

## PART C SERVICES & MISCELLANEOUS ITEMS

### Section C1 Rigging Services

#### C1.1 Mast And Rigging Check

A yacht's rigging should be properly checked at least once a season. Ideally this will be done by removing the mast from the boat and having a professional rigger work over the mast from one end to the other, using a checklist.

Allyacht Spars Australia can either provide the following services or advise on finding a service provider.

SERVICE
Mast removal
Mast stepping
General rig inspection
Full rig inspection with written report (to comply with insurance standards)
On-water rig tuning

For those who prefer to do their own rig inspection, a Rig Inspection Checklist is provided at the end of this section as a guide.

#### C1.2 Splicing

Allyacht Spars generally uses one of the three styles of splice listed below for creating an eye on the end of a line (most commonly for control lines such as halyards).

SERVICE	PART NO.	DESCRIPTION
Eye Splice	SPLICE	Conventional eye splice
Sydney Splice 1	SPLICE.SYD1	Only used on Dyneema / Spectra Outer case is stripped for approx. 1500mm incl. the eye
Sydney Splice 2	SPLICE.SYD2	Only used on Dyneema / Spectra Outer case is stripped at the eye

# RIG INSPECTION CHECKLIST

**WARNING: NEVER GO ALOFT ON THE HARD STAND!**

## MASTHEAD:

1. Check all welds for cracks.
2. Check Masthead gear for secure attachment.
3. Check all pins and pinholes for fatigue.
4. Ensure the sheaves run freely and the pins that hold them are secure.
5. Check for sharp edges where halyards exit and peter out if necessary.
6. Check that all screws and bolts are tight. If not, unfasten and replace with new fasteners coated with an anti-seize material.
7. Check forestay and backstay for cracks and/or discolouring of the swages.
8. Check for any corrosion.

## RIGGING:

1. Check swages for cracks and/or discolouring.
2. Check tangs or T-ball backing plates for fatigue.
3. Check clevis pins and split pins for fatigue.
4. Check that the tang bolt is secure.
5. Check for any corrosion.

## SPREADERS, JUMPERS AND DIAMONDS:

1. Check swages for cracks and/or discolouring.
2. Check spreaders ensuring that the sockets/base are secure.
3. Cover or smooth over any sharp edges.
4. Remove spreader guards, if any, and check that spreader tips and stays are secure.
5. Replace the spreader covers, as old leather covers may dirty the sails.
6. Check for any corrosion.

## DECK LEVEL:

1. Check the gooseneck for signs of fatigue (worn pins, loose nuts, cracks).
2. Check halyards and especially splices for wear. Check all shackles for proper operation and use a Teflon lubricant if required.
3. Check all stays and their deck fittings for cracks, discolouration and fatigue.
3. Check all rigging screws and lubricate. Note that rigging screws should be lubricated at least every three months.
4. Check lifelines for wear around and through the foundations.
5. Check the Mast Base for signs of stress, and that the Heel Plug is sitting properly in position. If the mast is keel stepped, check partners and blocking for signs of undue stress.
6. Check the chain plates for stress or cracks, both above and below the deck and at their point of attachment.

**Note:** This is only a simplified list, it is important to remember that if in doubt about anything, contact your local rigger or Allyacht Spars Australia. Maintenance can solve most problems before they become serious.