Original Instructions

Elastic Pennant for MOB-boat

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Product description

Elastic pennants are made of braided 8-strand rope of polyamide (Nylon) to reduce the dynamic load when lifting MOB-boats out of the sea.

The pennants usually have a master link in the top to be placed in the crane hook and a ring with handles in the bottom for connection to the MOB-boat. Some pennants have a spliced eye in the top or a shackle in the bottom.

Some pennants has an additional length of high-strength fibre rope of e.g. Dextron or Dyneema between the Nylon rope and the ring with handles. This length is used for handling, but is not elastic.

WARNING! The pennants are custom made to fit a specific MOB-boat and must thus not be swapped around or used on other MOB-boats

Pennant with master link in one end and ring with handles in other end

Pennant with Dextron rope between the Nylon rope and ring with handles

Intended use

1) Elastic pennants are only intended for lifting and lowering a rescue boat within the working load limit (WLL) related to the service as stated in the certificate. Any other use is prohibited.
2) Elastic pennants shall only be used for a straight vertical lifting. Choker hitch and knots are prohibited.
3) Elastic pennants are intended for training exercises in a sea state with up to 3 m significant wave height.
4) Elastic pennants are intended for life-saving operations in a sea state with up to 6 m significant wave height.

Restrictions on use

1) The weight of the MOB-boat including personnel shall not be lower than 90% of the pennants working load limit (WLL).
2) Elastic pennants shall not be used in parallel with other equipment.
3) Nylon rope will be damaged by heat. The working temperature is -40°C (-40°F) to +100°C (212°F).
4) Nylon rope is damaged by mineral-based acids, but is resistant to alkaline (basic) fluids.
5) Nylon rope will be damaged by sharp edges.
6) Nylon rope may be damaged by ice crystals and should thus not be used if covered by ice.
7) Nylon rope may be damages by salt crystals and should thus be washed with fresh water if exposed to sea water.

Hazardous use

1) Overloading may damage the elastic pennant as well as lifting point in the MOB-boat.
2) If an oversized pennant is used it will not dampen the dynamic load sufficiently, which may damage the lifting point on the MOB-boat.
3) If an elastic pennant is used in parallel with e.g. steel wire rope or chain slings the pennant might get damaged.
4) Lifting the MOB-boat after the handles on the bottom ring will tear off the handles.

Storage and maintenance

1) Elastic pennants must be stored at a dry location.
2) Elastic pennants must be stored to protect them from direct sunlight and UV radiation.
3) If cleaning is necessary only fresh water without detergents shall be used. The pennant shall thereafter be suspended for air drying.

Inspection

1) Before each use it should be checked that:
    a. The working load limit (WLL) corresponds to the weight to be lifted.
    b. The pennant has no visible defects and/or damages.
    c. The pennant is not covered in ice.
2) A periodic inspection by an enterprise of competence or competent person shall be performed at least every 12 months. Local legislation might demand a more frequent interval.
3) A thorough examination shall be performed after each training operation, and after any life-saving operations in a sea state with less than 3 m significant wave height.

Discard

1) Elastic pennants shall be discarded if:
    a. The rope has been damaged by heat and/or harmful chemicals.
    b. The rope has been damaged by cuts or abrasion.
    c. The master link, ring with handles and/or shackle have deformities or other mechanical damages.
    d. The splices has become fully or partly undone.
2) Elastic pennants shall be replaced every second year, regardless of condition determined by visual examination.
3) Elastic pennants shall be replaced immediately if they have been used in a sea state exceeding 3 m significant wave height.