

Overtone Chart for B-Flat Cornet/Trumpet

Micah Everett, DMA
 Associate Professor of Low Brass
 University of Louisiana at Monroe

Note: All sounding pitches are a major second lower than written.

The chart displays the overtone series for B-flat Cornet/Trumpet across seven different fingerings. Each row represents a partial, and each column represents a fingering. The notes are written in treble clef, and the sounding pitch is a major second lower than written. The fingerings are indicated by numbers 0, 2, 1, 1-2, 2-3, 1-3, and 1-2-3 at the bottom of each column.

Partial	Fingering 0	Fingering 2	Fingering 1	Fingering 1-2	Fingering 2-3	Fingering 1-3	Fingering 1-2-3
12th Partial (Sharp--Lower Slightly)	$\sharp\phi$	$\sharp\flat$	\flat	ϕ	$\flat\phi$	\flat	$\sharp\phi$
11th Partial (Very Flat--Unusable)	$\sharp\flat$	$\sharp\phi$	ϕ	$\sharp\flat$	\flat	$\sharp\phi$	$\sharp\flat$
10th Partial (Flat--Raise Slightly)	ϕ	$\sharp\flat$	\flat	$\sharp\phi$	ϕ	\flat	$\sharp\phi$
9th Partial (Sharp--Lower Slightly)	\flat	$\sharp\phi$	ϕ	\flat	$\flat\phi$	ϕ	$\sharp\phi$
8th Partial (Normal)	ϕ	\flat	$\flat\phi$	ϕ	$\flat\phi$	ϕ	$\sharp\phi$
7th Partial (Very Flat--Unusable)	$\flat\phi$	ϕ	$\flat\phi$	ϕ	$\flat\phi$	ϕ	ϕ
6th Partial (Sharp--Lower Slightly)	ϕ	$\sharp\phi$	ϕ	ϕ	$\flat\phi$	ϕ	$\sharp\phi$
5th Partial (Flat--Raise Slightly)	ϕ	$\sharp\phi$	ϕ	$\sharp\phi$	ϕ	ϕ	$\sharp\phi$
4th Partial (Normal)	ϕ	ϕ	$\flat\phi$	ϕ	$\flat\phi$	ϕ	$\sharp\phi$
3rd Partial (Sharp--Lower Slightly)	ϕ	$\sharp\phi$	ϕ	ϕ	$\flat\phi$	ϕ	$\sharp\phi$
2nd Partial (Normal)	ϕ	ϕ	$\flat\phi$	ϕ	$\flat\phi$	ϕ	$\sharp\phi$
Fundamental (Unusable)	ϕ	ϕ	$\flat\phi$	ϕ	$\flat\phi$	ϕ	$\sharp\phi$