

**Herbert Lindholm**

**Basic Flute Technique**

**Peruskuviot huilulle**

**op. 26**

**Helin & Sons, Helsinki**

# Basic Flute Technique

## Foreword

This book has the same goal as a teacher should have; to make himself unnecessary. Its purpose is to help young flute teachers in their work. It's not always easy to invent suitable finger and sound exercises, but I hope that this book will inspire teachers to find the endless variations that basic flute exercises can have, if one has a creative mind.

The fundamental premise is that the development of basic skills happens best by practising without music, and by concentrating on the playing only.

“Basic Flute Technique” works mainly as a collection of teaching ideas, whereby a teacher can choose and adapt the practice material for the student's needs. The foundation for most of the exercises are the five first notes of the major scale, which are used as the basic figure for building up the finger technique. Using the same method, one can also vary exercises in books like; M. A. Reichert: “Daily exercises”, op. 5, Taffanel-Gaubert: “17 Big Daily Finger Exercises” and E. Köhler: “Schule der Geläufigkeit”.

Kuopio, 1994

The Author

Translated by Outi and Paul Svoboda

## Peruskuviot huilulle

### Esipuhe

Tällä nuottivihkolla on sama funktio kuin opettajalla; tehdä itsensä tarpeettomaksi. Sen tarkoitus on auttaa nuoria aloittelevia huilupedagogeja heidän työssään. Sopivien sormi- ja ääniharjoitusten keksiminen ei aina ole kovin helppoa, joten toivon, että tämä vihko inspiroisi opettajan löytämään ne loputtomat variaatiomahdollisuudet, joita huilun perusharjoituksissa voi luovalla kekseliäisyydellä olla. Lähtökohtana on, että perustaitojen kehittäminen tapahtuu parhaiten harjoittelemalla ilman nuotteja ja keskittymällä itse asiaan.

“Peruskuviot huilulle” toimii lähinnä eräänlaisena materiaalivarastona, josta opettaja voi poimia ja soveltaa tarvitsemaansa harjoitusaineistoa kulloisiinkin oppilaan tarpeisiin. Perustana suurelle osalle harjoituksista on duuriasteikon viisi ensimmäistä säveltä, joita tekijä käyttää peruskuviona sormitekniikan rakentamisessa. Samalla keinolla voi edelleen muunnella esimerkiksi M. A. Reichertin “Tägliche Übungen”, op. 5, Taffanel-Gaubertin “17 Big Daily Finger exercises” tai Köhlerin “Schule der Geläufigkeit”.

Kiitän Outi ja Paul Svobodaa käännöstyön avusta.

Kuopiossa 1994 Tekijä

# Basic Flute Technique

## Peruskuviot huilulle

Contents:

	page
<i>Sisällysluettelo:</i>	<i>sivu</i>
Foreword • <i>Esipuhe</i>	
I Scales • <i>Asteikkoja</i>	1
II Technical patterns • <i>Peruskuvioita</i>	10
III Interval exercises • <i>Intervalliharjoituksia</i>	16
IV Tone studies • <i>Ääniharjoituksia</i>	20
V Other exercises • <i>Muita harjoituksia</i>	23
VI Chord exercises • <i>Sointuharjoituksia</i>	26
VII Trill chart • <i>Trillitaulukko</i>	30
VIII Micro intervals • <i>Mikrointervalleja</i>	34
IX Some usual modern flute sounds • <i>Tavallisimpia moderneja soittotapoja</i>	36
X The Parts of the flute Numbering of keys <i>Huilun osat ja läppien numerointi</i>	38

Herbert Lindholm

Basic Flute Technique • Peruskuviot huilulle  
**I Scales • Asteikkoja**

**EASY SCALES**

**HELPPOJA ASTEIKKOJA**

C major *C duuri*



A minor (harmonic minor) *a molli (harmoninen molli)*



G major *G duuri*



E minor *e molli*



D major *D duuri*



B minor *h molli*



F major *F duuri*



D minor *d molli*



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B flat major *Bb duuri*



G minor *g molli*



**Melodic minor • *Melodinen molli***

A minor *a molli*



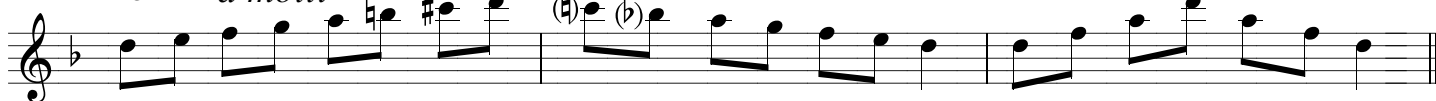
E minor *e molli*



B minor *h molli*



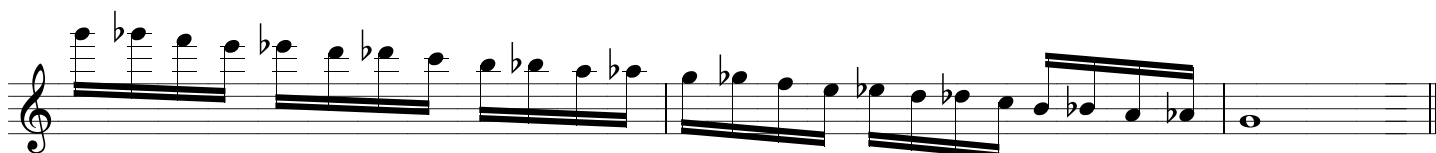
D minor *d molli*



G minor *g molli*



**Chromatic scale • *Kromaattinen asteikko***



**EXTENDED SCALES • ASTEIKKOJA LAAJEMMIN**

C major  
*C duuri*

Two staves of musical notation for the C major scale. The first staff shows the scale from C4 to C5. The second staff shows the scale from C5 down to C4. The notes are: C4, D4, E4, F4, G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4.

Dominant seventh chord  
Dominanttiseptimisointu

A minor, melodic  
*a molli, melodinen*

Two staves of musical notation for the A minor melodic scale. The first staff shows the scale from A4 to A5. The second staff shows the scale from A5 down to A4. The notes are: A4, B4, C5, D5, E5, F5, G5, A5, G5, F5, E5, D5, C5, B4, A4. A natural sign is placed above the second staff.

A minor, harmonic  
*a molli, harmoninen*

Two staves of musical notation for the A minor harmonic scale. The first staff shows the scale from A4 to A5. The second staff shows the scale from A5 down to A4. The notes are: A4, B4, C5, D5, E5, F5, G5, A5, G5, F5, E5, D5, C5, B4, A4. A natural sign is placed above the second staff.

G major  
*G duuri*

Two staves of musical notation for the G major scale. The first staff shows the scale from G4 to G5. The second staff shows the scale from G5 down to G4. The notes are: G4, A4, B4, C5, D5, E5, F5, G5, F5, E5, D5, C5, B4, A4, G4.

E minor, melodic  
*e molli, melodinen*

Two staves of musical notation for the E minor melodic scale. The first staff shows the scale from E4 to E5. The second staff shows the scale from E5 down to E4. The notes are: E4, F4, G4, A4, B4, C5, D5, E5, D5, C5, B4, A4, G4, F4, E4. A natural sign is placed above the second staff.

E minor, harmonic  
*e molli, harmoninen*

Two staves of musical notation for the E minor harmonic scale. The first staff shows the scale from E4 to E5. The second staff shows the scale from E5 down to E4. The notes are: E4, F4, G4, A4, B4, C5, D5, E5, D5, C5, B4, A4, G4, F4, E4. A natural sign is placed above the second staff.

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D major

*D duuri*

Two staves of musical notation for the D major scale. The first staff shows the melodic line (D major, *D duuri*) and the second staff shows the harmonic line. Both are in treble clef with a key signature of two sharps (F# and C#).

B minor, melodic

*b molli, melodinen*

Two staves of musical notation for the B minor scale, melodic line (*b molli, melodinen*). The first staff shows the melodic line and the second staff shows the harmonic line. Both are in treble clef with a key signature of two sharps (F# and C#).

B minor, harmonic

*b molli, harmoninen*

Two staves of musical notation for the B minor scale, harmonic line (*b molli, harmoninen*). The first staff shows the harmonic line and the second staff shows the melodic line. Both are in treble clef with a key signature of two sharps (F# and C#).

A major

*A duuri*

Two staves of musical notation for the A major scale. The first staff shows the melodic line (*A duuri*) and the second staff shows the harmonic line. Both are in treble clef with a key signature of three sharps (F#, C#, and G#).

F sharp minor, melodic

*fis molli, melodinen*

Two staves of musical notation for the F sharp minor scale, melodic line (*fis molli, melodinen*). The first staff shows the melodic line and the second staff shows the harmonic line. Both are in treble clef with a key signature of three sharps (F#, C#, and G#).

F sharp minor, harmonic

*fis molli, harmoninen*

Two staves of musical notation for the F sharp minor scale, harmonic line (*fis molli, harmoninen*). The first staff shows the harmonic line and the second staff shows the melodic line. Both are in treble clef with a key signature of three sharps (F#, C#, and G#).

Basic Flute Technique

E major

*E duuri*

Two staves of musical notation for the E major scale in diatonic form. The first staff shows the ascending scale, and the second staff shows the descending scale. The key signature has three sharps (F#, C#, G#).

C sharp minor, melodic

*cis molli, melodinen*

Two staves of musical notation for the C sharp minor scale in melodic form. The first staff shows the ascending scale, and the second staff shows the descending scale. The key signature has three sharps (F#, C#, G#). A circled 'b' is placed above the second measure of the descending scale.

C sharp minor, harmonic

*cis molli, harmoninen*

Two staves of musical notation for the C sharp minor scale in harmonic form. The first staff shows the ascending scale, and the second staff shows the descending scale. The key signature has three sharps (F#, C#, G#).

H major

*H duuri*

Two staves of musical notation for the H major scale in diatonic form. The first staff shows the ascending scale, and the second staff shows the descending scale. The key signature has four sharps (F#, C#, G#, D#).

G sharp minor, melodic

*gis molli, melodinen*

Two staves of musical notation for the G sharp minor scale in melodic form. The first staff shows the ascending scale, and the second staff shows the descending scale. The key signature has four sharps (F#, C#, G#, D#). Circled 'b' and 'x' symbols are placed above the second and third measures of the descending scale.

G sharp minor, harmonic

*gis molli, harmoninen*

Two staves of musical notation for the G sharp minor scale in harmonic form. The first staff shows the ascending scale, and the second staff shows the descending scale. The key signature has four sharps (F#, C#, G#, D#). Circled 'x' symbols are placed above the second and third measures of the descending scale.



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F sharp major

*Fis duuri*

Two staves of musical notation for F sharp major. The first staff contains a melodic exercise starting with a treble clef and a key signature of three sharps (F#, C#, G#). The second staff continues the exercise, ending with a double bar line.

D sharp minor, melodic

*dis molli, melodinen*

Two staves of musical notation for D sharp minor. The first staff contains a melodic exercise starting with a treble clef and a key signature of three sharps (F#, C#, G#). The second staff continues the exercise, ending with a double bar line.

D sharp minor, harmonic

*dis molli, harmoninen*

Two staves of musical notation for D sharp minor. The first staff contains a harmonic exercise starting with a treble clef and a key signature of three sharps (F#, C#, G#). The second staff continues the exercise, ending with a double bar line.

G flat major

*Ges duuri*

Two staves of musical notation for G flat major. The first staff contains a melodic exercise starting with a treble clef and a key signature of three flats (Bb, Eb, Ab). The second staff continues the exercise, ending with a double bar line.

E flat minor, melodic

*es molli, melodinen*

Two staves of musical notation for E flat minor. The first staff contains a melodic exercise starting with a treble clef and a key signature of three flats (Bb, Eb, Ab). The second staff continues the exercise, ending with a double bar line.

E flat minor, harmonic

*es molli, harmoninen*

Two staves of musical notation for E flat minor. The first staff contains a harmonic exercise starting with a treble clef and a key signature of three flats (Bb, Eb, Ab). The second staff continues the exercise, ending with a double bar line.

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D flat major

*Des duuri*

Two staves of musical notation in treble clef, key signature of three flats (B-flat, E-flat, A-flat). The first staff contains two measures of eighth-note runs. The second staff contains two measures of eighth-note runs, ending with a half note and a quarter note.

B flat minor, melodic

*b molli, melodinen*

One staff of musical notation in treble clef, key signature of three flats. The staff contains two measures of eighth-note runs, with a (b) marking above the second measure.

B flat minor, harmonic

*b molli, harmoninen*

Two staves of musical notation in treble clef, key signature of three flats. The first staff contains two measures of eighth-note runs. The second staff contains two measures of eighth-note runs, ending with a half note and a quarter note.

A flat major

*As duuri*

Two staves of musical notation in treble clef, key signature of three flats. The first staff contains two measures of eighth-note runs. The second staff contains two measures of eighth-note runs, ending with a half note and a quarter note.

F minor, melodic

*f molli, melodinen*

One staff of musical notation in treble clef, key signature of three flats. The staff contains two measures of eighth-note runs, with a (b) marking above the second measure.

F minor, harmonic

*f molli, harmoninen*

Two staves of musical notation in treble clef, key signature of three flats. The first staff contains two measures of eighth-note runs. The second staff contains two measures of eighth-note runs, ending with a half note and a quarter note.

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E flat major

*Es duuri*

C minor, melodic

*c molli, melodinen*

C minor, harmonic

*c molli, harmoninen*

B flat major

*Bb duuri*

G minor, melodic

*g molli, melodinen*

G minor, harmonic

*g molli, harmoninen*

Basic Flute Technique

F major  
*F duuri*

Two staves of musical notation for the F major scale. The first staff shows the melodic version (F duuri) and the second staff shows the harmonic version (F duuri). Both are written in treble clef with a key signature of one flat (Bb).

D minor, melodic  
*d molli, melodinen*

Staff of musical notation for the D minor melodic scale (d molli, melodinen) in treble clef with a key signature of two flats (Bb, Eb).

D minor, harmonic  
*d molli, harmoninen*

Two staves of musical notation for the D minor harmonic scale (d molli, harmoninen) in treble clef with a key signature of two flats (Bb, Eb). The second staff includes a breath mark (b) above the eighth measure.

Whole tone scale 1  
*kokosävelasteikko 1*

Staff of musical notation for Whole tone scale 1 (kokosävelasteikko 1) in treble clef with a key signature of two sharps (F#, C#). Triplet markings (3) are placed above and below the notes.

Whole tone scale 2  
*kokosävelasteikko 2*

Staff of musical notation for Whole tone scale 2 (kokosävelasteikko 2) in treble clef with a key signature of two flats (Bb, Eb). Triplet markings (3) are placed above and below the notes.

Blues scale  
*blues-asteikko*

Staff of musical notation for the Blues scale (blues-asteikko) in treble clef with a key signature of two flats (Bb, Eb). Triplet markings (3) are placed above and below the notes.

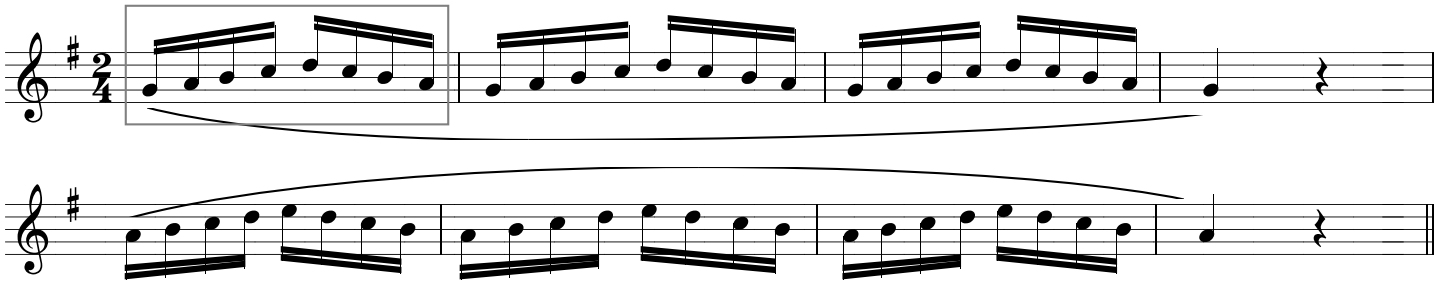
Chromatic scale  
*kromaattinen asteikko*

Two staves of musical notation for the Chromatic scale (kromaattinen asteikko) in treble clef with a key signature of two flats (Bb, Eb). Triplet markings (3) are placed above and below the notes.

## II Technical patterns • Tekniikan peruskuvioita

PATTERN 1, diatonic "step" method

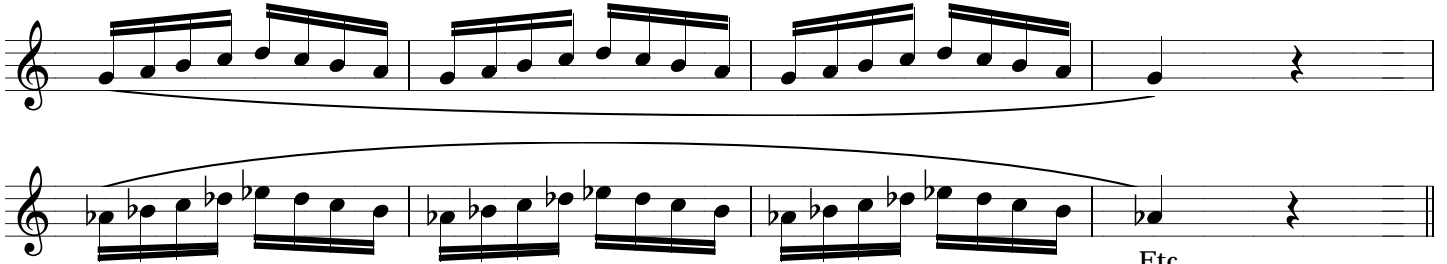
*PERUSKUVIO 1, diatoninen etenemisjärjestys*



Etc step by step upwards with teacher's advice!  
*Jne askelettain ylöspäin opettajan harkitsemaan säveleen asti!*

PATTERN 1, chromatic step method

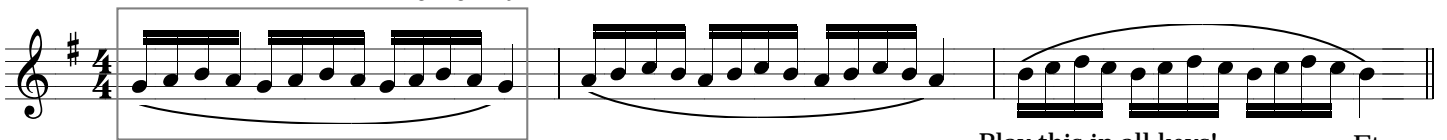
*PERUSKUVIO 1, kromaattinen etenemisjärjestys*



Etc  
*Jne*

PATTERN 2, diatonic step method

*PERUSKUVIO 2, diatoninen järjestys*



Play this in all keys! Etc  
*Soita kaikissa sävellajeissa! Jne*

PATTERN 2, chromatic step method

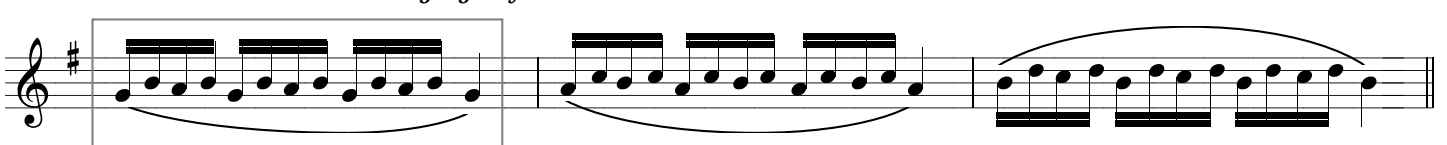
*PERUSKUVIO 2, kromaattinen järjestys*



Etc  
*Jne*

PATTERN 3, diatonic step method

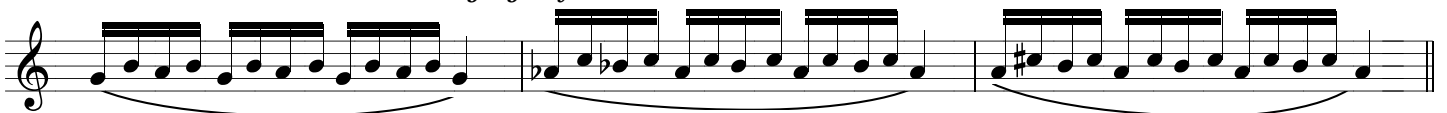
*PERUSKUVIO 3, diatoninen järjestys*



Etc  
*Jne*

PATTERN 3, chromatic step method

*PERUSKUVIO 3, kromaattinen järjestys*



Etc  
*Jne*

**VARIATIONS OF TECHNICAL PATTERNS**  
**PERUSKUVIOITTEN VARIAATIOITA**

Rhythmic variations, diat. and chrom. step method  
*Rytmiuunnelmia, diat. ja kromaatt. järjestys*

a) Etc  
Jne

b) Etc  
Jne

Neighbour tone variations, diat and chrom. step method  
*Sivusävelmuunnelma, diat. ja kromaatt. järjestys*

simile

Etc  
Jne

Minor variations, chrom. step method  
*Mollivariaatio, kromaattinen järjestys*

simile

Etc  
Jne

Minor variations, (harmonic) diat. step method  
*Mollivariaatio, (harmoninen) diatoninen järjestys*

simile

Etc  
Jne

Minor-variation, (harmonic) chrom. step method  
*Mollivariaatio, (harmoninen) kromaattinen järjestys*

simile

Etc  
Jne

**VARIATIONS OF MAJOR SCALES**  
**DUURIASTEIKON VARIAATIOITA**

Diatonic step method  
*diatonisessa järjestyksessä*

Etc , in all keys and with rhythmic variations!  
*Jne, kaikki sävellajit, rytmimuunnelmin!*

Chromatic step method  
*kromaattisessa järjestyksessä*

Etc , in all keys and with rhythmic variations!  
*Jne, kaikki sävellajit, rytmimuunnelmin!*

Major thirds  
*Duuriterssit*

Etc , in all keys and with rhythmic variations!  
*Jne, kaikki sävellajit, rytmimuunnelmin!*

"Variations á la Reichert"  
*"Reichertin variaatio"*

Etc , in all keys and with rhythmic variations!  
*Jne, kaikki sävellajit, rytmimuunnelmin!*

# VARIATIONS OF THE CHROMATIC SCALE

## KROMAATTISEN ASTEIKON VARIATIOITA

### Neighbour tone variations

#### *Sivusävelmuunnelma*

legato

Etc  
Jne

### Variations á la Moyses"

#### *Moysen muunnelma"*

legato

Etc  
Jne

### Chromatic step method

#### *Kromaattinen etenemisjärjestys*

ad lib  
8<sup>va</sup>

Etc  
Jne

Etc  
Jne



**WHOLE TONE SCALES**  
**KOKOSÄVELASTEIKOT**

1) *legato e staccato*

**CHORDS**  
**SOINTUJA**

Major chords, chrom. step method  
*Duurikolmisointuja, kromaattinen järjestys*

Minor chords, chrom. step method  
*Mollikolmisointuja, kromaattinen järjestys*

Dominant seventh chords, chrom. step method  
*Dominanttiseptimisointuja, kromaattinen järjestys*

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Fourths, chrom. step method

*Kvartteja, krom. järj.*

Etc  
Jne

Octaves and neighbour tones, chrom. step method

*Oktaavi + sivusävel, krom. järj.*

Etc  
Jne

Two octaves in legato, chrom. step method

*Kahden oktaavin legato, krom. järj.*

Etc  
Jne

Tenths, diat. step method

*Oktaavi + terssi, (desiimi) diat. järj.*

Etc  
Jne

Octave + fifth, chrom. step method

*Oktaavi + kvintti, krom. järj.*

Etc  
Jne

# III Interval studies • Intervalliharjoituksia

## Minimalistic etude 1 • *Minimalistinen etydi 1*

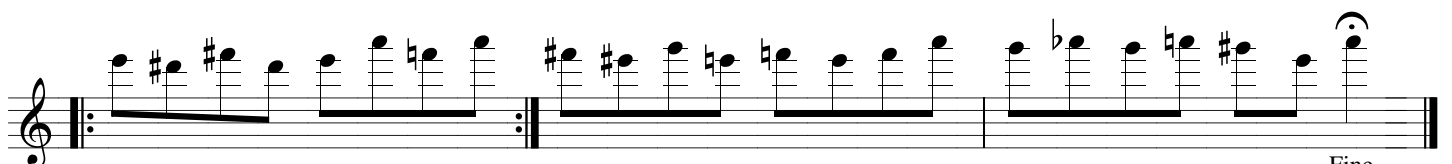
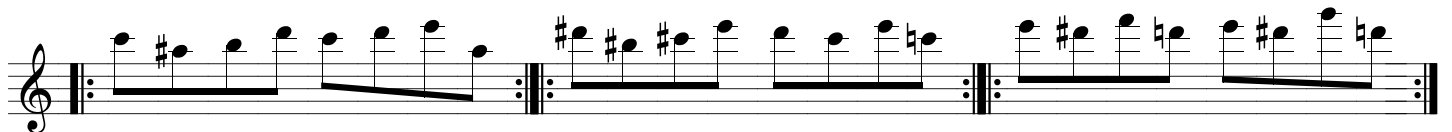
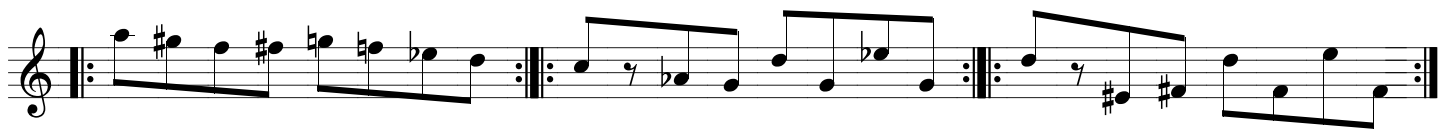
Tempo ad lib.



Repeat very many times changing the dynamics  
*Kerrataan erittäin monta kertaa, muunnellen nyansseja*



simile



Fine

Minimalistic etude 2 • *Minimalistinen etydi 2*

**Allegro**

*pp*

Think of as many variations as you can! Remember to take breaks from playing to avoid strain injuries!  
*Soita etydiä muunnellen! Muista pitää taukoja, jotta välttyisit rasitusvammoilta!*

simile

simile

*pp* crescendo poco a poco al fine

*ff*

Fine

Good Morning, Flute! • *Hyvää huomenta, huilu!*

**Prestissimo**

The Prestissimo section consists of 12 staves of music in 2/4 time. It begins with a treble clef and a key signature of one sharp (F#). The first staff starts with a dynamic marking of *mp* and features a series of eighth-note patterns with slurs and repeat signs. The second staff includes accents (>) and a dynamic marking of *f*. The third staff continues with eighth-note patterns and a dynamic marking of *f*. The fourth staff has a dynamic marking of *f*. The fifth staff has a dynamic marking of *p*. The sixth staff has a dynamic marking of *p*. The seventh staff has a dynamic marking of *p*. The eighth staff has a dynamic marking of *p*. The ninth staff has a dynamic marking of *p*. The tenth staff has a dynamic marking of *p*. The eleventh staff has a dynamic marking of *p*. The twelfth staff has a dynamic marking of *p*. The section concludes with a final flourish.

**Stretto**

The Stretto section consists of 3 staves of music in 2/4 time. It begins with a treble clef and a key signature of one sharp (F#). The first staff starts with a dynamic marking of *crescendo poco a poco* and features a series of eighth-note patterns with slurs and repeat signs. The second staff continues with eighth-note patterns and a dynamic marking of *crescendo poco a poco*. The third staff concludes with a final flourish and a dynamic marking of *ff* BRAVO!

Basic Flute Technique

Augmented fourths and Diminished fifths

*Ylinousevia kvartteja ja vähennettyjä kvinttejä*

Musical score for augmented fourths and diminished fifths in 4/4 time. The score consists of four staves. The first staff begins with a treble clef and a 4/4 time signature. It features a sequence of eighth-note triplets, with a slur over the first four notes and a 'simile' instruction below. The notes are: G4 (sharp), A4, B4, C5, D5, E5, F5, G5. The second staff continues with similar triplet patterns. The third and fourth staves show more complex rhythmic patterns, including slurs and accents, with notes ranging from G4 to G5.

Octaves and sevenths

*Oktaaveja ja septimejä*

Musical score for octaves and sevenths in 2/4 time. The score consists of two staves. The first staff begins with a treble clef and a 2/4 time signature. It features a sequence of eighth-note pairs, with a slur over each pair and a '6' below. The notes are: G4, A4, B4, C5, D5, E5, F5, G5. The second staff continues with similar patterns, including slurs and accents, with notes ranging from G4 to G5.

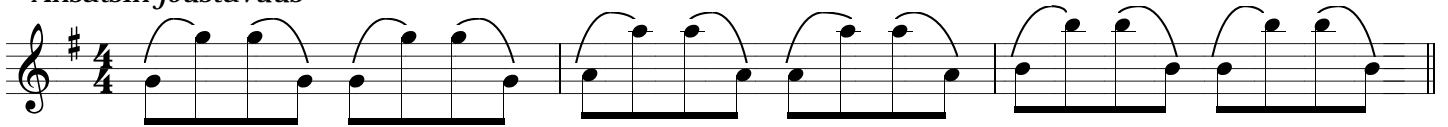
Other large intervals

*Muita suuria intervalleja*

Musical score for other large intervals in 2/4 time. The score consists of four staves. The first staff begins with a treble clef and a 2/4 time signature. It features a sequence of eighth-note pairs, with a slur over each pair and a '6' below. The notes are: G4, A4, B4, C5, D5, E5, F5, G5. The second staff continues with similar patterns, including slurs and accents, with notes ranging from G4 to G5. The third and fourth staves show more complex rhythmic patterns, including slurs and accents, with notes ranging from G4 to G5.

# IV Tone studies • Ääniharjoituksia

Flexible embouchure  
*Ansatsin joustavuus*

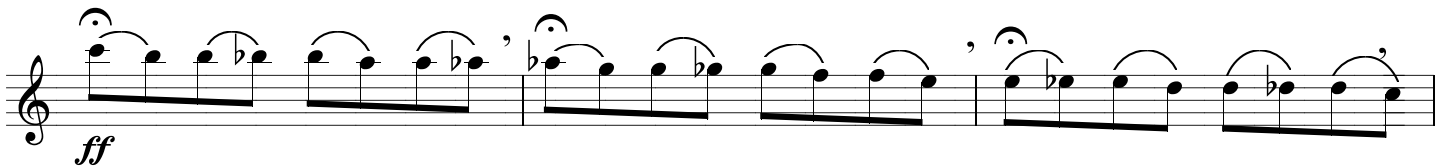


Etc G-major upwards

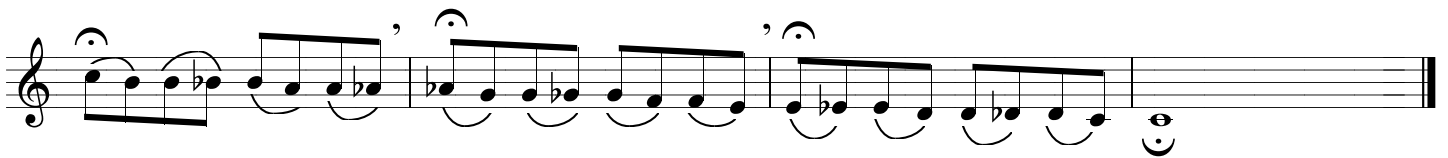


Etc G-major downwards. Then play other keys in the same way!  
*Jne G-duuria alaspäin. Sitten muita sävellajeja samalla tavalla!*

Tone quality exercise, also "test your flute"-exercise  
*Tasaisen äänenlaadun tarkkailukuvio, sekä "huilun testikuvio"*

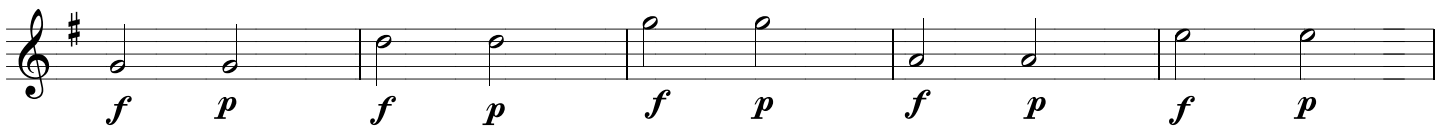


*ff*



Pitch control in varied dynamics

*Säveltason tarkkailu eri voimakkuusasteilla*



*f*

*p*

*f*

*p*

*f*

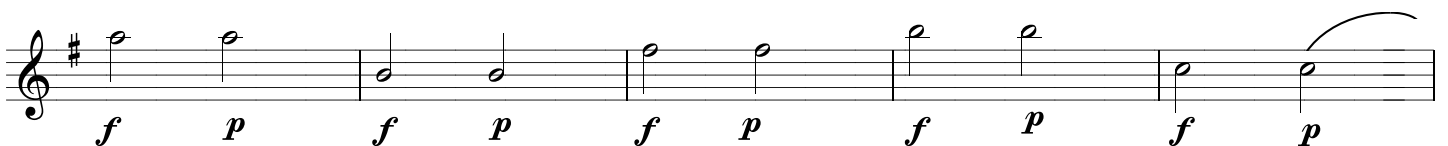
*p*

*f*

*p*

*f*

*p*



*f*

*p*

*f*

*p*

*f*

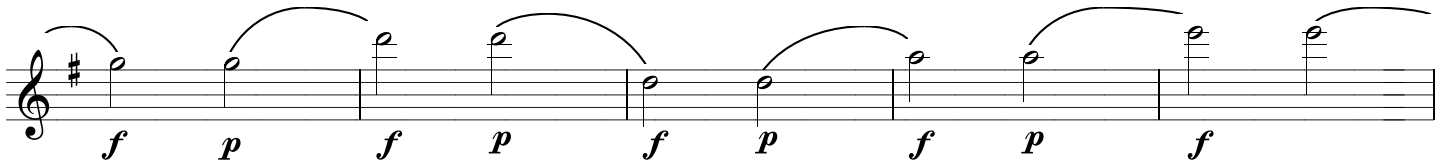
*p*

*f*

*p*

*f*

*p*



*f*

*p*

*f*

*p*

*f*

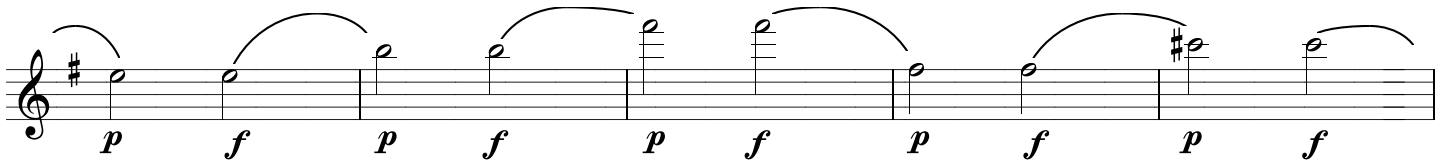
*p*

*f*

*p*

*f*

*p*



*p*

*f*

*p*

*f*

*p*

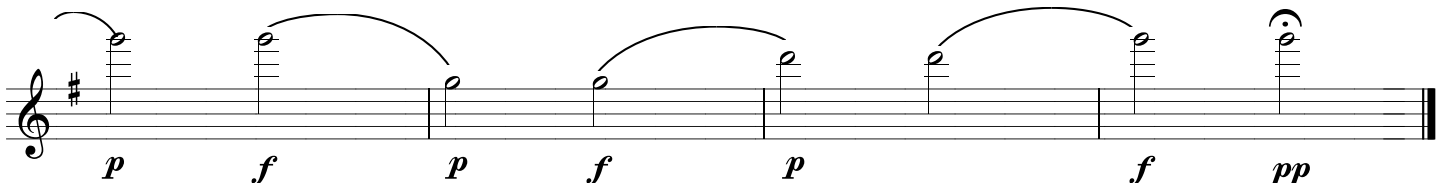
*f*

*p*

*f*

*p*

*f*



*p*

*f*

*p*

*f*

*p*

*f*

*p*

*f*

*p*

*pp*

Basic Flute Technique

Intonation and diminuendo exercise  
*Intervallipuhtaus- ja diminuendo-harjoitus*

Pitch control with octave harmonic tones  
*Säveltason tarkistus oktaaviflageolettien avulla*

Attack without tongue, "P"  
*Aluke ilman kieltä, "P"*

Clear and quiet attack  
*Selkeä ja hiljainen aлуke*

Large intervals intonation  
*Isojen intervallien sävelpuhtaus*

Listen for intonation; drop the higher tones down if necessary!  
*Tarkkaile sävelpuhtautta: pudota ylempien sävelten tasoa tarvittaessa!*



Basic Flute Technique

Low tones sonority exercise  
Matalien sävelten voimistusharjoitus

Low tones intonation  
Matalien sävelten puhtaus

Pitch control with fifths harmonic tones  
Säveltason tarkistus kvinttiflageolettien avulla

Balancing the flute  
Huiluotteen tasapaino

Intonation exercise with piano  
Säveltarkistukset pianon avulla

Cresc-Dim. exercise with piano  
Cresc./ dim.-harjoitus pianon avulla

# V Other exercises • Muita harjoituksia

## Double-tonguing exercises

### Tuplakieliharjoituksia

1)

T K T K T K T K

Etc upwards chromatically  
*Jne kromaattisesti ylöspäin*

2)

Etc upwards chromatically  
*Jne kromaattisesti ylöspäin*

3)

Etc upwards chromatically  
*Jne kromaattisesti ylöspäin*

## Variations of triple-tonguing

### Triplakielimuunnelmia

1)

T D K, T D K

Etc upwards chromatically  
*Jne kromaattisesti ylöspäin*

2)

T D K K T D K K T D K K T D K K

Etc upwards chromatically  
*Jne kromaattisesti ylöspäin*

3)

T D K, T D K

Etc upwards chromatically  
*Jne kromaattisesti ylöspäin*

## Very fast double-tonguing

### Erittäin nopea tuplakieli

(♩ = 100)

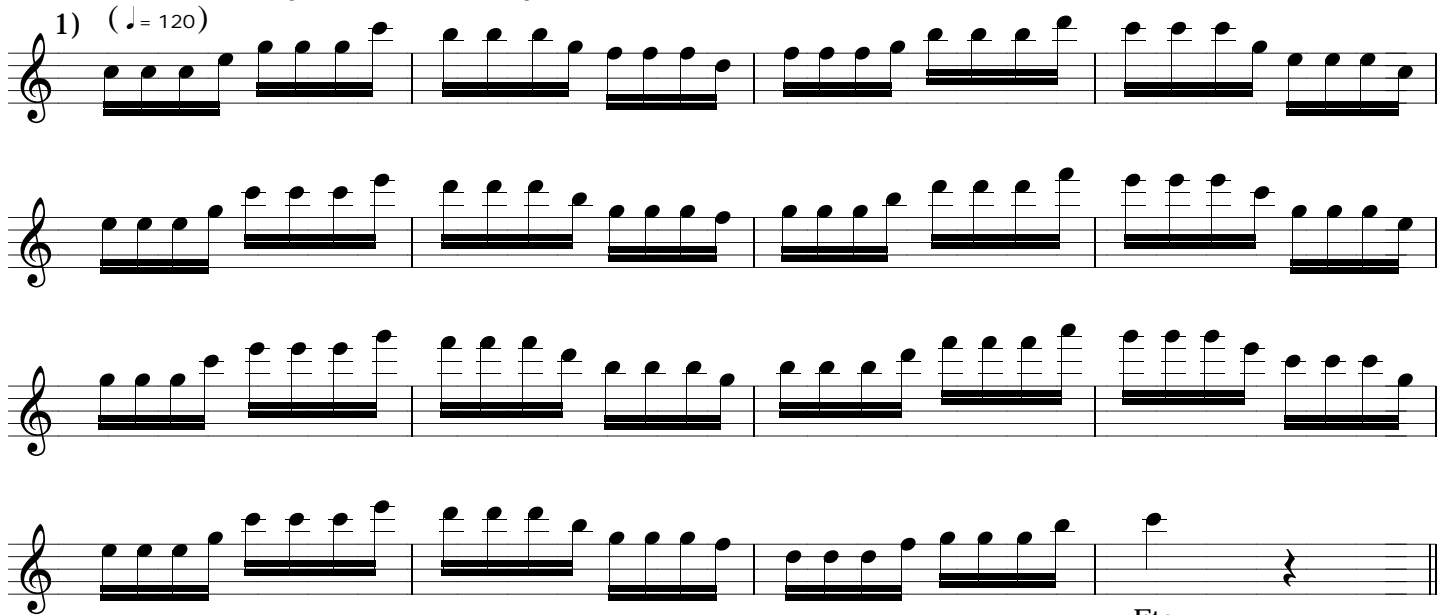
Etc upwards chromatically  
*Jne kromaattisesti ylöspäin*

Basic Flute Technique

Examples of variations on Reichert's exercise

*Variaatioesimerkkejä Reichertin harjoituksesta*

1) (♩ = 120)



Etc  
Jne

2)



Etc  
Jne

3)

stacc



Etc  
Jne

## Basic Flute Technique

### Vibrato exercise without tongue attack

#### Vibratoharjoitus ilman kielialuketta

Huh, H H H H > > > > H H H H > > > >

Etc diatonally  
*Jne diatonisesti*

H H H H H H > > > > > > simile

Etc diatonally  
*Jne diatonisesti*

### Rhythmic vibrato

#### Rytmivibrato

Aim for:  
Tavoite: ♩ = 96

simile

Etc diatonally  
*Jne diatonisesti*

### Variable vibrato

#### Muuntuva vibrato

simile

Etc diatonally  
*Jne diatonisesti*

1. Start from a steady tone, then add bigger and bigger vibrato waves  
*Aloita suorasta äänestä, lisää astettain yhä suurempia vibraton aaltoja*

simile

Etc diatonally  
*Jne diatonisesti*

2. Start from a steady tone, then add faster and faster vibrato waves  
*Aloita suorasta äänestä, lisää astettain vibraton aaltoja yhä tiheämmin*

### Irregular vibrato waves

#### Epäsäännöllisiä aaltotiheykiä

Etc diatonally  
*Jne diatonisesti*

### Very small and frequent vibrato

#### Erittäin pieni ja tiheä vibrato

*pp*

### Strong vibrato

#### Voimakas vibrato

*ff*

### Normal vibrato, listen for the sonority in a quiet dynamic, "shouting whisper"

#### Normaali vibrato ja hiljaisen nyanssin kantavuus, "huutava kuiskaus"

*mp*  
*dolce e cantabile*

# VI Chord exercises • Sointuharjoituksia

1.      2.      3.      4.      5.      6.      7.      8.      9.      10.

C      Cm      C<sup>6</sup>      Cm<sup>6</sup>      C<sup>7</sup>      Cm<sup>7</sup>      Cmaj<sup>7</sup>      Cm(maj<sup>7</sup>)      Cdim      C+

1. *sempre legato*

C

Cm

C<sup>6</sup>

4.

Cm<sup>6</sup>

5.

C<sup>7</sup>

Basic Flute Technique

6.

Cm7

7.

Cmaj7

8.

Cm(maj7)

9.

Cdim

Basic Flute Technique

Diatonic chord sequence

*Diatoninen kolmisointusekvenssi*

Practice all keys using this Chord Exercise system!

*Harjoittele muutkin sävellajit edellä olevan mallin mukaan!*

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
G	Gm	G <sup>6</sup>	Gm <sup>6</sup>	G <sup>7</sup>	Gm <sup>7</sup>	Gmaj <sup>7</sup>	Gm(maj <sup>7</sup> )	Gdim	G+
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
D	Dm	D <sup>6</sup>	Dm <sup>6</sup>	D <sup>7</sup>	Dm <sup>7</sup>	Dmaj <sup>7</sup>	Dm(maj <sup>7</sup> )	Ddim	D+

## Basic Flute Technique

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

A Am A<sup>6</sup> Am<sup>6</sup> A<sup>7</sup> Am<sup>7</sup> Amaj<sup>7</sup> Am(maj7) Adim A+

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

E Em E<sup>6</sup> Em<sup>6</sup> E<sup>7</sup> Em<sup>7</sup> Emaj<sup>7</sup> Em(maj7) Edim E+

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

B Bm B<sup>6</sup> Bm<sup>6</sup> B<sup>7</sup> Bm<sup>7</sup> Bmaj<sup>7</sup> Bm(maj7) Bdim B+

*(Anglosaksinen B = H !)*

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

F# F#m F#<sup>6</sup> F#m<sup>6</sup> F#<sup>7</sup> F#m<sup>7</sup> F#maj<sup>7</sup> F#m(maj7) F#dim F#+

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

F Fm F<sup>6</sup> Fm<sup>6</sup> F<sup>7</sup> Fm<sup>7</sup> Fmaj<sup>7</sup> Fm(maj7) Fdim F+

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

B<sup>b</sup> B<sup>b</sup>m B<sup>b6</sup> B<sup>b</sup>m<sup>6</sup> B<sup>b7</sup> B<sup>b</sup>m<sup>7</sup> B<sup>b</sup>maj<sup>7</sup> B<sup>b</sup>m(maj7) B<sup>b</sup>dim B<sup>b</sup>+

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

E<sup>b</sup> E<sup>b</sup>m E<sup>b6</sup> E<sup>b</sup>m<sup>6</sup> E<sup>b7</sup> E<sup>b</sup>m<sup>7</sup> E<sup>b</sup>maj<sup>7</sup> E<sup>b</sup>m(maj7) E<sup>b</sup>dim E<sup>b</sup>+

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

A<sup>b</sup> A<sup>b</sup>m A<sup>b6</sup> A<sup>b</sup>m<sup>6</sup> A<sup>b7</sup> A<sup>b</sup>m<sup>7</sup> A<sup>b</sup>maj<sup>7</sup> A<sup>b</sup>m(maj7) A<sup>b</sup>dim A<sup>b</sup>+

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

D<sup>b</sup> D<sup>b</sup>m D<sup>b6</sup> D<sup>b</sup>m<sup>6</sup> D<sup>b7</sup> D<sup>b</sup>m<sup>7</sup> D<sup>b</sup>maj<sup>7</sup> D<sup>b</sup>m(maj7) D<sup>b</sup>dim D<sup>b</sup>+



# VII Trill chart • Trillitaulukko

See the numbering of Keys, page 38

Katso läppien numerointi, sivu 38

Staff 1: Trills for G4, A4, B4, C5, and D5. Fingering diagrams show the starting finger (1) and the trill finger (9, 8, 7, tr, 7).

Staff 2: Trills for E4, F4, G4, A4, and B4. Fingering diagrams show the starting finger (1) and the trill finger (tr, 7).

Staff 3: Trills for C5, D5, E5, F5, and G5. Fingering diagrams show the starting finger (1) and the trill finger (tr, 7).

Staff 4: Trills for A4, B4, C5, and D5. Fingering diagrams show the starting finger (2, 1) and the trill finger (tr, 4, 7).

Staff 5: Trills for E4, F4, G4, A4, and B4. Fingering diagrams show the starting finger (1) and the trill finger (tr, 5, 7).

# Basic Flute Technique

Trill exercises on the first line of the staff. Each exercise consists of a musical notation with a trill symbol (*tr*) and a fingering diagram below it. The fingering diagrams show finger positions on the keys (black dots) and the trill key (white circle).

- Exercise 1: Trill on G4 (F#4). Fingering: 7 tr 6 tr.
- Exercise 2: Trill on A4 (Bb4). Fingering: 7 tr 1.
- Exercise 3: Trill on B4 (C#4). Fingering: 7 tr 1.
- Exercise 4: Trill on C5 (D4). Fingering: 7 tr 1.
- Exercise 5: Trill on D5 (Eb5). Fingering: 7 tr 1.

Trill exercises on the second line of the staff. Each exercise consists of a musical notation with a trill symbol (*tr*) and a fingering diagram below it.

- Exercise 6: Trill on E5 (F4). Fingering: 7 tr 1.
- Exercise 7: Trill on F5 (G#4). Fingering: 7 tr 1.
- Exercise 8: Trill on G5 (Ab5). Fingering: 7 tr 1.
- Exercise 9: Trill on A5 (Bb5). Fingering: 7 tr 1.
- Exercise 10: Trill on B5 (C5). Fingering: 7 tr 1.

Trill exercises on the third line of the staff. Each exercise consists of a musical notation with a trill symbol (*tr*) and a fingering diagram below it.

- Exercise 11: Trill on C6 (D#5). Fingering: 7 tr 1.
- Exercise 12: Trill on D6 (Eb6). Fingering: 7 tr 1.
- Exercise 13: Trill on E6 (F#5). Fingering: 7 tr 1.
- Exercise 14: Trill on F6 (G5). Fingering: 7 tr 1.
- Exercise 15: Trill on G6 (Ab6). Fingering: 7 tr 2.

Trill exercises on the fourth line of the staff. Each exercise consists of a musical notation with a trill symbol (*tr*) and a fingering diagram below it.

- Exercise 16: Trill on A6 (Bb6). Fingering: 7 tr 2.
- Exercise 17: Trill on B6 (C#6). Fingering: 7 tr 1.
- Exercise 18: Trill on C7 (D6). Fingering: 7 tr 1.
- Exercise 19: Trill on D7 (Eb7). Fingering: 7 tr 1.
- Exercise 20: Trill on E7 (F#6). Fingering: 7 tr 1.

Trill exercises on the fifth line of the staff. Each exercise consists of a musical notation with a trill symbol (*tr*) and a fingering diagram below it.

- Exercise 21: Trill on F7 (G#6). Fingering: 7 tr 1.
- Exercise 22: Trill on G7 (Ab7). Fingering: 7 tr 5.
- Exercise 23: Trill on A7 (Bb7). Fingering: 7 tr 1.
- Exercise 24: Trill on B7 (C#7). Fingering: 7 tr 6.
- Exercise 25: Trill on C8 (D7). Fingering: 7 tr 5.

# Basic Flute Technique

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

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

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

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

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

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

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

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

**Tremolando in thirds**  
*Terssitremolo*

The score consists of six staves of music, each with a treble clef and a key signature of one flat (B-flat). The music is written in a 2/4 time signature. The first staff begins with a dynamic marking of *pp* (pianissimo) and includes fingering diagrams for notes 2, 5, and 7, with trills on notes 5 and 6. The second staff continues with *pp* dynamics and includes fingering diagrams for notes 1, 5, and 7, with trills on notes 5 and 6. The third staff features a dynamic marking of *ff* (fortissimo) and includes fingering diagrams for notes 1, 5, and 7, with trills on notes 5 and 6. The fourth staff includes fingering diagrams for notes 1, 5, and 7, with trills on notes 5 and 6. The fifth staff includes fingering diagrams for notes 1, 5, and 7, with trills on notes 5 and 6. The sixth staff includes fingering diagrams for notes 1, 5, and 7, with trills on notes 5 and 6.

# XIII Micro intervals • Mikrointervalleja

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

♯ = quarter sharp / neljänneskorotus

♭ = quarter flat / neljännesalennus

Staff 1: Notes (from left to right): ♭, ♭, ♯, ♭, ♯, ♯, ♭, ♭. Fingering diagrams below: 1-7, 1-7, 1-7, 1-9(10).

Staff 2: Notes (from left to right): ♯, ♯, ♭, ♭, ♯, ♯, ♭, ♭, ♯. Fingering diagrams below: 1-7, 1-3-7, 1-7, 1-7, 1-7, 1-7, 1-9.

Staff 3: Notes (from left to right): ♭, ♯, ♯, ♭, ♭, ♯, ♯. Fingering diagrams below: 1-7, 1-8, 1-9.

Staff 4: Notes (from left to right): ♭, ♭, ♯, ♭, ♯, ♯, ♭, ♭. Fingering diagrams below: 1-7, 1-5-6-7, 1-7, 1-9, 1-7, 1-8, 1-8.

Staff 5: Notes (from left to right): ♯, ♯, ♭, ♭, ♯, ♯, ♭, ♭, ♯. Fingering diagrams below: 1-3-7, 1-3-7, 1-3-8, 1-7, 1-7(3), 1-7, 1-7, 1-3-7.

# Basic Flute Technique

The page contains six systems of flute exercises. Each system consists of a musical staff with notes and a corresponding fingering diagram below it. The fingering diagrams use solid black circles for fingers to be pressed and open circles for fingers to be lifted. Numbers 1-3 indicate fingerings for specific notes.

- System 1:** Musical staff with notes G4, A4, B4, C5, B4, A4, G4. Fingering diagrams show: G4 (9), A4 (7), B4 (8), C5 (1, 3).
- System 2:** Musical staff with notes G4, A4, B4, C5, B4, A4, G4. Fingering diagrams show: G4 (1, 3, 7), A4 (1, 7), B4 (1, 7), C5 (1, 7), B4 (1, 7), A4 (1, 7), G4 (1, 7).
- System 3:** Musical staff with notes G4, A4, B4, C5, B4, A4, G4. Fingering diagrams show: G4 (7), A4 (7, 3), B4 (7, 3, 5), C5 (1, 3, 5, 7).
- System 4:** Musical staff with notes G4, A4, B4, C5, B4, A4, G4. Fingering diagrams show: G4 (1, 5, 6), A4 (1, 5, 7), B4 (1, 6, 7), C5 (3, 6), B4 (3, 9), A4 (1, 3, 7, 8), G4 (1, 9).
- System 5:** Musical staff with notes G4, A4, B4, C5, B4, A4, G4. A dashed line labeled '8va' is above the staff. Fingering diagrams show: G4 (2, 5), A4 (1, 5, 9), B4 (6), C5 (6), B4 (5, 6), A4 (6).

# 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

**whistle-tone**  
("vihellysäni")

**abbreviations: lyhenteitä:**  
S = sing (laulu)  
Wh = whisper (kuiskaus)  
Sp = speak (puhe)  
Wsl = whistle (vihellys)  
WT = "whistle-tone" ("vihellysäni")  
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

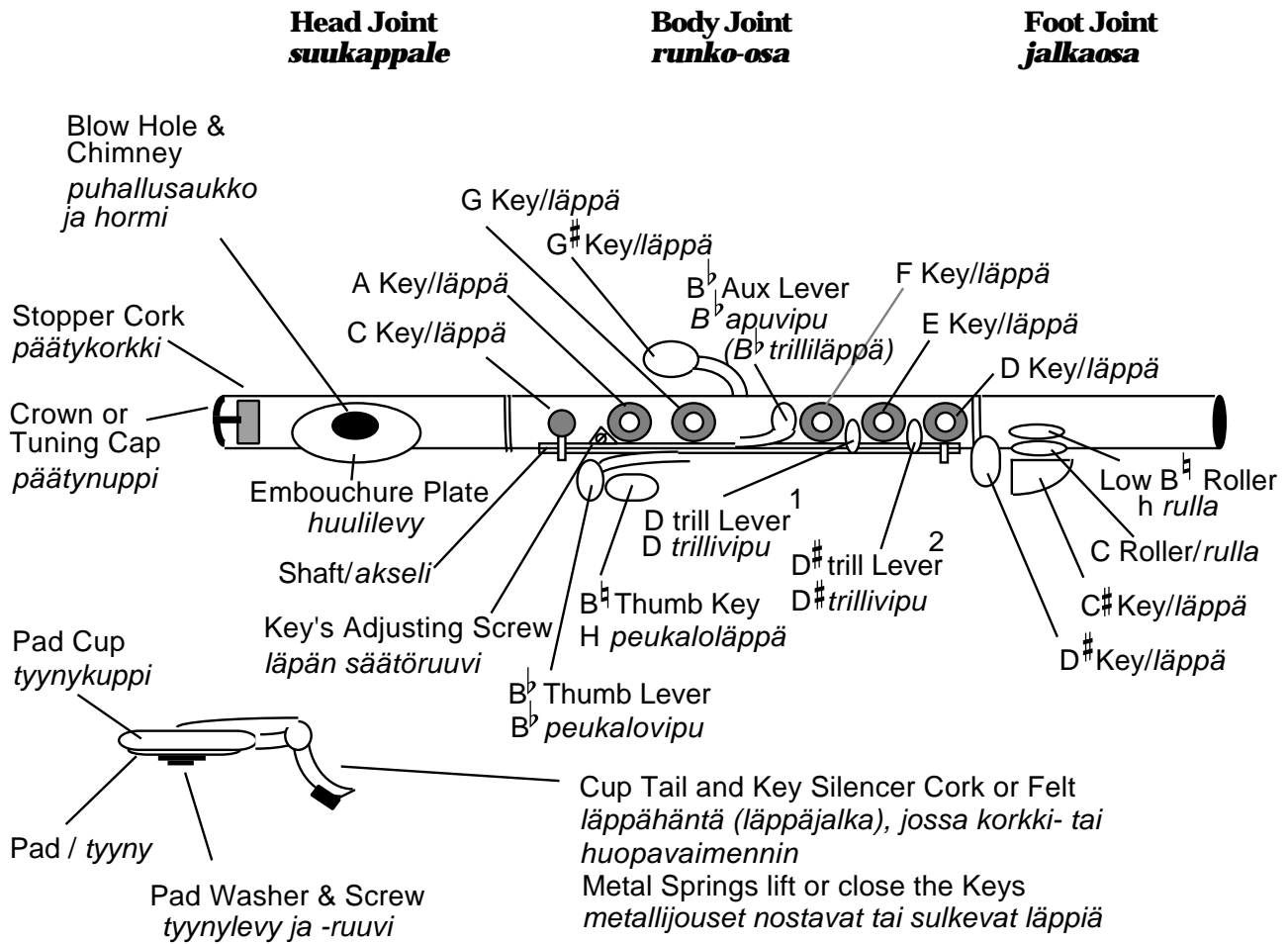
**x** = 1/4 lengthening of rhythm value  
x = 1/4 nuottiarvon pidennys

**Ex: / Esim.:**  
○ x = ◡ + ◡

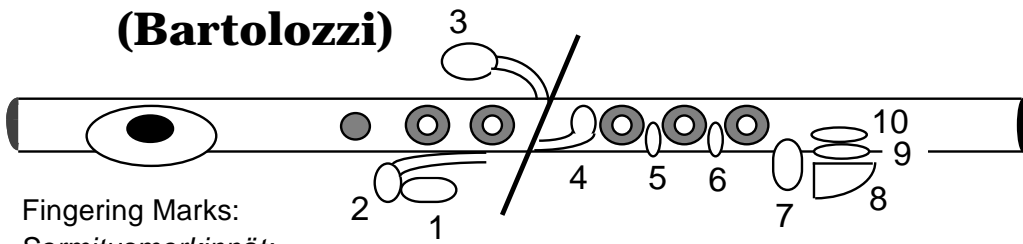
**crescendo from silence and until diminuendo into silence**  
hiljaisuudesta alkaen ja loppuen



# 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