

Cello

Size	4/4	7/8	3/4	1/2	1/4	1/8
Ages	9+		9-11	6-10	4-7	3-5
Bow Length	715		670	630	590	560
Body: Length	745	720	690	650	580	530
Width: upper	340	326	315	290		
middle	240	225	210	200		
lower	440	413	400	375		
Stop	<u>400</u> -402	390	370	350		
Ribs: Height	115-120	109-114	90-105	85-100		
Thickness	1.5	1.5	1.4	1.4		
Linings: Height	20	18	16	14		
Thickness	2.4	2.4	2.0	2.0		
Blocks: Upper	120x35					
Corners (finished- add 3 to split)	55x35					
Lower	100x33					
Riser Stick Allowance	23					
Arching Height: Back	28	26	25	24		
Top	29	27	26	25		
Back Thickness: Edge	5	5	4.8	4.7		
Corners & Button	5.5-5.7					
Center	7.0	6.8	6.5	6.0		
Rings	4.5-6.0					
Bouts	3.5	3.4	3.1	2.9		
Top Thickness: Edge	5.3	5.3	5.0	4.9		
Corners	5.8-6.0					
Sound Post ff Area	5.0	4.8	4.5	4.1		
Bouts	3.5-4	3.4	3.1	2.8		
Purfling: Dist From Edge	5	4.5	4	4		
Thickness	1.6	1.5	1.4	1.4		
Margin Width	3.5-3.7	3.0	2.5	2.5		
ff Holes: Length	140	130	125	120		
Minimum Width	11					
Distance to Edge	<u>24</u> -28	26	24	22		
Between Upper Eyes	95	92	88	86		
Bass Bar: Thickness	10.5- <u>11</u>	10.5	10	9.5	8.5	8.0
Approx Dist to Edges	80- <u>85</u>					
Height	21- <u>27</u> , <u>15</u> -18, 5- <u>8</u>	24	23.5	23	21	19
Inside Bridge Foot	<u>2.5</u> -5					
Layout Proportion	1/5 (outside of bar)					
Scroll: Width at Ears	80					
Top of 1st Turn (approx)	19					
Bottom of 1st Turn (approx)	46					
Length	204	194	190	185		

Size	4/4	7/8	3/4	1/2	1/4	1/8
Peg Box: Width at 4th Peg	49	47	45	43		
Width at Throat - Top	32					
Width at Throat - Back	36					
Wall Thickness at Upper Edge	9.5					
Wall Thickness at Lower Edge	11					
Floor Thickness	10?					
Angle at Nut						
Length	135					
Neck: Length	280	273	259	245		
Neck Length to Stop Ratio	7:10	7:10	7:10	7:10	7:10	7:10
Thickness - Upper	28- 28.5					
Thickness - Lower	32					
Edge to Heel Center	39.5 -44					
Angle at Heel	82°	82°	82°	82°	82°	82°
Neck Set: Overstand	20- 23	22	21	20		
Projection	78- 81		74	68	62	57
Offset Heel Layout (for button centering)						
Inclination to Upper String	+1					
Mortice Depth (approx.-including margin)	10.5-12 (11)					
Button: Height from Edge	22-23	22.5	22	21		
Width	29.5	29	27	26		
Fingerboard: Length	580 578-583	570	550	510	450	410
Width at Nut	32	31	30	29		
Width at Neck Foot	44.5					
Width at Lower End	62.5	61	60	59		
Edge Thickness	7- 7.5	7	7	6		
Radius of Curve	70					
Bevel Width	1/3					
Hollowness (side, A, C)	1.5, 1.0, 1.5-2					
Nut: Width	9.5					
String Spacing	22 -23	21	20-21	19	17	16
Height (above fb w/o notches)	1.0, 1.5					
Saddle: Width	54	53	51	49		
Height (above edge)	5.5					
Tailpiece: Distance to Bridge	115					
Length	235?		215	200	180	160
String Length	690	672	637	602		
Soundpost: Thickness	11	10	9	8		
Behind Bridge	7 -12					
Inside Bridge Foot	2.5 -3-5					
Bridge: Width	91 (86-100)	84-86	80-85	77	69	65
Foot Thickness	10.5		10	9.3	8.6	7.9
Foot Length	24					
Top Thickness	1.9 -2.6		2.4	2.2	2.0	1.9
String Spacing	46.5 -48	45	43.5	41	37	34
String Height (gut/perlon)	6.2- 8.0		5.1-7.4	4.7-6.8	4.3-6.3	3.9-5.7
(steel)	5.5 -7		3.7-6.0	3.4-5.5	3.1-5.1	2.9-4.7
Finished Height (approx)	92					
Pegs: Distance Pegbox to Top of Head	58-62					
Distance Pegbox to Thumbpiece	28		26	24	22	20
Thumbpiece Width	38		36	34	32	30
Shaft Diameter (thickest point)	12.0	12.0	12.0	11.5	11.0	10.5
String Angle Over Bridge	153°					