

Bows

BOW MEASUREMENTS

These are general measurements for bows. Measurements may vary because of variations in model and in character of wood. All measurements are millimeters and grams.

Basses: There is no recognized standardization for Bass bows.

		Violin	Viola	Cello	Bass (German/French)
Length	Wood only nipple to tip total length of stick	727mm	727mm	694mm	690 mm 750 / 725 mm
Weight	Fully mounted, average	60 g	70 g	80 g	125-135 g
	Average, Germany	60-62	70-72	80-82	
	Average, France	57-60	67-70	78-80	
	Average, England	61-65	71-75	81-86	
	maker - Bennewitz	55-57	63-65	70-75	
	maker - Möckel	58-62	65-70	75-80	
	maker - Wunderlich	58	60-62	76-78	130
	maker - Tourte, F. X.	60	70	80	
Balance Point	Fully mounted, frog full forward, measured from nipple	255 mm	255 mm	241 mm	
Stick	Thickness at frog	8.1 - 8.5	8.7	9.7	12-13 mm
	Thickness behind head	5.5	5.7	6.5	
	Mortise distance from nipple	20-21	20-21	21-25	9
	Mortise length	16	16.5	17-18	
	Mortise depth	6.2	6.5	7.2	
Tip					3.6 / 4.2
Head	Height, wood only	23	24.4	27	35 / 40
	Length: usually about the same as height, depending on the model used.				
	Width	10	11	12	19
Hair	Length	76-78	72-75	70-72	57-65
	Weight	5	6	7	9
Nipple	Width	6	6	7	
	Height	1.5	1.5	1.5	
Frog	Length	45	47	52	70
	Width	12.5-13.5	13.5-14	14.5-15.5	20
	Height at center	17.5-18.5	19.5-20	21-22	50/30
	Ferrule length	8-9.5	9-10	10-11.5	
	Ferrule Height	5.5-6	5.8-6.2	6.3-7	
	Pearl slide width front	7.5	7.8	8.5	
	Pearl slide width rear	7.0	7.3	8	
	Pearl slide thickness	1.5	1.5	1.8	2.5
Button	length overall	15	16	17-18	
	Length front ring*	5	5.5	6.5	
	Length back ring*	4	4.5	5.5	

*Varies according to model