TABLE OF ADDITIONAL MEASUREMENTS

MAKER'S MEASUREMENTS Page 1 of 2

(Use with the basic table on page 10)	VIOLIN	VIOLA	CELLO
Body Outline	Refer to Patterns and molds.		
Body Length	358 (354)	397 (412)	755 (759)
Body Width, Upper	165	194	344
Body Width, Middle	109	127	230
Body Width, Lower	204	244	438
Upper Edge of Top to Bridge Center	195	212	400 (402)
Neck Length, Upper Edge of Top to Nut	130	141	280
Ratio of These Two Distances	3:2	3:2	10:7
Neck Length, Nut to Lower End of Neck	138	150	293
Neck Height at Lower End	41	50	140
Neck Width at Lower End	32	33	45
Neck Angle at Lower End, Degrees (See note 1.)	83.5	83	82
Neck Width at Back Button	21	22 (23)	28 (30)
Button Length	13 (12.5)	16 (13.5)	23
Saddle Length	36	40	60 (55)
Saddle Height	7.5	9.5	12.5
Saddle Width	6.0	8.0	10
Block Size, Upper	50 x l5 (60 x l4)	50 x 18 (60 x 15)	90 x 30 (120 x 22)
Block Size, Lower	50 x l2 (48 x l4)	50 x 14 (55 x 15)	85 x 30 (120 x 22)
Blocks, Comer	See Molds.		
Block Shape	See Patterns.		
Rib Height at Neck	30	37	115 (120)
Rib Height at Lower Block	31.5 (32)	40 (39)	118 (126)
Rib Thickness	1.0	1.1 (1.0)	1.6 (1.3-1.5)
Lining Thickness	2.0	2.2	3.0
Lining Height	6.0 (8.0)	7.0 (8.0)	14 (19)
Bar Width	5.5	6.0	11
Bar Height at Bridge, Approximate (See note 2.)	11	12	24
Bar Height at Ends, Approximate	2.0	2.5	5.0
Bar Length (7/9 of the Body Length)	278	309	587
(Others measure in 40, 45, and 80, respectively from each end of the top.)			
Scroll and Neck Outline Refer to pattern.			
Width of Scroll	42	50	66
Width of Chamfer on Scroll	1.7	1.9	2.2
Peg Ends: Cut off flush with pegbox; finish with a 20 mm radius.			
Peg Taper	1:30	1:30	1:23
Pegbox Width, Upper Inside	10	12	16
Pegbox Width, Lower Inside	14	19	28
Pegbox Side Thickness at Opening	5.0	5.5 (6.0)	8.0
Pegbox Side Thickness at Back	7.5	8.5	10.5
Nut Length	23.5	29	46
Nut Width, Underside	6.0	7.0	9.5

Note I - This angle is for a neck base parallel with the ribs. it is sometimes made larger to deepen the mortice at the back, but the fingerboard projection is not affected.

Note 2 - A traditional height; but I may use up to 14 mm. (on the violin, for example) to get the wanted tap tone with the sides of the bar planed to a thin tapered cross section for stiffness with less weight.