



# Overtone Chart for E-Flat Tuba

Note: The fifth valve fingerings shown here are for a "flat whole step" fifth valve. The differences between compensating and non-compensating instruments on fourth-valve combinations are clearly indicated.

24th Partial (Sharp--Lower Slightly)												
23rd Partial (Very Sharp--Unusable)												
22nd Partial (Very Flat--Unusable)												
21st Partial (Very Flat--Unusable)												
20th Partial (Flat--Raise Slightly)												
19th Partial (Flat--Raise Slightly)												
18th Partial (Sharp--Lower Slightly)												
17th Partial (Sharp--Lower Slightly)												
16th Partial (Normal)												
15th Partial (Flat--Raise Slightly)												
14th Partial (Very Flat--Unusable)												
13th Partial (Very Sharp--Unusable)												
12th Partial (Sharp--Lower Slightly)												
11th Partial (Very Flat--Unusable)												
10th Partial (Flat--Raise Slightly)												
9th Partial (Sharp--Lower Slightly)												
8th Partial (Normal)												
7th Partial (Very Flat--Unusable)												
6th Partial (Sharp--Lower Slightly)												
5th Partial (Flat--Raise Slightly)												
4th Partial (Normal)												
3rd Partial (Sharp--Lower Slightly)												
2nd Partial (Normal)												
Fundamental (Normal)												
	0	2	1	1-2 3	2-3	4 1-3	2-4 1-2-3 2-3-5	Non-Compensating: 4-5 1-2-4 1-4	Non-Compensating: 2-3-4	Non-Compensating: 3-4-5 1-3-4	Non-Compensating: 2-3-4-5 1-3-4-5 1-2-3-4	Non-Compensating: 1-2-3-4-5 (Not present on four-valve instruments. False tones only.)
							Compensating: 1-4		Compensating: 1-2-4	Compensating: 2-3-4	Compensating: 1-3-4	Compensating: 1-2-3-4