

# VII Trill chart • Trillitaulukko

See the numbering of Keys, page 38

Katso läppien numerointi, sivu 38

Staff 1: Trills for G4, A4, B $\flat$ 4, B $\flat$ 4, and C5. Fingering diagrams show the starting finger (1) and the trill target finger (9, 8, 7, tr, 7).

Staff 2: Trills for B $\flat$ 4, B $\flat$ 4, C5, C5, and D5. Fingering diagrams show the starting finger (1) and the trill target finger (tr, 7, tr, tr).

Staff 3: Trills for D5, D5, E5, E5, and F5. Fingering diagrams show the starting finger (1) and the trill target finger (tr, 7, 3, tr, tr).

Staff 4: Trills for F5, G5, G5, A5, and A5. Fingering diagrams show the starting finger (2 or 1) and the trill target finger (tr, 7, tr, 4, tr, 4).

Staff 5: Trills for B $\flat$ 4, B $\flat$ 4, C5, C5, and C5. Fingering diagrams show the starting finger (1) and the trill target finger (tr, 7, tr, 5, 5).

# Basic Flute Technique

Trill exercises on the first line of the staff:

- Trill on G $\sharp$  (G $\sharp$ ): *tr* (G $\sharp$ )
- Trill on F $\flat$  (F $\flat$ ): *tr* (F $\flat$ )
- Trill on E $\natural$  (E): *tr* (E)
- Trill on D $\sharp$  (D $\sharp$ ): *tr* (D $\sharp$ )
- Trill on C $\flat$  (C $\flat$ ): *tr* (C $\flat$ )

Trill exercises on the second line of the staff:

- Trill on B $\flat$  (B $\flat$ ): *tr* (B $\flat$ )
- Trill on A $\sharp$  (A $\sharp$ ): *tr* (A $\sharp$ )
- Trill on G $\flat$  (G $\flat$ ): *tr* (G $\flat$ )
- Trill on F $\sharp$  (F $\sharp$ ): *tr* (F $\sharp$ )
- Trill on E $\natural$  (E): *tr* (E)

Trill exercises on the third line of the staff:

- Trill on D $\sharp$  (D $\sharp$ ): *tr* (D $\sharp$ )
- Trill on C $\flat$  (C $\flat$ ): *tr* (C $\flat$ )
- Trill on B $\natural$  (B): *tr* (B)
- Trill on A $\sharp$  (A $\sharp$ ): *tr* (A $\sharp$ )
- Trill on G $\flat$  (G $\flat$ ): *tr* (G $\flat$ )

Trill exercises on the fourth line of the staff:

- Trill on F $\flat$  (F $\flat$ ): *tr* (F $\flat$ )
- Trill on E $\natural$  (E): *tr* (E)
- Trill on D $\sharp$  (D $\sharp$ ): *tr* (D $\sharp$ )

Trill exercises on the fifth line of the staff:

- Trill on C $\flat$  (C $\flat$ ): *tr* (C $\flat$ )
- Trill on B $\sharp$  (B $\sharp$ ): *tr* (B $\sharp$ )
- Trill on A $\flat$  (A $\flat$ ): *tr* (A $\flat$ )
- Trill on G $\sharp$  (G $\sharp$ ): *tr* (G $\sharp$ )
- Trill on F $\natural$  (F): *tr* (F)

# Basic Flute Technique

Musical staff 1: Five notes with trills. From left to right:  $\sharp$ tr (♯),  $\flat$ tr (♭), tr (♮),  $\sharp$ tr (♯),  $\flat$ tr (♭).

Key diagrams for staff 1: Five diagrams showing fingerings for the notes above. Fingerings include 5 tr, 6 tr, 7, 1, 3, and tr.

Musical staff 2: Five notes with trills. From left to right: tr (♮),  $\sharp$ tr (♯),  $\flat$ tr (♭), tr (♮),  $\sharp$ tr (♯).

Key diagrams for staff 2: Five diagrams showing fingerings for the notes above. Fingerings include 1 tr, 7, and tr.

Musical staff 3: Five notes with trills. From left to right:  $\sharp$ tr (♯),  $\flat$ tr (♭), tr (♮),  $\sharp$ tr (♯),  $\flat$ tr (♭).

Key diagrams for staff 3: Five diagrams showing fingerings for the notes above. Fingerings include 1 tr, 5 tr, 7, tr, 3, 5 tr, and 6 tr.

Musical staff 4: Five notes with trills. From left to right:  $\flat$ tr (♭), tr (♮),  $\sharp$ tr (♯),  $\flat$ tr (♭),  $\sharp$ tr (♯).

Key diagrams for staff 4: Five diagrams showing fingerings for the notes above. Fingerings include 1 tr, tr, 5, 2 tr, and 6.

**Tremolando in thirds**  
*Terssitremolo*

The score consists of six systems of musical notation, each with a treble clef staff and a corresponding fingering diagram below. The diagrams use circles to represent fingers (1-3) and trills (tr), with numbers 7 and 8 indicating specific fingerings or trill patterns.

- System 1:** Five measures. Fingerings include 2-5 tr (pp), 1-5 tr (pp), 1-5 tr (ff), 5-6 tr (ff), and 1 tr tr tr.
- System 2:** Five measures. Fingerings include 1 tr tr tr, 1 tr tr tr, 2-5 tr and 1 tr tr tr, 1 tr tr tr and 1 tr tr tr, 1-3 tr tr and 5 tr, and 1 tr tr tr and 1 tr tr tr.
- System 3:** Five measures. Fingerings include 1 tr tr tr and 1 tr tr tr, 1 tr tr tr and 1 tr tr tr, 2 tr tr tr, 2 tr tr tr, and 1 tr tr tr.
- System 4:** Four measures. Fingerings include 1 tr tr tr, 1 tr tr tr, 1 tr tr tr, and 1 tr tr tr.
- System 5:** Four measures. Fingerings include 2 tr tr tr, 2 tr tr tr and 2 tr tr tr, 1 tr tr tr, and 2 tr tr tr.
- System 6:** Four measures. Fingerings include 1 tr tr tr and 1 tr tr tr, 1 tr tr tr and 1 tr tr tr, 1 tr tr tr and 1 tr tr tr, and 1 tr tr tr.

# XIII Micro intervals • Mikrointervalleja

Quarter-tone fingering chart for French-model flute  
*Neljännessävelaskielten sormitustaulukko avoläppähuilulle*

♯ = quarter sharp / neljänneskorotus  
 ♭ = quarter flat / neljännesalennus

Staff 1: Notes with fingerings below. Fingerings are shown as vertical columns of circles (1-4) and numbers (7, 9, 10).  
 1. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 2. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 3. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 4. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 5. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 6. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 7. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 8. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 9 (filled), 10 (open)

Staff 2: Notes with fingerings below. Fingerings are shown as vertical columns of circles (1-4) and numbers (7, 9).  
 1. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (filled)  
 2. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 3 (filled)  
 3. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 4. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 5. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 6. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 7. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 8. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 9 (open)

Staff 3: Notes with fingerings below. Fingerings are shown as vertical columns of circles (1-4) and numbers (7, 8, 9).  
 1. Note: 1 (open), 2 (open), 3 (filled), 4 (open), 7 (open)  
 2. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 8 (filled)  
 3. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 9 (open)

Staff 4: Notes with fingerings below. Fingerings are shown as vertical columns of circles (1-4) and numbers (7, 8, 9, 5, 6).  
 1. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 2. Note: 1 (open), 2 (open), 3 (open), 4 (open), 7 (open), 5 (open), 6 (open)  
 3. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 4. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 9 (open)  
 5. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open)  
 6. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 8 (filled)  
 7. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 8 (open)

Staff 5: Notes with fingerings below. Fingerings are shown as vertical columns of circles (1-4) and numbers (7, 8, 3).  
 1. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 3 (filled)  
 2. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 3 (filled)  
 3. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 8 (filled)  
 4. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 3 (filled)  
 5. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 3 (filled)  
 6. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 3 (filled)  
 7. Note: 1 (filled), 2 (filled), 3 (filled), 4 (open), 7 (open), 3 (filled)

# Basic Flute Technique

The image displays a sequence of musical exercises for flute technique, organized into six systems. Each system consists of a musical staff with notes and a corresponding fingering diagram below it. The notes are: G4, A4, B4, C5, B4, A4, G4 (System 1); A4, B4, C5, B4, A4, G4 (System 2); G4, A4, B4, C5, B4, A4, G4 (System 3); A4, B4, C5, D5, C5, B4, A4, G4 (System 4); G4, A4, B4, C5, D5, C5, B4, A4, G4 (System 5); and A4, B4, C5, D5, C5, B4, A4, G4 (System 6). Fingering diagrams use solid black circles for fingers to be pressed and open circles for fingers to be lifted. Some diagrams include numbers 1, 3, 5, 6, 7, 8, and 9 to indicate specific fingerings or breath marks. A dashed line labeled '8va' is positioned above the fifth system.

# IX Some usual modern flute sounds

## Tavallisimpia moderneja soittotapoja

key click without flute tone  
läpänisku ilman säveltä

key click with flute tone  
läpänisku + sävel

key click while covering mouthpiece with mouth  
läpänisku, huulilla suljettu puhallusaukko,  
(sormitus ilmaistu nuotin yläpuolella)

"tongue-ram", "tongue stop"  
> = fingering, sormitus  
imaisu tai puhallus ja voimakkaasti  
kielellä katkaistu ilmavirta  
(puhallusaukko suljettu huulilla)  
(sormitus ilmaistu nuotin yläpuolella)

"without sound"  
puolittainen puhallus,  
suhinaa ilman säveltä  
"S"

flutter without tone  
suhinaa + "R"  
Vrt Flz

"harmonic", "flageoletti", yläsävelsarjan osasävel  
fingering, sormitus  
free harmonics  
sattumanvaraisia "ylipuhalluksia"

double harmonic, overblowing  
kaksoisflageoletti = lyhyt, voimakas  
puhallus pienellä aukolla,  
jolloin tavoittaa useampia  
yläsävelsarjan ääniä

Flz Flz  
"flutterzunge", "flutter",  
lepattava, pörräävä kieli, "R"

tr  
"multiphonic" effects  
moni-ääni efekti  
(sormiotteet ilmoitettuna  
tai vapaavalintaisina)

6 "  
W.T.

whistle tone / whisper tone  
vihellysääni = hennoimmat  
yläsävelsarjan sävellet  
"box" = free improvisation 6 sec.  
"laatikko" = vapaa improvisaatio  
annetun aiheen pohjalta  
n. 6 sek. ajaksi

"tongue vibrato"  
kieli-vibrato

"key vibrato" /  
timbral trill  
läppävibrato /  
äänenväritrilli

other:  
lisäksi:

Kehlkopfvibrato = mäkättävä kurkkuvibrato  
Handshake vibrato =  
rannevibrato, tärisevä huilu  
Dog breath = läähätys huiluputkeen  
Hissing embouchure =  
sihinää osittain huiluputkeen

# Basic Flute Technique

**"fast double-tonguing without tone"**  
nopea tuplakieli ilman säveltä, sormitus valinnanvarainen

**irregolare**  
Key clicks, key noise  
irregular rhythm  
läppien kolinaa, sormitus ja rytmi vapaa

**1/4**  
gliss

**#** = quarter sharp / neljänneskorotus  
**b** = quarter flat / neljännesalennus

**#** = 3/4 sharp / 3/4 korotus

other signs: / muita merkkejä:  
# ♯ ♭ ♮

**slap**  
"slap tongue", "pizz"  
kieli-isku  
"T"

**"closed slap"**  
suljettu kieli-isku  
eli "T" aksentti sisään huiluputkeen

**embouchure opening: puhallusaukko:**  
● closed / suljettu  
○ normal / normaali  
□ very open / kokonaan auki

**gliss**  
sing, S  
nouseva lauluääni + huiluaääni

**Angle of the flute: / puhalluskulma:**  
normal playing angle  
puhalluskulma normaali  
turned in as far as possible  
mahdollisimman sisäänpäin kääntynyt

**"jet-blow", jet whistle**  
voimakas, viiltävä  
puhallus huiluputkeen

**abbreviations: lyhenteitä:**  
S = sing (laulu)  
Wh = whisper (kuiskaus)  
Sp = speak (puhe)  
Wsl = whistle (vihellys)  
WT = "whistle-tone" ("vihellysääni")  
K, H, Kiss = special articulations / erikoisartikulaatio-äänteitä  
N = normaali sävel / soittotapa  
ord. = ordinario eli tavallinen

**Tone colors: / äänen värisävyjä:**  
▼ ○ ● □  
color changes; dark, bright, open, closed etc with different fingerings  
sormituksilla vaihdettavat äänen värit; tumma, kirkas, avoin, suljettu jne

**accelerating figure**  
kiihtyvä kuvio

**descelerating figure**  
hidastuva kuvio

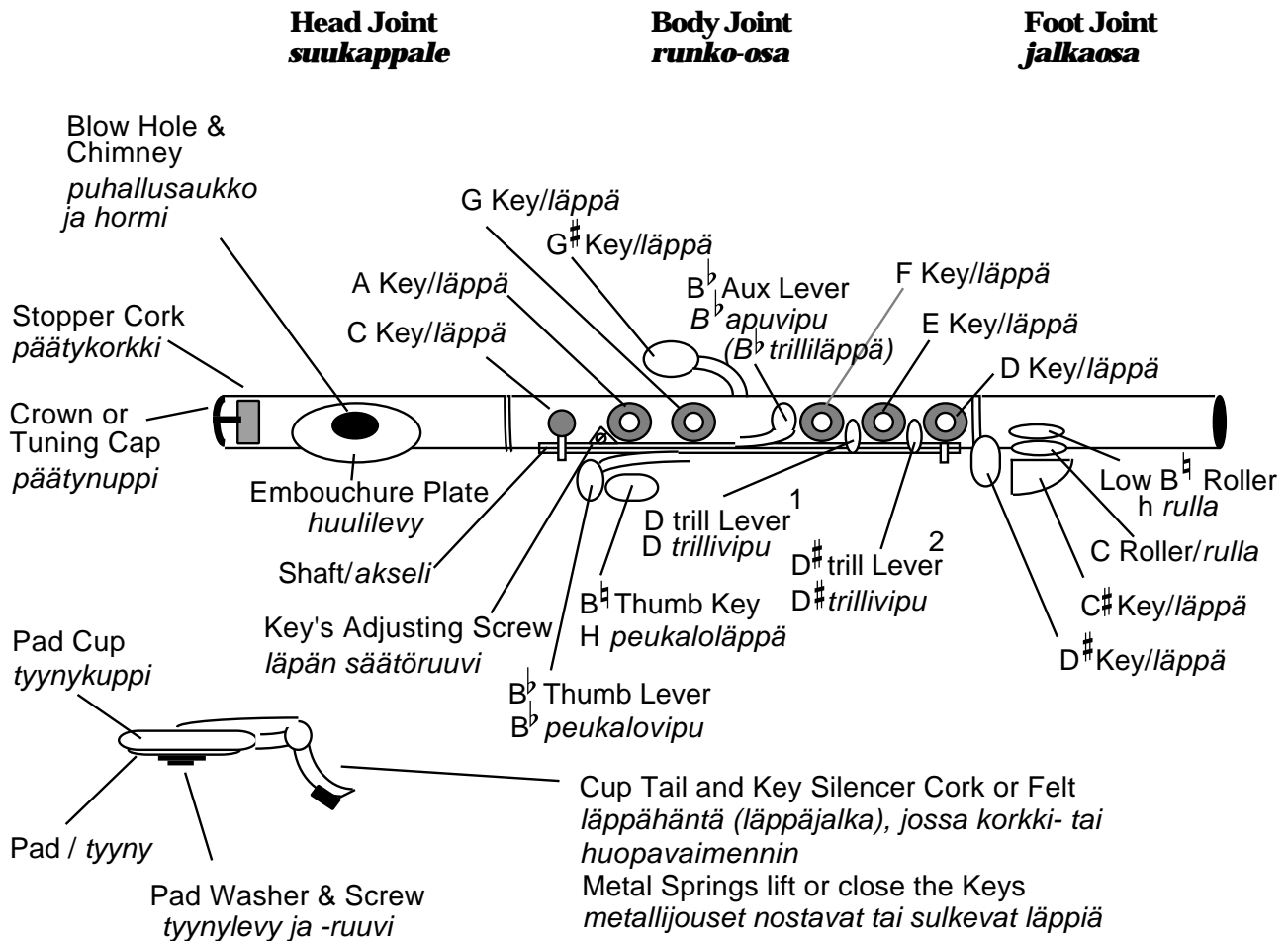
**approximate rhythm**  
viitteellinen rytmi

**x** = 1/4 lengthening of rhythm value  
x = 1/4 nuottiarvon pidennys

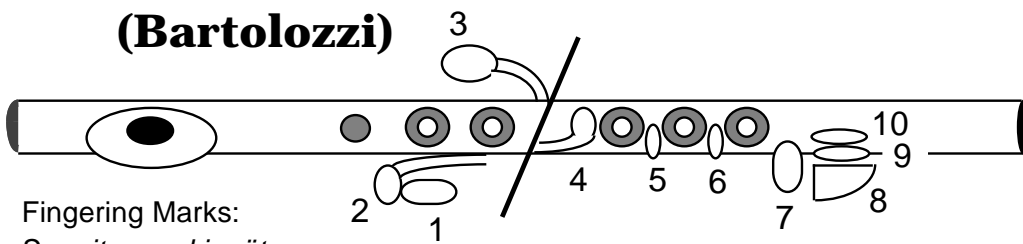
**Ex: / Esim.:**  
○ x = ◡ + ◡

**crescendo from silence and until diminuendo into silence**  
hiljaisuudesta alkaen ja loppuen

## X The Parts of the flute • Huilun osat



## The Numbering of keys • Lämpien numerointi (Bartolozzi)



Fingering Marks:  
Sormitusmerkinnät:

- = closed key / läppä suljettuna
- = open key / läppä avoin
- ∅ = only the key-ring closed / vain läppärengas (kehä) suljettuna
- ◐ = half opening / puoliksi peitetty reikä

Trills: / Trillit:

- tr ○
- or / tai
- lever nr + tr
- vivun no + tr

●	
○	1, 2
●	3
○	4
●	5
●	6
○	7
○	8, 9, 10