

# DUBBELSTUK

(2003-2004)

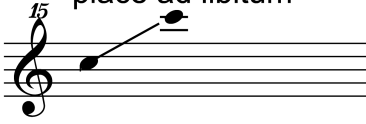
Hans Roels (°1971)

*for (automatic) player piano & musician playing inside piano*

# technical remarks

## PREPARATIONS:

all notes from C8 to C9:  
rubber between strings 1-2 and 2-3;  
place ad libitum



screw between strings 1-2;  
place ad libitum



bolt with rubber around it between string 1 & 2 on the exact place of the notated overtone:



## OTHER TECHNIQUES:

2 e-bows (electro-magnet, to make the string resonate, often used for electric guitar)

a big felt mallet to beat on the strings as fast as possible (tremolo)

a hammer pressed against the strings to play glissandi

a piece of (removable) rubber placed on the strings of the notes F#6 > C7  
between bar 66 and 83

## GENERAL REMARKS:

the notes that the musician has to play with the e-bows and the felt mallet are first played silently by the automatic player piano (about half a second in advance); this is a technical solution to be able to press a key silently with the automatic piano

this score is a simplified/quantized version of the original midi file

# DUBBELSTUK (2003-04)

Hans Roels

q = 60

Musical score for measures 1-8. The score is in 4/4 time and includes the following parts:

- prepared 1 (rubber, high notes): Treble clef, starting with a rest, then a triplet of eighth notes.
- prepared 2 (rubber, high notes): Treble clef, starting with a rest, then a series of eighth notes.
- Piano 1 normal: Treble clef, starting with a rest, then a series of eighth notes.
- Piano 2 normal: Treble clef, starting with a rest, then a series of eighth notes.
- prepared (harmonics): Treble clef, starting with a rest, then a series of eighth notes.
- inside musician A: Treble clef, starting with a rest, then a series of eighth notes. Includes a box labeled "with hammer".
- inside musician B: Bass clef, starting with a rest, then a series of eighth notes. Includes a box labeled "tremolo with mallet on strings".

Dynamic markings: *pp* (pianissimo) is used throughout. A hairpin indicates a crescendo in the bass line.

Musical score for measures 9-12. The score continues with the same parts as the previous system:

- prep1: Treble clef, starting with a rest, then a triplet of eighth notes.
- prep2: Treble clef, starting with a rest, then a series of eighth notes.
- Pno. 1: Treble clef, starting with a rest, then a series of eighth notes.
- Pno. 2: Treble clef, starting with a rest, then a series of eighth notes.
- harm: Treble clef, starting with a rest, then a series of eighth notes.
- insideA: Treble clef, starting with a rest, then a series of eighth notes. Includes a box labeled "gliss.".
- insideB: Bass clef, starting with a rest, then a series of eighth notes.

Dynamic markings: *pp* (pianissimo) is used throughout.

13<sub>f</sub>

prep1

prep2

Pno. 1

Pno. 2

harm

insideA

insideB

16<sub>f</sub>

prep1

prep2

prep3

Pno. 1

Pno. 2

insideA

insideB

20

prep1

prep2

prep3

Pno. 1

Pno. 2

harm

insideA

insideB

3

3

3

pp

pp

pp

p

p

p

with hammer

gliss.

tremolo with mallet on strings

pp

ff

26

prepl

prep3

Pno. 1

Pno. 2

harm

insideA

insideB

This musical system covers measures 26, 27, and 28. It features six staves: prepl, prep3, Pno. 1, Pno. 2, harm, and insideA. InsideB is present but contains no notation. Measure 26 starts with a treble clef and a key signature of one flat. The prepl staff has a triplet of eighth notes. The prep3 staff has a triplet of eighth notes. The Pno. 1 staff has a triplet of eighth notes. The Pno. 2 staff has a triplet of eighth notes. The harm staff has a triplet of eighth notes. The insideA staff has a triplet of eighth notes. The insideB staff is empty.

29

prepl

prep3

Pno. 1

Pno. 2

harm

insideA

insideB

This musical system covers measures 29, 30, and 31. It features six staves: prepl, prep3, Pno. 1, Pno. 2, harm, and insideA. InsideB is present but contains no notation. Measure 29 starts with a treble clef and a key signature of one flat. The prepl staff has a triplet of eighth notes. The prep3 staff has a triplet of eighth notes. The Pno. 1 staff has a triplet of eighth notes. The Pno. 2 staff has a triplet of eighth notes. The harm staff has a triplet of eighth notes. The insideA staff has a triplet of eighth notes. The insideB staff is empty.



35 *ff*

prep1

prep3

Pno. 1

Pno. 2

harm

insideA

insideB

*gliss.*

*gliss.*

(remove hammer)

*ff*

Detailed description of the musical score: The score is for a piece titled 'bbelstuk' by H. Roels, page 6. It consists of seven staves. The first staff, 'prep1', is in treble clef and contains a series of eighth notes with rests, including a triplet of eighth notes. The second staff, 'prep3', is in bass clef and features a triplet of sixteenth notes followed by a series of eighth notes. The third and fourth staves, 'Pno. 1' and 'Pno. 2', are in treble clef and contain complex chordal textures with many beamed notes and slurs. The fifth staff, 'harm', is in treble clef and contains a melodic line with a quintuplet of eighth notes, a triplet of eighth notes, and another quintuplet. The sixth staff, 'insideA', is in treble clef and includes glissando markings and a 'remove hammer' instruction. The seventh staff, 'insideB', is in bass clef and contains a series of thick horizontal lines, likely representing a sustained low-frequency sound or a specific performance technique. The piece concludes with a dynamic marking of 'ff' (fortissimo) and a hairpin symbol.



39

prep1  
prep2  
prep3  
prep4  
Pno. 2  
insideA  
insideB

ebow 1

(remove mallet) (take hammer) (leave elbow)

*p* *p* *p* *p* *mf*

7 7 3 3 7 7 3 3

7 3 3 7 7 3 3

7 3 3 7 3 3

8<sup>va</sup>



44

prep1  
prep2  
prep3  
prep4  
Pno. 3  
Pno. 2  
harm  
insideA  
insideB

*p* 7 3 3  
*p* 7 3 3  
*p* 7 3 3  
*p*  
*mf* 6 8 6  
*mf* 8 6 3  
*mf* *gliss.* *gliss.* *gliss.* *gliss.*  
*mf* *ebow 1*  
*mf* *gliss.* *gliss.* *gliss.*  
*p*

49<sub>p</sub>

prep3

Pno. 3

Pno. 2

harm

insideA

52<sub>p</sub>

prep3

Pno. 1

Pno. 3

Pno. 2

harm

insideA

remove screw between F strings

(remove hammer)

(take hammer)

56

prep3

Pno. 1

Pno. 3

Pno. 2

harm

insideA

3

with hammer

gliss.

61

prep1

prep3

prep4

Pno. 1

harm

insideA

mf

mf

mf

p

pp

gliss.

pizzicato

ebow 1 + 2

pp

place rubber on strings F# - C to dampen all notes of voice prep 4

67

prep1

prep2

prep3

prep4

insideA

69

prep1

prep2

prep3

prep4

insideA

71  $\text{ff}$

prep1

prep2

prep3

prep4

insideA

73  $\text{ff}$

prep1

prep2

prep3

prep4

insideA

Musical score for strings and piano, measures 75-80. The score includes parts for prep1, prep3, prep4, Pno. 1, Pno. 2, insideA, and insideB.

**Measure 75:** Prep1, prep3, and prep4 play sixteenth-note patterns with triplets and 7-note groups. Pno. 1 and Pno. 2 play sixteenth-note patterns with triplets and 6-note groups. insideA has a long note with a dynamic marking of *pp*. insideB is silent.

**Measure 76:** Prep1, prep3, and prep4 continue with similar patterns. Pno. 1 and Pno. 2 continue with sixteenth-note patterns. insideA has a dynamic marking of *pp*. insideB is silent.

**Measure 77:** Prep1, prep3, and prep4 continue with similar patterns. Pno. 1 and Pno. 2 continue with sixteenth-note patterns. insideA has a dynamic marking of *pp*. insideB is silent.

**Measure 78:** Prep1, prep3, and prep4 continue with similar patterns. Pno. 1 and Pno. 2 continue with sixteenth-note patterns. insideA has a dynamic marking of *pp*. insideB is silent.

**Measure 79:** Prep1, prep3, and prep4 continue with similar patterns. Pno. 1 and Pno. 2 continue with sixteenth-note patterns. insideA has a dynamic marking of *pp*. insideB is silent.

**Measure 80:** Prep1, prep3, and prep4 continue with similar patterns. Pno. 1 and Pno. 2 continue with sixteenth-note patterns. insideA has a dynamic marking of *pp*. insideB is silent.

**Annotations:**

- ebow 1 + 2
- remove rubber
- place rubber on strings F# - C to dampen all notes of voice prep 4

82

prep1

prep2

prep3

prep4

Pno. 1

Pno. 3

Pno. 2

Pno. 4

insideA

mf

f

remove rubber and all "harmonics" preparations (remove preparations on the highest notes before bar 89 !)



85

prep1

prep2

Pno. 1

Pno. 3

Pno. 2

Pno. 4

insideA

Detailed description: This system covers measures 85 and 86. Prep1 has a whole rest in measure 85 and a half note chord in measure 86. Prep2 has a continuous eighth-note pattern with triplets in measures 85 and 86. Pno. 1 has a half note chord in measure 85 and a half note chord in measure 86. Pno. 3 has a quarter note chord in measure 85 and a quarter note chord in measure 86. Pno. 2 has a quarter note chord in measure 85 and a quarter note chord in measure 86. Pno. 4 has a quarter note chord in measure 85 and a quarter note chord in measure 86. InsideA is silent.

87

prep1

prep2

Pno. 1

Pno. 3

Pno. 2

Pno. 4

insideA

Detailed description: This system covers measures 87, 88, and 89. Prep1 has a quarter note chord in measure 87, a quarter note chord in measure 88, and a quarter note chord in measure 89. Prep2 has a continuous eighth-note pattern with triplets in measures 87, 88, and 89. Pno. 1 has a quarter note chord in measure 87, a quarter note chord in measure 88, and a quarter note chord in measure 89. Pno. 3 has a quarter note chord in measure 87, a quarter note chord in measure 88, and a quarter note chord in measure 89. Pno. 2 has a quarter note chord in measure 87, a quarter note chord in measure 88, and a quarter note chord in measure 89. Pno. 4 has a quarter note chord in measure 87, a quarter note chord in measure 88, and a quarter note chord in measure 89. InsideA is silent.

90/15

prep1

prep2

prep3

Pno. 1

Pno. 3

Pno. 2

insideA

3

3

3

3

7

7

7

6

92

prep1 *p* *mf*

prep2 *p*

prep3 7 7 7 7 3

Pno. 1 *f*

Pno. 3 *p*

Pno. 2 *p* *mf*

Pno. 4 *f*

insideA

94/15

prep1

prep2

Pno. 1

Pno. 3

Pno. 2

Pno. 4

insideA

96

prep1

5 5 7 5

prep2

3 3 3

prep3

3 7 7 7 7

Pno. 1

p

Pno. 3

Pno. 2

3 3

Pno. 4

insideA

98

prep1

prep2

prep3

Pno. 1

Pno. 3

Pno. 2

insideA

*pp* 5

*pp*

*f*

*pp*

*mf*

104 normal (not prepared)

prep1

prep2 normal (not prepared)

prep3 normal (not prepared)

Pno. 1

Pno. 3

Pno. 2

insideA

105 normal (not prepared)

prep1

prep2 normal (not prepared)

prep3 normal (not prepared)

Pno. 1

Pno. 3

Pno. 2

insideA

normal (not prepared)

107 *f* <sub>3</sub> <sub>6</sub> <sub>6</sub> <sub>3</sub> <sub>6</sub> <sub>6</sub> <sub>6</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub>

normal (not prepared)

<sub>3</sub> <sub>6</sub> <sub>6</sub> <sub>3</sub> <sub>6</sub> <sub>6</sub> <sub>6</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub>

normal (not prepared)

*ff* <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub>

*ff* <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub>

*f* <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub>

*f* <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub> <sub>3</sub>

insideA

insideB

tremolo with mallet on strings



109 normal (not prepared) prepared

prep1

prep3 normal (not prepared) prepared

Pno. 1

Pno. 3

Pno. 2

insideA

insideB

*f* *mf* *ff* *f* *mf*

112

prep1

prep3

Pno. 1

Pno. 3

Pno. 2

insideA

insideB

*p* *mf* *p* *pp* *p*

