

DESTINY'S NEW SAIL REQUIREMENTS 6-10-2013

RIG DIMENSIONS AND MISC. INFO.

J = 9 FT 3 INCHES

I = 31 FT 6 INCHES

P = 27 FT.

E = 11 FT 11 INCHES

DISTANCE FROM AFT EDGE OF MAST TO TACK PIN FOR MAIN = 1-1/2 INCHES

Mast has been converted to a fixed gooseneck

Mast track is 7/8 inch wide for sail slides

Distance from top of boom to point where sail slides come off track is = 10-3/4"

My sailing is mostly coastal cruising and I almost never competitively race. However if I get near another sailboat that is automatically a race.

We need to discuss optimum location to sheet the 135 genoa so I can plan for it now. The genoa sails will sheet to the toe rails.

We need to discuss the optimum location to sheet the working jib so I can plan for it now. The jib will sheet to tracks on the deck right beside the cabin.

My 135 genoa will be my general purpose sail that I will use unless it is blowing too hard for the sail. If it is blowing too hard for the genoa I will probably start out from the dock with a reef in the main so I would like the 110 jib when full hoisted to have its top at the same location as the top of the main with the first reef in it.

If I decide to buy a 155 genoa down the road I would like to know the optimum sheeting location now so I can place the track accordingly if it has a high cut clew that is approx 2 ft above the deck.

MAINSAIL

- 1.) Sailcloth for all new sails to be the most premium quality polyester dacron UV stabilized material you can buy.
- 2.) Mainsail is to be crosscut design with 3 partial and one full batten and be a loose foot design.
- 3.) Maximum roach that will pass by the backstay without a huge struggle every time.
- 4.) Mainsail to have two deep reef deep points that take up approx. 4 ft. of luff length per reef. Reef tack cringles to have "quick cringles AKA easy reefs" per the picture below and **be located so that slides do not need to be dropped off of the mast track to reef.** I want to discuss the option of a block at the clew reef points instead of just a cringle.



- 5.) Reef cringles on leech to be slightly higher than then reef tack cringles.
- 6.) Provide two cunningham cringles. One near the tack like normal and the other above the first reef point.
- 7.) All pressed eyes to be all stainless steel by Rutgerson Marin or equal.
- 8.) I would like to discuss some type of car that rides in the boom groove for the outhaul and clew to attach to so I can minimize friction.
- 9.) Additional items required for the mainsail are;
 - A - headboard
 - B - bronze luff slides
 - C - commander insignia
 - D - hull number on sail (hull 147)
 - E - both foot and leech tension lines.
 - F - leech tension lines to have adjustment points above each reef.
 - G - sail bag or sail sleeve (help me decide which way is better).
 - H - 2 draft lines on sail with first one approx. half way up and the second appropriately spaced above that.
 - I - Tell tails at each batten on the leech.
- 10.) Talk to me about lazy jacks. I may want to do that.

135 GENOA used up to approx. 20-22 mph (true) winds max.

- 1.) Sailcloth for all new sails to be the most premium quality polyester Dacron UV stabilized material you can buy.
- 2.) I want this to be a high cut genoa with the clew approx 2-1/2 ft. above the deck.
- 3.) Foam luff for improved reefing ability.
- 4.) Acrylic UV sun protection on leech sewn on.
- 5.) Two draft stripes one approx. 1/2 of the way up and the other an appropriate distance above that.
- 6.) Three sets of luff tell tails with windows.
- 7.) Provide leech and foot tension lines.
- 8.) Put hull number 147 on sail.
- 9.) This sail will be used on a Harken MKIV unit 0 furler.

110 working jib used in 15 to 35 MPH (true) winds max.

- 1.) Sailcloth for all new sails to be the most premium quality polyester Dacron UV stabilized material you can buy.
- 2.) Clew to be higher cut but this sail will sheet to different track from the Genoa's above. This will sheet to tracks beside the cabin.
- 3.) Foam luff for improved reefing ability.
- 4.) Acrylic UV sun protection on leech sewn on.
- 5.) Two draft stripes one approx. 1/2 of the way up and the other an appropriate distance above that.
- 6.) Three sets of luff tell tails with windows.
- 7.) Provide leech and foot tension lines.
- 8.) Put hull number 147 on sail.
- 9.) This sail will be used on a Harken MKIV unit 0 furler.

SAIL PLAN



