



Wooden Arrow Spine Chart For Thumbdraw Shooter Asiatic Bows

Read information below the table carefully - This Table is just for a starter guidance

Draw weight at your actual draw length Selection Of Point Weight				Arrow Length - From The Bottom Of Nock Groove To Back Of Pile												
100grain pile	125grain pile	150grain pile	200grain pile	24" 60.96cm	25" 63.50cm	26" 66.04cm	27" 68.58cm	28" 71.12cm	29" 73.66cm	30" 76.20cm	31" 78.74	32" 81.28cm	33" 83.82cm	34" 86.36cm	35" 88.90cm	36" 91.44cm
35lb				15-19	20-24	25-29	30-34	35-39	40-45	45-44	45-49	50-54	55-59	60-64	65-69	70-74
40lb	35lb			20-24	25-29	30-34	35-39	40-45	45-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79
45lb	40lb	35lb		25-29	30-34	35-39	40-45	45-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84
50lb	45lb	40lb	35lb	30-34	35-39	40-45	45-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89
	50lb	45lb	40lb	35-39	40-45	45-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94
	55lb	50lb	45lb	40-45	45-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99
	60lb	55lb	50lb	45-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104
	65lb	60lb	55lb	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109
	70lb	65lb	60lb	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114
	75lb	70lb	65lb	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119
	80lb	75lb	70lb	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124
	85lb	80lb	75lb	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129
	90lb	85lb	80lb	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134
	95lb	90lb	85lb	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139
		95lb	90lb	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-144
			95lb	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-144	145-150

Bow poundage can also be show with #

All shaft spines stated above are in lb / #

All wooden shafts are measured over 26" on a spining jig as per the ATA Standards. The values above are only a guidance and could be different depending on your style of shooting, type of thumbing used, etc. BUT it gives you a starting point. The this should help with the dynamic spine of the arrow during flight, this is basically reducing the 'wobble' / flex of the arrow during flight and the loss of energy / forward motion of the arrow.

DISCLAIMERS: Please not shaft diameter will need to be decided by the archer when using this information and could affect the way the arrow flies, as well as the final spine needed. For shaft sizes below 5/16" you may have to go up in spine(s) to achieve the dynamic spine wanted in arrow flight. This table is just a starter guide. All info is based on a parallel shaft, if arrow is tapered or barrelled this will affect the arrow spine. A stiffer arrow shaft will need to be used as a base parallel form to make the tapered or barrelled.

Refer to the Dal's Archery Techincal Page as the above can be affected by what string material is used on your bow, bracing height, etc. all these things affect the spine of arrow you need.