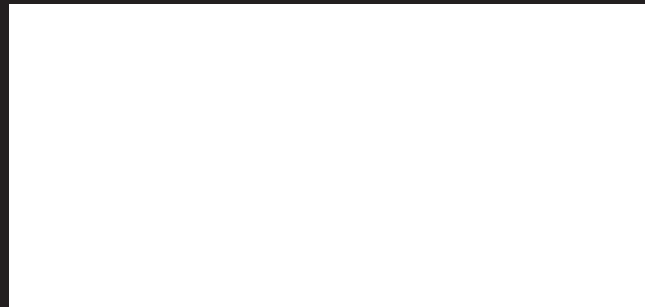


STUDIO 49



STUDIO 49

Orff-Schulwerk

Percussion Instruments for Kindergarten, School, Therapy, and Family

2006/07



STUDIO 49

The beginning of Studio 49 actually goes back much further than one might suspect from its founding year, 1949. In 1928 **Carl Orff**, who will always remain an inseparable part of the history of our company, received an African instrument from a friend from Kamerun, a "Kaffir-Piano". This was built from a small rectangular box and had twelve bars attached to the open side, tied together with string. Orff had found a model for his own work. Before the second World War, the first instruments built with his friend and harpsichord maker Karl Maendler, became indispensable for teaching at the



Güntherschule in Munich and for the development of Orff's Schulwerk.

In 1948 the Bavarian Broadcasting Company had aired several Schulwerk programs and started a deluge of questions about where to get these "Orff instruments". This is exactly what was missing, especially since Karl Maendler had retired from building instruments after the war. One of Orff's students introduced



Orff to Klaus Becker-Ehmck, a young student, who founded STUDIO 49 a few months later. Klaus Becker-Ehmck then built a lithophone entirely from the ideas and wishes of Carl Orff, as well as a cradle-shaped xylophone for the premier of Carl Orff's "Antigone".



Because of our experience making xylophones and other barred instruments, in 1961 it was possible to establish a manufacturing department for professional orchestral instruments such as vibraphones, marimbas, concert xylophones, and concert glockenspiels under the name ROYAL PERCUSSION.

Continuing development, skilled craftsmanship, high quality awareness, and the use of modern production technology have always been the foundation in the production of your instrument. Many skilled craftsmen have been employed by our company for many years, and are dedicated to the quality of our products. **It has always been our aim to build musical instruments of lifelong value,** with timbre and workmanship to satisfy the highest musical standards.

Since 1983 STUDIO 49, with markets around the world, has been led in the second generation by the founder's son, Bernd Becker-Ehmck. Close contacts to Orff-Schulwerk associations all over the world are today – nearly 60 years after the foundation – an important component for the permanent development of our instruments.



Founding company plaque from 1949

STUDIO 49



Suggestions for instrument groups specifically recommended for kindergarten, primary and secondary schools, therapy, and special needs are listed on our website

www.studio49.de



Barred Instruments

- ▶ **Series 500 *easycussion***
- ▶ **Series 1000 *Compact Line***
 - Xylophones
 - Metallophones
 - Bass resonator bars
- ▶ **Series 1600**
 - Glockenspiele
 - Xylophones
 - Metallophones
- ▶ **Series 2000**
 - Glockenspiele
 - Xylophones
 - Metallophones
 - Bowed psaltery
- ▶ **Resonator bars**
 - Soprano and alto resonator bars
 - Bass and contrabass resonator bars
- ▶ **Accessories for barred instruments**
 - Tables
 - Stands
 - Bar holders
 - Cases
- ▶ **Mallets for barred instruments**

Skin Instruments

- ▶ **Timpani**
 - Timpani
 - Rotary timpani
 - Kettle drums
 - Mallets for timpani
- ▶ **Drums & Co.**
- ▶ Djembes and Ashikos
- ▶ Accessories for Djembes and Ashikos
- ▶ Djembe-Bongo-Cajon
- ▶ Cajons
- ▶ Additional drums
- ▶ Tambours
- ▶ Tambourines
- ▶ Congas, Bongos

Hand Percussion

- ▶ Temple blocks
- Wood blocks
- Concert Triangles
- Cowbells
- Stands
- Holders for stands
- Accessory tables

Hand Percussion

- ▶ Hanging cymbals
- Cymbals
- Cabasas
- Metal shakers
- Triangles
- ▶ Castanets
- Sleigh bell sprays, bell sprays
- Sleigh bell wristlets
- ▶ Claves
- Woodblocks
- Tubular woodblocks
- Agogo bells
- ▶ Guiros, guiro shakers
- Wooden agogos
- Vibra Slaps
- Rhythmic ties
- Maracas
- Shakers
- Caxixi
- ▶ Jingle matrix
- The multi-sound tambourine
- Mallets for hand percussion
- ▶ **Important hints**
 - Maintenance of instruments
 - Hints for literature
 - Workshops
 - Orff-Schulwerk institutions

Barred Instruments

The sound quality your instrument produces is highly dependent also on the mallet you choose. For the barred instruments of the

Series 500
Series 1000
Series 1600
Series 2000

mallets with specific attributes, such as size and hardness of the head, length and flexibility of the handle, are required. To help you choose the mallet that creates the best sound for your instrument, STUDIO 49 now includes a mallet guide with each new instrument.



easyCussion

Barred instruments in alto range with c-pentatonic scale.

- Pentatonic scale allows harmonic sound no matter which tones are played in which order
- Highly appropriate for musical accompaniment as well as playing simple melodies
- Notation in c-d-e-g-a-c and do-re-mi-sol-la-do on each instrument
- Compact construction allows the instrument to be played either on your lap or table
- Easy-to-play wide bars
- Attached bars and mallets

- Bars made of bright rosewood, aluminium, or special steel
- Resonance box made of solid pine
- Compact design with integrated handles
- Fabric-coated bar seating for lasting durability
- Simple storage in standing position



Alto xylophone **AX 500**

6 Bars (36 x 16 mm)
includes 2 mallets PKS 4
measures 38 x 34 x 11 cm

Alto metallophone **AM 500**

6 Bars (35 x 6 mm)
includes 2 mallets PKS 1
measures 38 x 34 x 10 cm

Alto glockenspiel **AG 500**

6 Bars (25 x 3 mm)
includes 2 mallets PKS 2
measures 26 x 19 x 6 cm

AX 500



AM 500



AG 500



Compact Line

Harmonic tone in a compact style

These instruments offer the ideal prerequisites for music education in nursery schools, kindergarten and preschools, or for home use. The compact style makes transportation easy and saves storage space. These qualities make these instruments especially appropriate for school settings. To ensure balanced sound quality, three resonance chambers are built in the soprano range and six in the alto. In addition, the unique design allows the instruments to be played on tables from a sitting or standing position.

- Bars made of bright Rosewood or aluminium
- Includes $f\#$ and b^b bars
- Patented resonance box made of solid pine
- Multiple resonance chambers for harmonic sound quality
- Compact style with integrated handles
- Fabric-coated bar seating for lasting durability

H-AX 1000



SM 1000



AX 1000



H-SM 1000

Soprano xylophone, c2 – a3
16 Bars 32 x 18 mm, 2 mallets CS 5

SX 1000

Chromatic resonance box
with c#2, d#2, g#2, c#3, d#3, g#3

H-SX 1000

Alto xylophone, c1 – a2
16 Bars 32 x 18 mm, 2 mallets CS 44

AX 1000

Chromatic resonance box
with c#1, d#1, g#1, c#2, d#2, g#2

H-AX 1000

Soprano metallophone, c2 – a3
16 Bars 30 x 6 mm, 2 mallets CS 55

SM 1000

Chromatic resonance box
with c#2, d#2, g#2, c#3, d#3, g#3

H-SM 1000

Alto metallophone, c1 – a2
16 Bars 30 x 6 mm, 2 mallets CS 7

AM 1000

Chromatic resonance box
with c#1, d#1, g#1, c#2, d#2, g#2

H-AM 1000



Bass resonator bars

Overtone-tuned resonator bars with bars made of bright Rosewood. Tuned single resonator bars in best wood quality.

Individual bars no 1 – 13

Bars made of bright
Rosewood, harmonically tuned

KB/CBX

Recommended mallets

S 33

Tone	c	c#	d	d#	e	f	f#	g	g#	a	b ^b	b ^{c1}	
No.	1	2	3	4	5	6	7	8	9	10	11	12	13

1600
1600

The sonorous entry model for the price conscious offers all possibilities of later expansion. From the soprano to the bass range, in single and double-row (chromatic) models. For professional music lessons, these instruments fulfill every need. High quality bars combined with complex resonance chambers in the alto and bass ranges always produce ample volume and rich, strong sound. The instruments in the bass range are extremely compact. Compared to conventional instruments, the bass resonance box size is drastically reduced (patented design). All xylophones and metallophones in the Series 1600 have a particularly stable resonance box made of 12 mm varnished pine, as well as handles for simple transportation. The handles also serve as supports for the mobile instrument stands.

You will find stands and tables for barred instruments under Accessories.

Glockenspiels

- Bars made of special steel
- Includes f# and b^b bars
- Resonance box made of solid beech
- Multiple resonance chambers for rich sound quality
- Fabric-coated bar seating for lasting durability

Soprano glockenspiel, c3 – f4

13 bars 20 x 2 mm, 2 mallets GS

GSD

Soprano glockenspiel, chromatic c3 – f4

18 bars 20 x 2 mm, 2 mallets GS

GSc

Alto glockenspiel, c2 – a3

16 bars 20 x 2 mm, 2 mallets PKS 3

GAd

Chromatic resonance box

with c#2, d#2, g#2, c#3, d#3, g#3

H-GA

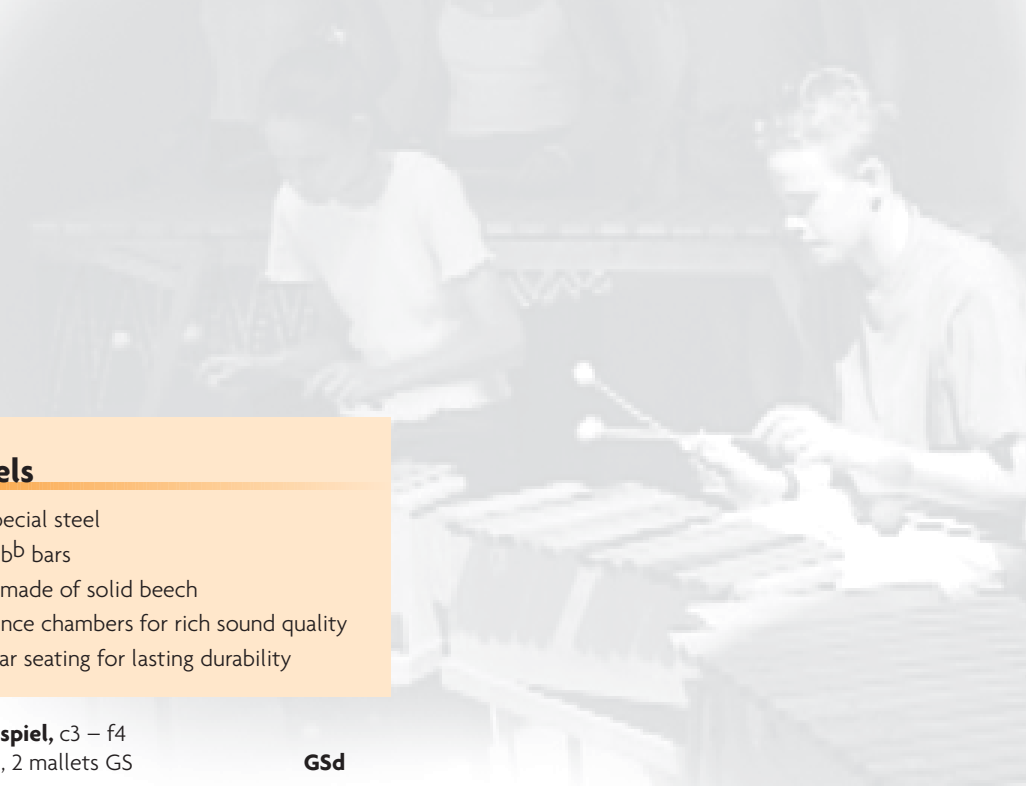
Bell Tower, c2 – a3

16 bars 20 x 2 mm, 2 mallets PKS 3

GT

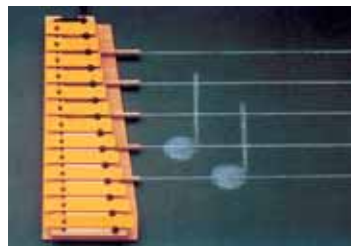


The STUDIO 49 bar seating prevents the bars from falling out.





GT



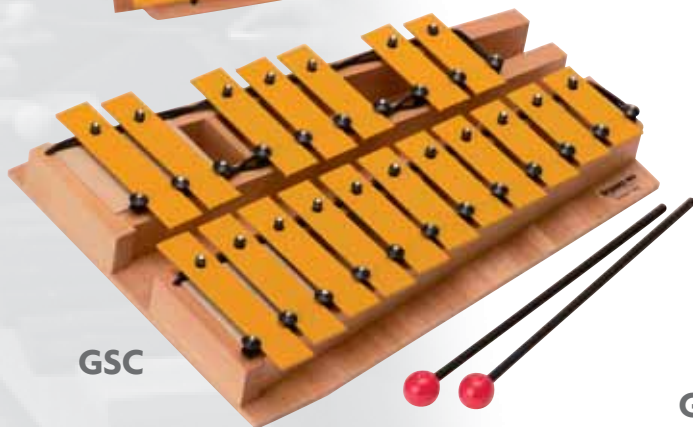
The bell tower is an excellent tool for teaching musical notation.



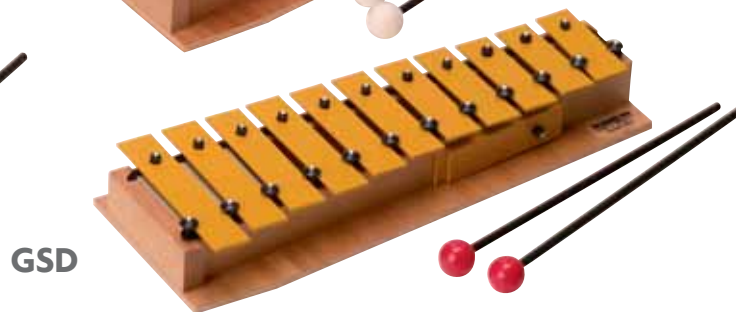
H-GA



GAD



GSC



GSD

Xylophones and Metallophones

- Bars made of bright Rosewood or aluminium
- Includes $f\#$ and b^b bars
- Flexible pins
- Resonance box made of 12 mm solid pine
- Multiple resonance chambers for a rich sound quality
- Handles for easy transportation
- Fabric-coated bar seating for lasting durability
- Compact style in the basses for easy transportation and storage

Xylophones

Soprano xylophone, $c2 - a3$
16 bars 32 x 18 mm, 2 mallets S 5 **SX 1600**

Chromatic resonance box
with $c\#2, d\#2, g\#2, c\#3, d\#3, g\#3$ **H-SX 1600**

Alto xylophone, $c1 - a2$
16 bars 32 x 18 mm, 2 mallets S 4 **AX 1600**

Chromatic resonance box
with $c\#1, d\#1, g\#1, c\#2, d\#2, g\#2$ **H-AX 1600**

Bass xylophone, $c - a1$
with harmonic overtone tuning
16 bars, 2 mallets S 33
(6 bars 36 x 20 mm, 10 bars 32 x 18 mm) **BX 1600**

Chromatic resonance box
with $c\#, d\#, g\#, c\#1, d\#1, g\#1$ **H-BX 1600**

BM 1600



H-AX 1600

AX 1600

H-SM 1600



BX 1600

SM 1600



BX 1600

Series 1600 bass size (patented design) compared to traditional models.

Metallophones

Soprano metallophone, c2 – a3

16 bars 30 x 6 mm, 2 mallets S 4

SM 1600

Chromatic resonance box

with c#2, d#2, g#2, c#3, d#3, g#3

H-SM 1600

Alto metallophone, c1 – a2

16 bars 30 x 6 mm, 2 mallets S 7

AM 1600

Chromatic resonance box

with c#1, d#1, g#1, c#2, d#2, g#2

H-AM 1600

Bass metallophone, c – a1

with harmonic overtone tuning

16 bars 30 x 6 mm, 2 mallets S 33

(6 bars 36 x 10 mm, 10 bars 32 x 8 mm)

BM 1600

Chromatic resonance box

with c#, d#, g#, c#1, d#1, g#1

H-BM 1600

2000 2000

The instruments of the premium **Series 2000** satisfy the highest musical standards and are excellent for use in music and grade schools. All instruments, with exception of the glockenspiels, have resonance boxes of solid wood and handles for easy transportation. The handles also serve as supports for the stands. Adjusting the instruments on the stands is easy with the turn of a screw, for a quick change of instruments and uninterrupted instruction. For maximum volume, the alto and bass instruments include several proportioned resonance chambers and sound-reinforcing lips on the dividers. Only hand-selected and expertly cured Jacaranda **Rosewood** is used in the legendary Series 2000.



As an alternative to Jacaranda Rosewood bars, *Grillodur* bars, made of a highly refined fiberglass material, are available, which hold the pitch through strong changes of temperature and humidity. *Grillodur* bars have outstanding sound and are appropriate for making music in outdoor settings.

The Series 2000 Metallophone bars consist of special profiled, high-quality **aluminum**. This contributes to the exceptionally balanced and warm sound.

Series 2000 Glockenspiel bars have special alloyed and processed steel that creates clear, powerful, sustaining sound. The STUDIO 49 bar seating prevents the interchangeable bars from falling out.

You will find stands and tables for barred instruments under Accessories.

Glockenspiels

Highest quality sound and craftsmanship

- Interchangeable nickel-plated bars made from special steel
- Includes $f\#$ and $b\flat$ bars
- Resonance box of solid pine
- Resonator chambers in alto range for brilliant and rich sound

AGc

Soprano glockenspiel, $c3 - a4$
16 bars 20 x 3 mm, 2 mallets S 1

SGd

Chromatic resonance box
with $c\#3$, $d\#3$, $g\#3$, $c\#4$, $d\#4$, $g\#4$

H-SG

Alto glockenspiel, $c2 - a3$
16 bars 20 x 3 mm, 2 mallets S 2

AGd

Chromatic resonance box
with $c\#2$, $d\#2$, $g\#2$, $c\#3$, $d\#3$, $g\#3$

H-AG

Note: When ordering SGc or AGc, the diatonic resonance box is connected to the chromatic add-on.

Soprano glockenspiel, chromatic $c3 - a4$
22 bars 20 x 3 mm, 2 mallets S 1

SGc

Alto glockenspiel, chromatic $c2 - a3$
22 bars 20 x 3 mm mallets S 2

AGc

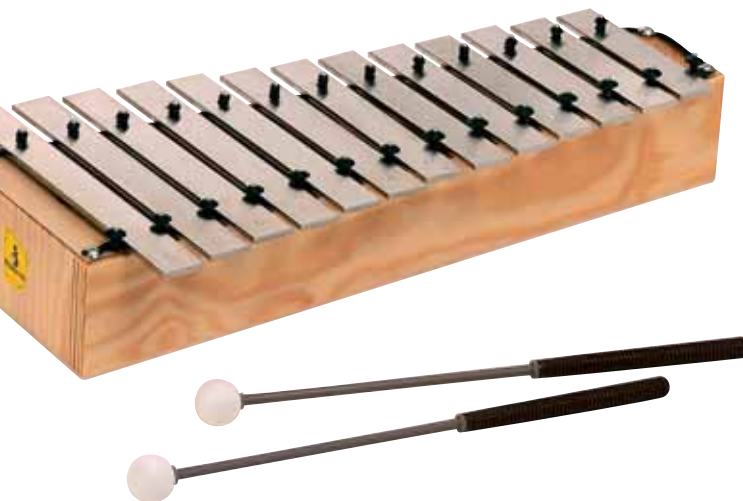
SGd



H-SG



AGd



KGS



Orchestra Bells

The ideal traveling instrument with a professional range of $2\frac{1}{2}$ octaves, from g2 – c5. The bars are made of a special steel alloy 30 x 8 mm and have a clear, pure character. Includes one pair of mallets S 26.

KGS, g2 – c5
bars 30 x 8 mm,
includes 2 mallets S 26
measures 82 x 43 x 9 cm

Note:
Additional models of Orchestra Bells are shown in our ROYAL PERCUSSION catalog.

Serie 2000 *Series 2000*

H-BXG 2000

BX 2000

Flexible pins

Integrated handles

Multiple resonance chambers for high sound quality

H-AX 2000

H-SXG 2000

AX 2000

SXG 2000





Xylophones with Rosewood or *GrilloDur* bars

- Includes f[#] and b^b bars
- Harmonious overtone tuning in alto and bass ranges
- Flexible pins
- Resonance box made of 12 mm solid pine
- Multiple resonance chambers for excellent sound quality
- Attached handles for carrying ease
- Fabric-coated bar seating for lasting durability

Bars made of *GrilloDur*, a highly refined fiberglass material, offers the advantage of extremely high-impact strength as well as resistance against any changes in humidity. This guarantees consistent, permanent pitch in areas with changing climates. Instruments with *GrilloDur* bars are an excellent choice for making music in outdoor settings.

Bowed Psaltery

Quality craftsmanship, solid maple back and sides, fine spruce top. Includes bow, rosin, and tuning key for precise tuning. Instructions for playing, use, and maintenance are included with each instrument.



Alto bowed psaltery

chromatic, 25 strings f1 – g3

Bag for alto psaltery

ASp
T-ASp

Xylophones with Rosewood bars

Soprano xylophone, c2 – a3

16 bars 32 x 18 mm, 2 mallets S 5

SX 2000

Chromatic resonance box

with c#2, d#2, g#2, c#3, d#3, g#3

H-SX 2000

Alto xylophone, c1 – a2

with harmonic overtone tuning

16 bars 32 x 18 mm, 2 mallets S 40

AX 2000

Chromatic resonance box

with c#1, d#1, g#1, c#2, d#2, g#2

H-AX 2000

Bass xylophone, c – a1

with harmonic overtone tuning

16 bars 45 x 20 mm, 2 mallets S 3

BX 2000

Chromatic resonance box

with c#, d#, g#, c#1, d#1, g#1

H-BX 2000

Xylophones with *GrilloDur* bars

Soprano xylophone, c2 – a3

16 bars 32 x 14 mm, 2 mallets S 50

SXG 2000

Chromatic resonance box

with c#2, d#2, g#2, c#3, d#3, g#3

H-SXG 2000

Alto xylophone, c1 – a2

with harmonic overtone tuning

16 bars 32 x 14 mm, 2 mallets S 40

AXG 2000

Chromatic resonance box

with c#1, d#1, g#1, c#2, d#2, g#2

H-AXG 2000

Bass xylophone, c – a1

with harmonic overtone tuning

16 bars 45 x 17 mm, 2 mallets S 3

BXG 2000

Chromatic resonance box

with c#, d#, g#, c#1, d#1, g#1

H-BXG 2000

Metallophones

- High quality, profiled aluminium bars
- Includes f# and b^b bars
- Harmonious overtone-tuning in alto and bass ranges
- Flexible pins
- Resonance box made of 12 mm solid pine
- Multiple resonance chambers for excellent sound quality
- Attached handles for carrying ease
- Fabric-coated bar seating for lasting durability

H-BM 2000

BM 2000

H-AM 2000

AM 2000

SM 2000

H-SM 2000

AM 2000

H-AM 2000

SM 2000

BM 2000

H-BM 2000

Soprano metallophone, c₂ – a₃
16 bars 32 x 8 mm, 2 mallets S 50

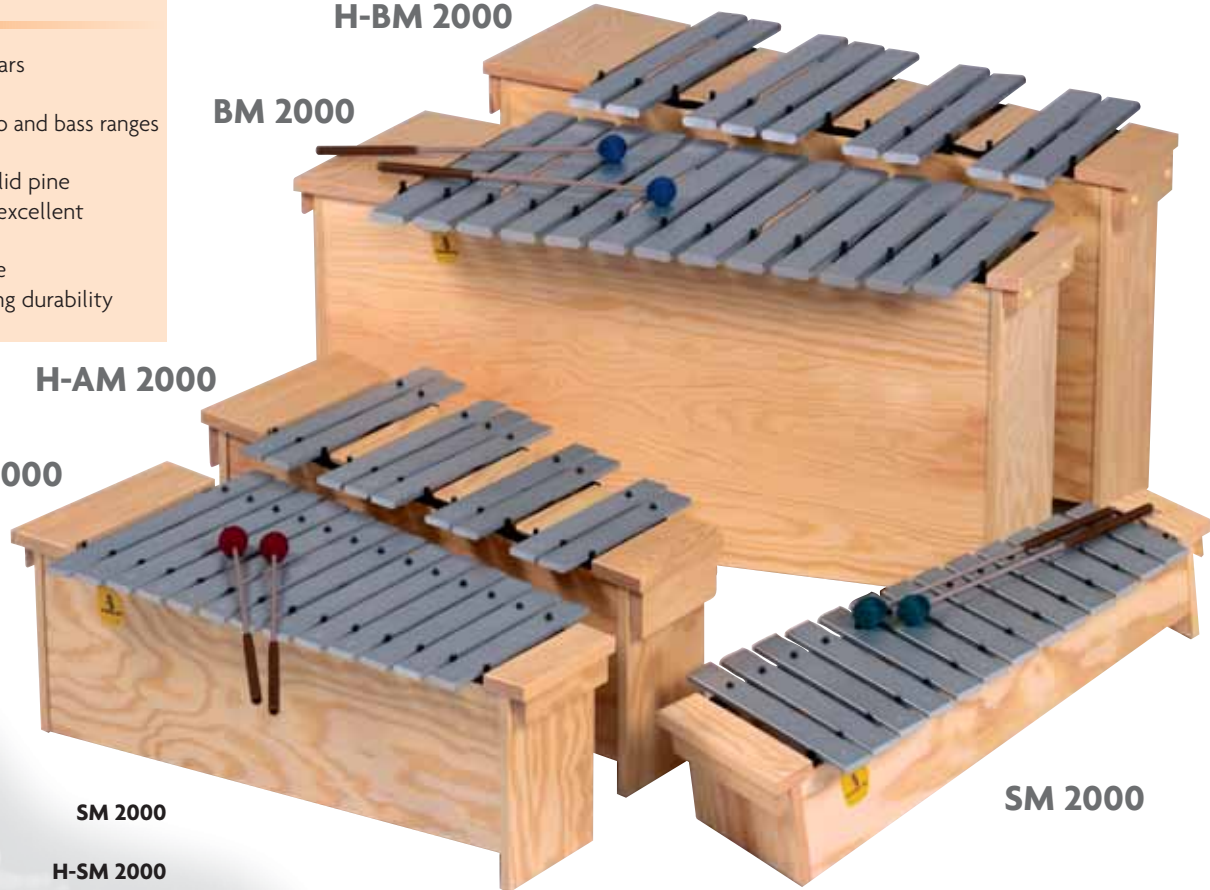
Chromatic resonance box
with c#₂, d#₂, g#₂, c#₃, d#₃, g#₃

Alto metallophone, c₁ – a₂
with harmonic overtone tuning
16 bars 32 x 8 mm, 2 mallets S 7

Chromatic resonance box
with c#₁, d#₁, g#₁, c#₂, d#₂, g#₂

Bass metallophone, c – a₁
with harmonic overtone tuning
16 bars 45 x 12 mm, 2 mallets S 3

Chromatic resonance box
with c#, d#, g#, c#₁, d#₁, g#₁



Accessories for mallet percussion

Table, made of pine, about 69 x 30 cm table height, adjustable from 46 – 76 cm

Stand, adjustable height about 50 – 80 cm for *diatonic* xylophones and metallophones in soprano and alto range

Mobile stand, adjustable height about 55 – 85 cm smooth movement with rubber-coated wheels for all *diatonic* xylophones and metallophones

Mobile stand, adjustable height about 55 – 85 cm smooth movement with rubber-coated wheels for all *chromatic* xylophones and metallophones

Bar holder for storage of extra bars and mallets. Simple design, easy-to-attach screws.

for bass instruments

Ko/B



for soprano or alto instruments

Ko/SA

Wooden case made of high-quality pine for glockenspiel models SGd or AGd measures 40 x 22 x 9 cm

K 1

Wooden case made of high-quality pine for glockenspiel models SGc or SGd + H-SG as well as model AGc or AGd + H-AG measures 40 x 38 x 10 cm

K 3

ST



ST

SD



SD

FSD

FSC

FSD



FSC





RESONATOR BARS

STUDIO 49 resonator bars are well-suited for a variety of uses and offer limitless possibilities in any setting. They are widely used for music education in kindergarten, elementary, primary, and special-needs schools, as well as pedagogical settings, institutions, and in music therapy. Choose from Rosewood and *Grillodur* bars from soprano to bass range. *Grillodur* is a reliable high-quality synthetic material which has the tonal characteristics of a xylophone bar. This offers additional technical advantages, such as tone stability and humidity resistance, thus guaranteeing constant pitch in changing climates. Instruments with *Grillodur* bars are also well suited for outdoor play.

Individual Resonator Bells

with note names

- Tuned tone chambers made of impact-resistant plastic material
- Practical shape
- Aluminium bars 30 x 4 mm
- Chromatic range c1 – a3
- Includes mallet PKS 1, 2 or 3

Individual resonator bells

KBN No. 1 – 12 including mallet PKS 1

KBN No. 13 – 24 including mallet PKS 2

KBN No. 25 – 34 including mallet PKS 3

Individual resonator bell sets, diatonic

includes f# and b^b bars

and 1 mallet for each bar

tonal range c2 – a3, 16 bars

c1 – c3, 19 bars

KBN 1 d

KBN 3 d

Individual resonator bell sets, chromatic

includes 1 mallet for each bar

tonal range c2 – a3, 22 bars

c1 – c3, 25 bars

KBN 1 c

KBN 3 c

Case for resonator bells

for Set KBN 1 d or KBN 1 c

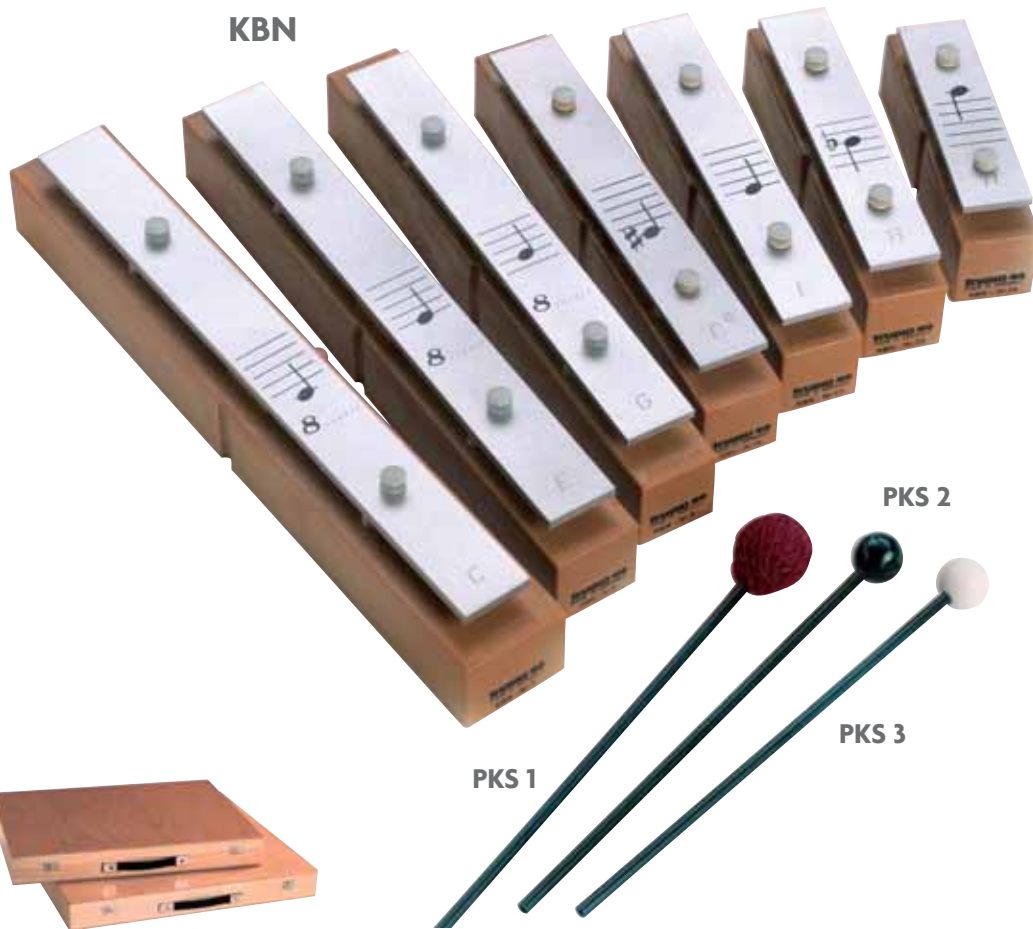
measures 56 x 42 x 7 cm

BK 1

for Set KBN 3 d or KBN 3 c

measures 58 x 56 x 6,5 cm

BK 3



Tone c1 c#1 d1 d#1 e1 f1 f#1 g1 g#1 a1 bb1 b1 c2 c#2 d2 d#2 e2 f2 f#2 g2 g#2 a2 bb2 b2 c3 c#3 d3 d#3 e3 f3 f#3 g3 g#3 a3

No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

Note: All resonator bells sound an octave higher than shown here!

Alto and Soprano Resonator Bars

- Tuned resonance chambers in best maple
- Practical shape
- Harmonious overtone tuning

Individual bars no. 1 – 12 with
Jacaranda Rosewood bars 32 x 18 mm
Grillodur bars 32 x 14 mm

KB/AX
KB/AXG

Recommended mallet

S 40

Tone c1 c#1 d1 d#1 e1 f1 f#1 g1 g#1 a1 bb1 b1
No. 1 2 3 4 5 6 7 8 9 10 11 12

KB/AXG



Individual bars no. 13 – 22 with
Jacaranda Rosewood bars 32 x 18 mm
Grillodur bars 32 x 14 mm

KB/SX
KB/SXG

Recommended mallet

S 50

Tone c2 c#2 d2 d#2 e2 f2 f#2 g2 g#2 a2
No. 13 14 15 16 17 18 19 20 21 22

Case

for resonator bars
each holds one chromatic octave
measures 60 x 45 x 12 cm

BK 13

KB/AX



S 40