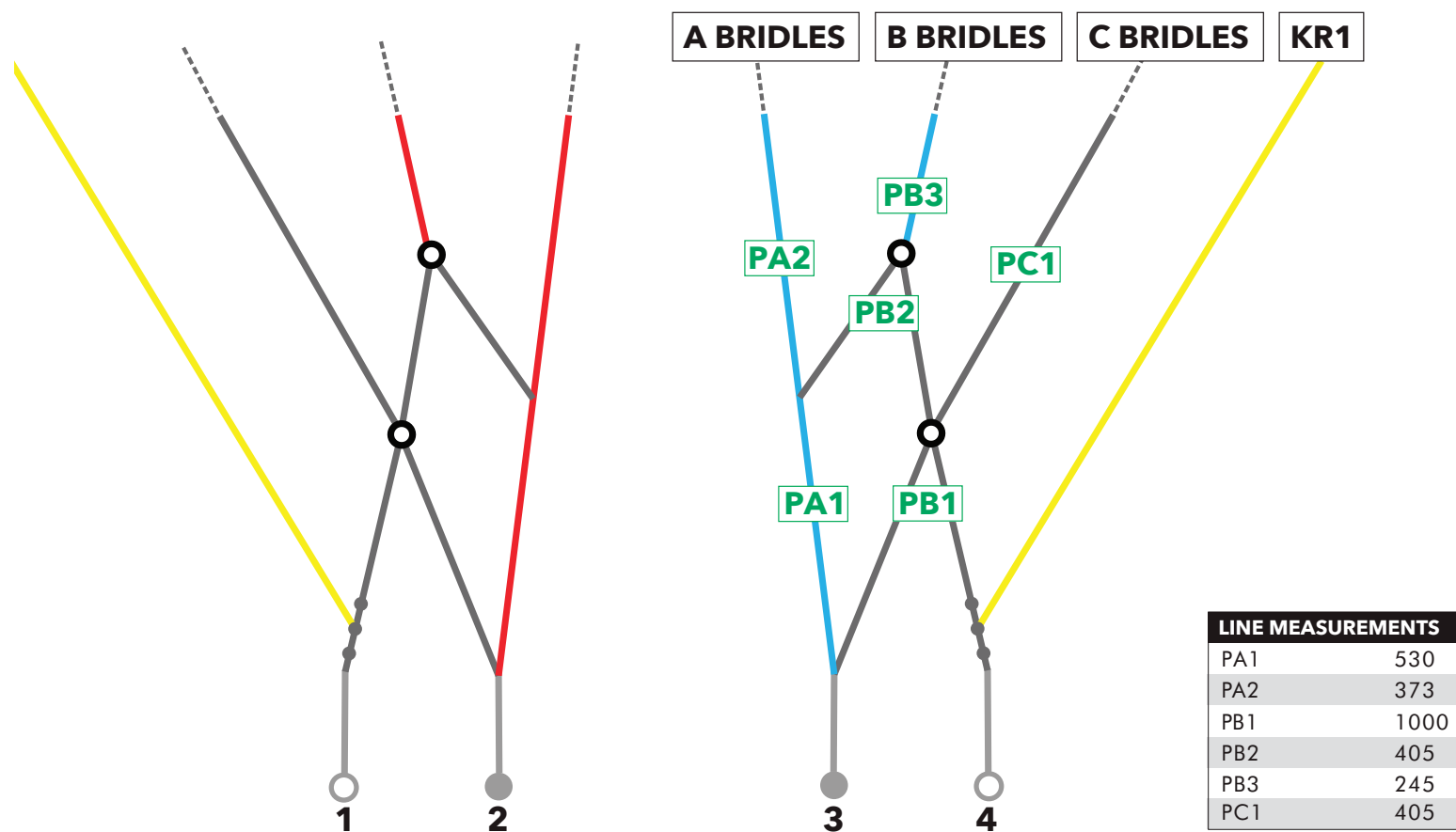


Speed System and Bridle lines should be regularly checked and maintained in the correct trim or the kite will not perform as designed.

EXP V1 SPEED SYSTEM



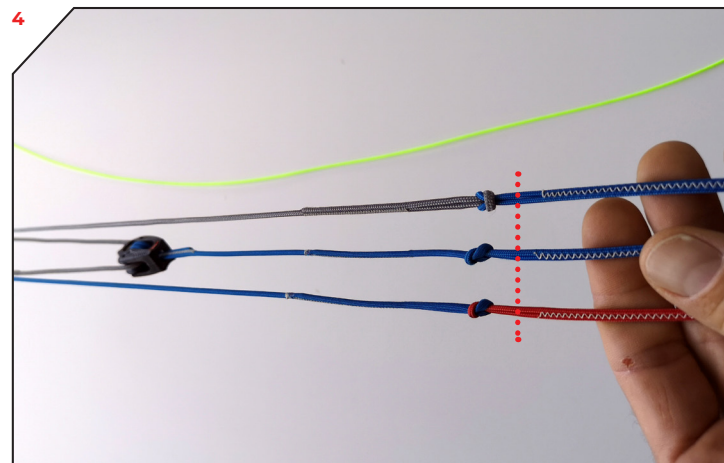
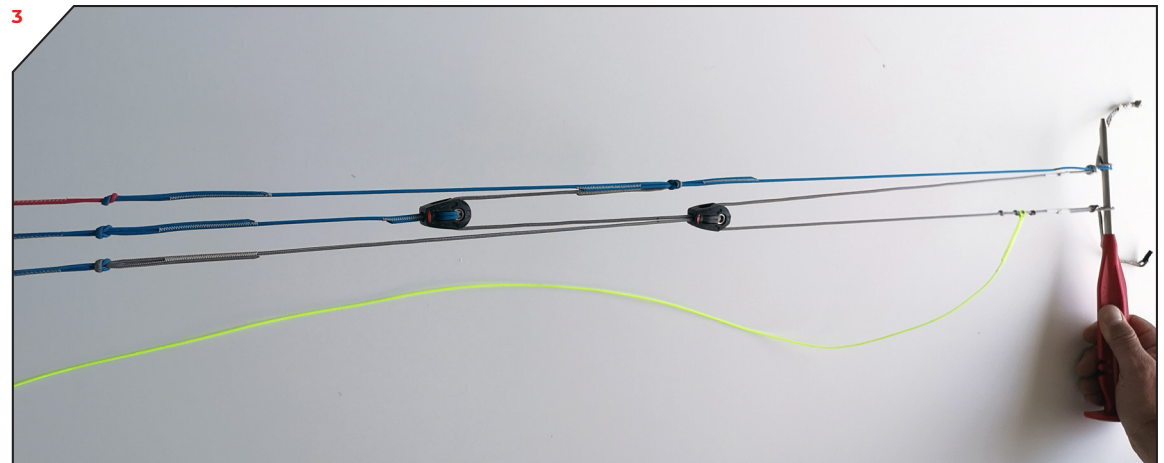
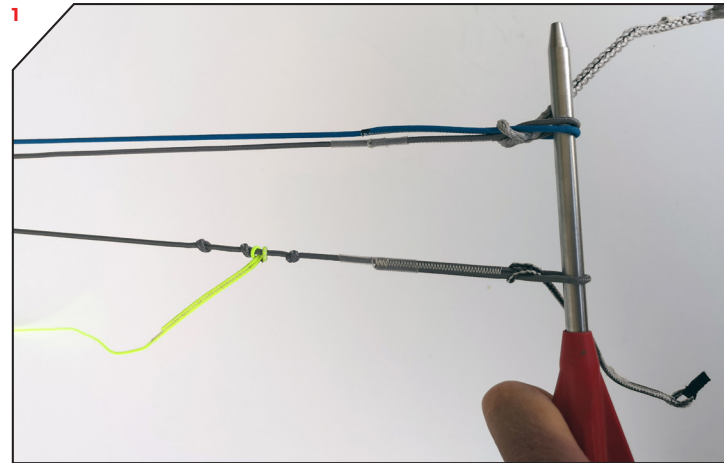
EXP_{V1}

SPEED SYSTEM 'ZERO' CHECK

Speed Systems that are worn or not to factory specification (+ or - 15mm) from the 'zero' position must be partially or completely replaced. Replacements can be ordered from your shop/dealer.

STEP-BY-STEP INSTRUCTIONS. REFER TO THE EXP V1 SPEED SYSTEM DIAGRAM AND PHOTOS.

1. Align the lower ends of the Speed System. These are lines PA1 (connected to pigtails #2 or #3), PB1 (running through the lower pulley connecting to pigtails #1 and #2 or #3 and #4) and KR1 (connecting to pigtails #1 or #4).
2. Ask a friend to hold the pigtails keeping the Speed System lower ends even, or use a Ground Stake (or a screw driver) through the lower ends.
3. Apply even tension through the Speed System by pulling on the A, B and C bridle line groups attached to the upper ends of PA2, PB3 and PC1 respectively.
4. The upper ends of PA2, PB3 and PC1 should each be at the same level + or - 15mm.
5. If the difference between the upper ends is more than 15mm, most likely the lines PB1 and PB2 running through the pulleys have shrunk/stretched and need replacing, or any other line is out of trim and/or damaged and needs replacing.



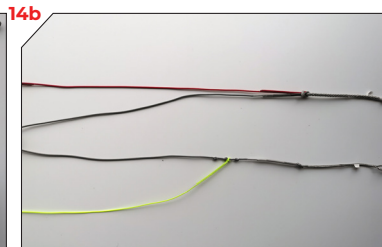
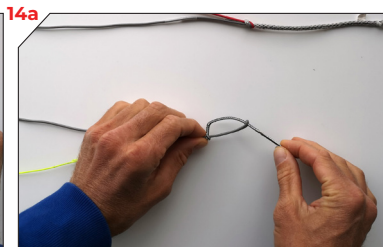
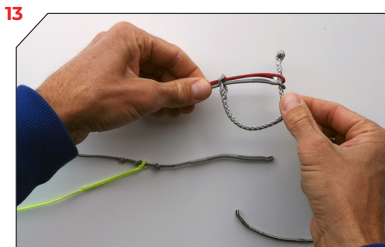
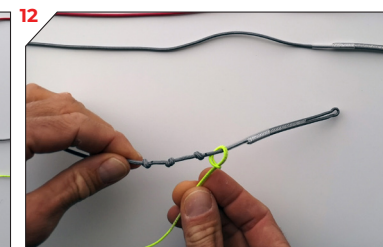
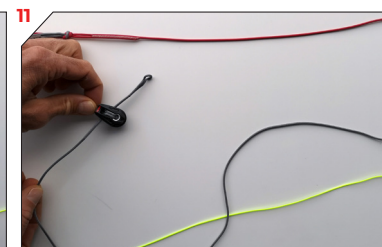
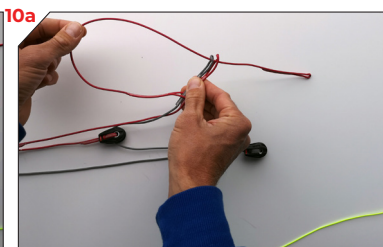
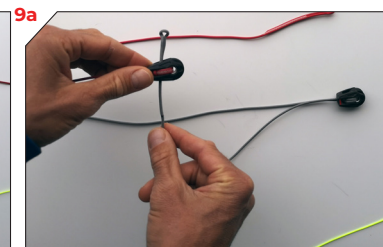
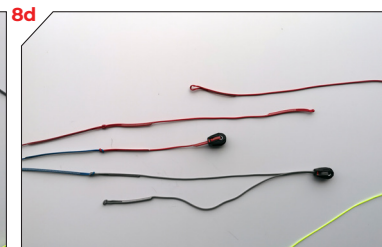
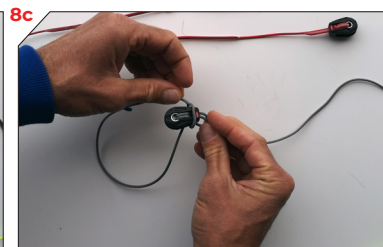
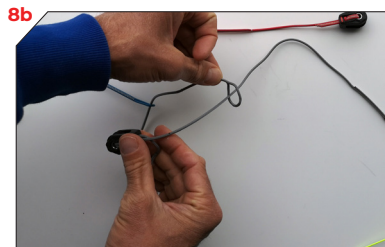
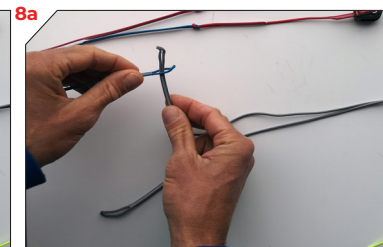
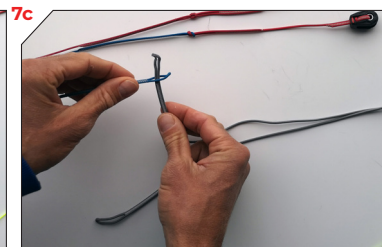
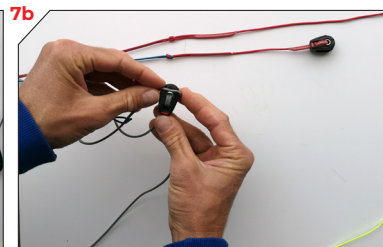
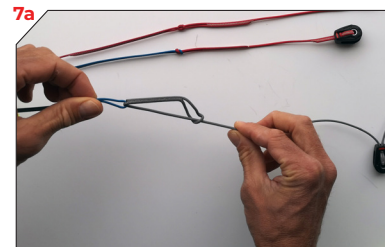
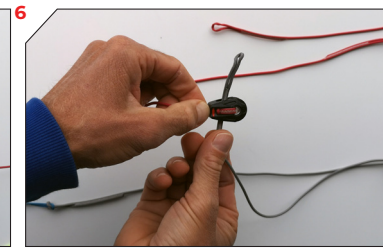
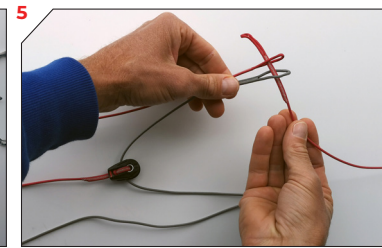
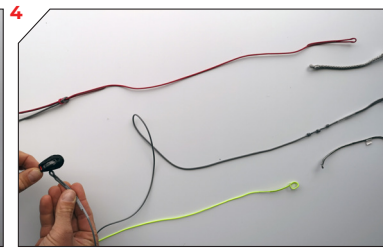
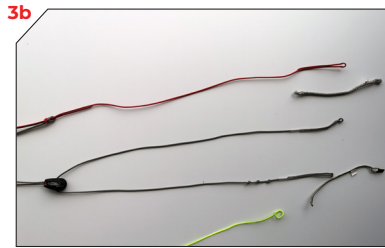
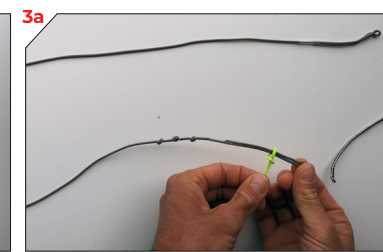
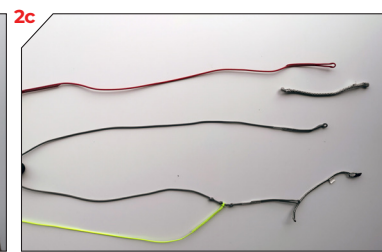
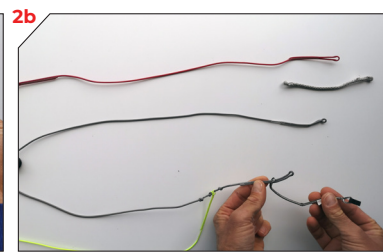
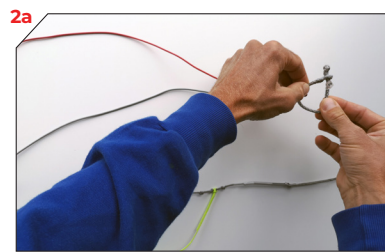


SPEED SYSTEM PULLEY LINE REPLACEMENT

The sheathed pulley lines (PB1 & PB2/PC1) will wear over time and will need to be replaced. Make sure you check them before every session. If the Speed System lines have shrunk or stretched drastically they might be damaged. Make sure you check every single Speed System line to their specs and if necessary replace them. Replacements can be ordered from your shop/dealer.

STEP-BY-STEP INSTRUCTIONS. REFER TO THE EXP V1 SPEED SYSTEM DIAGRAM AND PHOTOS.

1. Disconnect the flying lines and lay the Speed System out in an open area.
2. Disconnect the front (#2 or #3) and back (#1 or #4) pigtails.
3. Remove KR1 from PB1 knot.
4. Remove PB1 from the lower pulley and discard.
5. Disconnect PA1 from PA2 and PB2.
6. Remove PB2 from the upper pulley.
7. Disconnect PB2/PC1/pulley from the C bridle - loosen the loop-to-loop connection and feed the pulley through the end loop of PC1. Discard PB2/PC1/pulley.
8. Take the replacement PB2/PC1/pulley and re-connect with the C bridle. The pulley goes through the end loop of PC1 i.e. reverse the previous steps.
9. Feed the replacement PB2 line through the upper pulley.
10. Connect replacement PB2 and PA2 with PA1.
11. Take the PB1 replacement line and feed it through the lower pulley.
12. Connect KR1 to PB1 knot.
13. Connect PB1 and PA1 to the front line pigtail (#2 or #3).
14. Connect the other end of PB1 to the back pigtail (#1 or #4).
15. Repeat the same process for the other speed system side.
Always check your speed system and replace lines when excessive wear shows.





BRIDLE LINE LENGTHS ALL MEASUREMENTS IN MM

BRIDLE LINES

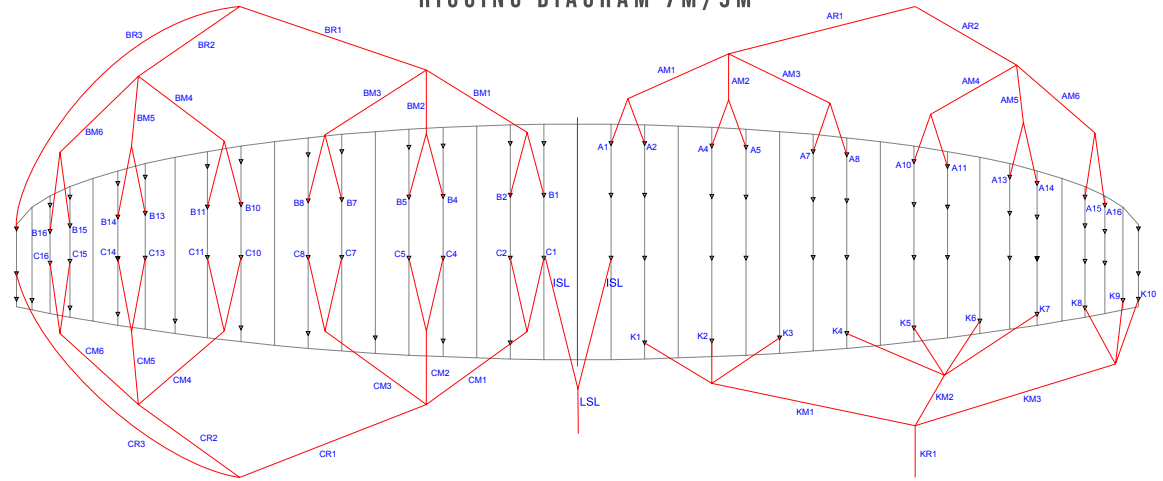
Bridle Lines that are worn or not to factory specification (+ or - 15mm) must be replaced. Replacements can be ordered individually or as a full set from your shop/dealer.

1. Open the kite out in a large space.
2. Inspect all bridle lines for wear/damage. Take note or label lines to be replaced.
3. Use a tape measure to measure the remaining bridles. Ask a friend to hold the end of the tape measure and bridle line in position to get an accurate measurement.
4. Pull on the line to add some tension and note each measurement.
5. Refer to the bridle line measurements sheet and rigging diagrams. Take note or label lines to be replaced.
6. Replace all bridle lines as necessary.

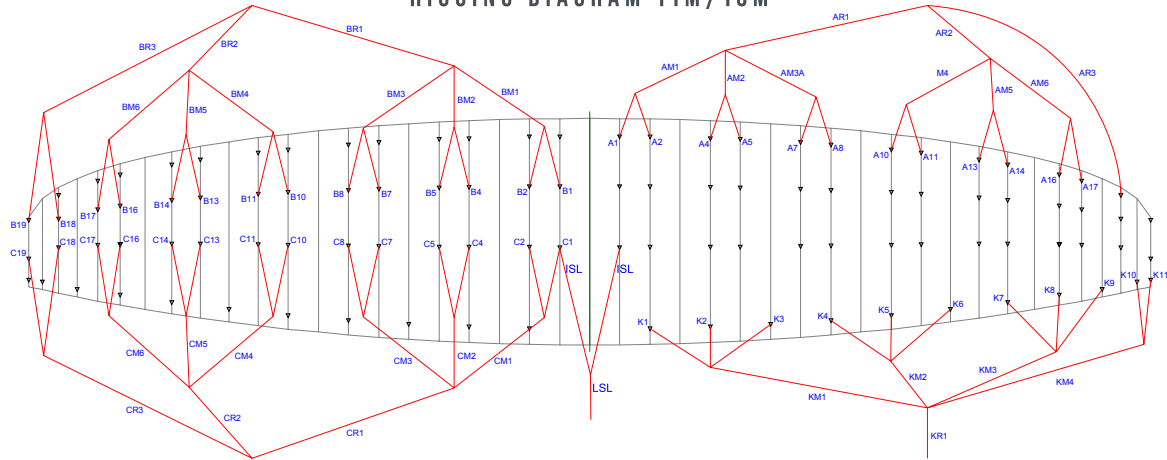
LINE	7m	9m	11m	13m	15m	18m
ISL	3120	3744	4120	4660	4740	5160
LSL	3900	4100	4800	4900	5300	5700
A1	373	395	429	445	521	570
A2	303	310	344	353	429	470
A4	268	353	379	393	472	527
A5	211	282	309	318	395	444
A7	300	320	330	359	435	490
A8	260	272	282	309	381	430
A10	308	303	390	439	504	557
A11	211	187	273	313	377	419
A13	303	243	336	406	414	483
A14	224	161	236	297	299	356
A15	235	197	-	-	-	-
A16	202	163	236	338	366	451
A17	-	-	236	274	288	362
A18	-	-	-	-	298	333
A19	-	-	-	-	204	231
AM1	1400	1680	1850	2000	2100	2300
AM2	1300	1470	1650	1780	1880	2050
AM3	1100	1290	1500	1600	1700	1850
AM4	1300	1480	1700	1850	2000	2200
AM5	1000	1170	1380	1480	1690	1840
AM6	850	960	1110	1200	1380	1480
AR1	2175	2475	2750	3000	3220	3500
AR2	1675	1925	2150	2300	2500	2700
AR3	-	-	3229	3497	3470	3780
B1	340	358	389	401	471	516
B2	270	274	304	310	380	417
B4	238	319	340	352	424	475
B5	182	250	272	278	349	393
B7	273	291	296	322	391	442
B8	235	245	250	274	339	385
B10	287	280	361	408	466	516
B11	192	167	247	285	341	380
B13	289	229	315	384	386	452
B14	212	147	218	276	274	329
B15	228	189	-	-	-	-
B16	193	152	280	324	350	434
B17	-	-	223	260	273	347
B18	-	-	927	995	297	312
B19	-	-	808	866	198	205
B20	-	-	-	-	939	1018
BM1	1400	1680	1850	2000	2100	2300
BM2	1300	1470	1650	1780	1880	2050
BM3	1100	1300	1500	1600	1700	1850
BM4	1300	1500	1700	1850	2000	2200
BM5	1000	1200	1400	1500	1700	1850
BM6	850	1000	1150	1250	1400	1500
BM7	-	-	-	-	900	980
BR1	2190	2490	2730	2980	3210	3480
BR2	1690	1940	2130	2280	2490	2680
BR3	2526	2839	2290	2490	2590	2840

LINE	7m	9m	11m	13m	15m	18m
C1	392	413	449	467	539	590
C2	322	328	364	375	447	490
C4	289	372	399	416	490	547
C5	231	301	329	341	414	464
C7	321	340	351	382	454	511
C8	280	291	302	331	400	451
C10	332	326	413	465	526	581
C11	234	209	297	339	399	443
C13	329	268	361	434	441	512
C14	248	182	260	323	327	387
C15	255	216	-	-	-	-
C16	213	170	317	365	398	486
C17	-	-	253	294	315	394
C18	-	-	957	1027	336	355
C19	-	-	840	902	230	240
C20	-	-	-	-	990	1069
CM1	1400	1680	1850	2000	2100	2300
CM2	1300	1470	1650	1780	1880	2050
CM3	1100	1300	1500	1600	1700	1850
CM4	1300	1500	1700	1850	2000	2200
CM5	1000	1200	1400	1500	1690	1850
CM6	850	1000	1150	1250	1400	1500
CM7	-	-	-	-	900	980
CR1	2200	2470	2720	2970	3200	3480
CR2	1700	1920	2120	2270	2480	2680
CR3	2567	2880	2270	2480	2580	2830
K1	1189	1353	1504	1681	1822	1998
K2	964	1076	1226	1383	1529	1679
K3	781	854	1000	1139	1284	1412
K4	1311	1453	1473	1594	1605	1752
K5	1098	1192	1216	1323	1330	1453
K6	919	981	1022	1120	1125	1229
K7	791	850	1005	1176	1183	1314
K8	459	470	809	963	934	1044
K9	347	342	704	843	803	898
K10	328	324	465	501	549	627
K11	-	-	435	468	486	559
K12	-	-	-	-	463	532
KM1	1500	1730	1900	2000	2160	2350
KM2	790	910	1200	1300	1600	1750
KM3	940	1080	1000	1000	1300	1400
KM4	-	-	1100	1200	1350	1450
KR1	2300	2490	2675	2825	2940	3110

RIGGING DIAGRAM 7M/9M



RIGGING DIAGRAM 11M/13M



RIGGING DIAGRAM 15M/18M

