

# Speer & schild (Spear & shield)

## Piece for Piano solo and Max-ISPW

Michèl Koenders  
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### Explanation

#### Part I - a & I - b

The two parts need to be played as if it is one part.

#### Part II - a + MAX-ISPW

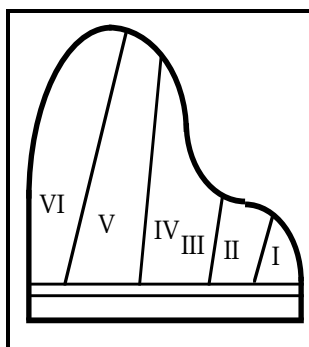
##### **MAX:**

Max will record and play-back small parts layerd on top of each other. This will result in micro tonal shifts of the recorded material. Everything is event-driven and will be triggered by the player.

##### **Register notation (inside the piano).**

The precise registers depends on the actual inside framework of the piano.

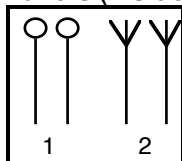
##### **The main six registers inside the piano.**



##### **Notated on the staff.**

Musical notation on a staff. Above the staff, there are two circles with a downward-pointing arrow and the number 80. A box labeled "Inside the piano" is positioned above the staff. The staff itself has a bracket labeled "3" over a group of notes. To the left of the staff, the registers I, II, III, IV, V, and VI are listed vertically. The notes on the staff are marked with "4" and "f".

##### **Use of mallets (inside the piano).**

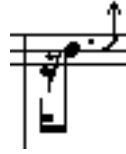
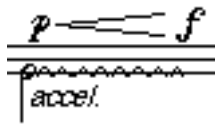


- 1 = Soft mallets
- 2 = Wirebrushes (metal)

Quick sliding (left <-> right)  
(in this case accel.)

One quick slide up

Normal Tremelo.



**Part II - b**

To be played normal as indicated.

**Part II - c MAX-ISPW**

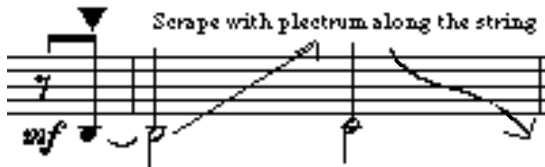
**MAX:**

Max will pitch-shift the sounds but the exact outcome will be decided by an ART2 neural network. Everything is event-driven and will be triggered by the player.

**The use of a plectrum (inside the piano).**

t = Use of a normal sized heavy (!) plectrum until ord. occurs.

Arrows and bows indicate the direction and velocity of scraping along the strings.

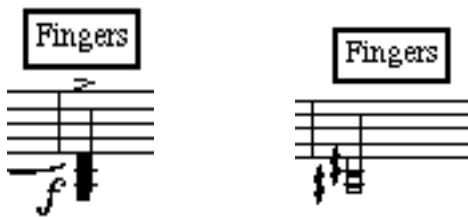


Very fast scraping in both directions along the string (in this case with a quick decrescendo).



**Use of finger clusters (inside the piano).**

Before touching the strings depress the keys silently.



**Use of stopping (damping) .**

Stop the strings by hand before playing .



**Silent depressing of the keys before playing.**

9 depress silently

Musical notation for a piano piece, measure 9. The notation consists of two staves. The upper staff is in bass clef and contains a half note G2, a half note F2, and a quarter rest. The lower staff is in bass clef and contains a half note G2, a half note F2, and a quarter rest. The dynamic marking *ff* is present at the beginning of the lower staff. The tempo marking *8<sup>th</sup>* is also present. The key signature is one flat (B-flat).

**The use of flageolets (inside the piano).**

Before the piece is played mark the strings with some chalk or a very thin thread for the exact finger position.



**List of all the flageolets used in II-c (all are written in the bass-clef)**

Bars: 8	11	11	12	15	18	19

**Part III - a**

To be played normal as indicated.

**Part III - b MAX-ISPW**

**MAX:**

Max will record and play-back the staccato played chords layered on top of each other (just as in the Part II-a) but the sound will also be positioned in space. This will result in micro-tonal shifts of the recorded material and movement of the sound in the audio-space. Everything is event-driven and will be triggered by the player.

**Pedal Subito = (P S) .**

Pedal Subito after the release of the (staccato) chord. The staccato sign is valid for both staves (= entire chord).

### **Part III - c**

Play the entire part as one movement (phrase) with the use of 1/2 pedal, with a slight increase near the end.

The dynamic should change gradually from *mp* to *fff* over the entire part (crescendo).

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# Speer & Schild

(Spear & Shield)

(Composition for Piano-solo and Next-ISPW)

♩ = 112-116

1

*ff*

*8va*

*8va*

*Red.* (P) (P) (P)

4

*mf* *ff*

(P)

7

*8va*

(P)

10

8va

8va

Musical score for measures 10-12. The system consists of two staves. The upper staff is in treble clef and the lower staff is in bass clef. The key signature has two flats. Measure 10 starts with a treble clef and a bass clef. The music features eighth and sixteenth notes with various articulations. Dynamic markings include *8va* and *8va* with dashed lines above the notes.

13

8va

8va

8va

(P)

(P)

8vb

Musical score for measures 13-15. The system consists of two staves. The upper staff is in treble clef and the lower staff is in bass clef. The key signature has two flats. Measure 13 starts with a treble clef and a bass clef. The music features eighth and sixteenth notes with various articulations. Dynamic markings include *8va*, *8va*, *8va* with dashed lines above the notes, and *(P)* below the notes. A *8vb* marking is present at the end of the system.

Energico

(8va)

16

Musical score for measures 16-18. The system consists of two staves. The upper staff is in treble clef and the lower staff is in bass clef. The key signature has two flats. Measure 16 starts with a treble clef and a bass clef. The music features eighth and sixteenth notes with various articulations. A dynamic marking of *(8va)* is present above the notes.

(8va)

19

V.S.

8vb

Musical score for measures 19-20. The system consists of two staves. The upper staff is in treble clef and the lower staff is in bass clef. The key signature has two flats. Measure 19 starts with a treble clef and a bass clef. The music features eighth and sixteenth notes with various articulations. A dynamic marking of *(8va)* is present above the notes. The system ends with *V.S.* and *8vb* markings.

A musical staff consisting of two staves. The top staff has a treble clef and a single note on the second line. The bottom staff has a bass clef and a single note on the second line. Both notes are represented by a small black square.



# I-b

♩=112-116      ♩=42 *Portato*

1

Piano

*f*

Red.

8vb  
(P)

Max

5

(P)

9

13

Musical notation for measures 13-16. The system consists of a grand staff with a treble clef on the upper staff and a bass clef on the lower staff. The key signature has one flat (B-flat). Measure 13: Treble clef has a quarter rest, a quarter note G4, a quarter rest, and a quarter note F4. Bass clef has a quarter note G2, a quarter note F2, a quarter note E2, and a quarter note D2. Measure 14: Treble clef has a quarter note G4, a quarter note F4, a quarter note E4, and a quarter note D4. Bass clef has a quarter note G2, a quarter note F2, a quarter note E2, and a quarter note D2. Measure 15: Treble clef has a quarter note G4, a quarter note F4, a quarter note E4, and a quarter note D4. Bass clef has a quarter note G2, a quarter note F2, a quarter note E2, and a quarter note D2. Measure 16: Treble clef has a quarter note G4, a quarter note F4, a quarter note E4, and a quarter note D4. Bass clef has a quarter note G2, a quarter note F2, a quarter note E2, and a quarter note D2.

17

Musical notation for measures 17-18. The system consists of a grand staff with a treble clef on the upper staff and a bass clef on the lower staff. The key signature has one flat (B-flat). Measure 17: Treble clef has a quarter note G4, a quarter note F4, a quarter note E4, and a quarter note D4. Bass clef has a quarter note G2, a quarter note F2, a quarter note E2, and a quarter note D2. Measure 18: Treble clef has a quarter note G4, a quarter note F4, a quarter note E4, and a quarter note D4. Bass clef has a quarter note G2, a quarter note F2, a quarter note E2, and a quarter note D2.

19

Musical notation for measure 19. The system consists of a grand staff with a treble clef on the upper staff and a bass clef on the lower staff. The key signature has one flat (B-flat). Measure 19: Treble clef has a quarter note G4, a quarter note F4, a quarter note E4, and a quarter note D4. Bass clef has a quarter note G2, a quarter note F2, a quarter note E2, and a quarter note D2.

# Part IIa

**Inside the piano**

♩ = 80

1

Piano

Max

Patch start

mf

pp

mf

(P)

4

mf

l.v.

pp

f

sfz

mf

pp

(P)

(P)

(P)

(P)

8

mf

pp

f

pp

fff

mf

(P)

(P)

(P)

mf

(P)

12

16

20

24

28

$\text{♩} = 120$   
use two sticks

The musical score consists of two staves. The top staff is for the snare drum, starting with a *mf* dynamic. A vertical dashed line indicates the beginning of the second measure, where the dynamic changes to *fff*. A wedge-shaped dynamic marking shows the sound decaying to *ppp* by the end of the second measure. The bottom staff is for the bass drum, with a 'l.v.' instruction above the first measure and a '(P)' instruction below the first measure. A small black square is placed on the staff line in the second measure. A vertical dashed line is also present in the second measure, aligned with the one in the snare staff. A wedge-shaped dynamic marking is shown at the end of the second measure.

# II-b

112-116

1

*mp*

*l.v.*

*Red.*

*8va*

4

7

*8va*

10

*bp*

13

16

Musical notation for measures 16-18. The system consists of two staves. The upper staff is in treble clef and the lower staff is in bass clef. Measure 16 shows a half note chord in the treble and a half note chord in the bass. Measure 17 features a quarter note melody in the treble and a half note chord in the bass. Measure 18 continues the melody in the treble with a half note chord in the bass.

19

Musical notation for measures 19-21. The system consists of two staves. Measure 19 shows a quarter note melody in the treble and a half note chord in the bass. Measure 20 features a quarter note melody in the treble and a half note chord in the bass. Measure 21 continues the melody in the treble with a half note chord in the bass.

22

Musical notation for measures 22-24. The system consists of two staves. Measure 22 shows a quarter note melody in the treble and a half note chord in the bass. Measure 23 features a quarter note melody in the treble and a half note chord in the bass. Measure 24 continues the melody in the treble with a half note chord in the bass. A piano (P) dynamic marking is present at the start of measure 22.

25

Musical notation for measures 25-27. The system consists of two staves. Measure 25 shows a quarter note melody in the treble and a half note chord in the bass. Measure 26 features a quarter note melody in the treble and a half note chord in the bass. Measure 27 continues the melody in the treble with a half note chord in the bass.

28

*Poco accel.* ----- ♩ = 126

Musical notation for measures 28-30. The system consists of two staves. Measure 28 shows a half note chord in the treble and a half note chord in the bass. Measure 29 features a half note chord in the treble and a half note chord in the bass. Measure 30 continues the chord in the treble and a half note chord in the bass. A piano (P) dynamic marking is present at the start of measure 28, and a forte (f) dynamic marking is present at the end of measure 30. An 8va marking is present at the end of measure 30.

# II-c

♩ = 60

Inside the Piano

Scrape with plectrum along the string

1

Piano

*mf*

Ped. (P) (P)

Max

5

*ff > pp*

ord. **Fingers** ord. **Fingers** touch string node ord. (°)

*ff* *mf* l.v. *f* *mp* *f* l.v. *ff*

(P)

(P)

Max

9 depress silently

*ff* *mf* *f* *mp* *p* *f*

(P)

*8va* (°) (°) (°) l.v. (°)

*8vb* (°) *8vb*

(P)

Max

13

Inside the Piano

ord. *8va* (°) (°) l.v. (°)

*mf* *f* *mp* *f* *p*

(P) (P) (P)

Inside the Piano

(P) (P) (P)

Max



17 ord. *8va* (°) (°)

*mp* *f* *mp* *f* *p*

(P)

21 stop string before playing **Fingers** ord.

*p* *p* *f* *p*

(P)

25 1.v.

*pp*

# III-a

♩ = 92

8va -----

1

Musical score for measures 1-3. The piece is in 4/4 time. Measure 1 starts with a treble clef and a dynamic marking of *f*. The right hand plays a series of eighth notes, while the left hand plays a bass line. Measure 2 features a triplet of eighth notes in the right hand. Measure 3 continues the melodic and harmonic development.

*f*

3

Red. -----

(8va) -----

8va -----

4

Musical score for measures 4-6. Measure 4 begins with a treble clef and a dynamic marking of *f*. The right hand has a triplet of eighth notes. Measure 5 includes a dynamic marking of *f* and a right-hand marking of (R.H.). Measure 6 features a triplet of eighth notes in the right hand. The left hand provides a steady bass accompaniment.

*f*

(R.H.)

3

3

(P) -----

7

Musical score for measures 7-9. Measure 7 starts with a treble clef and a dynamic marking of *f*. The right hand plays a melodic line with eighth notes. Measure 8 features a dynamic marking of *f*. Measure 9 continues the melodic and harmonic progression.

*f*

*f*

10

Musical score for measures 10-12. The system consists of two staves. The upper staff is in treble clef and the lower staff is in bass clef. Measure 10 features a triplet of eighth notes in the bass staff and a quarter note in the treble staff. Measure 11 features a triplet of eighth notes in the bass staff and a quarter note in the treble staff. Measure 12 features a quarter note in the bass staff and a quarter note in the treble staff. A dashed line labeled '8vb' is positioned below the bass staff, indicating an octave transposition.

13

Musical score for measures 13-15. The system consists of two staves. The upper staff is in bass clef and the lower staff is in bass clef. Measure 13 features a quarter note in the upper staff and a quarter note in the lower staff. Measure 14 features a quarter note in the upper staff and a quarter note in the lower staff. Measure 15 features a quarter note in the upper staff and a quarter note in the lower staff. A dashed line labeled '8vb' is positioned below the lower staff, indicating an octave transposition.

# III-b

♩ = 92

1

Piano

*mf* *sfz* *mp* *sfz* *mp*

*mf* *mp*

Red. Sub. (P S)

Max

4

*sfz* *mp* *sfz* *mf* *sfz*

*f* *mf*

(P S) (P S) (P S)

7

*mf* *sfz* *pp* *p* *mp*

*pp* *f* *p* *mp*

(P S) (P)

*Sva*

10

8va  
*p*  
*pp*  
*sfz*  
*mp*  
*pp*  
*sfz*  
*mp*  
 (P S) \_\_\_\_\_

13

(P) \_\_\_\_\_

16

8va  
*sfz*  
*mp*  
*ord.*  
*ord.*  
*sfz*  
*mp*  
 (P S) \_\_\_\_\_

19 *ord.* *8va*

*sfz* *mf* *sfz* *mf* (P S) (P)

22 *(8va)* *ord.* *8va* *ord.*

*sfz* *mp* *sfz* *mp* (P) (P) (P S) (P)

25

*sfz* *mp* *sfz* *mp* (P S) (P)

28 *ord.*

*sfz mp sfz mp*  
(PS)

31 *ord.*

*sfz mp sfz mp*  
(PS)

34 *ord.*

*sfz mp f (L.H.) mp*  
(PS) (P)

(8<sup>va</sup>) - 1  
*ord.*

37

V.S.



# III-c

♩ = 112 - 116

Poco a poco cresc.

8<sup>va</sup> -----

1

*mf*

1/2 *And.* ----->

(8<sup>va</sup>) -----

4

*mf*

7

*accel.* -----

*mf*

♩ = 132

10

*fff*

(1.v.)

Karlsruhe, Utrecht 7-6-1995

1/2 P) --- *And.* -----