

Clonalis Carolan harp



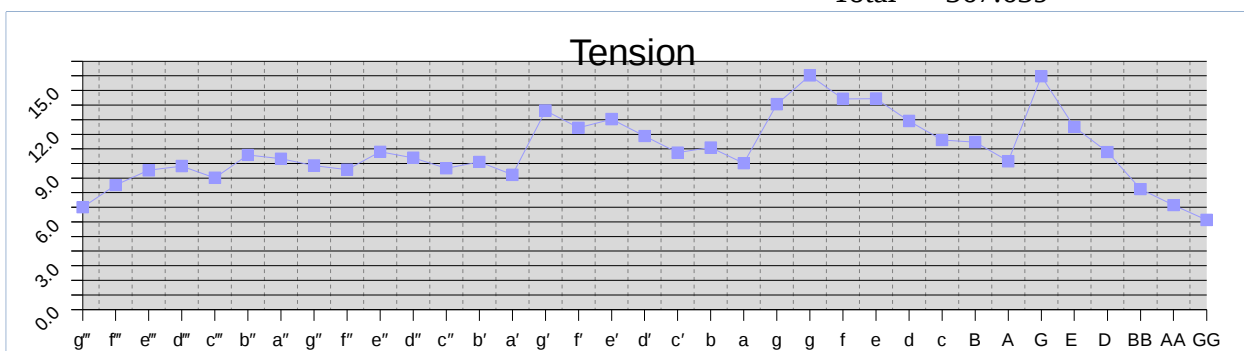
Suggested 1-2 stringing and tuning

String lengths extracted from scaled photograph ($\pm 10\text{mm}$)

This analysis by Simon Chadwick March 2020

Pin	Shoe	freq	Note	Length (cm)	Length (in)	Gauge (mm)	Gauge (in)	Tension	Metal
0	1								
1	2	1568	g'''	6.7	2.6	0.48	0.019	7.0	Yellow brass
2	3	1396	f'''	8.3	3.3	0.48	0.019	8.5	Yellow brass
3	4	1318	e'''	9.3	3.7	0.48	0.019	9.5	Yellow brass
4	5	1174	d'''	10.6	4.2	0.48	0.019	9.8	Yellow brass
5	6	1046	c'''	11.4	4.5	0.48	0.019	9.0	Yellow brass
6	7	986	b''	13.1	5.2	0.48	0.019	10.6	Yellow brass
7	8	880	a''	14.5	5.7	0.48	0.019	10.3	Yellow brass
8	9	784	g''	15.9	6.3	0.48	0.019	9.9	Yellow brass
9	10	698	f''	17.6	6.9	0.48	0.019	9.6	Yellow brass
10	11	659	e''	19.8	7.8	0.48	0.019	10.8	Yellow brass
11	12	587	d''	21.8	8.6	0.48	0.019	10.4	Yellow brass
12	13	523	c''	23.6	9.3	0.48	0.019	9.7	Yellow brass
13	14	493	b'	25.6	10.1	0.48	0.019	10.1	Yellow brass
14	15	440	a'	27.4	10.8	0.48	0.019	9.2	Yellow brass
15	16	392	g'	29.9	11.8	0.6	0.024	13.6	Yellow brass
16	17	349	f'	32.1	12.6	0.6	0.024	12.4	Yellow brass
17	18	329.5	e'	34.8	13.7	0.6	0.024	13.0	Yellow brass
18	19	293.5	d'	37.3	14.7	0.6	0.024	11.9	Yellow brass
19	20	261.5	c'	39.8	15.7	0.6	0.024	10.7	Yellow brass
20	21	246.5	b	42.9	16.9	0.6	0.024	11.1	Yellow brass
21	22	220	a	45.7	18.0	0.6	0.024	10.0	Yellow brass
22	23	196	g	48.6	19.1	0.75	0.03	14.1	Yellow brass
23	24	196	g	51.9	20.4	0.75	0.03	16.0	Yellow brass
24	25	174.5	f	55.3	21.8	0.75	0.03	14.4	Yellow brass
25	26	164.75	e	58.6	23.1	0.75	0.03	14.4	Yellow brass
26	27	146.75	d	62.2	24.5	0.75	0.03	12.9	Yellow brass
27	28	130.75	c	66.2	26.1	0.75	0.03	11.6	Yellow brass
28	29	123.25	B	69.8	27.5	0.75	0.03	11.5	Yellow brass
29	30	110	A	73.6	29.0	0.75	0.03	10.2	Yellow brass
30	31	98	G	77.7	30.6	1	0.039	16.0	Yellow brass
31	32	82.375	E	81.8	32.2	1	0.039	12.5	Yellow brass
32	33	73.375	D	85.3	33.6	1	0.039	10.8	Yellow brass
33	34	61.625	BB	88.8	35.0	1	0.039	8.2	Yellow brass
34	35	55	AA	92.6	36.5	1	0.039	7.1	Yellow brass
35	36	49	GG	96.3	37.9	1	0.039	6.1	Yellow brass

Total 367.639



Clonalis Carolan harp



Suggested 1-1 stringing and tuning

String lengths extracted from scaled photograph ($\pm 10\text{mm}$)

This analysis by Simon Chadwick March 2020

Pin	Shoe	freq	Note	Length (cm)	Length (in)	Gauge (mm)	Gauge (in)	Tension	Metal
1	1	1760	a'''	5.4	2.1	0.48	0.019	5.7	Yellow brass
2	2	1568	g'''	6.7	2.6	0.48	0.019	7.0	Yellow brass
3	3	1396	f'''	8.1	3.2	0.48	0.019	8.1	Yellow brass
4	4	1318	e'''	9.2	3.6	0.48	0.019	9.3	Yellow brass
5	5	1174	d'''	10.3	4.1	0.48	0.019	9.3	Yellow brass
6	6	1046	c'''	11.5	4.5	0.48	0.019	9.2	Yellow brass
7	7	986	b''	13.2	5.2	0.48	0.019	10.7	Yellow brass
8	8	880	a''	14.4	5.7	0.48	0.019	10.2	Yellow brass
9	9	784	g''	16.0	6.3	0.48	0.019	10.0	Yellow brass
10	10	698	f''	18.0	7.1	0.48	0.019	10.0	Yellow brass
11	11	659	e''	20.0	7.9	0.48	0.019	11.0	Yellow brass
12	12	587	d''	22.0	8.7	0.48	0.019	10.6	Yellow brass
13	13	523	c''	24.0	9.5	0.48	0.019	10.0	Yellow brass
14	14	493	b'	25.8	10.2	0.48	0.019	10.3	Yellow brass
15	15	440	a'	28.0	11.0	0.48	0.019	9.6	Yellow brass
16	16	392	g'	30.5	12.0	0.6	0.024	14.2	Yellow brass
17	17	349	f'	32.9	13.0	0.6	0.024	13.1	Yellow brass
18	18	329.5	e'	35.6	14.0	0.6	0.024	13.6	Yellow brass
19	19	293.5	d'	38.2	15.1	0.6	0.024	12.5	Yellow brass
20	20	261.5	c'	40.9	16.1	0.6	0.024	11.3	Yellow brass
21	21	246.5	b	44.0	17.3	0.6	0.024	11.7	Yellow brass
22	22	220	a	46.8	18.4	0.6	0.024	10.5	Yellow brass
23	23	196	g	49.9	19.7	0.75	0.03	14.8	Yellow brass
24	24	196	g	53.4	21.0	0.75	0.03	17.0	Yellow brass
25	25	174.5	f	56.8	22.4	0.75	0.03	15.2	Yellow brass
26	26	164.75	e	60.5	23.8	0.75	0.03	15.4	Yellow brass
27	27	146.75	d	64.2	25.3	0.75	0.03	13.8	Yellow brass
28	28	130.75	c	68.1	26.8	0.75	0.03	12.3	Yellow brass
29	29	123.25	B	71.9	28.3	0.75	0.03	12.2	Yellow brass
30	30	110	A	75.9	29.9	0.75	0.03	10.8	Yellow brass
31	31	98	G	80.2	31.6	1	0.039	17.0	Yellow brass
32	32	82.375	E	83.7	33.0	1	0.039	13.1	Yellow brass
33	33	73.375	D	87.4	34.4	1	0.039	11.3	Yellow brass
34	34	61.625	BB	90.9	35.8	1	0.039	8.6	Yellow brass
35	35	55	AA	94.6	37.3	1	0.039	7.5	Yellow brass
36	36	49	GG	99	39.0	1	0.039	6.5	Yellow brass

Total 382.507

