

Violin

Size	4/4	7/8	3/4	1/2	1/4	1/8	1/16	1/32
Ages	9+		9-11	6-10	4-7	3-5	3-5	
Bow Length	745		690	630	550	500	450	
Body: Length	356	345	335	320	285	255	230	215
Width: upper	168	162	156	145	133			
middle	112	109	105	97	91			
lower	208	200	195	182	163			
Stop	195	189	183	171	159			
Ribs: Height	30-31.5	29.5-	29-	28-	26-			
Thickness	1.0	1.0	0.9	0.9	0.9			
Linings: Height	7	6	4	4	3			
Thickness	1.8	1.6	1.3	1.3	1.3			
Blocks: Upper	55x15	50x14	48x14	45x13	42x13			
Corners (finished- add 3 to split)	25x15	x14	x14	x13	x13			
Lower	47x14	45x13	44x13	41x12	37x12			
Riser Stick Allowance	8.0							
Arching Height: Back	15	14.3	14.1	13.7	13.2			
Top	16	15.2	14.9	14.3	13.7			
Back Thickness: Edge	3.7- <u>4.2</u>	3.8	3.5	3.2	3.1			
Corners & Button	4.2- <u>4.7</u>							
Center	4.5	4.3	4.0	3.6	3.3			
Rings	4.0-3.5							
Bouts	2.5-2.7	2.3	2.2	2.0	2.0			
Top Thickness: Edge	4.0- <u>4.5</u>	3.9	3.5	3.3	3.2			
Corners	4.5- <u>5.0</u>							
Sound Post	3.0	2.9	2.8	2.5	2.5			
ff Area	3.0							
Bouts	2.5	2.5	2.4	2.2	2.2			
Purfling: Dist From Edge	4	3.5	3.3	3.1	3.0			
Thickness	1.3	1.3	1.2	1.1	1.1			
Margin Width	2.5-3.5, <u>3.0</u>							
ff Holes: Length	75	73	71	68	62			
Minimum Width	6.5							
Distance to Edge	12	12	11	10	10			
Between Upper Eyes	41	41	38	35	32	29	27	
Bass Bar: Thickness	5.5	5.2	5.1	4.7	4.3	3.9	3.6	
Approx Dist to Edges	40							
Height	<u>12</u> (11-13), <u>8</u> -10, <u>2</u> -3	11	11	10	9.4	8.6	7.9	
Inside Bridge Foot	<u>1-1.5</u>							
Layout Proportion	1/7 (inside of bar)							
Scroll: Width at Ears	40							
Top of 1st Turn (approx)	<13							
Bottom of 1st Turn (approx)	27							
Length	108	104	101	94	85			

Size	4/4	7/8	3/4	1/2	1/4	1/8	1/16	1/32
Peg Box: Width at 4th Peg	25							
Width at Throat - Top	20	18.5	17	15.5	14.5			
Width at Throat - Back	21							
Wall Thickness at Upper Edge	4.8							
Wall Thickness at Lower Edge	5.5							
Floor Thickness	5.0							
Angle at Nut	104.5°							
Length	75	72	68	65	60			
Neck: Length	130	126	122	114	106			
Neck Length to Stop Ratio	2:3							
Thickness - Upper	18	17	16	15	14			
Thickness - Lower	19.5	18.5	17.5	16.5	15.5			
Edge to Heel Center	26							
Angle at Heel	86°	86°	86°	86°	86°	86°	86°	
Neck Set: Overstand	7	6.5	6.5	6	6			
Projection	26.5		25	24	22	20	19	
Offset Heel Layout (for button centering)	0.5							
Inclination to Upper String	-1							
Mortice Depth (approx.-including margin)	7							
Button: Height from Edge	12-13	12	11.5	11	10			
Width	20-22	20	19	18	16			
Fingerboard: Length	270	262	255	238	215	195	180	
Width at Nut	24-24.5	23	22	21	20			
Width at Neck Foot	32							
Width at Lower End	42.5-44	42	40	38	35			
Edge Thickness	5.5	5	5	4.5	4			
Radius of Curve	41.5-42	39.5	38	35	32	30	28	26
Hollowness (side, E, G)	1.0, 0.5, 1.0							
Nut: Width	6							
String Spacing	16.5	16	15	13.5	13	12.5	11.5	11.5
Height (above fb w/o notches)	0.6, 0.8							
Saddle: Width	36	35	34	33	32			
Height (above edge)	3.5							
Tailpiece: Distance to Bridge	54.5							
Length	110		105	95	89	82	75	
String Length	328	317	307	287	267			
Soundpost: Thickness	6.5	6	6	5	5	4	4	
Behind Bridge	2-3							
Inside Bridge Foot	1.5							
Bridge: Width	41 (39-41.5-44)	41	38	35	32	29	26	
Foot Thickness	4.5		3.9	3.6	3.3	3.0	2.8	
Foot Length	11.5							
Top Thickness	1.5		1.2	1.1	1.0	0.9	0.9	
String Spacing	34	33	31	28	26	24	23	22
String Height (gut/perlon)	4.5-5.5		3.2-5.1	3.0-4.7	2.7-4.3	2.5-3.9	2.3-3.6	
(steel)	3.5-5.0		2.3-3.7	2.1-3.4	1.9-3.1	1.8-2.9	1.6-2.6	
Finished Height (approx)	34	33	33	31	31			
Pegs: Distance Pegbox to Top of Head	35							
Distance Pegbox to Thumbpiece	16		15	14	13	11	10	
Thumbpiece Width	22		21	20	19	18	17	
Shaft Diameter (thickest point)	7.5	7.5	7.0	6.5	6.5	6.0	6.0	
String Angle Over Bridge	158°	157°	157°	156°	156°			