESE INSTRUCTIONS CAREFULLY.
IF IN DOUBT, CONTACT YOUR NEAREST "QUICK™" DEALER.

⚠ **WARNING:** the QUICK™ windlasses are designed to weigh the anchor. Do not use the equipments for other purposes. QUICK™ shall not be held responsible for damage to equipment and/or personal injury, caused by a faulty use of the equipment.

THE PACKAGE CONTAINS: windlass (on deck unit + geared motor) - reversing solenoid unit - base gasket - Handle - bolts and screws (for assembly) - user's manual - warranty card.

TOOLS REQUIRED FOR INSTALLATION

Drill and drill bits: 9 mm, 11 mm, 75 mm Ø hollow mill; hex. wrenches: 13 mm.

"QUICK™" ACCESSORIES RECOMMENDED

• Anchoring RL control board (mod. 800) • Waterproof hand helds R/C (mod. 1002) • Foot switch (mod. 900) • Hydraulic-magnetic circuit breaker • Anchor chain counter (mod. 1102M and CHC1202M) • Radio control (mod. 1302,1352; 02, 302).

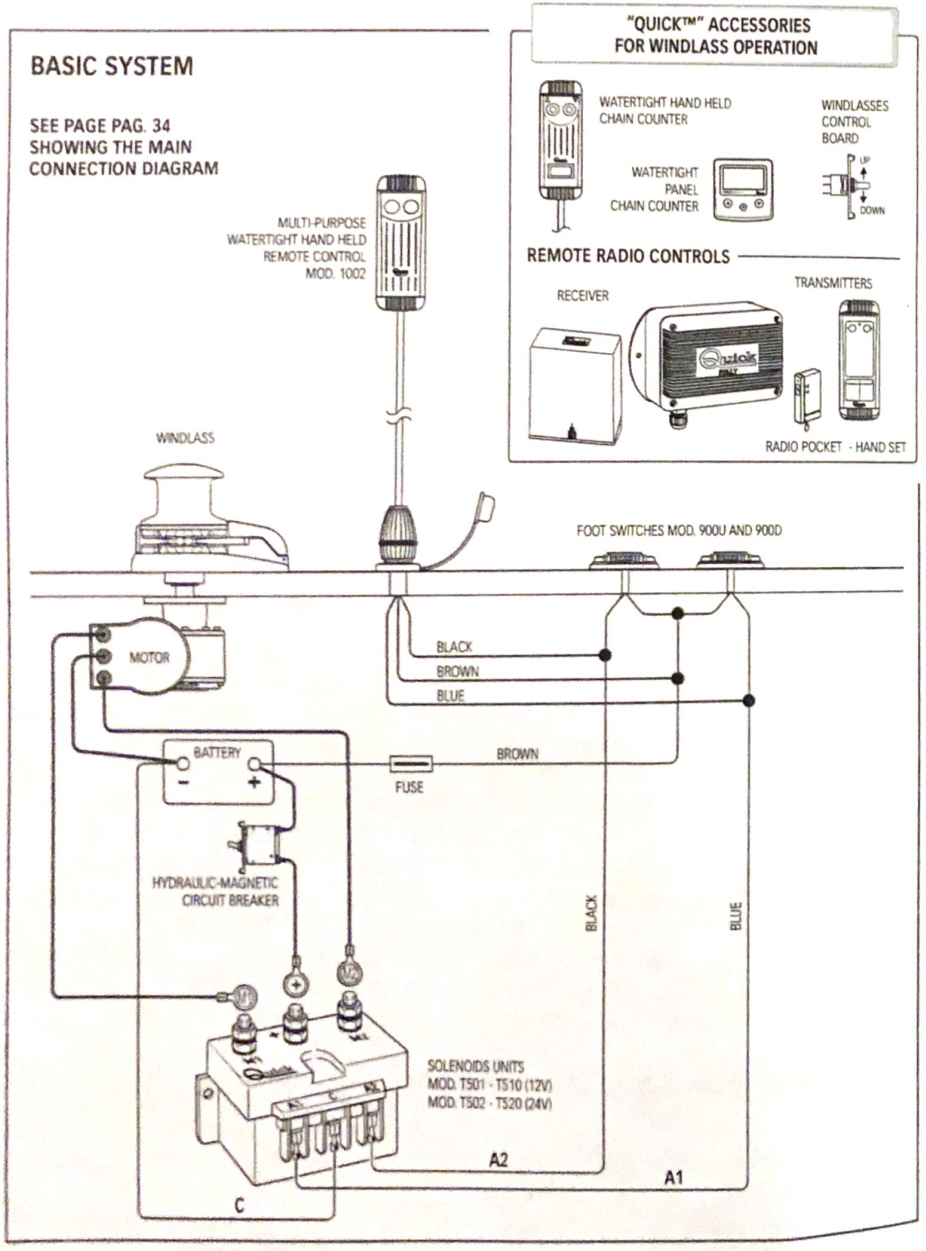
ASSEMBLY PROCEDURE

The windlass is made up of two separate parts:

- the upper part is to be installed on deck (base 31)
- geared motor is to be installed below deck (gearbox 36, electric motor 34).

1. Remove the nut (39) from the stud to take apart the on deck unit from gear box.
2. The windlass has to be placed in position by aligning the gypsy with the bow point (rope or chain leveled with the deck and wound around the gypsy at an angle of about 180°).
3. Before drilling holes, check the following:there are to be no obstacles below deck in order to install the bottom part. Deck thickness must range among the ratings indicated in the schedule; for a different thickness, contact your nearest QUICK™ dealer. Also make sure the top and bottom surfaces of the deck are as parallel as possible; if necessary, compensate for any differences (if not parallel, the motor power may drop)
4. Once the ideal position has been found, drill the holes using the jig (32) supplied.
5. Place the upper part in position and connect it to the bottom part. Fit the shaft (13 or 15) into the gearbox. Secure the windlass by using the studs (33) and the screws supplied.
6. Connect the power cables coming from the reversing solenoid unit to the electric motor.

⚠ **WARNING:** before wiring up, be sure the electrical cables are not live.



⚠ **WARNING:** stay clear of the chains, ropes and gypsy. Make sure the electric motor is off when windlass is used manually (even when using the handle for disengaging the clutch). In fact people with a remote control (remote control or control system via radio) might accidentally operate the windlass.

⚠ **WARNING:** secure the chain with a device before starting the navigation.

⚠ **WARNING:** do not operate the windlass by using the electrical power when the handle is inserted in the drum or into the gypsy cover.

CLUTCH USE

The clutch (4 and 7) provides a link between the gypsy and the main shaft (13 or 15). The clutch can be released (disengagement) by using the handle (1) which, when inserted in the drum or in the gypsy cover (2), must be turned counter-clockwise. The clutch will be re-engaged by turning it clockwise.

WEIGHING THE ANCHOR

Turn on the engine. Make sure the clutch is engaged and remove the handle. Press the UP button on the control provided. If the windlass stops and the hydraulic magnetic switch (or thermal cutout) has not tripped, wait a few seconds and try again (avoid keeping the button pressed). If the hydraulic magnetic switch, has tripped, reset it and wait a few minutes before weighing anchor once again.
If, after a number of attempts, the windlass is still blocked, we suggest to move the boat to release the anchor. Check the upward movement of the chain for the last few meters in order to avoid damages to the bow.

CASTING THE ANCHOR

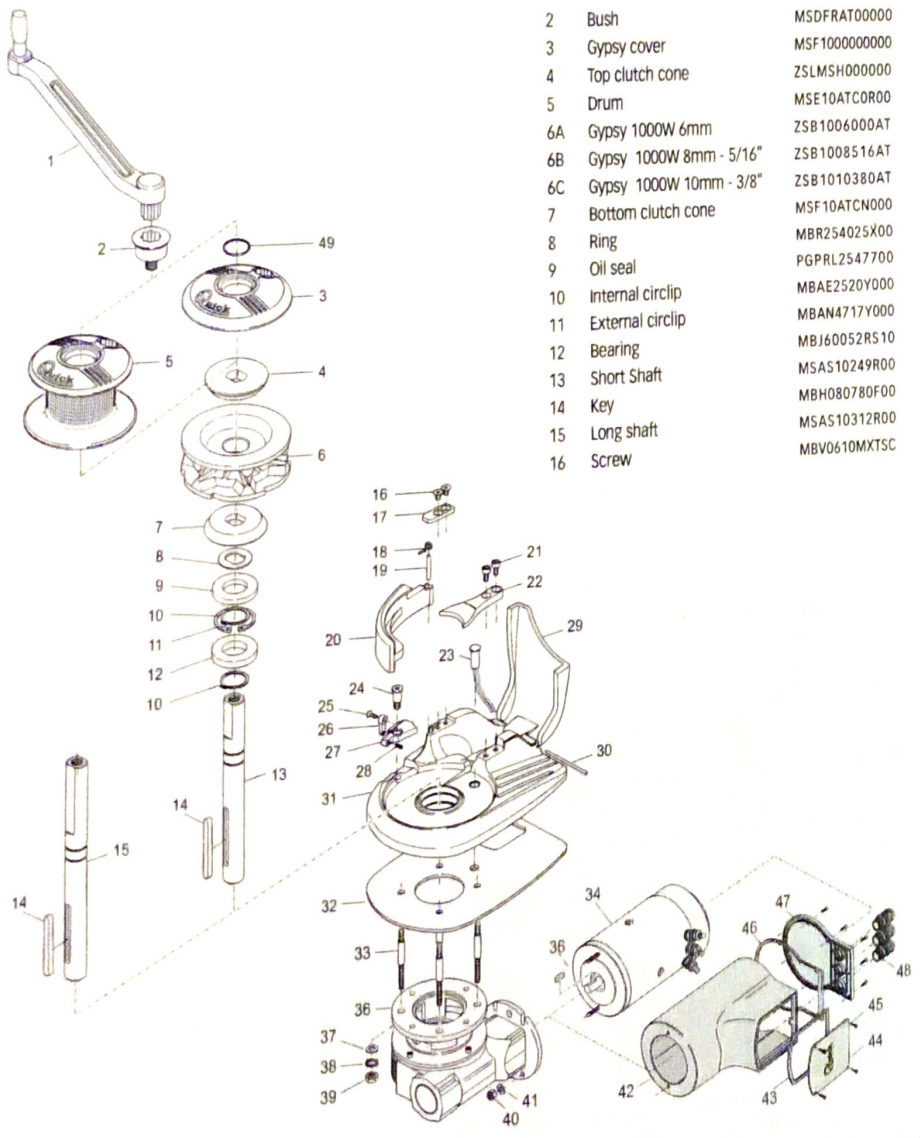
The anchor can be cast by using the electrical control or manually. To operate manually, the clutch must be disengaged allowing the gypsy to revolve and letting the rope or chain fall into the water. To slow down the chain, the handle must be turned clockwise. To cast the anchor by using the electrical power, press the DOWN button on the control provided. In this manner, anchor casting is under control and the chain and rope unwind evenly. In order to avoid any stress on the windlass -once the boat is anchored- fasten the chain or secure it in place with a rope.

MANUAL ANCHOR WEIGHING (NO DRUM VERSION)

Disconnect the windlass power supply. Use the lock lever control (26) to engage the lock lever (27) of the gypsy (6). Disengage the clutch (at least 2 turns of the bush), fit the lever into the seat in the gypsy cover (3) and manually take up the chain by moving the lever clockwise.
Concluding that procedure take out the lever from the gypsy cover, engage the clutch and release the gypsy by using the lock lever control. Connect the windlass power supply.

MANUAL ANCHOR WEIGHING (DRUM VERSION)

Disconnect the windlass power supply. Turn the lock lever control (26) to engage the lock lever (27) of the gypsy (6). Unscrew the bush (2) along with the lever (1). Disengage the clutch (at least 2 turns of the bush), fit the lever into the seat of the drum and manually take up the chain by moving the lever clockwise, push to the lever in order to have it rightly set down into the drum seat.
Once the manual anchor weighing is completed, remove the lever from the gypsy seat and tighten the bush. Remove the lever from the drum, engage the clutch, and release the gypsy by turning the lock lever control. Connect the windlass power supply.



POS.	DESCRIPTION	CODE
1	Bent anchor winch lever	ZSLMSH000000
2	Bush	MSDFRAT00000
3	Gypsy cover	MSF1000000000
4	Top clutch cone	ZSLMSH000000
5	Drum	MSE10ATC0R00
6A	Gypsy 1000W 6mm	ZSB1006000AT
6B	Gypsy 1000W 8mm - 5/16"	ZSB1008516AT
6C	Gypsy 1000W 10mm - 3/8"	ZSB1010380AT
7	Bottom clutch cone	MSF10ATCN000
8	Ring	MBR254025X00
9	Oil seal	PGPRL2547700
10	Internal circlip	MBAE2520Y000
11	External circlip	MBAN4717Y000
12	Bearing	MBJ60052RS10
13	Short Shaft	MSAS10249R00
14	Key	MBH080780F00
15	Long shaft	MSAS10312R00
16	Screw	MBV0610MXTSC

POS.	DESCRIPTION	CODE
17	Mooring rope puller	MMSTTC10ATC0
18	Spring for pressure lever	MMTNC10ATC00
19	Mooring rope puller pin	MMTC10ATC000
20	Pressure lever	PDLVTD10ATCN
21	Screw	MBV0612MXCE0
22	Rope/chain stripper	SGMSN10ATC00
23	Sensor	SAKREED00000
24	Barbotin lock pin	MSVPR10ATC00
25	Screw	MBVCLBB00000
26	Barbotin lock lever control	PVLBBATC0000
27	Barbotin lock lever	SGMSH10ATC00
28	Barbotin lock spring	MMBLBRATC000
29	Chain guide cover	SGMSGG10ATC0
30	Cover pin	MSR10XATC000
31	Base	SGMSC10ATC00
32	Gasket / jig Antares	PGBSG10AT000
33	Stud	MBP080808X00
34A	Electric motor 1000W 12V	EMF101200000
34B	Electric motor 1000W 24V	EMF102400000
34C	Electric motor 1500W 12V	EMF151200000
34D	Electric motor 1500W 24V	EMF152400000
35	Key	MBH050515F00
36A	Gearbox 1000W	MR1000000000
36B	Gearbox 1500W	MR1400000000
37	Washer	MBR08X000000
38	Spring washer	MBR08XDE0000
39	Nut	MBD08MXEN000
40	Self locking nuts	MBD06MXET000
41	Washer	MBR061815X00
42	Watertight 1000W	PCCCPM100000
43	Grommet 1000W	PCGPMMR00000
44	Terminal board cover 1000W	PCCPPMMR0000
45	Screw	MBV02213AXSC
46	Bottom gasket 1000W	PGGPMFN00000
47	Bottom protec cover 1000W	PCCPPMFN0000
48	Cable outlet	PPM20B000000
49	O-Ring	PGR031500000

WARNING: make sure the electrical power to the motor is switched off when working manually on the windlass. Carefully remove the chain or rope from the gypsy or the rope from the drum.

QUICK™ windlasses are manufactured with materials resistant to marine environments. In any case, any salt deposits on the outside must be removed periodically to avoid corrosion and damage to the equipment. The parts where salt may have built up should be washed thoroughly with fresh water.

Once a year, the drum and the gypsy are to be taken apart as follows:

DRUM VERSION

Use the handle (1) to loosen the bush (2); pull off the drum (5) and the top clutch cone (4); loosen the fixing screws (21) of the rope/chain stripper (22) and remove it. Pull off the gypsy (6).

NO-DRUM VERSION

Use the handle (1) to loosen the bush (2); to remove the gypsy cover (3); and the top clutch cone (4); loosen the fixing screws (21) of the rope/chain stripper (22) and remove it. Pull off the gypsy (6).

Clean all the parts removed to avoid corrosion, and grease the shaft thread (13 or 15) and the gypsy (6) where the clutch cones rest (4 and 7) (use grease suitable for marine environment).

Remove any oxide deposits from the terminals of the electric motor and the reversing solenoid unit; grease them.