

STUDIO 49



Orff
Schulwerk
Percussion Instruments
for Kindergarten,
School, Therapy,
and Family



 MADE IN GERMANY

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 ten 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 – over 70 years after the foundation – an important component for the permanent development of our instruments.

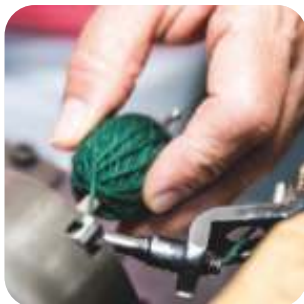


STUDIO 49 also started out in a garage



Nobody expected such a rapid spreading out of Orff Schulwerk

From our production



Your instruments are made in Germany. Life long quality requires skilled and experienced craftsmanship.

All barred and skin instruments as well as most of our hand percussion instruments are exclusively produced in Germany.



STUDIO 49

Your source for lifelong quality and sound

Rising to the challenges and demands of the highest quality craftsmanship has been the hallmark of STUDIO 49 for over 70 years. Our aim is to provide you with perfect and permanent tuning, as well as unparalleled durability.

Therefore, we offer repair service that will enable you to recondition your instrument, even after many years of intensive use.

You can find all spare parts **from 1949** models onwards listed on our website.



Repair information system (RIS)

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

www.studio49.de/Sets of instruments





Sets of instruments



Barred Instruments

- **Serie 500 easycussion** 8-9
- **Serie 1000 Compact Line** 10-13
 - Xylophones
 - Metallophones
- **Serie 1600** 14-17
 - Glockenspiels
 - Xylophones
 - Metallophones
- **Serie 2000** 18-22
 - Glockenspiels
 - Xylophones
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- **Zubehör für Stabspiele** 23
 - Tables
 - Stands
 - Bar holders
 - Cases
- **Serie 2500** 24
- **Resonator bars** 25-29
 - Soprano and alto resonator bells
 - Soprano and alto resonator bars
 - Bass and contrabass resonator bars
- **Mallets for barred instruments** 30-32

Skin Instruments

- **Timpani** 33-35
 - Timpani
 - Rotary timpani
 - Kettle drums
 - **Mallets** for timpani
- **Drums & Co.** 36-38
 - Djembes
 - Log Drums
 - Cajons
 - further drums and bongos
- **Tambours** 39
 - Tambourines
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 - Psaltery

Hand Percussion

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

Hand Percussion

44-49

- Hanging cymbals
 - Cymbals
 - Cabasas
- Castanets
 - Sleigh bell sprays, bell sprays
 - Sleigh bell wristlets
- Claves
 - Woodblocks
 - Tubular woodblocks
 - Agogo bells
- Guiros, guiro shakers
 - Wooden agogos
 - Vibra-Slaps
 - Maracas
 - Shakers
 - Caxixi
- Jingle matrix –
 - The multi-sound tambourine

● Important hints

50-51

- Maintenance of instruments
- Workshops
- Orff-Schulwerk institutions

Barred Instruments

The sound quality your instrument produces is highly dependent 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

The barred instrument series in alto range with c-pentatonic scale.

- Ideal for the first steps in music for young and old
 - 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-misol- 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, aluminum, or special steel
 - Resonance box made of solid birch
 - Compact design with integrated handles
 - Fabric-coated bar seating for lasting durability
 - Simple storage in standing position

Penta soprano recorder (g-a-c-d-e)

- Ideal complement for series 500 easycussion
- Minimized distance between holes makes it easy for children to grip
- Easy transition to full-sized recorder
- 100 % sycamore maple
- Includes cloth bag, cleaning bar and fingering chart



Penta C „easyflute“

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



Bags for series 500

for glockenspiel **T-AG 500**
for xylophone/metallophone **T-AXM 500**



AX 500

AX 500



AG 500



AM 500

Series 500

easydiscussion
made by STUDIO 40

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.

The new innovative construction of the bass instruments produces rich sound and strong volume while being compact in size and easy to carry with a weight of approx. 8 kg.

- Bars made of bright Rosewood or aluminum
- Includes f# and b^b bars
- Patented resonance box made of solid birch
- Multiple resonance chambers for harmonic sound quality
- Compact style with integrated handles
- Fabric-coated bar seating for lasting durability
- Carrying bags for soprano and alto instruments



BM 1000

BX 1000

SM 1000



BM 1000



AX 1000



H-AX 1000

AX 1000

H-SM 1000

Xylophones

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

Bass xylophone, c – a1

with harmonic overtone tuning

16 bars, 2 mallets CS 7

(6 bars 36 x 20 mm, 10 bars 32 x 18 mm)

BX 1000

Chromatic resonance box

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

H-BX 1000

Metallophones

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 metallophone, c – a1

with harmonic overtone tuning

16 bars, 2 mallets CS 7

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

BM 1000

Chromatic resonance box

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

H-BM 1000

Note: For bags look at page 13

H-BXG 1000

BXG 1000



printed notation

SXG 1000



H-AXG 1000



AXG 1000



AXG 1000



Xylophones – Series 1000 with indestructible bars

- Sound bars made of indestructible "wood" with sound characteristics very close to xylophones and the advantage of constant pitch over its lifetime even in strongly changing climates
- Notation in „c-d-e“ and „do-re-mi“ on each bar
- Resonance boxes made of 12 mm solid birch with multiple resonance chambers for rich volume and harmonic sound
- Compact design with integrated handles
- Fabric-coated bar seating for lasting durability
- All instruments include f# and b^b bars
- Carrying bags for soprano and alto instruments
- Volume rich sounding bass instruments in compact design with a total weight of 7,8 Kg for easier transportation

Soprano xylophone, c2 – a3

16 bars 32 x 10 mm, 2 mallets CS 55

SXG 1000

Chromatic resonance box

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

H-SXG 1000

Alto xylophone, c1 – a2

16 bars 32 x 10 mm, 2 mallets CS 44

AXG 1000

Chromatic resonance box

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

H-AXG 1000

Bass xylophone, c – a1

with harmonic overtone tuning

16 bars, 32 x 14 mm, 2 mallets CS 7

BXG 1000

Chromatic resonance box

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

H-BXG 1000

Bags for Series 1000

- Made of sturdy textile-tissue with reinforced upper and lower side
- With padded grip, wide and adjustable carrying strap, comes with additional pocket



Soprano: full tone **T-SXM 1000**
semitone **T-HSXM 1000**

Alto: full tone **T-AXM 1000**
semitone **T-HAXM 1000**

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 (patented design) are extremely compact, space saving and easy to carry with a weight of approx. 8,5 kg. 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 on page 23.



Glockenspiels

- Bars made of special steel
- Includes f[#] and b^b bars
- Resonance box made of solid beech
- Rich sound quality in the lower range
- 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.

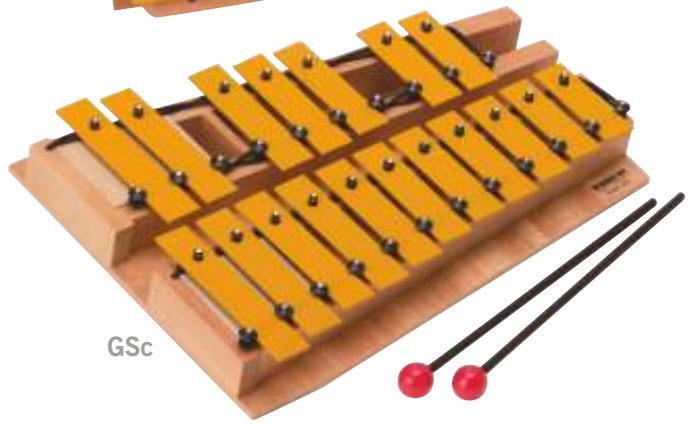


GAd

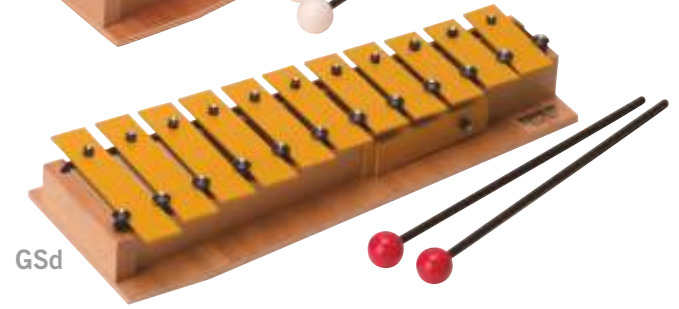


H-GA

GAd



GSc



GSd

Xylophones and Metallophones

- Bars made of bright Rosewood or aluminum
- 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



AX 1600



BX 1600

SM 1600



SM 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 55 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, 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

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 soundreinforcing lips on the dividers.



Only hand-selected and expertly cured **Premium Rosewood** is used in the legendary Series 2000.



As an alternative to 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 on page 23.

Glockenspiels

Highest quality sound and craftsmanship

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

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.

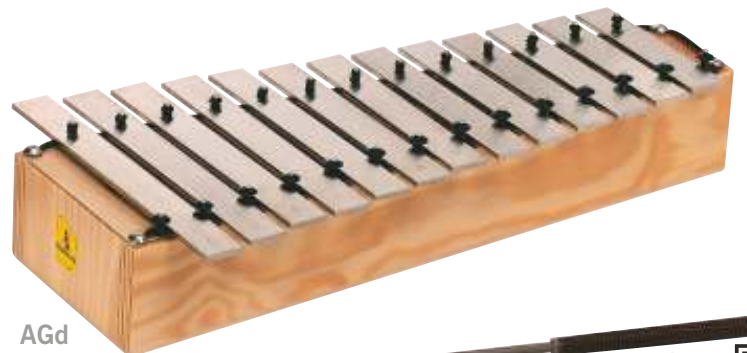
Soprano glockenspiel, chromatic c3 – a4
22 bars 20 x 3 mm, 2 mallets S 1 **SGc**

Alto glockenspiel, chromatic c2 – a3
22 bars 20 x 3 mm mallets S 2 **AGc**

AGc

H-SG

SGd



AGd

Bags for glockenspiels Series 2000

- Made of study textile-tissue with reinforced upper and lower side
- With padded grip



T-AGd

Instrument	Bag
AGd	T-AGd
SGd	T-SGd
AGc	T-AGc
SGc	T-SGc



AGd

H-BXG 2000

BX 2000



BX 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 even in areas with strongly changing climates. Instruments with GRILLODUR bars are an excellent choice for making music in outdoor settings.

Multiple resonance chambers for high sound quality



Integrated handles



Flexible pins



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 4 **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 aluminum 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



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

SM 2000

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

H-SM 2000

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

AM 2000

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

H-AM 2000

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

BM 2000

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

H-BM 2000



SM 2000

Accessories for mallet percussion

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

ST

Stand, adjustable height about 50 – 80 cm with useful support for mallets, suitable for diatonic xylophones and metallophones of Series 1000, 1600 und 2000

SD

Mobile stand, adjustable height about 55 – 85 cm with useful support for mallets, smooth movement with rubber-coated wheels, two of which with arresting device, suitable for all **diatonic** xylophones and metallophones of Series 1000, 1600 and 2000

FSD

all **chromatic** xylophones and metallophones of Series 1000, 1600 and 2000

FSC

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 model

SGd or AGd

measures 40 x 22 x 9 cm

K1

SGc or SGd + H-SG or AGc respect. AGd + H-AG, measures 40 x 38 x 10 cm

K3



All stands with support for mallets

Semi-professional Line

- Concert percussion for institutions with a raised musical standard
- Professional start with tone f in the low octave
- Resonance-chamber system in the low octave for a volume rich sound
- Xylophone with S-curved base
- Glockenspiel bars with only one drilling for improved sound
- High solid resonance-frames in beech wood



Stand **GP/ST** equipped with four additional antislid elements for safe fixing of the instrument.



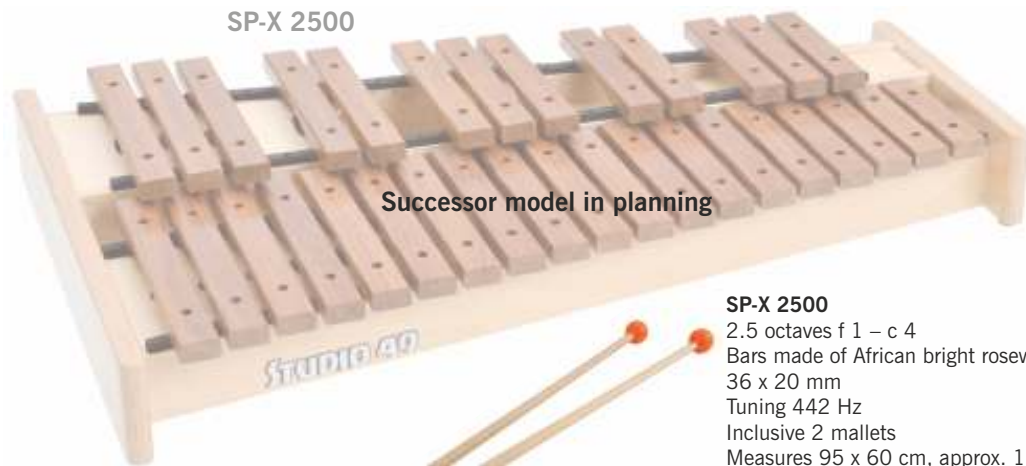
Orchestra Bells

The ideal traveling instrument with a professional range of 2.5 octaves, from g2 – c5. The bars are made of a special steel alloy 30 x 8 mm producing a bright and clear timbre. The semitone bars can be arranged by the player either raised or level.



KGS, g2 – c5
bars 30 x 8 mm,
includes 2 mallets 026
measures 82 x 43 x 9 cm

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



SP-X 2500

Successor model in planning

SP-X 2500
2.5 octaves f 1 – c 4
Bars made of African bright rosewood,
36 x 20 mm
Tuning 442 Hz
Inclusive 2 mallets
Measures 95 x 60 cm, approx. 12 Kg



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
- Aluminum 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 1d

KBN 3d

Individual resonator bell sets, chromatic

includes 1 mallet for each bar

tonal range c2 – a3, 22 bars

c1 – c3, 25 bars

KBN 1c

KBN 3c

Case for resonator bells

for Set **KBN 1d** or **KBN 1c**

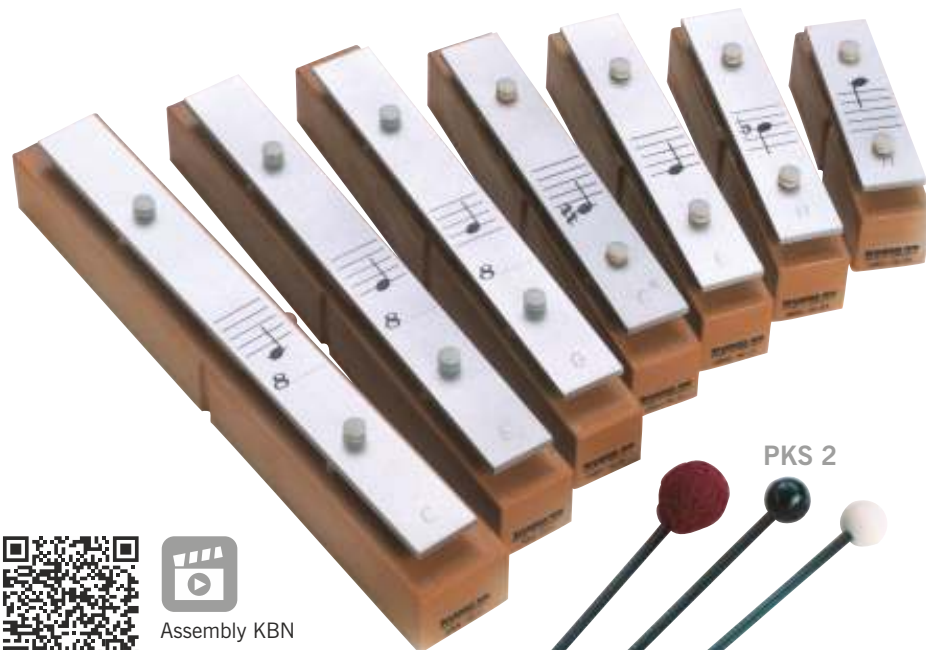
measures: ca. 56 x 42 x 7 cm

BK 1

for Set **KBN 3d** oder **KBN 3c**

measures: ca. 58 x 56 x 7 cm

BK 3



Assembly KBN



PKS 1

PKS 2

PKS 3

Tone	c ¹	c ^{#1}	d ¹	d ^{#1}	e ¹	f ¹	f ^{#1}	g ¹	g ^{#1}	a ¹	b ¹	h ¹	c ²	c ^{#2}	d ²	d ^{#2}	e ²	f ²	f ^{#2}	g ²	g ^{#2}	a ²	b ²	h ²	c ³	c ^{#3}	d ³	d ^{#3}	e ³	f ³	f ^{#3}	g ³	g ^{#3}	a ³
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

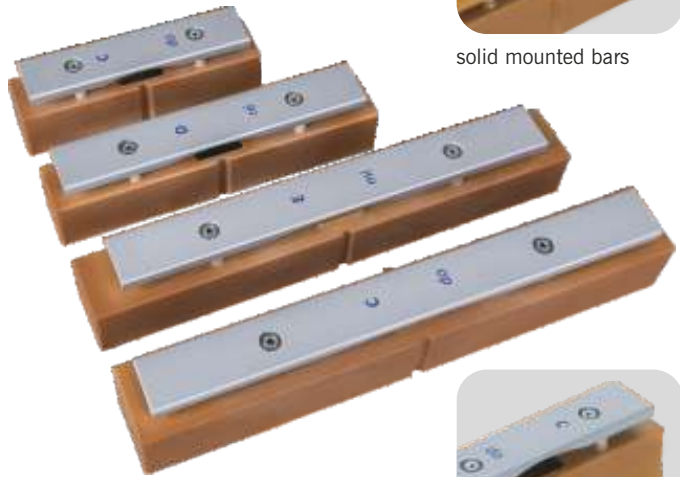
Note: All resonator bells sound an octave higher than shown here



KB/SAXG



solid mounted bars



KB/SAM



Solid mounted bars

Resonator Bars SAM and SAXG

- Tuned resonance chambers made of impact-resistant plastic material
- Practical shape in small size for holding in hand
- **KB/SAXG** bars with overtone tuning (32 x 10 mm), made of "indestructible wood" with the sound of a premium wood and the advantage of constant pitch over its lifetime even in strongly changing climates
- **KB/SAM** bars with overtone tuning (32 x 8 mm), made of profiled, high-quality aluminum for a full and long-standing sound
- Tonal range: alto and soprano, c1 – c3, resp. do1 – do3
- Notation in „c-d-e“ and „do-re-mi“ on each bar
- All notes come with mounted screws
- Recommended mallet:: **KB/SAXG CS 44**
 KB/SAM PKS 1

Pic. Tone c¹,
very handy size



CS 44

PKS 1

No. Tone

- 1 c¹ – do¹
- 2 c^{#1} – do^{#1}
- 3 d¹ – re¹
- 4 d^{#1} – re^{#1}
- 5 e¹ – mi¹
- 6 f¹ – fa¹
- 7 f^{#1} – fa^{#1}
- 8 g¹ – sol¹
- 9 g^{#1} – sol^{#1}
- 10 a¹ – la¹
- 11 b^{b1} – si^{b1}
- 12 b¹ – si¹
- 13 c² – do²
- 14 c^{#2} – do^{#2}
- 15 d² – re²
- 16 d^{#2} – re^{#2}
- 17 e² – mi²
- 18 f² – fa²
- 19 f^{#2} – fa^{#2}
- 20 g² – sol²
- 21 g^{#2} – sol^{#2}
- 22 a² – la²
- 23 b^{b2} – si^{b2}
- 24 b² – si²
- 25 c³ – do³

Alto and Soprano Resonator Bars

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

Individual bars no. 1 – 12 with

selected 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 b¹ h¹

No. 1 2 3 4 5 6 7 8 9 10 11 12

KB/AXG



Individual bars no. 13 – 22 with

selected 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 f^h 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



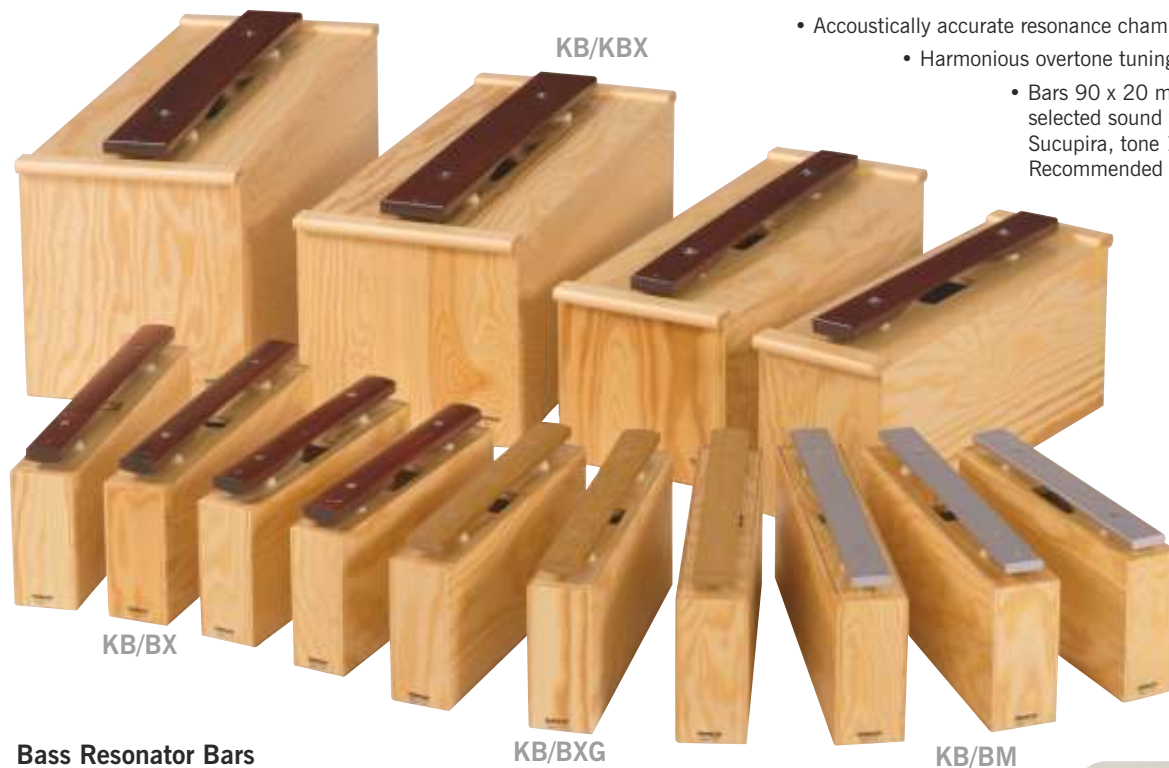
KB/AX

S 40



Contrabass Resonator Bars

- Acoustically accurate resonance chambers made of 12 mm solid pine
- Harmonious overtone tuning
 - Bars 90 x 20 mm to 60 x 20 mm made of selected sound wood, tone 1 - 12 **KB/KBX**
 - Sucupira, tone 1, 3, 6, 8 and 10 **KB/KBX/s**
 - Recommended mallet **S 60**



Nr.	KB/KBX	KB/KBX/s
1	C	1
2	C [#]	
3	D	3
4	D [#]	
5	E	
6	F	6
7	F [#]	
8	G	8
9	G [#]	
10	A	10
11	B ^b	
12	B	

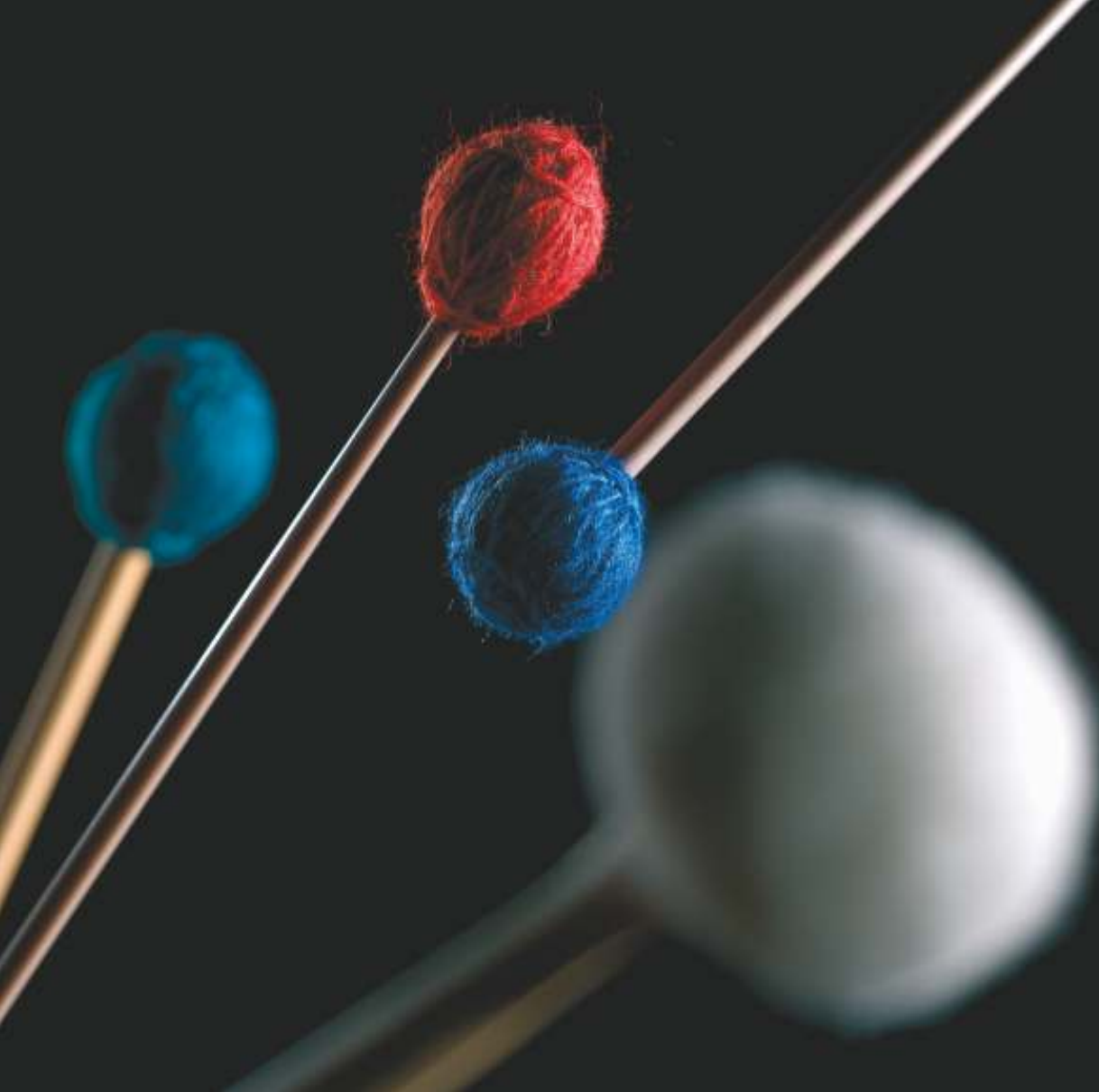
Bass Resonator Bars

- Tuned resonance chambers in best wood quality
- Harmonious overtone tuning

Bright Rosewood	KB/CBX
Rosewood 45 x 20 mm	KB/BX
GRILLODUR 45 x 17 mm	KB/BXG
Aluminum 45 x 12 mm	KB/BM
Recommended mallet	S 3

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





Mallets

The sound quality your instrument produces is highly dependent on the mallet you choose. In general, soft mallets produce more fundamental pitch and less overtone; hard mallets produce less fundamental pitch and more overtone. Large bars require proportionately larger mallet heads.

To assist you with choosing the mallets which produce the best sound for your instruments, STUDIO 49 now includes ist new mallet guide with each new instrument, making it quick and easy for you and your students to create optimum sound.





wrapping mallets



Mallets for glockenspiels

model	tonal range	series	pieces	length
GS	soprano	1600	2	22 cm
S 1	soprano	2000	2	25 cm
PKS 3	alto	1600	1	22 cm
S 2	alto	2000	2	25 cm

Mallets for xylophones with GRILLODUR bars

model	tonal range	series	pieces	length
S 50	soprano	2000	2	32 cm
S 40	alto	2000	2	32 cm
S 3	bass	2000	2	36 cm

Mallets for xylophones with Rosewood bars

model	tonal range	series	pieces	length
CS 5	soprano	1000	2	28 cm
S 5	soprano	1600/2000	2	32 cm
CS 44	alto	1000	2	28 cm
S 4	alto	1600/2000	2	32 cm
S 40	alto	2000	2	32 cm
S 33	bass	1600	2	32 cm
S 3	bass	2000	2	36 cm

Mallets for metallophones

model	tonal range	series	pieces	length
CS 55	soprano	1000	2	28 cm
S 55	soprano	1600	2	32 cm
S 50	soprano	2000	2	32 cm
CS 7	alto/bass	1000	2	28 cm
S 7	alto	1600/2000	2	32 cm
S 33	bass	1600	2	32 cm
S 3	bass	2000	2	36 cm



Mallets for resonator bells and bars

model	tonal range	series	pieces	length
PKS 3	c3 – a3	KBN	1	22 cm
PKS 2	c2 – b2	KBN	1	22 cm
PKS 1	c1 – b1	KBN	1	25 cm
S 50	soprano	2000	2	32 cm
S 40	alto	2000	2	32 cm
S 33	bass	1000	2	32 cm
S 3	bass	2000	2	32 cm
S 60	contrabass	2000	1	43 cm

SKIN INSTRUMENTS

Available with real calfskin or goatskin, or optional plastic heads in most cases. Natural skins have a warmer timbre than the somewhat dry sound of plastic heads. Plastic, however, has the advantage of constant pitch. It does not react hygroscopically and does not need to be retuned after changes in temperature or humidity.

Richness and purity of the beat depends on the precise all-around tuning of the head. In tambours, tambourines, and in simple screw timpani, the required pitch must be obtained by adjusting all the tension screws (always across from each other). The rotary timpani, models DP as well as the kettle drums, models KP, have a central, very precise rotary tuning mechanism, which enables fast and simple tuning by turning the timpani shell. There is no need to adjust any screws, which are used only to balance or correct skin tension from time to time.

Note: The skin of Tambours, Tambourines and Timpani should be loosened after each playing.





tuning of timpani

Timpani

- Body made of firmly laminated hardwood
- Tunable skins
- Natural skin or plastic head available
- Adjustable legs (approx. 50 - 77 cm)

Diam.	tonal range	natural skin	plastic head
30 cm, 12"	a – e1	P 300	P 300/P
35 cm, 14"	f – c1	P 350	P 350/P
40 cm, 16"	d – a	P 400	P 400/P
45 cm, 18"	c – g	P 450	P 450/P

DP 450



P 400/P



P 300/P



Rotary Timpani

- Body made of firmly laminated hardwood
- Central tuning mechanism
- Natural skin or plastic head available
- Adjustable legs

DP 350

Diam.	tonal range	height	natural skin	plastic head
30 cm, 12"	a – f 1	56 – 86 cm	DP 300	DP 300/P
35 cm, 14"	f – d 1	59 – 89 cm	DP 350	DP 350/P
40 cm, 16"	d – b	62 – 92 cm	DP 400	DP 400/P
45 cm, 18"	c – a	66 – 96 cm	DP 450	DP 450/P

Timpani mallets (per pair)

suitable for all timpani PS 2N

especially for kettle drums PS 4N



KP 70

KP 60

KP 50

KP 40

Kettle Drums

- Body made of lightweight aluminum
- Central tuning mechanism
- With selected calfskins for professional sound
- Playing height KP 40 till KP 70 approx.
72 – 73 cm

Diam.	tonal range	
40 cm, 16"	c – a	KP 40
50 cm, 20"	A – f#	KP 50
60 cm, 24"	G – e	KP 60
70 cm, 28"	E – c	KP 70



mounting skin of
kettle drum

Djembes

- Djembes from Africa, specially designed for STUDIO 49
- Hand-carved body made of lightweight bright wood
- With selected goatskin
- Rope tuning system with specially pre-stretched cords

- All models with clear, concise pitch as well as powerful bass starting with a size of 8 inches

ADJ 8 Ø 20 cm, 8", approx. 40 cm height

ADJ 10 Ø 25 cm, 10", approx. 45 cm height

ADJ 12 Ø 30 cm, 12", approx. 56 cm height

ADJ 13 Ø 32 cm, 13", approx. 60 cm height



ADJ 8



ADJ 10



ADJ 12



ADJ 13



ZT 106



ZT 108



ZT 206



how to rope
the Djembe

Log drums

Log drums complement and enhance the sound of the Orff instruments and invite for improvisation. Both Series **100/200** of the log drums are harmonically tuned in intervals, but differ in their sound characteristics. All models are equipped with extra wide tongues of at least 30 mm.

- **Models 100** with top plates made of selected Robinia are characterized by a strong, clear and a rather percussive sound. The body is made of pine (40 x 17 x 17 cm).
Includes 2 mallets S 99
ZT 106, 6 tongues
ZT 108, 8 tongues
- **Models 200** with top plates of Sucupira perform a smooth, warm and longer ringing sound. The body is made of the finest spruce (40 x 17 x 17 cm).
Includes 2 mallets S 99
ZT 206, 6 tongues
ZT 208, 8 tongues



ZT 208

Cajons

- Body made of 10 mm Birchwood, anti-slip seat and rubberized felt feet
- Playing surface made of selected multilayer fine Birchwood with easy response
- Both Cajons with two snare components each for strong snare-effects



CJ 450

Full and rich basses until crispy heights mark this all round instrument
Measures 30 x 30 x 45 cm



CJ 360

Powerful and round basses despite small construction size, ideal for beginners
Measures 30 x 30 x 36 cm



T-CJ

Padded bag, suitable for model
CJ 450/360

Bass Drum GT 50/P

In the beginning there was the drum.....The instrument par excellence for body orientated rhythm. The powerful vibrations caused by the drum while playing are thrilling the whole body. The STUDIO49 body as well as the tension rings are made of firmly laminated beech tree. The special tensioning system - without any bolting through the body - is the basis for a sound being able to deploy unhindered.

- Two tunable plastic heads, diam. 50 cm, 20"
- Including four attached feet
- Recommended mallet GTS N



GT 50/P



DT 25

Hand Drum DT 25

- Laminated hardwood shell made of beech tree
- Special tensioning system without any bolting through the body providing an optimum in sound quality
- Two tunable heads

natural skin, diam. 25 cm, 10"
 plastic head, diam. 25 cm, 10"

DT 25
 DT 25/P



GTSN

Tambourines

These are available with real calfskin or goatskin, or optional plastic head. Natural skins have a warmer timbre than the somewhat dry sound of plastic heads. These however, have the advantage of constant pitch. They do not react hygroscopically and need not be retuned after changes in temperature or humidity.

- Hand drum, with laminated hardwood shell
- Tuneable heads
- Available with natural skin or plastic head

Tambours

diam.	natural skin	plastic head
25 cm, 10"	RT 250	RT 250/P
30 cm, 12"	RT 300	RT 300/P
35 cm, 14"	RT 350	RT 350/P
40 cm, 16"	RT 400	RT 400/P

Jingle Rings Laminated hardwood shell
 25 cm (10"), 7 pairs of jingles **HSR 7**
 25 cm (10"), 14 pairs of jingles **HSR 14**

Tambourine

Nailed head, comfortable grip
 25 cm (10"), 10 pairs of jingles **RST 250/10**

Tambourines

diam.	jingles	natural skin	plastic head
25 cm, 10"	4 pairs	RST 250/4	RST 250/4P
25 cm, 10"	6 pairs	RST 250/6	RST 250/6P
30 cm, 12"	8 pairs	RST 300/8	RST 300/8P
30 cm, 12"	12 pairs	–	RST 300/12P



Large, high quality, hammered jingles made of German silver



Stringed instruments

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.

Measures 55 x 20 x 5 cm

Alto bowed psaltery ASp

chromatic, 25 strings f1 – g3



Plucking psaltery SZp

6 Strings (c2 – c3)
Tone sequence c-d-e-g-a-c
Inclusive tuning key
Measures 40 x 11 x 5 cm

Plucking psaltery

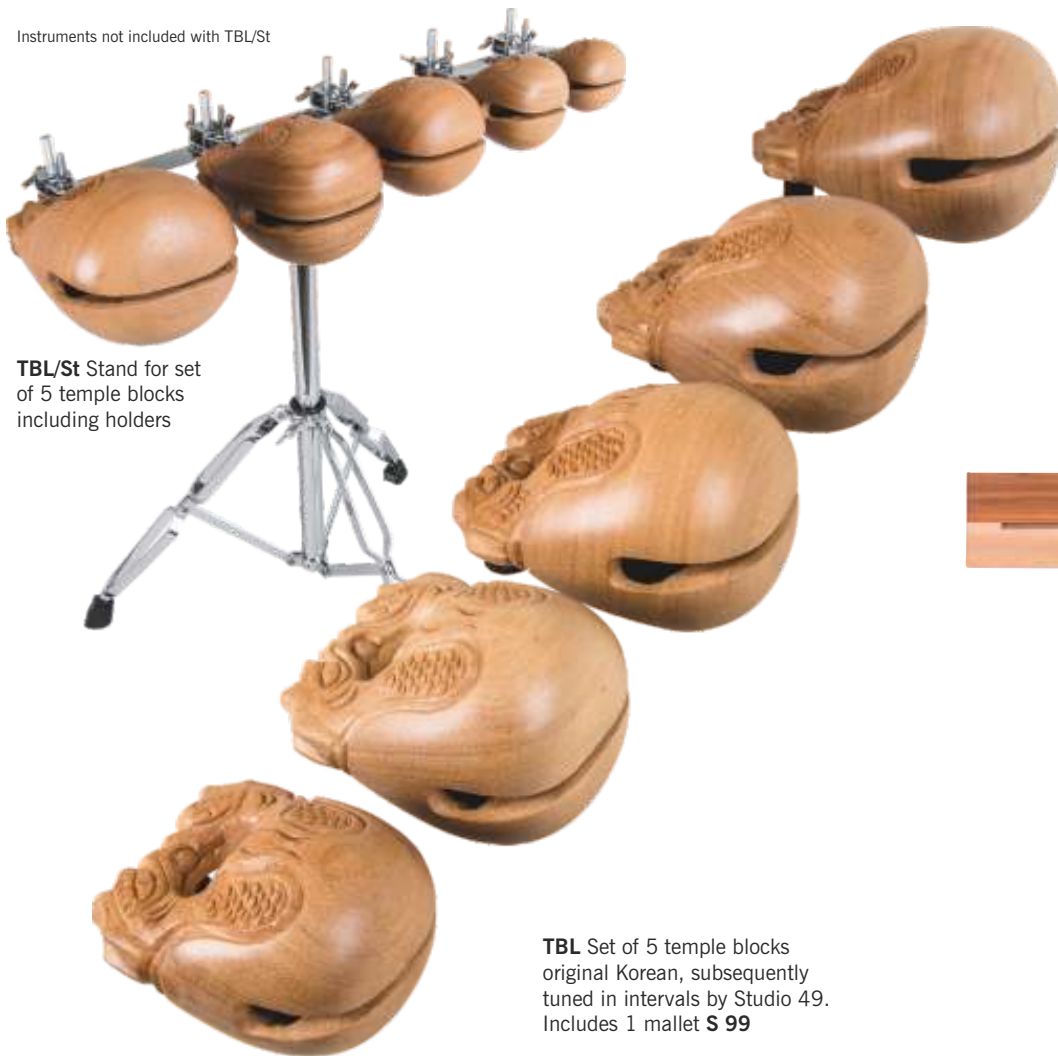
- Elementary instrument, which can be plucked by hand or played with a plectrum
- Large intervals between the strings for easy playing by children
- Ideal for the first steps in playing a stringed instrument
- Perfect supplement to the instruments of Series 500 easycussion. (see catalogue page 8 and 9)



Bowed psaltery
care and maintenance



Instruments not included with TBL/St



TBL/St Stand for set of 5 temple blocks including holders

TBL Set of 5 temple blocks original Korean, subsequently tuned in intervals by Studio 49. Includes 1 mallet **S 99**

Concert Triangles

Highly resonant, manufactured of specially alloyed steel with strap. Includes 1 striker **TSK**

- KTI 1** 10 cm (4"), diam. 10 mm ($\frac{3}{8}$ "
- KTI 2** 15 cm (6"), diam. 10 mm ($\frac{3}{8}$ "
- KTI 3** 20 cm (8"), diam. 12 mm ($\frac{1}{2}$ "
- KTI 4** 25 cm (10"), diam. 12 mm ($\frac{1}{2}$ "
- TSK** Striker for Concert Triangle **KTI**

Cow Bells

CB4 about 11 cm, 4 ½"

CB6 about 16 cm, 6 ¼"

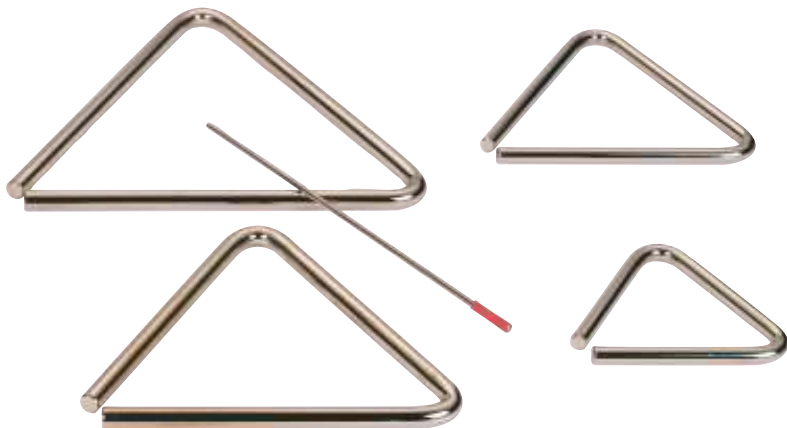


Woodblocks of maple/hardwood in 3 sizes (without mallet) from crackling short highs to deep, powerful, sustained tones

WB14 small

WB16 medium

WB18 large



Instruments not included with RUST 4



RUST 4 Universal stand for Concert Triangles, Woodblocks, and Cow Bells

Necessary holders

Ha/KTI for triangle KTI

Ha/WB for woodblock WB

Ha/CB for cowbell CB

Sab Accessory table



KTI 4



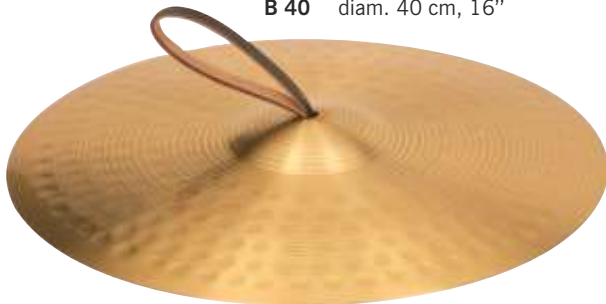
B/St
Folding stand for Cymbal, adjustable height and angle (remove leather strap when setting up the cymbal on the stand)



C 5 Finger cymbals with elastic straps, 1 pair, Ø 5 cm, 2"

Hanging cymbals, hammered model, especially sonorous, with leather strap

- B 30** diam. 30 cm, 12"
- B 35** diam. 35 cm, 14"
- B 40** diam. 40 cm, 16"



Ca Cabasa about 17 cm long, diam. 3/8"



Cabasa



Triangles

of special steel alloy with strap, includes 1 striker (TS)

- T 10** 10 cm, 4"
- T 15** 15 cm, 6"
- T 20** 20 cm, 8"



MSR Jingle ring made of aluminum with 9 pairs of small jingles



SR Jingle rattle of Tonkin cane with 4 pairs of hammered German silver jingles



SK Sleighbell spray, 10 sleigh bells on leather strap with wooden handle



GK/SK

KBr Two castanets made of pearwood on wooden frame, adjustable tension



Kg Castagnet, Rosewood, original Spanish model



SBg

SBv

Sleighbell wristlets, Five sleighbells on lined leather band
SBg with elastic
SBv with cord ties



AB Agogo Bells

DCL Double note claves made of selected rosewood, various lengths, diam. 23 mm



HRT Tubular Woodblock double note, includes 1 mallet PKS 3



DCL

HT 2 Woodblock of rosewood with two different notes, includes 1 mallet PKS 3



CL Claves made of hardwood, 21 cm long, diam. 25 mm



S 21 Claves made of selected rosewood, 21 cm long, diam. 23 mm



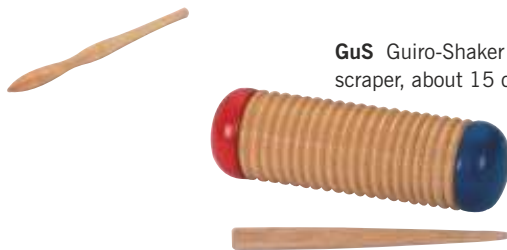
S 18 Claves made of selected rosewood, 18 cm long, diam. 18 mm



Gu Guiro with scraper
Originally from Mexico,
refinished by Studio 49
about 41 cm long



GuS Guiro-Shaker with
scraper, about 15 cm long



WA Wooden Agogo
includes 1 mallet

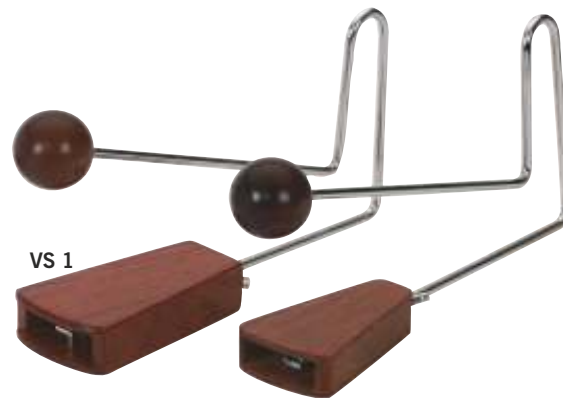


Metall-
Shaker



Metall-Shaker

- MS 21** diam. 5 cm, 21 cm long, sandy, smooth sound
- MS 17G** diam. 4 cm, 17 cm long, medium powerful, even sound
- MS 17K** diam. 4 cm, 17 cm long, powerful, meaty sound



VS 2

Vibra-Slaps

Special effect instruments
with buzzing sound

- VS 2** high, sharp sounds
- VS 1** deep, rattling sounds

AF 642

Caxixi small,
African original,
about 15 cm high,
diam. 7 cm



SRr Shaker

Mexican original,
additionally refinished,
about 40 cm long



SH 2 Shaker Set
with two Shakers
each 10 cm long,
with bright and
dark sound



Ma21 Maracas
Mexican original,
additionally refinished,
about 21 cm long



Ma26 Maracas
Mexican original,
additionally refinished,
about 26 cm long



SH 3 Shaker Set
with three
different sounds



Jingle Matrix

The multi-sound tambourine

This new instrument (patented) combines the characteristics of a shaker with those of a tambourine and opens completely new possibilities in sound. The special construction and compact design allows precise playing of rhythms, because the Jingle Matrix allows play in tambourine or shaker style and comined versions. One shots are also possible.

The models with 8 and 12 pairs of jingles also fit a regular hi-hat with 8 mm pin.



JM 12



JM 8



JM 8



JM 4



Mallets for Hand Percussion

model	pieces	use
FS	1	for tambours and hanging cymbals
BS	1	for tambours and hanging cymbals
DKS6	1	for woodblocks (wooden+plastic head)
TS	1	for triangle
TSK	1	for Concert Triangle (models KTI)
PKS 3	1	for all woodblocks
S 99	1	for slit drum ZT

Maintenance

Instruments require proper care and storage. Extreme changes in temperature, humidity, and direct sunlight can cause damage to your instrument.

General Care: All lacquered wood and metal parts can be cleaned with a normal silicone-free furniture polish. Nickel or chrome surfaces such as stand legs and cymbals are best protected with resin-free refined oil or chrome polish.

Xylophones: When exposed to strong sunlight or moisture, the pitch of wooden xylophone bars can become altered. When needed, Studio 49 can retune your instrument within a reasonable time. The pitch can also change when using mallets with heads that are too hard for that particular instrument. Please see our mallet guide included with all new barred instruments. Xylophones with Grillodur bars, a highly refined fiberglass material, do not lose their pitch regardless of temperature or humidity changes.

Glockenspiels and Metallophones: These bars don't change their pitch, however, nickel-plated glockenspiel bars are inclined to corrode in extreme climates, especially when stored in humid conditions. Therefore, the bars should be lightly oiled, using a refined oil, from time to time in order to keep their natural shine and prevent corrosion.

Tambours and Tambourines The tension on tambours and tambourines should be eased after they are played. All tension screws should be loosened by approximately ¼ turn. This will conserve both the skin and frame.

Rotary and Kettle Drums The bodies of rotary and kettle drums should be turned so the instrument is in the middle tone area and the tension arms of the head are as horizontal as possible.

The **threads of both the tension screws and the tension arms** of skin instruments should be lubricated with a fine oil. This will guarantee an easy, yet sensitive tuning of your instrument.

Spare parts

Despite careful maintenance, some instrument parts are subject to natural wear, especially parts made of rubber or similar materials. These should be replaced from time to time to maintain the full scope and tonal qualities of your instruments.

On our home page, www.studio49.de, under Repair Information System you will find the corresponding spare parts for all generations of instruments manufactured since the establishment of our company in 1949, including replacement bars for all barred instrument series.



A lot of small repairs can be done by yourself. For this purpose the pictures in our repair manual will assist you. These manuals are ready for download on our website under the rubric service.



Repair information system (RIS)



"Dr. Lissas"
Instrument Repair Hospital

Institutions associated with the “Orff-Schulwerk” approach

Orff-Schulwerk Associations

- provide information about current matters concerning elementary music and movement education
 - promote the exchange of specialized knowledge and offer seminars for further training
 - are a meeting place for everyone, working with children, teenagers, or adults in different areas and for everyone interested in music pedagogy, as well as looking for strong support
- Orff-Schulwerkgesellschaft **Deutschland** e.V.
www.orff-schulwerk.de
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www.orff-schulwerk.ch

more information about Orff-Schulwerk associations around the world:

www.orff-schulwerk-forum-salzburg.org

Orff-Zentrum

- is under authority of the Bavarian State Ministry
- manages the inheritance from Carl Orff
- supports scholarly research of the composer's life and works
- maintains an archive of Carl Orff's manuscripts and the articles written about him
- issues publications and organizes events

www.orff-zentrum.de

Orff-Schulwerk Forum

- is the international contact point that has links with the Orff Institut in Salzburg
- disseminates the “Orff Schulwerk” teaching philosophy internationally by means of publications and events

www.orff-schulwerk-forum-salzburg.org

Orff-Institut

- university for teaching music and dance education
- different courses of studies
- international summer courses
- symposiums and meetings
- guest student weeks in spring and autumn

www.orff.moz.ac.at

Orff-Stiftung

- was established by Carl Orff in his last will and testament
- maintains the artist's inheritance, the preservation and dissemination of his spiritual legacy

www.orff.de

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34132 Kassel
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