

MAST REMOVAL AND STORAGE

PREPARATION AT YOUR DOCK

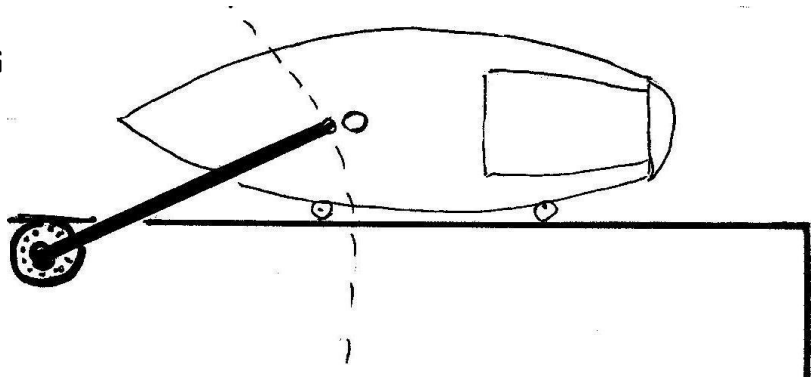
Note : prior to this ensure your holding tank has been pumped out

- ✓ remove sails
- ✓ remove split rings or cotter pins from turnbuckles
- ✓ slightly loosen all turnbuckles
- ✓ pull roller furling line (if equipped)
- ✓ remove vang (kicker)
- ✓ pull control lines from clutches or jammers and mast base blocks
- ✓ secure halyards & topping lift & pole lines to the mast
- ✓ remove boom
- ✓ set out tools to loosen turnbuckles and disconnect stays
- ✓ set out dock lines and fenders for port side tie
- ✓ set out tie lines to secure mast lines and forestay to mast
- ✓ disconnect shore power and secure cord
- ✓ organize crane dock crew and move mast trolley onto crane dock
- ✓ set out horses in yard (two or three depending on size of mast)

Note: horses are the responsibility of the boat owner



PREPARATION: PRIOR TO MOVING



- ✓ check current at crane dock and plan approach
- ✓ motor to crane dock facing north - Port tie - tie off with fenders and spring lines
- ✓ position boat and rotate crane (either high or low arm) so that the cable from the crane settles just in front of the mast
- ✓ Secure vessel so it does not move
- ✓ turn engine off
- ✓ this is a good opportunity to pump out your holding tank if you have not previously done so

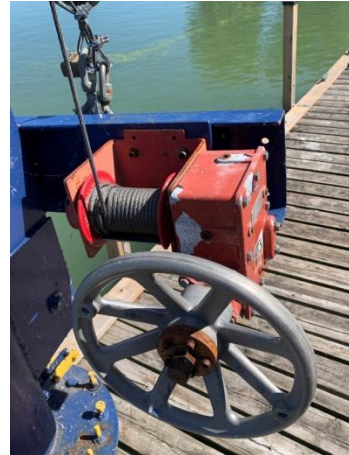
OPERATING CRANE

NOTE: you should know the approximate weight of your mast with all standing rigging.

NOTE: this is not a GYN POLE it is a GIB CRANE

- ✓ the lower arm is 25 feet (7.6 meters) above the dock
- ✓ the upper arm is 30 feet (9 meters) above the dock
- ✓ the capacity of the lower arm is 500 pounds (227 kg)
- ✓ the capacity of the upper arm is 1000 pounds (454kg)
- ✓ selections of which crane you use depends on the weight of the mast and the interference with the mast head instruments

LIFTING EQUIPMENT



- ✓ both cranes have winches which can be operated manually or with variable speed electric driver
- ✓ the driver must be plugged into 110V outlet near the pump out the driver has a socket that fits the winch (each winch has it's own unique socket)
- ✓ the driver has a forward and reverse switch

EXTRACTION

- ✓ if your boat has a single spreader rig wrap the sling (provided) around the stern of the mast under the spreaders and all stays in a safe arrangement and bring the looped ends to the front of the mast
- ✓ connect the looped ends of the sling through the shackle (provided) close the shackle with the threaded clevis pin and hook the shackle onto the lift cable hook
- ✓ be careful of the headache ball (its name says it all)
- ✓ ensure that the pull down rope is attached to the sling
- ✓ hoist the sling up the mast until there is slight pressure under the spreader

- ✓ ensure that a crew member is positioned at the base of the mast and is tasked with holding and guiding the mast base through the entire process.
- ✓ it is critical with a deck stepped mast that the mast is not raised above its mounting fixture until the raising process begins. The mast base crew mentioned above is essential in controlling the mast base. (Masts have been toppled when this is not managed properly)
- ✓ undo all turnbuckles
- ✓ take all the stays to the mast and secure them to the mast with a strap
- ✓ with roller furling have a member of your crew hold onto the roller furling once the pin has been removed
- ✓ disconnect the electrical cords (if not already done)
- ✓ slowly raise the mast
- ✓ ensure the ends of the stays do not foul on the deck hardware as the mast is raised
- ✓ when the mast is cleared of the deck step raise the base to just clear the deck and gradually rotate the mast towards the bow bringing the roller furling or forestay to the mast where it should be secured to the mast.
- ✓ lower the mast while rotating it over the mast cart
- ✓ lower the mast onto the cart with good fore/aft balance

Note: you should know where the centre of gravity of your mast is and have it marked.

- ✓ release the hook, shackle and sling and rotate the lift cable clear
- ✓ ensure all stays are wrapped to the mast
- ✓ push cart north to the mast rack area
- ✓ move boat back to your slip

WRAPPING UP

- ✓ push cart to the area beside your horses
- ✓ remove spreaders from the mast - either completely or leaving stays attached fold them against the mast and secure

- ✓ remove mast head instruments and VHF antenna
- ✓ secure all stays and halyards to the mast
- ✓ pick a spot on the mast rack
- ✓ small mast on top shelves and larger masts on the bottom racks
- ✓ be considerate - place your mast with room for others
- ✓ be careful with mast lights to avoid damage
- ✓ cover mast base and top prevent birds from nesting in the Spring
- ✓ it is recommended to secure your mast to the rack with several lines
- ✓ move mast cart to clear area where it can be used by others
- ✓ take horses home

DOUBLE SPREADER RIG

- ✓ the use of a bridle system is recommended
- ✓ provide your own sling - to suit your mast dimensions (example CS30 uses a 10ft sling)
- ✓ sling under the bottom spreader - bring a jib halyard down to the sling and attach with a bowline
- ✓ attach the lifting hook making a 3 way connection
- ✓ follow previous extraction procedures.