

Name: _____
 Boat: _____
 Mast: _____

Date: _____

Etchells mast deflection test

- With the mast groove up, support mast at butt and upper band. Leave mast butt casting in place, so that mast is kept from rotating.
- Make sure the shrouds and hallyards are pulled tight below gooseneck so that no wire touch the ground
- Mark offset points between bands with the distances supplied on chart below.
- Pull string tight between mast bands. With tape, make sure string is level with sail groove. Use small thread for more accuracy.
- Measure deflection offset between string and mast without and with weight
- Use a five-gallon container of water (42 Lbs) for weight or 19.05 Kgs

Proportional location between bands	0	1/4	1/2	3/4	7/8	1
Meters from lower mast band	0 m	2.477 m	4.953 m	7.43 m	6.67 m	9.906 m
Unweighted deflection						
Weighted deflection						
Difference						

record deflection measurements at locations 1/4, 1/2, and 3/4 between the mast bands

