

Viola

Size	4/4 (17"+)	4/4 (16"-16.5")	4/4 (15"-15.5")	3/4 (14"-14.5")	1/2 (13")
Ages				9+	9-11
Bow Length	750	740	740	740	690
Body: Length	430	415	390-405	356	335
Width: upper	200	193	188	168	
middle	140	130	127	112	
lower	250	238	228	208	
Stop	225	<u>222-223</u>	210	195	
Ribs: Height	40-43	38-41	36-39	32-33.5 (?)	
Thickness	1.2?	1.1	1.1	1.0	
Linings: Height	7.5	7.5	7.5	7.0	
Thickness	1.8	1.8	1.8	1.8	
Blocks: Upper		60x16		55x15	
Corners (finished- add 3 to split)		28x17		25x15	
Lower		54x14		47x14	
Riser Stick Allowance		9		8	
Arching Height: Back	18	16.5- <u>17.8</u>	16	15	
Top	19	17.5- <u>18.3</u>	17	16	
Back Thickness: Edge	4.1	4	3.9	3.7-4.2	
Corners & Button		4.5		4.2-4.7	
Center	5	4.7	4.5	4.5	
Rings		4.2-3.7		4.0-3.5	
Bouts	2.8-3.0	2.7-2.8	2.5-2.7	2.5-2.7	
Top Thickness: Edge	4.4	4.3	4.2	4.0-4.5	
Corners		4.8		4.5-5.0	
Sound Post	3.2	3.1	3.1	3.0	
ff Area		3.1		3.0	
Bouts	3.0	2.7	2.6	2.5	
Purfling: Dist From Edge	4.4	4.2	4.0	4	
Thickness	1.4	1.3	1.3	1.3	
Margin Width		2.7-3.0		2.5-3.5, <u>3.0</u>	
ff Holes: Length		88		75	
Minimum Width		7.0		6.5	
Distance to Edge	13-15	13	13	12	
Between Upper Eyes	52.5	50.5- <u>52.5</u>	46.5-48.5	41.5	
Bass Bar: Thickness	6.5-7.0	6.0	6.0	5.5	5.1
Approx Dist to Edges		40- <u>45</u>		40	
Height	15, ,	14, 9, 2.5	13, ,	12, 8, 2	11,,
Inside Bridge Foot		1.5-2		1.5	
Layout Proportion		1/7 (inside of bar)		1/7	
Scroll: Width at Ears		47		40	
Top of 1st Turn (approx)		14		<13	
Bottom of 1st Turn (approx)		29		27	

Size	4/4 (17"+)	4/4 (16"-16.5")	4/4 (15"-15.5")	3/4 (14"-14.5")	1/2 (13")
Length	12.8	12.5	12.2	108	
Peg Box: Width at 4th Peg	28.5	26	26	25	
Width at Throat - Top	22	21	21	20	
Width at Throat - Back		22.5	22	21	
Wall Thickness at Upper Edge		6	5.5	4.8	
Wall Thickness at Lower Edge		6.5	6	5.5	
Floor Thickness		6	5.5	5.0	
Angle at Nut				104.5	
Length	84	82	80	75	
Neck: Length	150	148-150	140	130	
Neck Length to Stop Ratio		2:3		2:3	
Thickness - Upper	19	18.5	18.5	18	
Thickness - Lower	20.5	20	20	19.5	
Edge to Heel Center		26.5-27		26	
Angle at Heel	86°	86°	86°	86°	
Neck Set: Overstand	8.5	8	7.5	7	
Projection	31.5	31 (30-32)	30	27	25
Offset Heel Layout (for button centering)	0	0	0	0	
Inclination to Upper String	0	0	0	0	
Mortice Depth (approx.-including margin)	7.5	7.5	7.5	7	
Button: Height from Edge	15	15	14	12	
Width	22.5	22.5	22	20	
Fingerboard: Length	311	311	294	270	250
Width at Nut		24.5-25	24.5	24.5	
Width at Neck Foot		33.75		32.5	
Width at Lower End	47	45	43.5	43	
Edge Thickness	6.0-6.5	5.5-6	5.5-6.0	5.5	
Radius of Curve	37°	37°	37°	41.5° (4/4 Vn)	
Hollowness (side, A, C)		1.0, 0.6, 1.0-1.25		1.0, 0.5, 1.0	
Nut: Width		6.5		6	
String Spacing	17.5	17-17.5	16.5-17	16.5-17	16-16.5
Height (above fb w/o notches)		0.7, 1.1		0.7, 1.1	
Saddle: Width	39	38	37	36	
Height (above edge)	3.5	3.5	3.5	3.5	
Tailpiece: Distance to Bridge		61-62.5		54.5	
Length	135	130-133	125	110	105
String Length	375 ± 2	368- 375 ± 2 Only	355-375	328	310
Soundpost: Thickness	7-7.5	6.5- 7-7.5	7	6.5	6.0
Behind Bridge		2.5- 3-4			
Inside Bridge Foot		1.5-2		1.5	
Bridge: Width	50-52	48-50	46-48	41	38
Foot Thickness	4.7	4.6	4.6	4.5	4.2
Foot Length		13		11.5	
Top Thickness	1.6	1.5	1.5	1.5	1.3
String Spacing	36.5-38	36.5-38	36-36.5	34	31
String Height (gut/perlon)	4.5-6.5	4.5-(6 or 6.5)	4.5-(6 or 6.5)	4-6	3.7-5.6
(steel)	4-6	4-(5.5 or 6)	4-6	3.5-5.5	3.0-4.5
Finished Height (approx)		38-40		34	
Pegs: Distance Pegbox to Top of Head		37		35	
Distance Pegbox to Thumbpiece	18	17	17	16	15
Thumbpiece Width	25	24	24	22	21
Shaft Diameter (thickest point)	7.5-8.0	7.5-8.0	7.5	7.5	7.0
String Angle Over Bridge	157°	157°	157°	158°	