



MELGES 20 QUICK TUNE GUIDE
2016 Southern Spars Mast with Dyform Rigging
**Mast built after July 2013 with Dyform shrouds*

TWS	Headstay	V1 Track	V1 Turns	D1 Track	D1 Turns	Diamonds	Jib Lead	Vang	Outhaul	Jib Sheet	X Sheet	Jib Furl
0 - 6	BASE	0 to 2	- 6	1	0	- 6	0	0%	Loose	Loose -3"	0 to 1"	In
7 - 9	BASE	0 to 3	- 4	1 to 2	0	- 4	1	0%	Loose	Firm to -1"	1"	In
10	BASE	1 to 4	0	2	0	0	1	25%	Firm	Firm	1" to 2"	Out
11 - 12	BASE	1 to 4	+ 4 to +6	2 to 3	0	+4 to +6	2	35%	Firm	Firm	1" to 2"	Out
12 - 14	BASE	2 to 4	+ 10	2 to 4	0	+10 to +12	2 to 3	60%+	Firm	Firm	1" to 2"	Out
15 - 17	BASE	3 to 5	+ 14	3 to 4	0	+14 to +16	3 to 4	75%+	Firm	Firm to -1"	0 to 1"	Out
18 - 22	+ 2	4 to Max	+16 to +18	4 to 5	+ 2	+16 to +18	3 to 4	95%+	Tight	-1" to -2"	0	Out
23+	+ 5	4 to Max	+ 20	4 to 5	+ 4	+20	4 to 5	100%	Tight	-2" to -3"	0	Out

*All turns are from BASE setting for V1's & Diamonds. Note: V1, D1 track # and Jib Lead settings are holes showing from the front of the tracks.

RAKE = 9341 mm or 30' 7 3/4" under tension at BASE setting. Measure this with a measuring tape in the main halyard shackle on lock, to the aft transome edge.

With the Harken Rig Pro Tension Meter or new Spinlock Gauge adjust the V1's to equal 295 kgs. with the car all the way forward. The D1 shrouds should be two holes back at 150 kgs.

Set the diamonds to 145 kgs at BASE.

Please note it helps to add some turns to the D1's & to the headstay in winds over 20+ to help with added headstay tension for overpowered conditions.

Quantum Melges 20 Base Settings & caliper #'s					
Turnbuckles	Port	Starboard		Harken or Spinlock	PT-1 #
V1	_____ mm	_____ mm		295 kgs	42
D1	_____ mm	_____ mm		150 kgs	33
Diamonds	_____ mm	_____ mm		145 kgs	28
Rake	9341 mm or 30' 7 3/4"				
Headstay	_____ mm	Headstay tension = 175 kgs			

Spreader Deflection	
Tip to tip number	
Top	660 mm
Bottom	1405 mm

Measure tip to tip at center of swage on shrouds

Use calipers to measure the distance between the threads on the seven turnbuckles when your rig is at base. Record these #'s for repeatability.