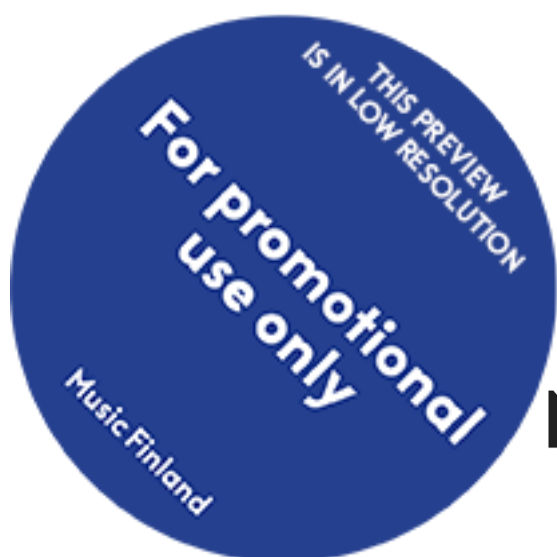


Mioko Yokoyama

Mineralization

for flute, bass clarinet, violin and cello

2023



Music Finland

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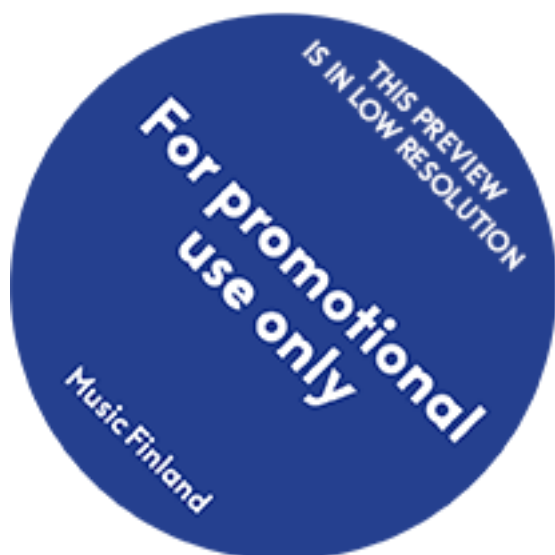
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Mineralization

Mioko Yokoyama (2023)



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Music Finland

Instrumentation

Flute

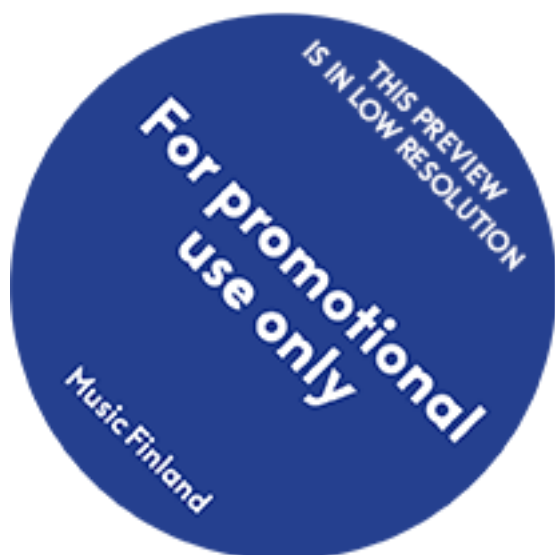
Bass Clarinet

Violin (scordatura III and IV + prepared by Blu-tack), with a plectrum (2mm thick)

Violoncello (prepared by Blu-tack)

Duration: ca. 13 min.

Score is transposed.



Woodwinds



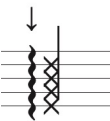
Air sound



Pitched air sound



Slap tonguing

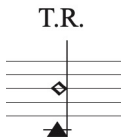


Key clicks (glissando downward)

Flute



Exhaling / Inhaling



Tongue-ram



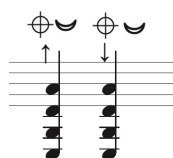
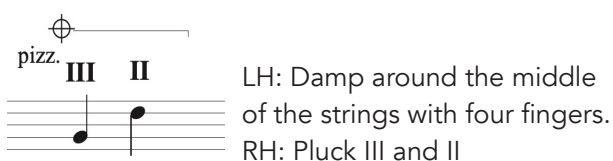
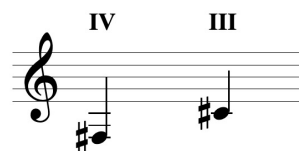
Strings

- Violin IV and III, Violoncello I, put a small piece of Blu-tack on the middle of the fingerboard and the bridge.
- The soundings would be approximately a half-step lower.
- Always play between the fingerboard and the Blu-tack.

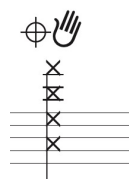
Violin, IV and III:

In addition to Blu-tack, scordatura half step lower.

IV to F#, III to C#

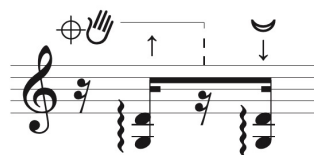


LH: Damp around the middle of the strings with four fingers.
RH: play upward / downward with fingernail(s).



LH: Damp around the middle of the strings with four fingers strongly.

Violin b.51

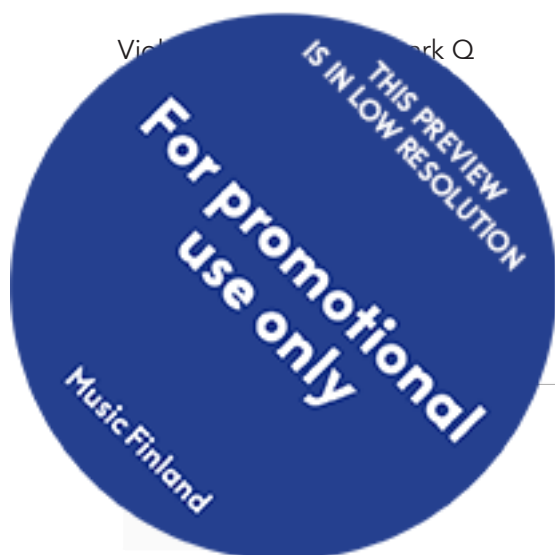


1. LH: Damp strings with four fingers and keep
2. RH: Pluck IV and III upward
3. LH: Leave the hand from the strings
3. RH: Pluck III and IV downward with a fingernail

b.131-137

- Touch I and II with a plectrum gently.

Violoncello I, Violoncello II, Double Bass



This piece was commissioned by Uusinta Ensemble.

The work was supported by the Madetoja-foundation of the Society of Finnish Composers and the Finnish Cultural Foundation.



Mineralization

Mioko Yokoyama (2023)

$\text{♩} = 96$

Flute

slap

Air sound

sf

p

fl.

mp

p

Bass Clarinet

slap

sf

mp

Vn. sounding

arco between the fingerboard and the Blu-tack

IV

Violin (Scordatura III and IV)

sf p marcato

Cello

sf

Fl.

sh

mp

p

mp

p

mp

p

B. Cl.

sounding

mp

pizz. III II

mp

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Fl. *sh* *t k t k t k t k t* **A** *t k t k t k t*

sf mp mf mp mf

B. Cl. *mp p mp mp mf mp*

sounding

Vln. *mf* *pizz. 3* *f* *arco batt. IV* *mf* *marcato mp*

sounding

Vc. *f* *pizz. 6* *mf* *pizz.* *arco* *mp mf*

Fl. *key clicks* *sh* *t k t k t k t* *Jet Whistle*

sf f mp mf f mp f

B. Cl. *key clicks* *mf f* *mf mp* *mf mp*

sounding

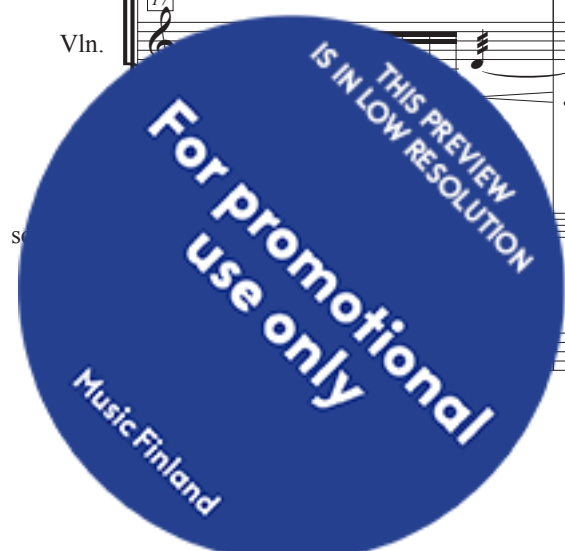
Vln. *f* *mp mf*

III pizz. III arco III pizz.

IV IV III

f mf mp mf

pizz. I arco I



Fl. *fl.* *mp* < *mf* *mp* < *mf* *mf* < *f* *mf* *sf* *f* *key clicks* *T.R.*

B. Cl. *mf* *f*

sounding

Vln. *mp* *mf* *f* *quietly*

Vc. *pizz.* *mf* *→ without bow* *Body of the instrument* *pizz.* *mf* *f*

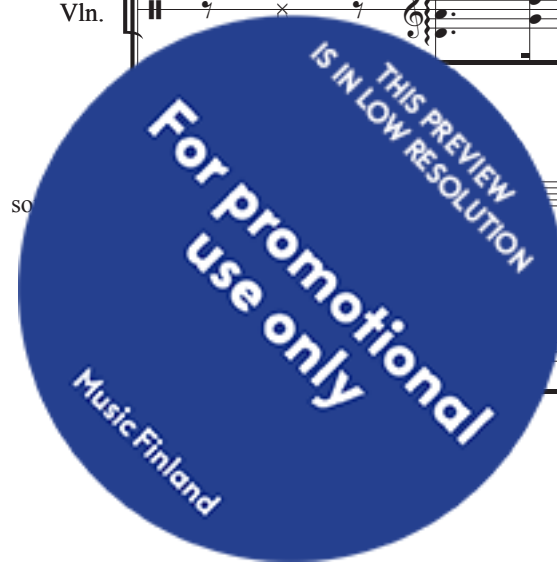
Fl. *sf* *f* *sf* *f*

B. Cl. *f* *mf* *mp* *f*

sounding

Vln. *Body of the instrument* *pizz.* *mf*

SO



Fl. *36* *riten.* *accel.* -----

B. Cl. *f* *f* *f* *9*

sounding Vln. *36* *pizz.* *f* *f* *mf*

sounding Vc. *f* *arco* *mp*

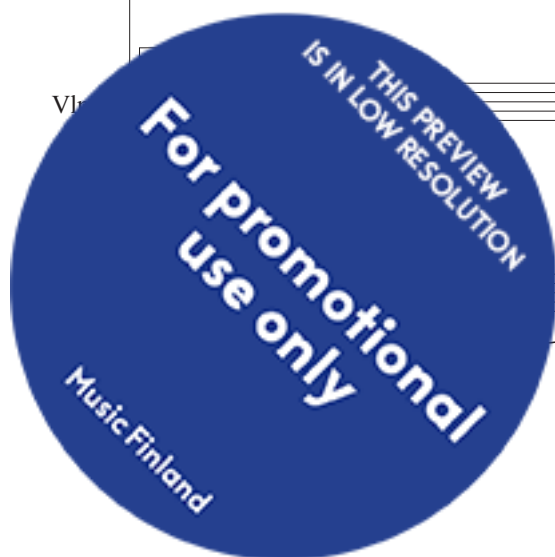
C Tempo 1^o

Fl. *flt.* *p* *f* *p* *f* *f* *key clicks*

B. Cl. *mp* *mf* *3* *f* *key clicks*

Vln. *f*

Vc. *f*



43

Fl.

key clicks <tk> as fast as possible

sf *f* *mp* *f* *mp*

B. Cl.

mf *f*

Vln.

sounding

Vc.

pizz. *f*

arco *s.p.* *f*

46

Fl.

key clicks <tk> as fast as possible

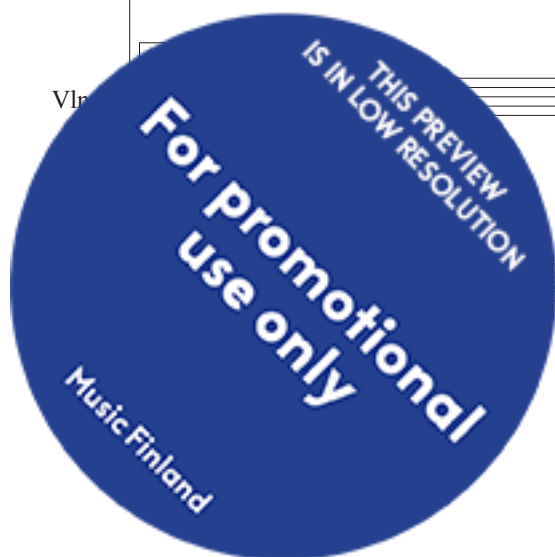
f *f*

B. Cl.

f

Vln.

12/16



49

Fl.

B. Cl.

sounding

Vln.

Vc.

flt.

f

mp

f

arco batt.

f

arco

p

simile

2
4
2
B
D#

52

Fl.

B. Cl.

sounding

Vln.

mf

mp

mf

Split tone

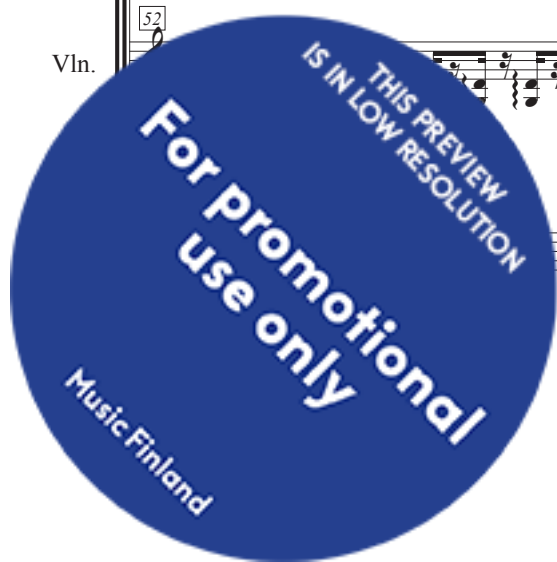
mp

mf

p

f

2
4
2
B
D#



D

Fl. *mf* *f* *f*

B. Cl. *mf* *f* *f*

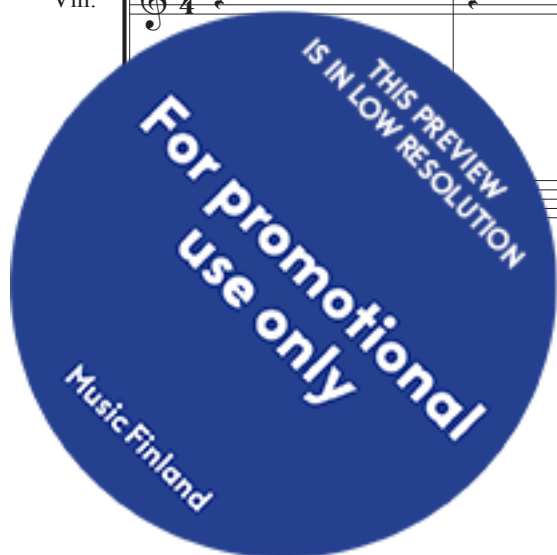
Vln. 55

Vc. *f* arco batt.

Fl. 59 *f* t k t k t k

B. Cl. *f*

Vln. 59 arco arco batt.



63 *fl.* *ff* *mp* *f* *f* *p*

key clicks ↓

B. Cl.

sounding

Vln. *f* *mp* *f* *f* *p* →without bow

Vc. *pizz. II* *f*

E

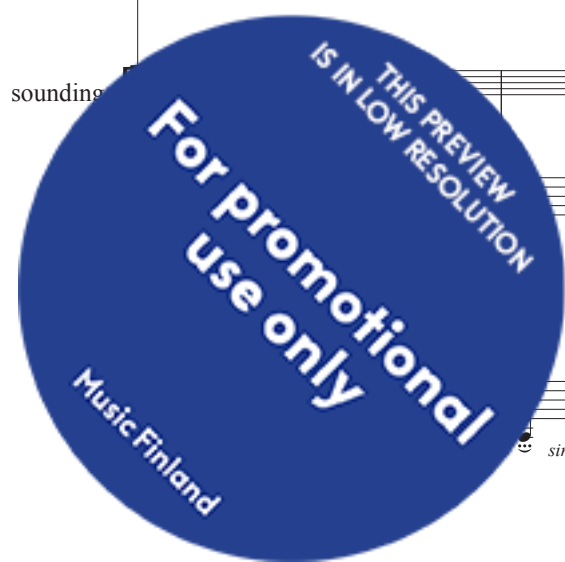
Fl.

B. Cl.

sounding

p

simile



Fl. **70** *pp* *p* *pp*

B. Cl.

sounding

Vln. **70** *f* *p* *Open* *Open* *simile*

sounding

Vc. *pizz.* *c.l. batt.* *p* *pp*

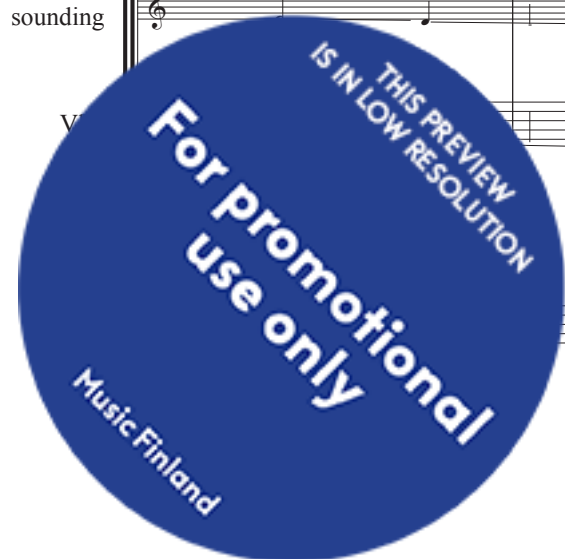
Fl. **74** *pp* *mp > p* *mp > p* *flt.*

B. Cl. *p* *pp* *pp* *3* *5* *5* *mp > p* *mp > p* *flt.*

sounding

V. *mp* *pizz.* *mp*

→with bow



rit. -----

Fl. 77

mp > *p* *mp* > *p* *p*

B. Cl.

mp > *p* *mp* > *p*

sounding

Vln. 77

pizz. ↑ ⊕

p

Vc.

p

F *a tempo*

Fl.

p

B. Cl.

p

sounding

pizz. **III**

sf *mf*



84

Fl.

B. Cl.

sounding

Vln.

Vc.

mp

mp

mp

c.l. batt.

mp

87

Fl.

B. Cl.

sounding

Vln.

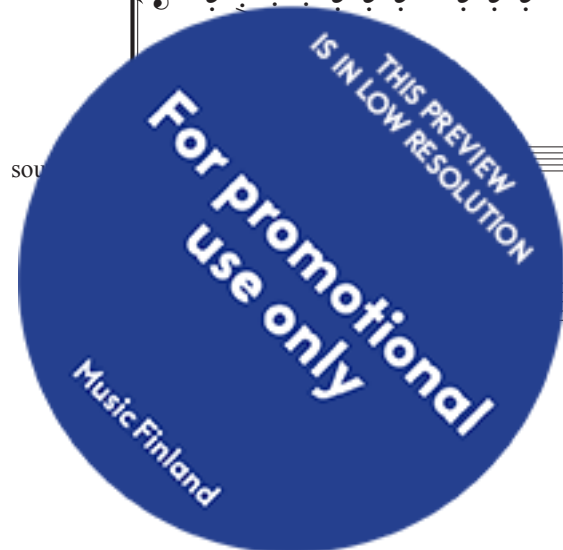
pp $\leftarrow$ *mp* $\rightarrow$ *p*

pp $\leftarrow$ *mp* $\rightarrow$ *p* *mp*

flt.

p $\rightarrow$ *mp*

arco batt.



90 *poco riten.* **G** *a tempo*

Fl. *sf p f mp f mp f*

B. Cl. *mf*

sounding

Vln. *mp mf*

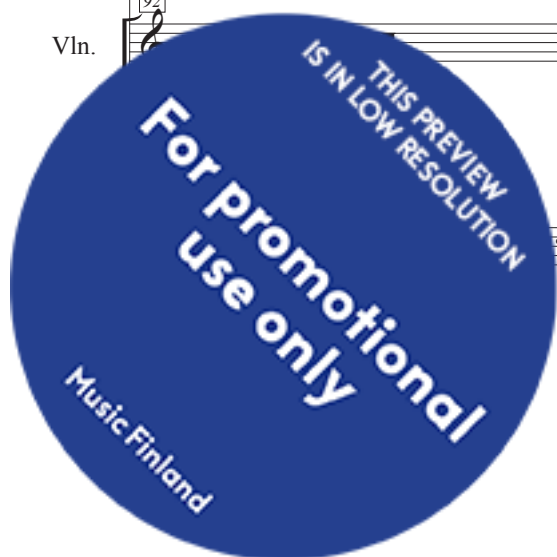
Vc. *mf mp*

92 *Jet Whistle*

Fl. *sf mp f mp*

B. Cl. *p mp mp*

Vln. *f*



95

Fl.

t k t t k t V t k t V t k t V

f

B. Cl.

f *mf* *sf* *mf*

sounding

Vln.

95

pizz. *f* III IV 3

sounding

Vc.

f *mf*

98

Fl.

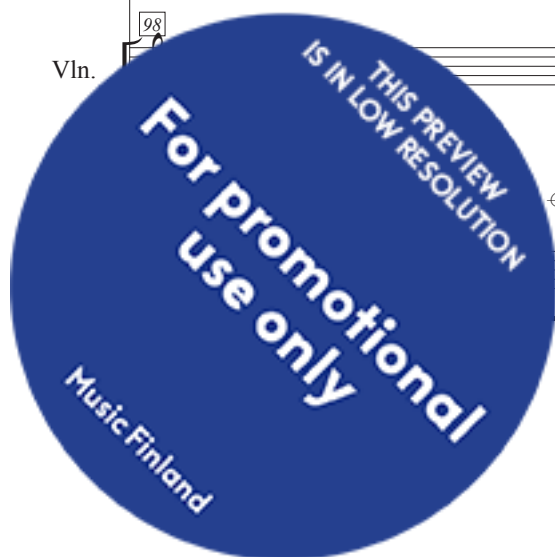
B. Cl.

sf *mf*

Vln.

98

sf *mf*



Fl. *f* *p* sounding like harmonics

B. Cl. *f* *subito p* *mf* *mp*

sounding

Vln. *f* *p* arco I (♩) (♩)

sounding

Vc. *f* arco

Fl. *p* *pp* *p* **H**

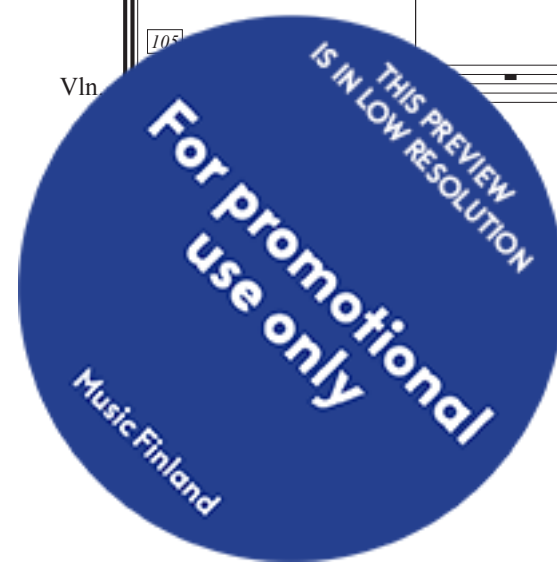
B. Cl. *p* *pp*

sounding

Vln. *p* pizz. III IV

sounding

Vc. *p* pizz.



Fl. *p*

B. Cl. *pp*

sounding

Vln. *III IV*

Vc.

Fl. *pp*

B. Cl. *pp*

sounding

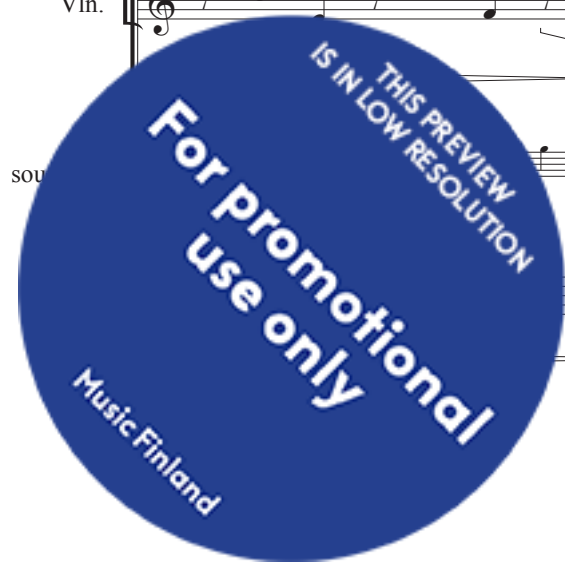
Vln. *pp*

sou

c.l. batt. *pp*

arco *p mf*

sounding like harmonics



Fl. 117

B. Cl. *p*

sounding

Vln. 117 *p*

sounding

Vc. *pizz.* *p*

Fl. 121 *pp*

B. Cl. *pp* *p*

sounding

Vln. 121 arco I II (♩) *pp*

sou

arco IV *pp*

Rub the strings between the pegs and the bridge



124

Fl.

B. Cl.

sounding

Vln.

Vc.

pp

arco III

pp

128

Fl.

B. Cl.

Vln.

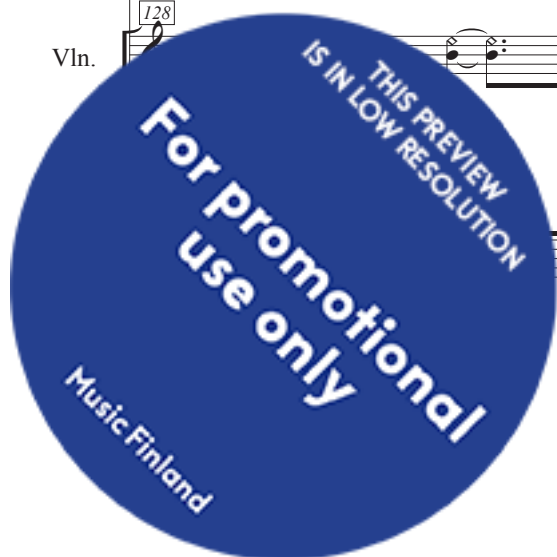
pp

pp

→ with ▽

arco

pp



131

Fl.

fl.
pp

B. Cl.

pp

sounding

Vln.

pp

sounding

Vc.

134

Fl.

fl.
pp

B. Cl.

pp

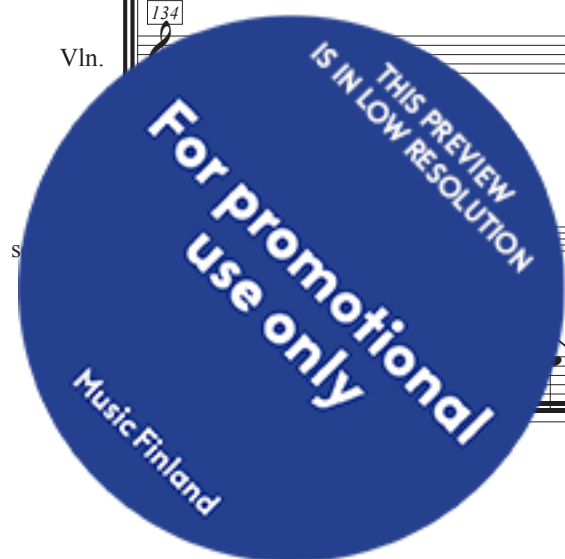
sounding

Vln.

pp

sounding

Vc.



137

Fl. *p* *pp* *pp*

B. Cl. *p* *pp*

sounding

Vln. *I* *II* *I* *II* *I* *II* *I* *II* *I*

sounding

Vc. *arco batt.* *arco ord.* *s.p.* *pizz. III* *pp*

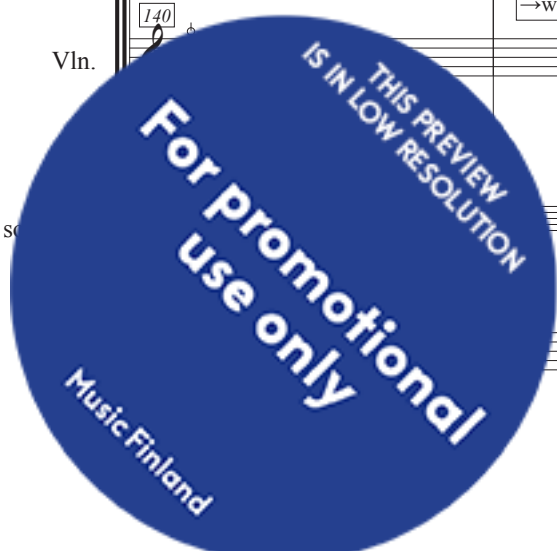
140 *flt.* *p* *pp*

B. Cl. *pp* *pp* *p* *sf*

sounding

Vln. *→with bow* *arco batt.* *pizz.* *p* *p*

p



Fl. 143 K

B. Cl. 6

Vln. 143 arco (d) I

sounding

Vc. arco III

pp *p* *sf* *pp* *p* *p*

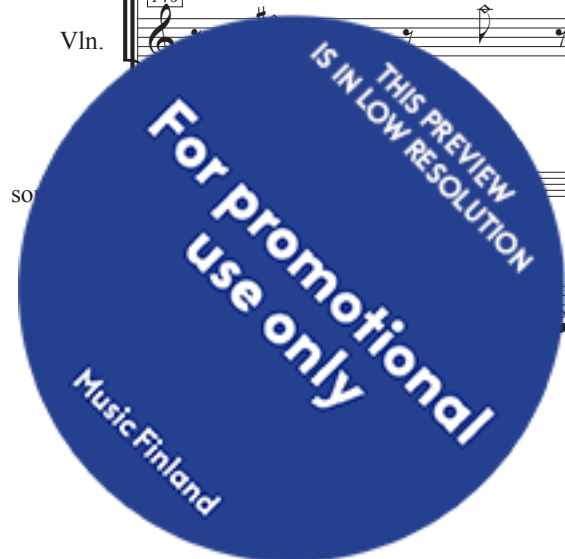
Fl. 146 *pp* *mp* *f* key clicks

B. Cl. 9 6 9 *pp* *mp* *f* key clicks

sounding

Vln. 146 I I pizz.

SO III II III I pizz.



rit.

Fl. 149

B. Cl.

sounding

Vln. 149

sounding

Vc.

p *mf* *pp*

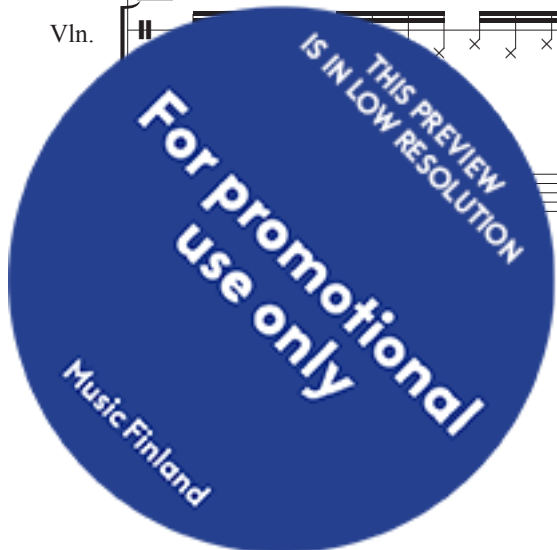
L *a tempo*
key clicks

Fl. *mp* *mf*

B. Cl. *mp* *mf*

Vln. 152 Body of the instrument

pizz. II III IV *mf*



155

Fl. T.R. *mp* *mf*

B. Cl. *mp* *mf*

Vln. *mp* *mf* *mf*

sounding

Vc. arco III *mf* arco batt. *mf*

158

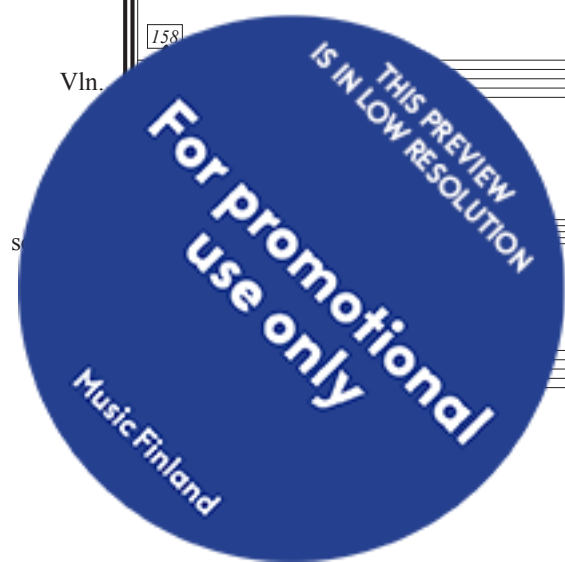
Fl. Jet Whistle *sf* *mf*

B. Cl. *mf*

sounding

Vln. *mf*

Vc. *mf*



Fl. **M** *mf*

B. Cl. *f* Split tone

sounding

Vln. *f* III arco IV II III IV II

sounding

Vc. *f* *s.p.*

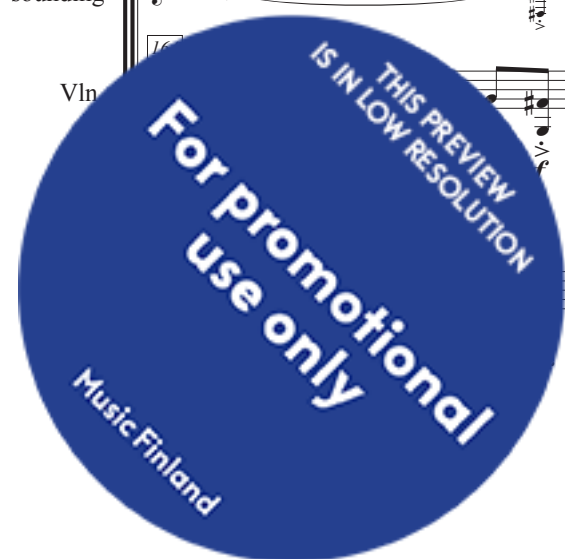
Fl. **164** *p* *sf* *p* *sf* *f*

B. Cl. *p* *f* *p* *f* *f*

sounding

Vln. *p* *sf* *f*

p *sf*



167 *vib.*

Fl. *mf* *p*

B. Cl. *mf*

sounding

Vln. *mf*

Vc. *pizz.* *mf*

N ♩ = 56

Fl. *pp* sounding like harmonics

B. Cl. Toneless *fp* *p*

sounding

V. *p*

s.p. *s.t.* *s.p.*

Fl. 176

B. Cl.

sounding

Vln. 176

sounding

Vc.

pp

fp

fp

s.t. *s.p.* *s.t.* *s.p.* *s.t.* **I**

fp

Fl. 181

B. Cl.

sounding

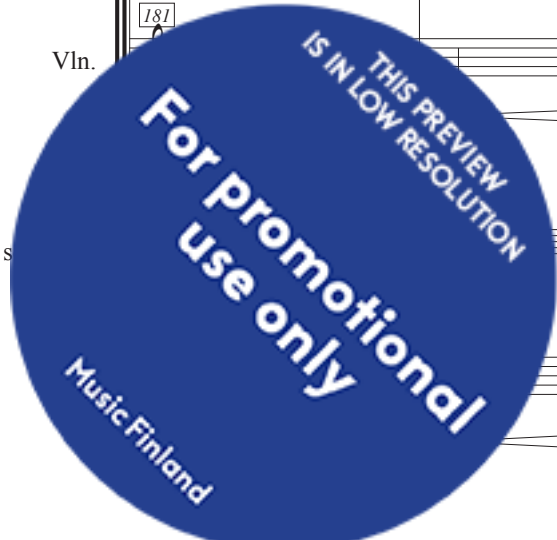
Vln. 181

fp

fp

p

s.p. *s.t.* *s.p.* **I** *p*



187

Fl.

pp

B. Cl.

Split tone

pp

sounding

Vln.

pp

sounding

Vc.

pp

192

Fl.

p

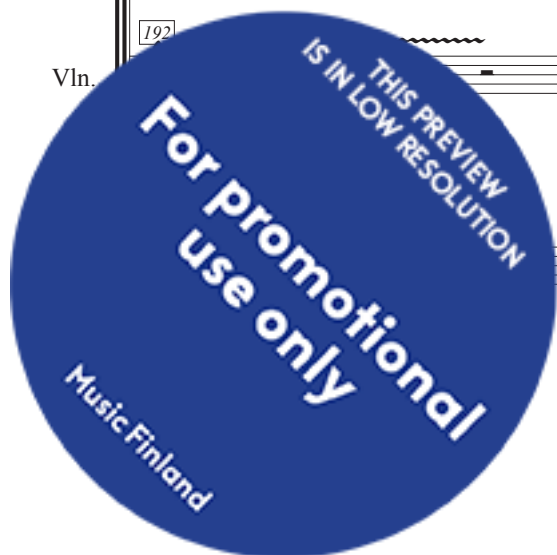
B. Cl.

pp

sounding

Vln.

pp



0

Fl.

pp

B. Cl.

sounding

Vln.

195

pp

Vc.

pp

I (♩)

(♩)

(♩)

200

Fl.

pp

B. Cl.

Vln.

200

pp

pp

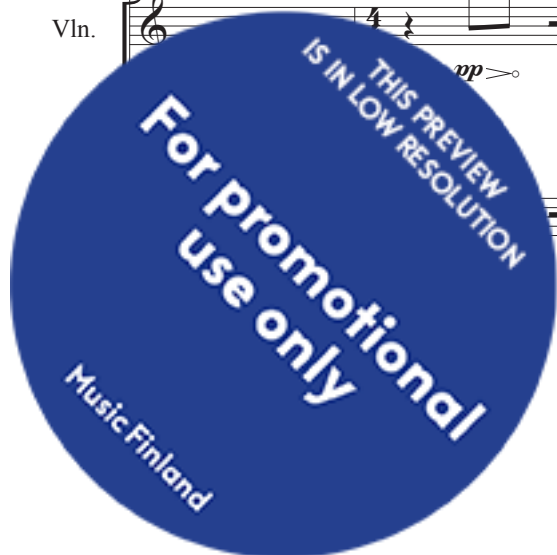
pp

8va

II I

III

III IV III



205

Fl.

B. Cl.

Vln. II

Vc. III

accel.

210

Fl.

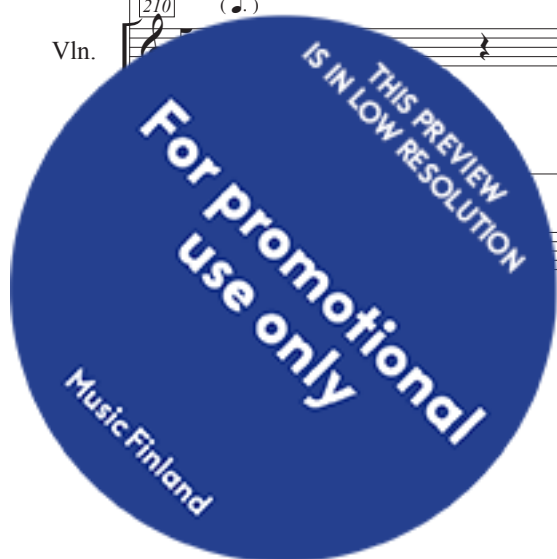
B. Cl.

Vln.

p

p *mf*

p *mf*



Fl. *p* *mp* *mf* *p* t k t k

B. Cl. *mf* *p*

Vln. *mf*

Vc. →without bow

P ♩ = 112

2/4

Fl. *mf* *p* *mf* *mf* *f* t k t k t k t k

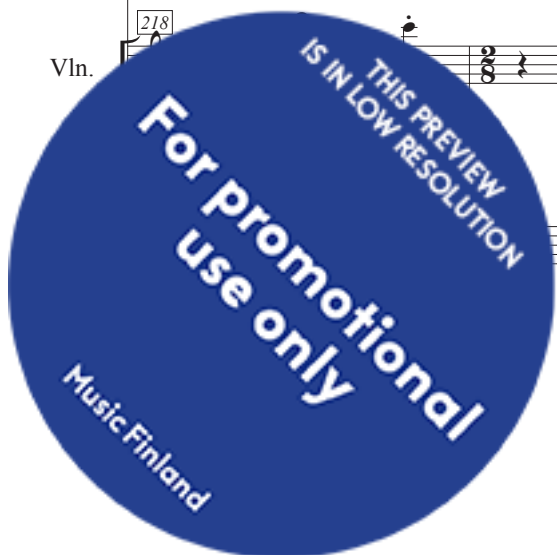
B. Cl. *mf* *p* *mf* *mf*

Vln. *f* pizz. III II

Body of the instrument with the strings damped

mf *f*

2/8



223

Fl. *f* *mf* *f* *mf* *f* *mf* *f*

B. Cl. *f* *f* *f* *mf*

Vln. *arco* *f* *f*

Vc. *mf* *f* *mf* *f* *mf* *f*

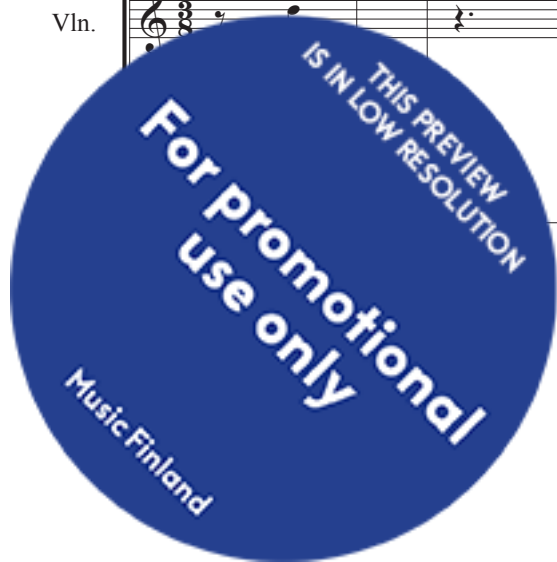
t k t k t k t k t k t k

229

Fl. *f* *f*

B. Cl. *mf* *f* *f*

Vln. *pizz.* III II *Body of the instrument* *f* *f*



Fl. 234 Q

B. Cl.

Vln. 234 arco *f*

Vc. *ff*

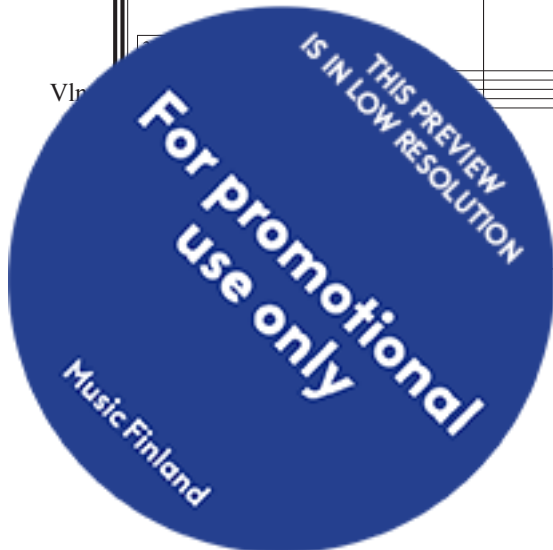
Fl. 238 T.R. *sf* *accel.* -----

B. Cl. *mp* *mf* *f*

sounding

Vln. arco *f*

Vc. *f*



(accel.)

♩ = 132

Jet Whistle

Fl. 242 *sf* *p* *sf* *sf* *mp* t k t k t k t k

B. Cl.

sounding

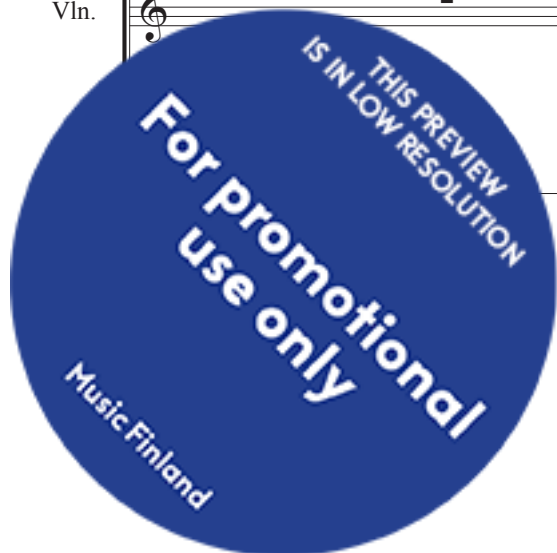
Vln. 242 IV

Vc.

Fl. 245 t k t k t k t k t k t t k t t k t t k t t k t k

B. Cl. *mp* *f* *mf* *mp*

Vln. 245



248

Fl. *f* *sf* *p* *sf*

B. Cl. *f* *mf*

sounding

Vln. *mf* *f* *mf* IV

Vc. *mf*

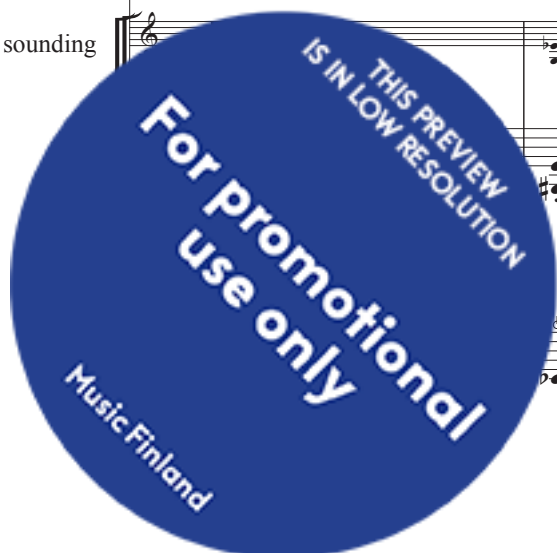
252

Fl. *sf* *mf* *sf* *mf* *f* t k t k t k t k

B. Cl.

sounding

pizz. →with bow *f*



Fl. ²⁵⁶ *ff* *mf* *f*

B. Cl. *f* *ff* *mf* *f*

sounding

Vln. ²⁵⁶ *marcato* *mf* *f*

Vc. *pizz.* *mf* *f*

R

Fl. *f espress.*

B. Cl. *ff*

sounding

arco batt.

arco batt. *arco s.p.*



263

Fl.

B. Cl.

sounding

Vln.

Vc.

arco batt.

arco batt.

arco batt. — arco *s.p.*

arco batt. — arco *s.p.*

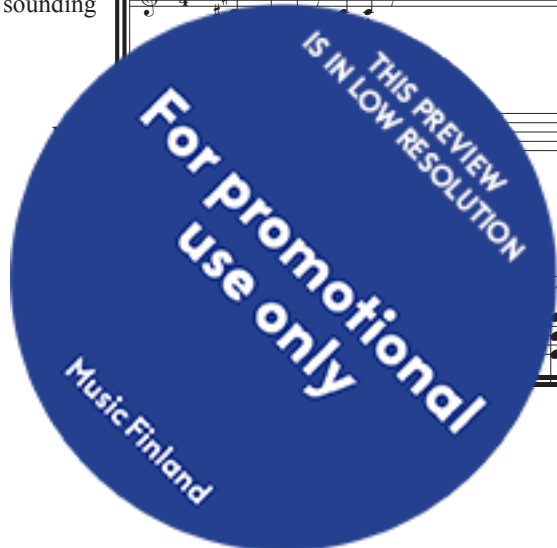
267

Fl.

B. Cl.

sounding

arco batt.



Fl. 270

B. Cl.

sounding

Vln. 270 *s.p.*

Vc. *arco* *arco batt.*

f

IV
III

5

Fl. 273

B. Cl.

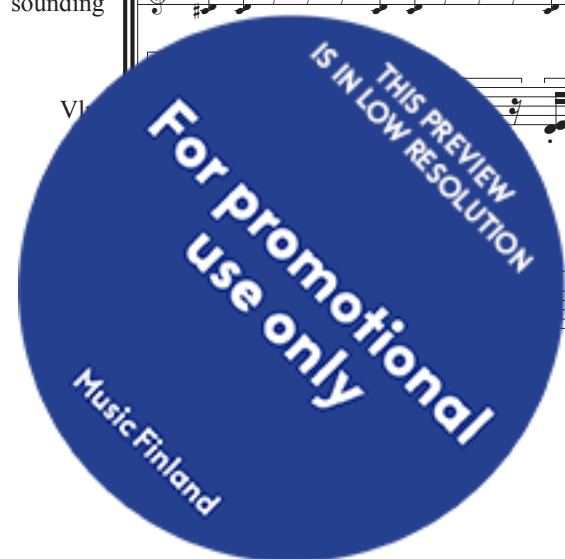
sounding

Vln.

Vc.

ff

5



Fl. 282 T

B. Cl.

sounding

Vln.

Vc.

ff

ff

ff

arco batt.

arco

pizz.

arco batt.

arco *s.p.*

ff

Fl. 285

B. Cl.

sounding

Vln.

Vc.

f

mf $\longleftarrow$ *f*

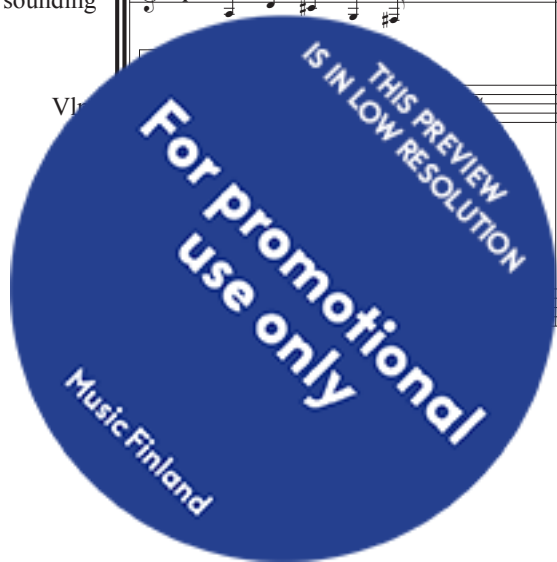
arco batt.

arco batt.

mf

ff

mf



290

Fl.

B. Cl.

sounding

Vln.

Vc.

ff

arco s.p.

arco batt.

f

294

Fl.

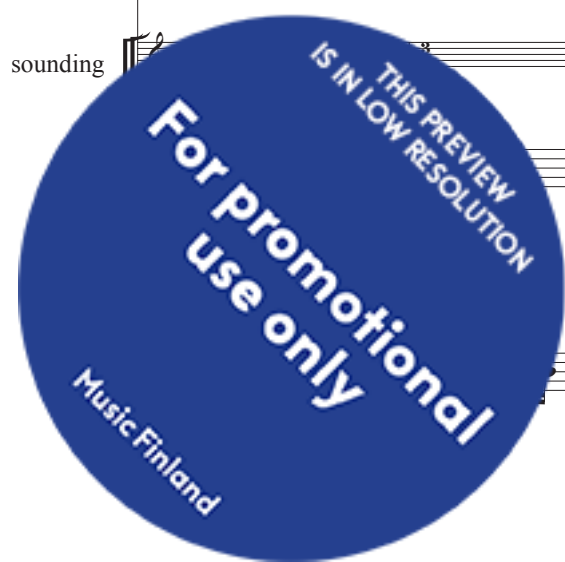
B. Cl.

sounding

I

II

pizz.



U

Fl.

p

B. Cl.

p

f

sounding

Vln.

298 pizz. ↑

p

f

arco batt.

Vc.

p

f

Fl.

302

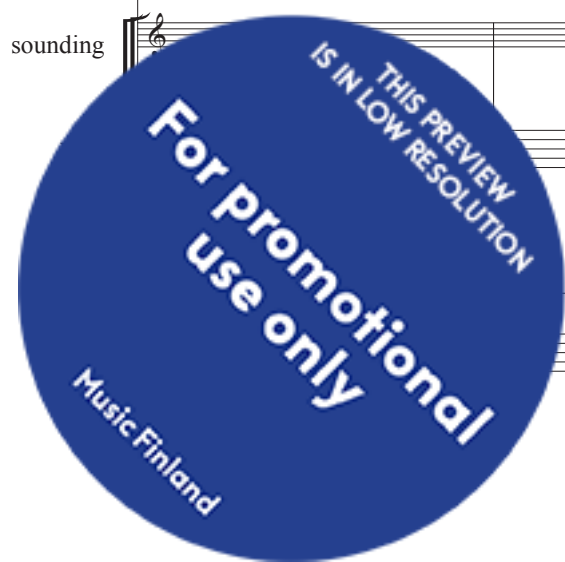
fff

rit.

B. Cl.

sounding

Attach Blu-tack on the middle of I



V $\text{♩} = 96$

Fl. *p* *mp* *f*

B. Cl. *p* *mf*

sounding

Vln. 306 pizz. *mf* arco batt. III IV *mf* *f*

sounding

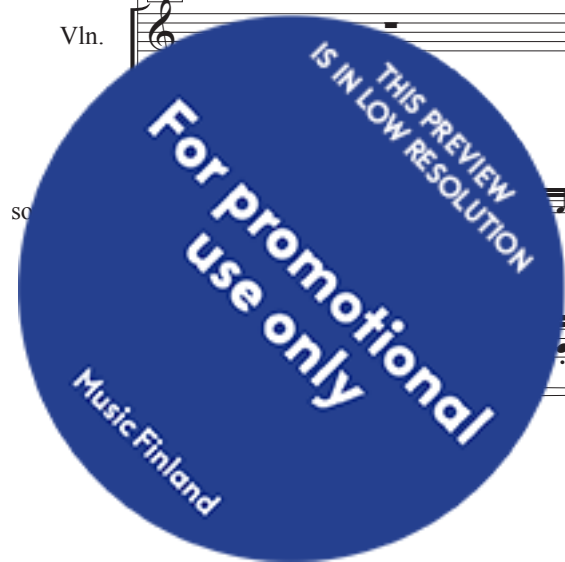
Vc. arco *p* *mf*

Fl. 309 *mp* *f* *p* *mp* t k t k t k t k t k

B. Cl. *p*

Vln. 309

SO *p*



Fl. *3/2* *flt.* *mf* *p* *mf* *p* *mp* *p* *mp* *p* *mp* *p* *mp*

B. Cl.

Vln.

sounding

Vc. *vib.*

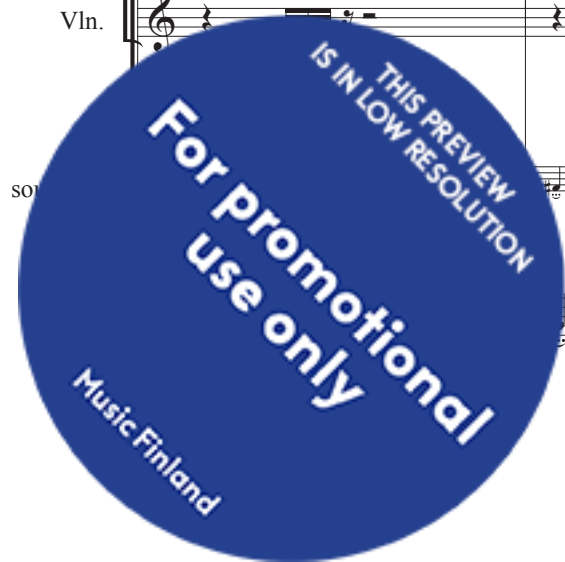
Fl. *3/6* *t k t* *t k t* *t k t* *t k t* *t k t* *t k t* *p*

B. Cl. *flt.* *p*

sounding

Vln. *3/6* *IV*

SO *c.l. batt.*



W *flt.*

Fl. *pp*

B. Cl. *pp*

sounding

Vln. *pizz.* III *pp*

Vc. *pizz.* *pp*

Fl. *ppp*

B. Cl. *pp*

Vln. *c.l. batt.* I *mm*

sounding

