

Average Measurements of the Violin in millimeters

Tuning: g d' a' e''		1/4	1/2	3/4	7/8	4/4
CORPUS	length	285	320	335	345	355
	width					
	upper bout ca.	133	145	156	162	168
	middle bout ca.	91	97	105	109	112
	lower bout ca.	163	182	195	200	206
SCROLL	length ca.	85	94	101	104	108
RIBS	height - uniform	26	28	29	29.5	30
	thickness ca.	1.0	1.0	1.1	1.1	1.1
MOLD	thickness					12
LININGS	thickness	1.5	1.5	1.5	1.7	1.8
	width	4	5	5	6	6
BLOCKS size	upper	41/13	44/13	47/14	48/14	50/15
	lower	36/12	39/12	42/13	43/13	45/14
	upper corners	14/7	15/8	15/8	16/9	22/10
	lower corners	16/8	17/9	17/9	18/10	21/11
ARCHING HEIGHT	back ca.	13.2	13.7	14.1	14.3	14.5
	belly ca.	13.7	14.3	14.9	15.2	15.5
BACK	average thickness at:					
	sound post	3.2	3.5	3.9	4.1	4.3
	upper and lower bouts	2	2	2.2	2.3	2.5
	sinking (in general)	1.8	1.8	2	2.1	2.3
	sinking at center bout	2	2	2.2	2.3	2.5
	edges	3.1	3.2	3.4	3.7	3.8
BELLY	average thickness at:					
	sound post	2.5	2.5	2.8	2.9	3
	upper and lower bouts	2.2	2.2	2.4	2.5	2.7
	sinking (in general)	2	2	2.1	2.3	2.4
	sinking at center bout	2.3	2.4	2.4	2.6	2.7
	edges	3.2	3.3	3.5	3.9	4
EDGES	overhang from ribs					2.2
CORNERS	width					7 - 7.5
	thickness, back ca.					4
	thickness, belly ca.					4.2
PURFLING	distance from edge ca.	3	3.1	3.2	3.3	3.5-3.8
	width ca.	1.1	1.1	1.1	1.1	1.2
FF-HOLES	length					
	between ends of wings	62	68	71	73	75
	between upper eyes	35	36	38	41	42
	lower eye to edge	10	10	11	11.5	12
MENSUR: 2:3 proportion						
	belly	159	171	183	189	195
	neck to edge	106	114	122	126	130
	addition for mortise					6
BASSBAR	after fitting					
	length ca.	215	240	255	267	276
	thickness ca.	4	4	4.5	5	5.5
	height at center ca.	8	9	10	11	12

		1/4	1/2	3/4	7/8	4/4
FINGERBOARD	length	215	238	255	262	270
	underside hollowing	60	70	78	90	100
	width at nut	20	21	22	23.5	24
	width at bridge end	35	38	40	42	43
	radius of curve	32	35	38	39.5	41.5
	thickness: end of neck	7	7	8	8.5	9
	thickness:edges	4	4.5	5	5	5.5
	projection (at bridge)					27
	ht over belly at bridge end	16.5	17	19.5	20	21
string angle at bridge	156°	156°	157°	157°	158°	
NUT	thickness	4	4.5	5	5	5.5
	SCROLL width at eyes					42
PEGBOX	width at nut		(see fingerboard width)			
	width at throat	14	15	16.5	18	19.5
	length ca.	60	65	68	72	72-76
	thickness of walls					5.5
PEGS distance	a - g	40	46	50	53	55
	e - d	12	13	14	15	16
	protrusion, pegbox to collar	9	10	10	11	12
NECK, foot	overstand*	5.5	6	6	6.5	6.5
	angle	87°	87°	87°	87°	87°
	thickness including fingerboard	15/17	16/18	17/19	18/20	19/21
BUTTON	width	17	19	20	21	21
	height	10	11	11.5	12	12
SADDLE	length	32	33	34	35	36
STRINGS s	spacing at nut	13	13.5	15	16	16.5
	spacing at bridge	26	28	31	33	34
	vibrating length: nut to bridge	267	287	307	317	328
	height over end of fingerboard					steel/gut
	e					2.5/3.0
	g				4/4.5	
SOUNDPOST	thickness ca.	4	4.5	5	5.5	6
BRIDGE	width at feet	32	37	38	41	42
	thickness					4.5
	height ca.	30	30	32	32	33

*height above belly taken at purfling, also called elevation or appui.