

WEAK LINK TABLES

Tables relate weak link ratings to an acceptable G rating range (1.3 to 2.0) for hang and para gliders based upon their maximum certified operating (all up) weights. Weak link strengths are given in decaNewtons and pounds, glider weights are given in kilograms and pounds. The last four columns of both tables convert the previous four columns from metric to English and vice versa.

The left side table lists a weak link range in decaNewtons. Where Tost inserts are available the tolerance, number designation, and color coding appears. Kilogram equivalents are listed in the fifth column. Example: A glider with a 100 kilogram (220 pound) maximum all up weight specification wishing to limit tow tension to about one and a half Gs would use a 150 decaNewton (Tost Number 9 Gray) weak link.

The right side table lists a weak link range in pounds. Example: A glider with a 300 pound (136 kilogram) maximum all up weight specification wishing to limit tow tension to one and a half Gs would use a 450 pound weak link.

wl				wl	Gs	Gs	Gs	wl	Gs	Gs	Gs		wl	Gs	Gs	Gs	wl	Gs	Gs	Gs
daN	+/-	#	clr	kg	2.0	1.5	1.3	lb	2.0	1.5	1.3		lb	2.0	1.5	1.3	kg	2.0	1.5	1.3
50				51	26	34	39	112	56	75	86		100	50	67	77	45	22	30	35
60				61	30	41	47	135	68	90	104		125	62	83	96	57	28	38	44
70				71	36	47	55	157	78	105	121		150	75	100	115	68	34	45	52
80	10	11	orng	82	41	55	63	180	90	120	138		175	88	117	135	79	40	53	61
90				92	46	61	71	202	101	135	155		200	100	133	154	71	36	47	55
100				102	51	68	78	225	112	150	173		225	112	150	173	102	51	68	78
110				112	56	75	86	247	124	165	190		250	125	167	192	113	56	75	87
120	10	14	trqs	122	61	81	94	270	135	180	208		275	138	183	212	125	62	83	96
130				133	66	89	102	292	146	195	225		300	150	200	231	136	68	91	105
140				143	72	95	110	315	158	210	242		325	162	217	250	147	74	98	113
150	15	9	gray	153	76	102	118	337	168	225	259		350	175	233	269	159	80	106	122
160				163	82	109	125	360	180	240	277		375	188	250	288	170	85	113	131
170				173	86	115	133	382	191	255	294		400	200	267	308	181	90	121	139
180				184	92	123	142	405	202	270	312		425	212	283	327	193	96	129	148
190				194	97	129	149	427	214	285	328		450	225	300	346	204	102	136	157
200	20	8	mauv	204	102	136	157	450	225	300	346		475	238	317	365	215	108	143	165
250				256	128	171	197	562	281	375	432		500	250	333	385	227	114	151	175
300	30	7	gren	306	153	204	235	674	337	449	518		525	262	350	404	238	119	159	183
350				357	178	238	275	787	394	525	605		550	275	367	423	249	124	166	192
400	40	6	yllw	408	204	272	314	899	450	599	692		575	288	383	442	261	130	174	201
450				459	230	306	353	1012	506	675	778		600	300	400	462	272	136	181	209
500	50	5	whit	510	255	340	392	1124	562	749	865		625	312	417	481	283	142	189	218
550				561	280	374	432	1236	618	824	951		650	325	433	500	295	148	197	227
600	60	4	blue	612	306	408	471	1349	674	899	1038		675	338	450	519	306	153	204	235
700				714	357	476	549	1574	787	1049	1211		700	350	467	538	218	109	145	168
750	75	3	redd	765	382	510	588	1686	843	1124	1297		725	362	483	558	329	164	219	253
800				816	408	544	628	1798	899	1199	1383		750	375	500	577	240	120	160	185
850	85	2	brwn	867	434	578	667	1911	956	1274	1470		775	388	517	596	352	176	235	271
900				918	459	612	706	2023	1012	1349	1556		800	400	533	615	363	182	242	279
950				969	484	646	745	2136	1068	1424	1643		825	412	550	635	374	187	249	288
1000	100	1	blck	1020	510	680	785	2248	1124	1499	1729		850	425	567	654	386	193	257	297
													875	438	583	673	397	198	265	305
													900	450	600	692	408	204	272	314
													925	462	617	712	420	210	280	323
													950	475	633	731	431	216	287	332
													975	488	650	750	442	221	295	340
													1000	500	667	769	454	227	303	349