



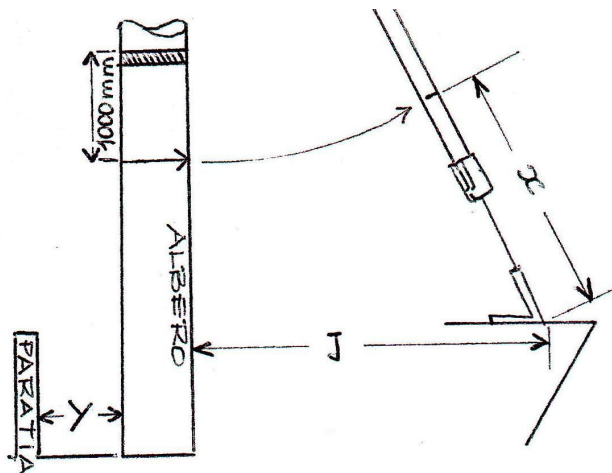
## X-35 Tuning Guide

### Headstay length

From the top of the BAS band go down 1.000 mm and with the jib halyard on that mark swing to the forestay and mark it. From this mark to the forward face of the deck-forestay intersection (see figure) measure  $X=1.270$  mm.

### Mast butt

From the aft face of the mast to the main bulkhead measure  $Y=182$  mm.  $J$  will be 4.190 mm (see figure).



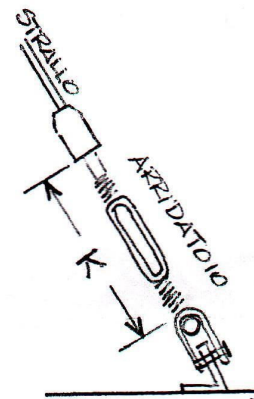
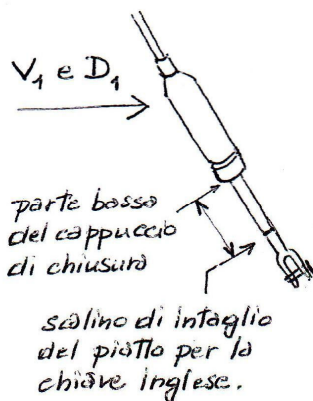
### Base rig setup

V1 1.450 Kg (taken with Loos Pro Model RT-10M tension gauge; don't buy it, lend it once!)

D1 43.5 (taken with Loos Pro Model PT-2M tension gauge)

D2 35 (taken with Loos Pro Model PT-2M tension gauge)

Keep your reference with the turnbuckles measures as well (see image).



### **Rig tuning**

<b>True Wind Speed [Kts]</b>	<b>Headstay</b>	<b>V1</b>	<b>D1</b>	<b>D2</b>
0-6	-4	-2	-1	-1
6-10	-2	-1	0	0
8-12	0	0	0	0
12-16	+2	+1	0	0
16-20	+4	+2	0	0
>20	+6	+3	+1	+1

All values are given in turnbuckles full turns from the base setup.

### **Mainsail trimming**

From 0 to 12 kts use the soft top batten. With more wind use the standard.

### **Headsail trimming**

Sign on the lower spreader 5 marks at 40 (#1) to 80 (#5) cm from the center of the shroud.  
Sign on the upper spreader 4 marks at 20 (#1) to 50 (#4) cm from the center of the shroud.

### **Code1 Jib**

<b>True Wind Speed [Kts]</b>	<b>Jib track [mm]*</b>	<b>Lower spreader1</b>	<b>Upper spreader</b>
0-5	670	3	3
6-8	700	2	3

### **Code2 Jib**

<b>True Wind Speed [Kts]</b>	<b>Jib track [mm]*</b>	<b>Lower spreader1</b>	<b>Upper spreader</b>
11-15			
15-18	800		

\*Center of the block from foremost track point

These values are only references. All trimming positions will vary with wave conditions, wind shear and tactical situations.

### **Sail code chart and polars**

<b>TRUE WIND SPEED [kt]</b>	<b>4</b>	<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>18</b>	<b>20</b>
<b>UPWIND</b>									
<b>BEAT ANGLES</b>	44.9	42.8	42.5	39.4	38	37.4	37.2	37.5	37.7
<b>BOAT SPEED</b>	3.53	5.36	6.49	6.71	6.87	6.99	7	7.0	7.07
<b>APPARENT WIND SPEED</b>	6.9	10.6	13.5	15.7	17.8	19.8	21.8	23.9	25.9
<b>SAIL CODE</b>		Code1 JIB							Code3 JIB
					Code2 JIB				
<b>DOWNWIND</b>									
<b>RUN ANGLES</b>	140.2	142.5	143.3	153.8	164.2	169.8	173.5	173.7	173.9
<b>BOAT SPEED</b>	3.95	4.69	5.85	6.19	6.5	6.97	7.4	7.8	8.2
<b>APPARENT WIND ANGLE</b>	71.1	91.5	95.8	127.6	136.9	153.2	158.9	160.9	162.9
<b>SAIL CODE</b>			Code1 SPI						
						Code2 SPI			

