

Double Horn Fingering Dictionary

Clay Smalley

In this reference, partial numbers are listed to the right of each pitch, and deviation from the written pitch (in twelve-tone equal temperament) is shown below, rounded to the nearest 5 cents. Deviation may vary based on horn construction, as well as the player's own preferences and anatomy.

Fingerings for each pitch are arranged from shortest to longest tubing length. Fingerings **3**, **13** and **123** are assigned a bias of 5 cents flat, 10 cents sharp and 20 cents sharp, respectively. Uncommon fingerings are shown in black.

Figure 1 is a musical score for a 12-tone chromatic scale, divided into four systems. Each system contains two staves (treble and bass clef) and a row of numbers below. The numbers represent pitch classes (0-11) and their relationships. The score is written in a complex, non-standard notation with various accidentals and ties.

System 1:

- Treble staff: $\textcircled{8} \textcircled{9} \textcircled{10} \textcircled{12} \textcircled{14} \textcircled{15}$ | $\textcircled{8} \textcircled{9} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12} \textcircled{12} \textcircled{14}$ | $\textcircled{8} \textcircled{9} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12} \textcircled{12} \textcircled{14}$
- Bass staff: $\textcircled{2} \textcircled{3} \textcircled{2} \textcircled{3} \textcircled{3}$ | $\textcircled{2} \textcircled{3} \textcircled{3}$ | $\textcircled{2} \textcircled{3} \textcircled{3}$
- Numbers: $\textcircled{8} \textcircled{9} \textcircled{10} \textcircled{12} \textcircled{14} \textcircled{15}$ | $\textcircled{8} \textcircled{9} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12} \textcircled{12} \textcircled{14}$ | $\textcircled{8} \textcircled{9} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12} \textcircled{12} \textcircled{14}$
- Relationships: $\textcircled{8} \textcircled{9} \textcircled{10} \textcircled{12} \textcircled{14} \textcircled{15}$ | $\textcircled{8} \textcircled{9} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12} \textcircled{12} \textcircled{14}$ | $\textcircled{8} \textcircled{9} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12} \textcircled{12} \textcircled{14}$

System 2:

- Treble staff: $\textcircled{8} \textcircled{8} \textcircled{9} \textcircled{10} \textcircled{12}$ | $\textcircled{8} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12}$ | $\textcircled{8} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12}$
- Bass staff: $\textcircled{2} \textcircled{2} \textcircled{3}$ | $\textcircled{2} \textcircled{3}$ | $\textcircled{2} \textcircled{3}$
- Numbers: $\textcircled{8} \textcircled{8} \textcircled{9} \textcircled{10} \textcircled{12}$ | $\textcircled{8} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12}$ | $\textcircled{8} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12}$
- Relationships: $\textcircled{8} \textcircled{8} \textcircled{9} \textcircled{10} \textcircled{12}$ | $\textcircled{8} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12}$ | $\textcircled{8} \textcircled{9} \textcircled{10} \textcircled{10} \textcircled{12}$

System 3:

- Treble staff: $\textcircled{6} \textcircled{8} \textcircled{9} \textcircled{9} \textcircled{10}$ | $\textcircled{6} \textcircled{7} \textcircled{8} \textcircled{9} \textcircled{10}$ | $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$
- Bass staff: $\textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5}$ | $\textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5}$ | $\textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5}$
- Numbers: $\textcircled{6} \textcircled{8} \textcircled{9} \textcircled{9} \textcircled{10}$ | $\textcircled{6} \textcircled{7} \textcircled{8} \textcircled{9} \textcircled{10}$ | $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$
- Relationships: $\textcircled{6} \textcircled{8} \textcircled{9} \textcircled{9} \textcircled{10}$ | $\textcircled{6} \textcircled{7} \textcircled{8} \textcircled{9} \textcircled{10}$ | $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$

System 4:

- Treble staff: $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$ | $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$ | $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$
- Bass staff: $\textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5}$ | $\textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5}$ | $\textcircled{2} \textcircled{3} \textcircled{4} \textcircled{5}$
- Numbers: $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$ | $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$ | $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$
- Relationships: $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$ | $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$ | $\textcircled{5} \textcircled{6} \textcircled{6} \textcircled{7} \textcircled{8} \textcircled{8} \textcircled{9}$