



# CN1500- Capstan

## Parts List

1. Capstan Winch
2. 4x M6x25 Hex Bolts sst
3. 4x M6 Nyloc Nuts
4. 8 x O-Ring to hold Bolts to winch for fitting
5. 4 x Washers
6. Relay/Solenoid
7. Switch
8. Thermal Overload

## Install Instructions

### Mounting of the winch.

The best way to find a suitable place for the capstan is to place it on the boat and try its position for comfort and safety.

Avoid any place where the operator would lean over the winch.

Ensure this position is strong enough. The winch pulls up to 150kg so such a position should be strong enough to at least hold this load without distortion.

The surface where the winch is mounted too must be flat and not distort the base plate once fastened to the deck.

In some situations, the supplied washers will not be enough to spread the load a backing plate should be constructed.

The operator should always be able to switch the winch off in an emergency. Mount the switch in a place where this is possible.

The thermal overload must be mounted as close to the power source as possible (<1m). The thermal overload will then act to protect against an electrical short. The thermal overload is not waterproof so ensure it is protected from the environment.

The relay can be mounted at any point in the circuit.

Both the thermal overload and switch should be switching on the positive.

Seal the winch to the deck surface with non-caustic sealant.

See Electrical diagram.

See deck template.

## **Safety and operation.**

If the winch is powered from the starter battery ALWAYS START THE ENGINE FIRST!

Switch the anchor winch on.

Wrap one wrap around the capstan and put a slight tension on the rope.

If the rope slips too much wrap more wraps around the capstan until it grips.

Proceed to recover the rope hand over hand in a smooth action.

Switch the winch off and recover the chain by hand (the capstan will be damaged if it meets the chain).

The thermal overload will trip the winch if overloaded. Reset if necessary.

Beware, this winch does not have an anti-reverse clutch.

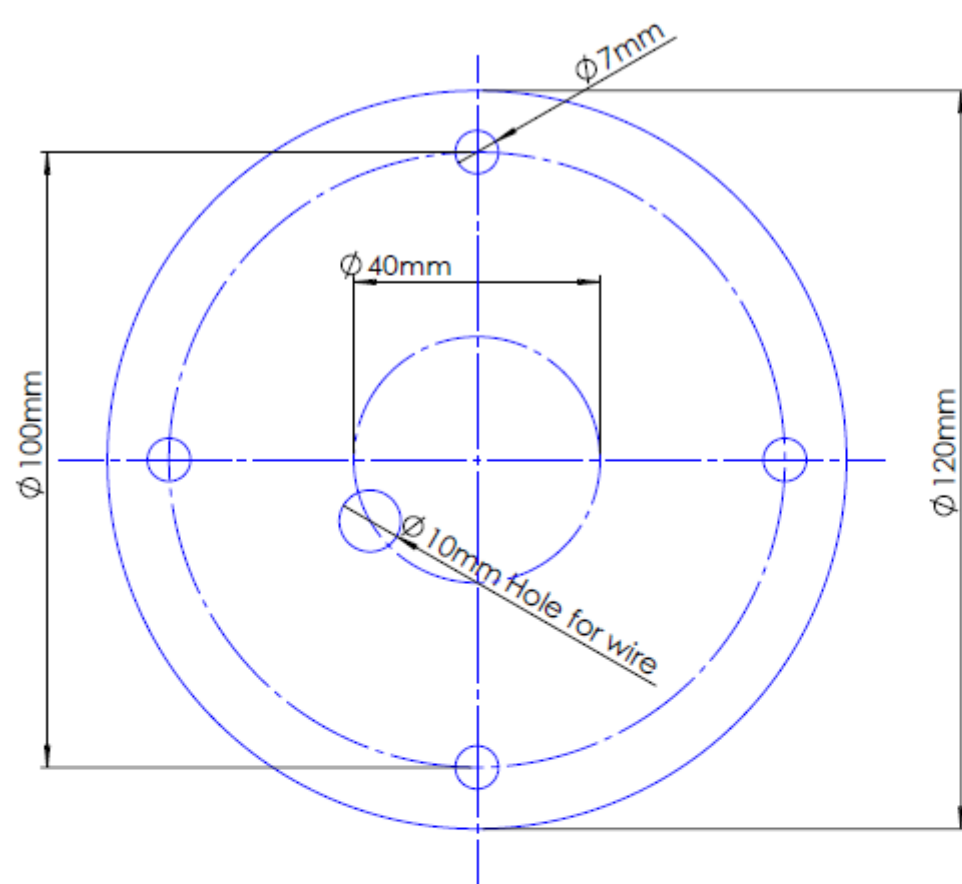
In usual operation this winch should not be stalled.

Never use the winch as a bollard. Damage may result.

## **Warning:-**

In spite of the CN1500's small size the pull that the winch can produce is high enough to be dangerous. Do not allow any irresponsible use such as hauling human, animal loads or to use the winch in such a way where overhanging loads can harm life.





CN1500  
Deck Template