



			Light			Medium		Heavy		
Upwind cases	TWS	Kts	6	8	10	12	14	16	18	20+
	Heel	deg	8	10	14	18	20	23	25	25
	RM	T.m	6.45	7.30	9.02	10.55	11.25	12.22	12.82	12.82
Headstay										
	MemBrain Forestay setting	m	0.120	0.093	0.066	0.038	0.025	0.013	-0.012	-0.012
	Ram ease	m	0.130	0.100	0.075	0.050	0.035	0.025	0.000	0.000
	Mast Rake	deg	3.30	3.00	2.75	2.50	2.35	2.25	2.00	2.00
	Load	T	2.0	4.0	5.0	6.0	7.0	8.0	8.5	8.5
		klb	4.4	8.8	11.0	13.2	15.4	17.6	18.7	18.7
Mast Butt Pos										
	Boat (+ve AFT)	mm	-15	-10	-8	-5	-2	0	0	+2
	MemBrain (+ve AFT)	mm	5	10	12	15	18	20	20	22
	Rake below deck	deg	1.8	1.6	1.5	1.4	1.3	1.2	1.2	1.2
Shims										
	Full Shim stack = 0	mm	-10	-10	-8	-5	0	0	0	0
V1 load										
	Indicative Leeward V1 load	kg	640	620	610	615	630	811	750	730

Designer Comments

- * This information assumes the rig is tuned to the jack pressures and notes outlined in: "TP52 Beau Geste 2019 Docktune info Rev A.pdf"
- * Base ram ease at Docktune = 0.000mm (rake is 2.0° when ram fully closed)
- * Base butt position at Docktune = 0mm
- * +ve mast butt position = Butt moved AFT relative to Docktune baseline butt position
- * -ve mast butt position = Butt moved FWD relative to Docktune baseline butt position (Butt position moved FWD as TWS decreases)

Upwind notes

- * Designed with 10mm side chocks when sailing abv 16tws. Recommend to remove side chocks in light breeze for tuning purposes

Reaching + Downwind notes

- * Limit HS to 7.0T when using GS with MAX head load at 1.5T (combined luff + halyard)
- * Take care when sailing downwind to prevent rig inversion when sailing with A2/A3... Monitor mast bend at all times.
*** A2/A3 head load modelled at 0.9T (combined luff + halyard) ***
- * Code Zero MAX head load is 2.7T (combined luff + halyard)