

FLYING FIFTEEN TUNING GUIDE.

TUNING IS KEY TO PERFORMANCE – P&B TUNING GUIDES ARE CREATED, TRIED AND TESTED BY OUR SAILORS AND BRAND AMBASSADORS.

CROSS SECTION VIEW OF MAST + SPREADERS



Take measurement **A** by intersecting a line between spreader ends with a perpendicular line from the mast track. Measurement **B** is taken from the side wall of the mast section to the spreader end.

MAST:

EPSILON / ALTO

CREW WEIGHT:

21 stone

A = 210mm

B = 422mm

SPREADER ANGLE:

24 stone **A**: 200mm / **B**: 422mm

26+ stone **A**: 185mm / **B**: 430mm

WIND SPEED (KNOTS)	1-6	7-10	11-15	16-20	21+
MAST RAKE	7570mm / 24'10"	7570mm / 24'10"	7570mm / 24'10"	7520mm / 24'8"	7470mm / 24'6"
RIG TENSION LOOS PRO RIG GAUGE	23 300lbs	25 350lbs	25 350lbs	25 350lbs	27 400lbs
MAST AT DECK	Pre bend 30mm	0mm to 5mm	0mm to 5mm	Pre bend 10mm	Pre bend 20mm
OUTHAUL	Ease 20mm	Ease 10mm	Tight	Very tight	Very tight
KICKER/VANG	Zero	Take up slack	Medium	Maximum	Maximum
REASON	Top telltale will stall.	2nd top telltale should be stalling 70% of time.	2nd top telltale should be stalling 70% of time.	To control twist and blade out mainsail.	To control twist and blade out mainsail.
CUNNINGHAM (CLOSE HAULED)	Zero	Zero	Zero	Medium	Maximum
MAINSHEET	Very little, do not close leach.	Try to keep boom on centreline, use sufficient to control leach twist as for kicker.	Try to keep boom on centreline, use sufficient to control leach twist as for kicker.	Ease to keep boat balance.	Ease to keep boat balance.
JIB FAIRLEAD FROM CENTRELINE	350-400mm	350-400mm	400mm	400mm	400mm
JIB FAIRLEAD FROM TRANSOM	3150mm	3150mm	3090mm	3090mm	3070mm
JIB LUFF TENSION WRINKLES	Wrinkles	Wrinkles	No wrinkles	Tight	Tight
JIB SHEET TENSION	Sheet so all luff telltales stream together.	Sheet so all luff telltales stream together.	Sheet so all luff telltales stream together.	Tight but ease in gusts.	Tight but ease in gusts.

MAST RAKE: Measured from top black band ie tape measure should read 6248mm to top of black band at gooseneck then read rake at top of the transom.

PRE-BEND: Rig tension on, main halyard tight to gooseneck, pre-bend equals distance at spreader height from mast track to halyard.

DATUM: this is a pre-bend of 25mm at spreader height.

CUNNINGHAM: May also be used on a fetch in strong winds as will as a spinnaker reach as a last resort. This flattens the sail, opens the leach and spills the wind.

MAST POSITION AT HEEL:

Mould 10 – aft mast to bulkhead 146mm
Mould 9 – aft mast 93mm from centreline of first set of keel bolts.

NEW JIB: Track 150mm further forward.