

## *Shooting the Stickbow - A Practical Approach to Classical Archery*

### Aluminum Spine / Weight Table

The following is an example of data compiled from the current EASTON Arrow Selector software. Data is for a 29" raw arrow shaft (used with a 28" draw length) unless otherwise noted.

For arrows other than the listed 29" lengths, add or subtract the number in the grain/inch column for every inch above or below 29" to determine raw shaft weight. For total arrow weight, add the pile weight, and approximately 20-25 grains for feathers, nocks, glue and paint (if any).

As previously noted, arrow deflection can be used to approximate spine for a given draw weight:

0.325"=90#    0.375"=75#    0.400"=65#    0.500"=55#  
 0.600"=50#    0.750"=35-40#    0.850"=30#

Shaft Size	Spine (inches)	Weight (grains)	Weight (gr/in)	Shaft Size	Spine (inches)	Weight (grains)	Weight (gr/in)
1214	2.501	142 - 24"	5.92	2112	0.590	244	8.41
				2113	0.540	270	9.31
1413	2.036	153 - 26"	5.88	2114	0.510	286	9.86
1416	1.684	194 - 27"	7.19	2115	0.461	312	10.76
				2117	0.400	349	12.03
1512	1.554	157 - 27"	5.81				
1514	1.370	184 - 27"	6.81	2212	0.505	256	8.83
1516	1.403	197 - 27"	7.30	2213	0.460	285	9.93
				2214	0.430	302	10.41
1612	1.298	170 - 27"	6.30	2215	0.420	309	10.66
1614	1.153	208 - 27"	7.70	2216	0.375	349	12.03
1616	1.079	227 - 27"	8.41	2219	0.337	399	13.76
1712	1.099	181 - 27"	6.70	2311	0.450	242	8.36
1713	1.044	200 - 27"	7.41	2312	0.423	275	9.48
1714	0.963	219 - 27"	8.11	2314	0.390	309	10.66
1716	0.880	261 - 29"	9.00	2315	0.340	338	11.66
				2317	0.297	385	13.28
1813	0.874	228	7.86				
1814	0.799	249	8.57	2412	0.402	280	9.66
1816	0.756	269	9.28	2413	0.365	302	10.41
				2419	0.268	422	14.56
1912	0.776	220	7.59				
1913	0.733	242	8.34	2511	0.348	233	8.1
1914	0.658	269	9.28	2512	0.321	298	10.28
1916	0.623	291	10.03	2514	0.305	329	11.34
2012	0.680	232	8.35	2612	0.285	280	9.68
2013	0.610	261	9.00	2613	0.265	333	11.48
2014	0.579	277	9.55				
2016	0.531	306	10.55	2712	0.260	275	9.5
2018	0.464	356	12.28				
2020	0.426	391	13.48				