F°7 Guitar Chord Chart

F diminished 7th · notes F A♭ C♭ E𝄫 · formula 1 ♭3 ♭5 𝄫7 · 9 voicings

Interactive page: triads-guitar.com/chords/f-dim-7 · Build any chord: triads-guitar.com/chord-library-app

The formula



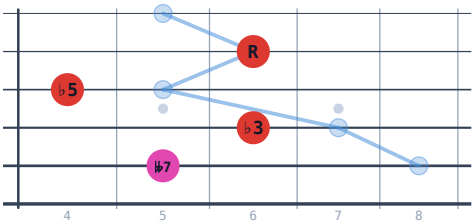
Character: suspense

Triad note root, 3rd or 5th, played in its place **Substitute** an extension on a triad note's string
Added an extension on a string of its own **Anchored root** the root on the string below
Bass a slash chord's bass note **Doubling** the same note an octave away

9 ways to play F°7

C shape · 3rd inversion

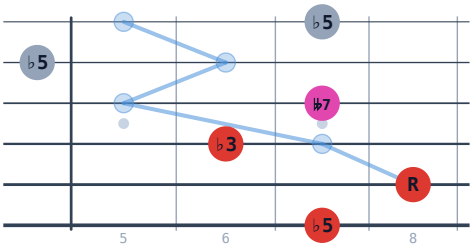
F°7/E𝄫



x 5 6 4 6 x
𝄫7 ♭3 ♭5 1 (E𝄫 A♭ C♭ F)
Base triad: F diminished, 1st inversion
The 𝄫7th gets a string of its own.

C shape · 2nd inversion

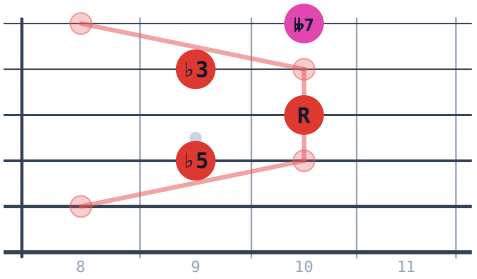
F°7/C♭



7 8 6 7 0 7
♭5 1 ♭3 𝄫7 (C♭ F A♭ E𝄫)
Base triad: F diminished, 2nd inversion
The 𝄫7th gets a string of its own.

A shape · 2nd inversion

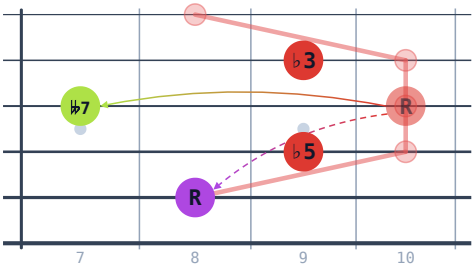
F°7/C♭



x x 9 10 9 10
♭5 1 ♭3 𝄫7 (C♭ F A♭ E𝄫)
Base triad: F diminished, 2nd inversion
The 𝄫7th gets a string of its own.

A shape · 2nd inversion · Anchored

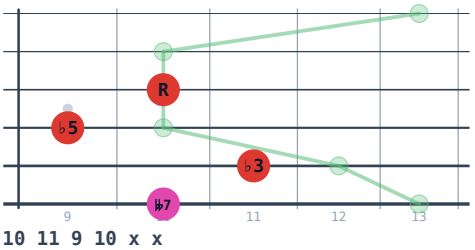
F°7



x 8 9 7 9 x
1 ♭5 𝄫7 ♭3 (F C♭ E𝄫 A♭)
Base triad: F diminished, 2nd inversion
The root drops to the string below the triad. The 𝄫7th takes the root's string.

G shape · 3rd inversion

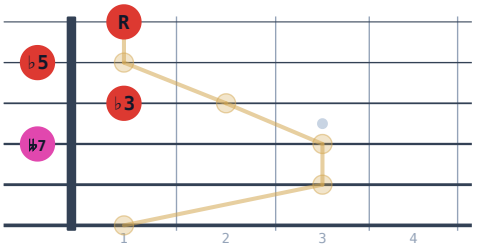
F°7/E𝄫



10 11 9 10 x x
𝄫7 ♭3 ♭5 1 (E𝄫 A♭ C♭ F)
Base triad: F diminished, 1st inversion
The 𝄫7th gets a string of its own.

E shape · 3rd inversion

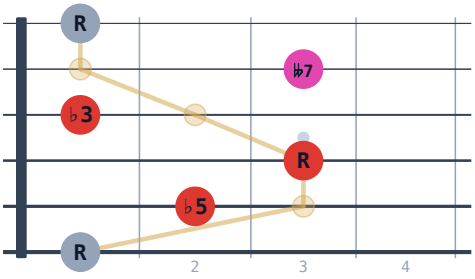
F°7/E𝄫



x x 0 1 0 1
𝄫7 ♭3 ♭5 1 (E𝄫 A♭ C♭ F)
Base triad: F diminished, 1st inversion
The 𝄫7th gets a string of its own.

E shape · 2nd inversion

F°7/C♭



1 2 3 1 3 1

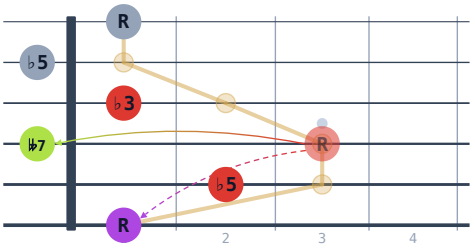
♭5 1 ♭3 𝄫7 (C♭ F A♭ E𝄫)

Base triad: F diminished, 2nd inversion

The 𝄫7th gets a string of its own.

E shape · 2nd inversion · Anchored

F°7



1 2 0 1 0 1

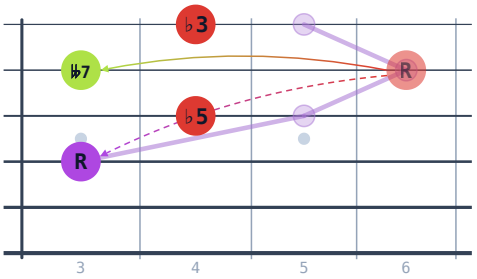
1 ♭5 𝄫7 ♭3 (F C♭ E𝄫 A♭)

Base triad: F diminished, 2nd inversion

The root drops to the string below the triad. The 𝄫7th takes the root’s string.

D shape · 2nd inversion · Anchored

F°7



x x 3 4 3 4

1 ♭5 𝄫7 ♭3 (F C♭ E𝄫 A♭)

Base triad: F diminished, 2nd inversion

The root drops to the string below the triad. The 𝄫7th takes the root’s string.

Construction rules

Start from a triad. Root, 3rd and 5th, stacked in thirds. The 3rd makes it major or minor; the 5th makes it diminished or augmented when it moves.

A third on top makes a 7th chord. A major 7th over a major triad is maj7, a ♭7 is a dominant 7. Over minor you get m7 or m(maj7); over diminished, m7♭5 or the °7, whose 7th is lowered twice.

On guitar, something has to give. Each extension takes the string of a triad note that matters less, usually the 5th, or gets a string of its own. The root and 3rd stay: they say what the chord is.

The root can move down. When an extension needs the root’s string, the root can drop to the string below the triad: an anchored voicing keeps the bass and frees a string on top.