SAIL MEASUREMENTS FOR:

Name	Name of Measurer / Date Measured
	JUAN CARRION
Address	Day Phone:
City, State, Zip	E-Mail:
Manufacturer / Model / Year	
Boat Name: DORJE / Sail Number / Number Color	

The following measurements can be found on your boat's sail plan, rating certificate or in its specifications. If your boat has a rating certificate, please send us a photocopy.

I: 14.60 m. **J:** 4.20 m. **LL:** 14.16 m. **P:** 12.90 m **E:** 3.85 m. **LP:** 6.10 m.

Measurement Notes:

1. ***DO NOT*** *measure your old sails. Sails stretch and distort over the years. However, do include any unique details that pertain to the fit of your old sails to your boat, i.e. corner hardware or spreader patch position. The blank spaces on the form is for notes.*
2. *Make sure to use a steel or fiberglass reinforced measuring tape. Attach a separate "pull down" or retrieving line on your halyard before hoisting.* ***Do not rely on the measuring tape to pull the halyard down.***

BELOW CIRCLE WHICHEVER APPLIES

BOAT IS: Full Race Race/Cruise (Cruise)

HANDICAP RULES RACED UNDER: One-Design IRC (PHRF) Other:

BOAT'S RIG IS: (Masthead) Fractional Unstayed

RIG HAS: (Running Backstays) (Babystay)

BACKSTAY TENSION SYSTEM IS: (Turnbuckle) Block & Tackle Hydraulic

STEP 1: MAIN SAIL MEASUREMENTS

12.90 m

Max. Luff

☐ ***Check if measured to the band***

Main Sail Maximum Luff is measured by pulling the main halyard up as high as possible and then measuring to the top of the gooseneck. If your mast has a black band at the top, raise the tape until it is at the lower edge of the band. You'll probably have to site the position of the tape from off the boat. If you measured to the black band, check the box.

Straight Line Leech

Next, while the halyard is still all the way up, measure to the bearing point on the outhaul car when it is at the same angle as it is when sailing.

Mast Bend

Measure the amount of mast bend attaching the halyard to the gooseneck and then winching the halyard tight. Site up and record the maximum number of inches between the mast and the halyard. To help make your judgement, use the fore-and-aft dimension of the mast as a reference. Make sure that the backstay is tensioned before making the measurement.

3.85 m

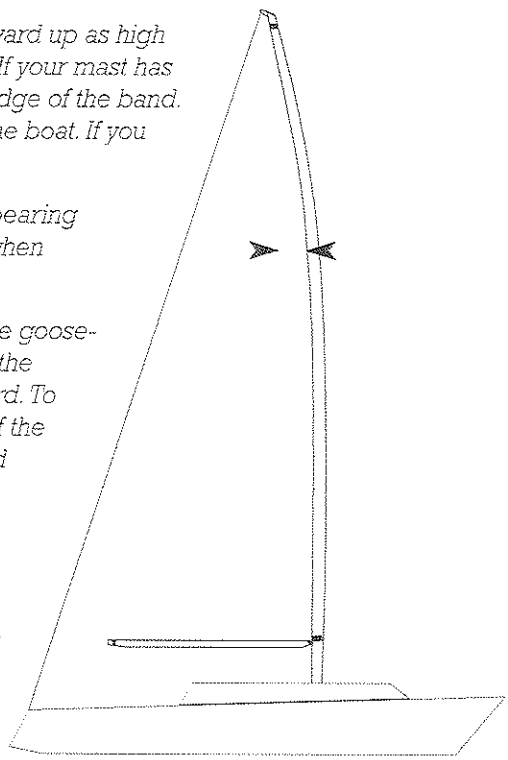
Max. Foot

☐ ***Check if measured to the band***

The maximum foot length of the main is measured along the boom, between the aft face of the mast and inner end of the black band at the end of the boom. If there is no measurement band, measure to the clew car pin when the car is at it's maximum extended position.

Mast to Backstay

With the boom level, measure from the aft face of the mast, along the boom, to the backstay.



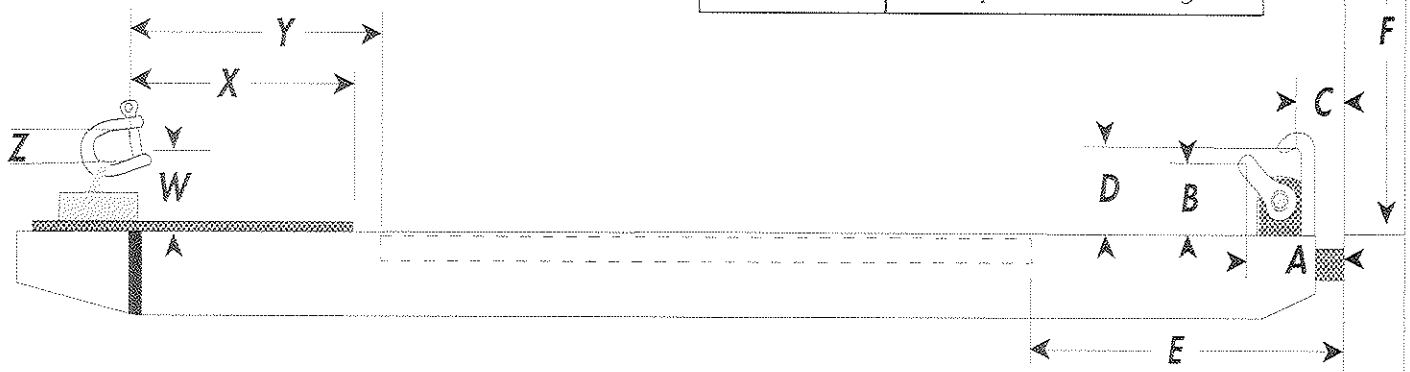
MORE MAINSAIL MEASUREMENTS

P:_____ E: _____

Fill in "W,X,Y,Z," if your outhaul is on a track, or just "Y" & "Z" if your out haul is just a shackle.

W 0.05 m.	*Height of bearing point on outhaul car from the top of the boom.*
X NO	*Distance from black band to loosest outhaul setting.*
Y 0	*Distance from black band to end of bolt rope groove or end of the boom track.*
Z 0.025 m.	*The jaw width of the shackle or tack attachment mechanism*

A 0.07 m	*Aft face of mast to bearing point of tack fitting.*
B 0.02 m.	*Top of boom to bearing point of tack fitting.*
C 0.09 m.	*Aft face of mast to bearing point of reef hook.*
D 0.025 m	*Top of boom to bearing point of reef hook.*
E 0	*Aft face of mast to end of groove or track.*
F 0.27 m	*Top of boom to luff groove exit or slide stop—whichever is higher.*



☐ *Clew Slug* ☐ *Outhaul Car* ☐ *Velcro Strap (Boom Circumference Needed)* _____

NOTES

FOOT AND LUFF SLIDES

Slug or Bolt Rope

Circle one Slug or Rope Diameter

1/4"
5/16"
3/8"
7/16"
(1/2")

Groove Width:

☐ *Mast* ☒ *Boom*

External Slide

Track Width Circle one

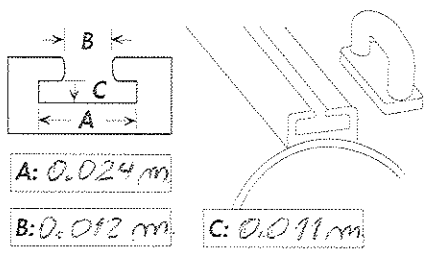
5/8"
7/8"
1"

☐ *Mast* ☐ *Boom*

INTERNAL SLIDE

Slide Width: Circle one

5/8"
3/4"
7/8"
15/16"



A: 0.024 m

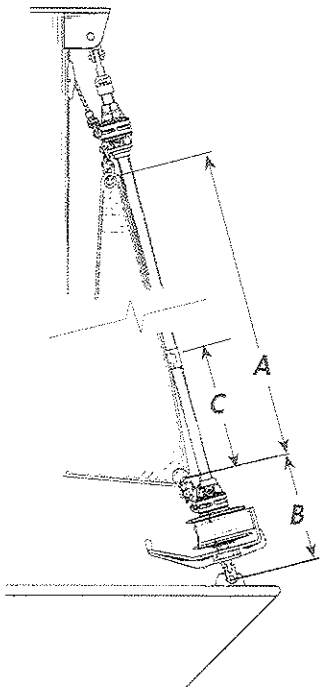
B: 0.012 m.

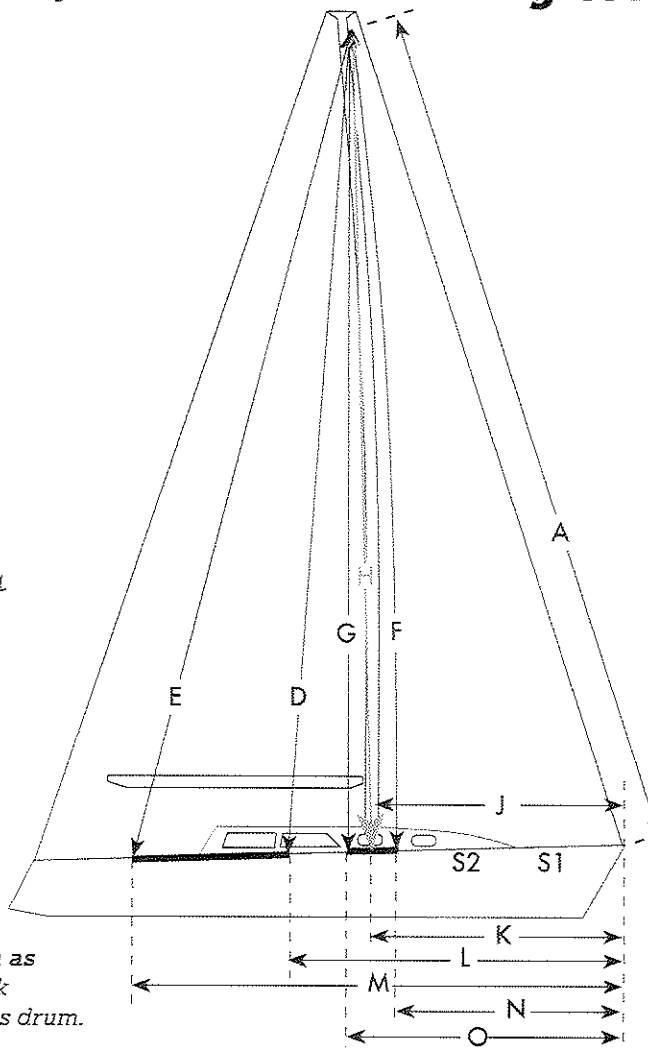
C: 0.011 m.

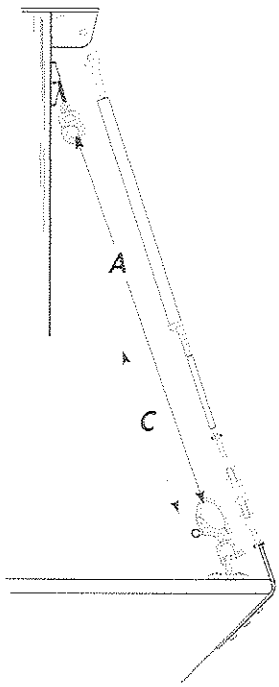
☒ *Mast* ☐ *Boom*

HEADSAIL MEASUREMENTS

I: _____ J: _____ **Roller Furling Cover Side:** _____







Maximum Luff Roller Furlers

When furling system installed, measure *the maximum luff by attaching a tape measure to lower shackle of the halyard swivel. Next, raise swivel as* ***high as possible*** *and measure to the tack shackle on the top of furling unit's drum.*

Maximum Luff No Furler

Measure the max luff by attaching a tape measure to the GENOA halyard shackle and raise the halyard as high as it will go. Measure to the bearing point on the tack fitting.

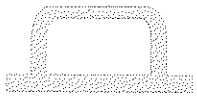
TENSION THE BACKSTAY TO AVERAGE UPWIND SETTING BEFORE TAKING MEASUREMENTS.

A: 14.16m **B:** 0.33m. **C:** 0.73 m.	***A***: *Maximum Luff . If measured between the swivels of your furler, under line "furler"* ***B***: *Forestay attachment pin to tack shackle on the roller furling drum.* ***C***: *Bearing point of tack shackle to the feeder in the headstay foil.*
If using roller furler, raise swivel as high as it will go, otherwise raise genoa halyard and take the following measurements.	
D: — **E:** 15 mm. **F:** 14.45m **G:** — **H:** 14.50mm.	***D***: *Forward end of the genoa track. Make sure tape passes around the shrouds as if it were the leech of a sail. Pull tight when measuring.* ***E***: *Aft end of the genoa track; use above procedure.* ***F***: *Forward end of No.3 track* ***G***: *Aft end of No.3 track* ***H***: *To the chainplate.*
Take the following measurements along the deck from the bearing point on the ***tack fitting****.*	
J: 4.20m **K:** 4.40m. **L:** NO **M:** 7.50m. **N:** 3.70m **O:** NO **S1:** 2.95m **S2:** 4.95m **S3:** **S4:** **S5:** **SH:** 0.64m.	***J***: *To the front of the mast* ***K***: *To the base of the shrouds.* ***L***: *To the bearing point of the genoa car at the forward end of the genoa track* ***M***: *To the bearing point of the genoa car at the aft end of the genoa track* ***N***: *To the bearing point of the genoa car at the forward end of the No. 3 track (if separate).* ***O***: *To the bearing point of the genoa car at the aft end of the No. 3 track (if separate).* ***S1***: *To all the stanchions in front of the shrouds.* ***SH***: *Stanchion Height.*

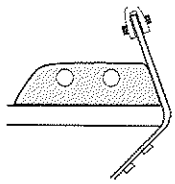
FORESTAY & TACK FITTING DETAILS

☐ HORN

☐ BAIL



☐ SINGLE PLATE



DRAW OTHER

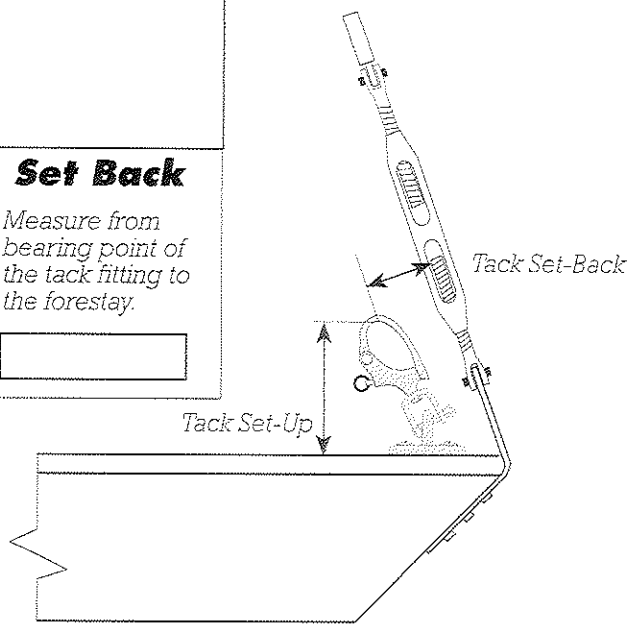
☐ SNAP SHACKLE

☐ DOUBLE PLATE

Tack Set Up & Set Back

From the bearing point of the tack fitting to the deck. the deck.

Measure from bearing point of the tack fitting to the forestay.



Headstay System

☐ *Hanks or Snaps*

Wire or Rod diameter:

☐ *Foil Headstay*

Manufacturer:

Model/Size:

Luff Tape Size

☒ *Roller Furling:*

Manufacturer: HARKEN

Model/Size: MK IV - UNIT 1

Luff Tape Size: 0.005 m

Side for UV Cover: PORT

With this information your UK Sailmaker will make sails that are custom designed for your boat. If your boat has rigging, spars or any hardware different than noted, please use the white space to tell us how it differs. Feel free to attach pictures and drawings on separate sheets of paper if needed. For instance, if your spars don't have black measurement bands, make sure to tell us where you measured to!

FINALLY, A PICTURE IS WORTH 1000 WORDS, PLEASE FEEL FREE TO INCLUDE PHOTOS OF YOUR TRACKS, TACK, CLEW, REEFING, AND FURLING GEAR.