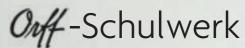
STUDIO 49



Percussion Instruments for Kindergarten, School, Therapy, and Family





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 empoyed 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 65 years after the foundation – an important component for the permanent development of our instruments.



Founding company plaque from 1949

Historie

www.studio49.de

From our production









Your instruments are made in Germany. Lifelong 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 65 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.



Barred Instruments

- Series 500 easycussion
- Series 1000 Compact Line
 - Xylophones
 - Metallophones

Series 1600

- Glockenspiels
- Xylophones
- Metallophones

Series 2000

- Glockenspiels
- Xylophones
- Metallophones

Accessories for barred instruments 23

- Tables/Stands
- Bar holders
- Cases

Series 2500

- Resonator bars
 - Soprano and alto resonator bells
 - Soprano and alto resonator bars
 - Bass and contrabass resonator bars
- Mallets for barred instruments 30-32

Skin Instruments

Timpani

8-9

10-13

14-17

18-22

24

25-29

- Timpani
- Rotary timpani
 - Kettle drums
 - Mallets for timpani

Drums & Co.

- Djembes
- Log Drums
- Cajons
- further drums and bongos
- **Tambours** – Tambourines
- Stringed instruments
 Psaltery

Hand Percussion

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

Hand Percussion

33-35 Hanging cymbals Cymbals Cabasas

36-38

39

40

- 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
- 41-43 Jingle matrix The multi-sound tambourine **Mallets** for hand percussion

Important hints

50-51

44-49

- Maintenance of instruments
- Workshops
- Orff-Schulwerk institutions

6

Contents

Suggestions for instrument groups specifically recommended for kindergarten, primary and secondary schools, therapy, and special needs are listed on ourwebsite www.studio49.de/ Sets of instruments





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.







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 pine
- Compact design with integrated handles
- Fabric-coated bar seating for lasting durability
- Simple storage in standing position

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

- Ideal complement for series 500 easycussion
- Minimized distance between holes makes it easy for children to grip
- Easy transition to full-sized recorder
- Head joint made of high-quality plastic easy to care, body made of pear tree
- Includes cloth bag, cleaning bar and fingering chart



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

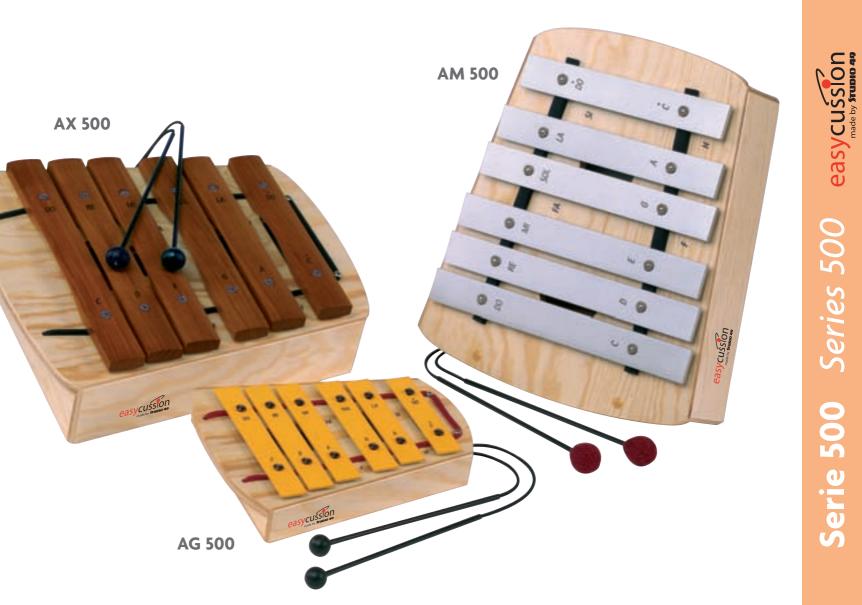


BF 500

	Bags for series 500	
T-AG	for glockenspiel	
	for xylophone/	
T-AXM	metallophone	

500

500



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. 8kg.

- Bars made of bright Rosewood or aluminum
- 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
- Carrying bags for soprano and alto instruments





Xylophones

A J tophonics	
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	LI DV 1000
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 hars 2 mallets CS 7	

16 bars, 2 mallets CS 7 BM 1000 (6 bars 36 x 10 mm, 10 bars 32 x 8 mm) Chromatic resonance box

H-BM 1000

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

Note: For bags look at page 13



Series 100 Serie 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 pine 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^{\flat} 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
10 Dars 52 x 10 mm, 2 matters C5 44	ANG 1000
Chromatic resonance box	
with c#1, d#1, g#1, c#2, d#2, g#2	H-AXG 1000
Bass xylophone, c - al	
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 study textile-tissue with reinforced upper and lower side
- With padded grip, wide and adjustable carrying strap, comes with additional pocket

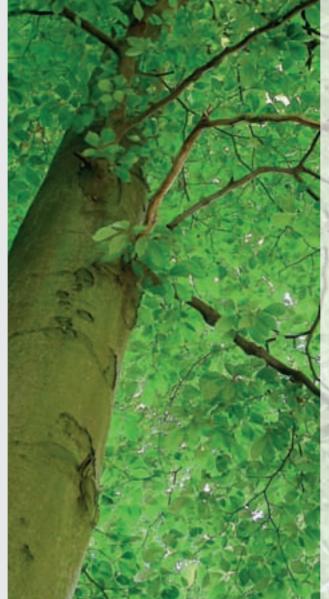


Soprano: full tone **T-SXM 1000** semitone **T-HSXM 1000** Alto: full tone **T-AXM 1000** semitone **T-H-AXM 1000**

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

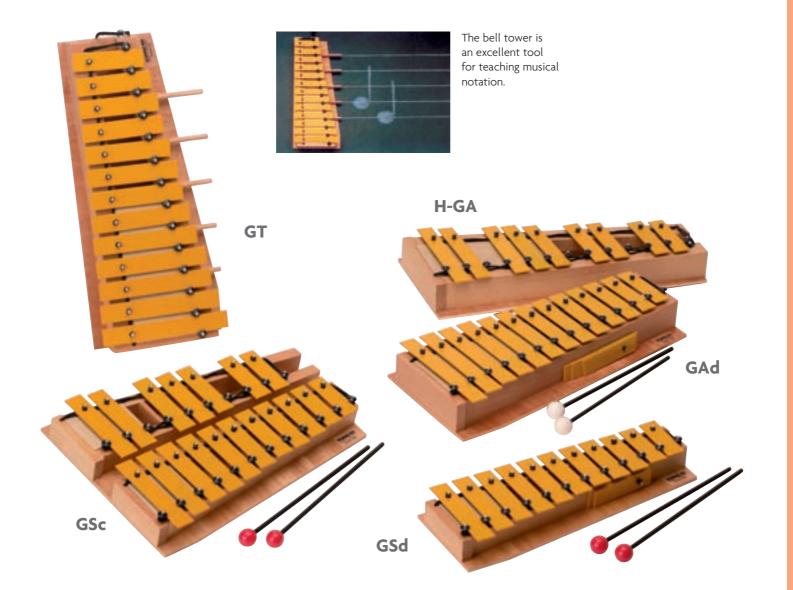
Soprano glockenspiel, c3 – f4 13 bars 20 x 2 mm, 2 mallets GS	GSd
Soprano glockenspiel, chromatic c3 – f4 18 bars 20 x 2 mm, 2 mallets GS	GSc
Alto glockenspiel, c2 – a3 16 bars 20 x 2 mm, 2 mallets PKS 3	GAd
Chromatic resonance box with c# 2, d# 2, g# 2, c# 3, d# 3, g# 3	H-GA
Bell Tower, c2 – a3	

GT

16 bars 20 x 2 mm, 2 mallets PKS 3



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



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 <i>c#</i> , <i>d#</i> , <i>g#</i> , <i>c#</i> 1, <i>d#</i> 1, <i>g#</i> 1	H-BX 1600





BX 1600

Metallophones

Soprano metallophone, c2 – a3 16 bars 30 x 6 mm, 2 mallets S 55

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

Alto metallophone, c1 – a2 16 bars 30 x 6 mm. 2 mallets S 7

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

Bass metallophone, c - al with harmonic overtone tuning

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

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

16 bars, 2 mallets S 33

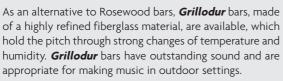


2000

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.



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 zinc-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

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

H-SG



SGd

AGc







Bags for glockenspiels Series 2000

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







Series 2000 Serie 2000

Xylophones with Rosewood or *Grillodur* bars

- Includes $f^{\#}$ and b^{\flat} 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 highimpact 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
Vylanhanas with Crilladur	
Xylophones with Grillodur b	ars
· ·	ars
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50	ars SXG 2000
Soprano xylophone, c2 – a3	
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50	
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50 Chromatic resonance box	SXG 2000
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50 Chromatic resonance box with c#2, d#2, g#2, c#3, d#3, g#3 Alto xylophone, c1 – a2 with harmonic overtone tuning	SXG 2000
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50 Chromatic resonance box with c#2, d#2, g#2, c#3, d#3, g#3 Alto xylophone, c1 – a2	SXG 2000
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50 Chromatic resonance box with c#2, d#2, g#2, c#3, d#3, g#3 Alto xylophone, c1 – a2 with harmonic overtone tuning	SXG 2000 H-SXG 2000
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50 Chromatic resonance box with c#2, d#2, g#2, c#3, d#3, g#3 Alto xylophone, c1 – a2 with harmonic overtone tuning 16 bars 32 x 14 mm, 2 mallets S 40	SXG 2000 H-SXG 2000
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50 Chromatic resonance box with c#2, d#2, g#2, c#3, d#3, g#3 Alto xylophone, c1 – a2 with harmonic overtone tuning 16 bars 32 x 14 mm, 2 mallets S 40 Chromatic resonance box	SXG 2000 H-SXG 2000 AXG 2000
Soprano xylophone, $c2 - a3$ 16 bars 32 x 14 mm, 2 mallets S 50 Chromatic resonance box with c#2, d#2, g#2, c#3, d#3, g#3 Alto xylophone, c1 - a2 with harmonic overtone tuning 16 bars 32 x 14 mm, 2 mallets S 40 Chromatic resonance box with c#1, d#1, g#1, c#2, d#2, g#2	SXG 2000 H-SXG 2000 AXG 2000
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50 Chromatic resonance box with c#2, d#2, g#2, c#3, d#3, g#3 Alto xylophone, c1 – a2 with harmonic overtone tuning 16 bars 32 x 14 mm, 2 mallets S 40 Chromatic resonance box with c#1, d#1, g#1, c#2, d#2, g#2 Bass xylophone, c – a1	SXG 2000 H-SXG 2000 AXG 2000
Soprano xylophone, c2 – a3 16 bars 32 x 14 mm, 2 mallets S 50 Chromatic resonance box with c#2, d#2, g#2, c#3, d#3, g#3 Alto xylophone, c1 – a2 with harmonic overtone tuning 16 bars 32 x 14 mm, 2 mallets S 40 Chromatic resonance box with c#1, d#1, g#1, c#2, d#2, g#2 Bass xylophone, c – a1 with harmonic overtone tuning	SXG 2000 H-SXG 2000 AXG 2000 H-AXG 2000



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

H-BM 2000

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

H-AM 2000

Accessories for mallet percussion

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

ST

SD

FSD

FSC

K 1

К3

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

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

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

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

for bass instruments

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

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



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



The ideal traveling instrument with a professional range of 2.5 octaves, from $g^2 - c^5$. 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.

STUDIO /79

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-G 2500

2.5 octaves f 2 - c 5 Bars made of high-grade steel, 30 x 4 mm Tuning 442 Hz Inclusive 2 mallets Measures 80 x 33 cm, approx. 6 Kg

Stand **GP/ST** equipped with four additional antislide elements for safe fixing of the instrument. 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 wellsuited 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 synthethic material which has the tonal characteristics of a xylophone bar. This offers additonal 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

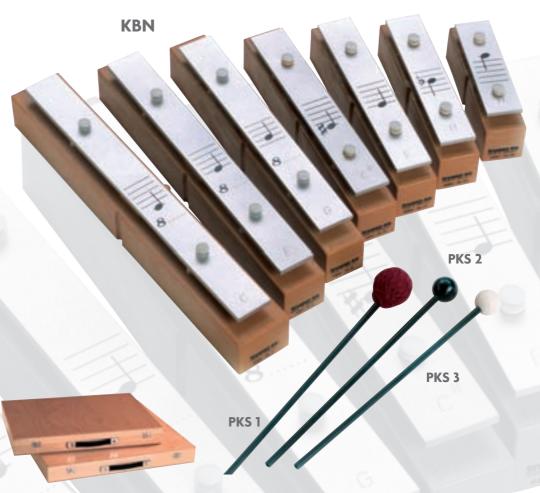
includes f# a	and b ^b bars	
and 1 mallet	for each bar	
tonal range	c2 – a3, 16 bars	KBN 1c
	c1 – c3, 19 bars	KBN 3c

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 56 x 42 x 7 cm

for Set **KBN 3d** or **KBN 3c** measures 58 x 56 x 6,5 cm



 Tone
 c1
 d1
 d41
 e1
 f1
 g1
 g41
 a1
 b1
 c2
 c#2
 d2
 d2
 g4
 c3
 c#3
 g3
 g#3
 g#3

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

BK 1

BK 3



Resonator Bars SAM and SAXG

 Tuned resonance chambers made of impact-resistant plastic material 	No.	Tone
 Practical shape in small size for holding in 	1	c1 – do1
hand	2	c#1 – do#1
 KB/SAXG bars with overtone tuning (32 x 10 mm), made of "indestructible wood" 	3	d1 – re 1
with the sound of a premium wood and the	4	d#1 – re#1
advantage of constant pitch over its lifetime	5	e ¹ – mi ¹
even in strongly changing climates • KB/SAM bars with overtone tuning	6	f ¹ – fa ¹
(32 x 8 mm), made of profiled, high-quality	7	f#1 – fa#1
aluminum for a full and long-standing sound	8	g1 – sol1
 Tonal range: alto and soprano, c¹ – c³, resp. do¹ – do³ 	9	g#1 – sol#1
 Notation in "c-d-e" and "do-re-mi" on each 	10	a ¹ — la ¹
bar	11	b♭1 – si♭1
 All notes come with mounted screws Recommended mallet: KB/SAXG CS 44 	12	b1 — si1
KB/SAM PKS 1	13	c² – do²
	14	c#2 – do#2
	15	d² – re²
	16	d#2 - re#2
Pic. Tone c ¹ ,	17	e² – mi²
very handy size	18	f ² – fa ²
	19	f#2 – fa#2
-	20	g² – sol²
CS 44 PKS 1	21	g#2 – sol#2
	22	a² – la²
	23	b♭2 – si♭2
	24	b² – si²
	25	c ³ – do ³

Resonator Bars Klangbausteine

Alto and Soprano Resonator Bars

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

Individual bars no. 1 – 12 with

selected Rosewo <mark>od bars 32 x 18 mm</mark> <i>Grillodur</i> bars 32 x 14 mm								KB/ KB/	⁄ΑΧ ⁄ΑΧΟ		
Recommended mallet								S 40	0		
Tone c ¹	C#1	dı	d#1	el	fl	f #1	gl	g#1	al	Ры	Ы
No. 1	2	3	4	5	6	7	8	9	10	11	12



Resonator Bars

Klangbausteine



Individu	al ba	rs no	o. 13 -	- 22	with				
selected Rosewood bars 32 x 18 mm								KB/	
Grillodur bars 32 x 14 mm								KB/	′SXG
Recomm	ende	ed m	allet					S 50)
Tone c ² No. 13							0	0	

BK 13

No.	13
Case	

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

KB/AX

S 40

Contrabass Resonator Bars

 Accoustically accurate resonance chambers made of 12 mm solid pine with integrated handles
 Rosewood bars 90 x 20 mm to 60 x 20 mm
 Harmonious overtone tuning

Recommended mallet S 60

No.	KB/KBX
1	C C#
2	C#
3	D D
2 3 4 5	D#
5	E
6 7	F
	F#
8	G
9	G#
10	G [#] A
11	В♭
12	В

KB/CBX

KB/BX

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



d#

3 4 5

2

e

8 9

7

6

Tone C

No. 1

KB/KBX

KB/BM

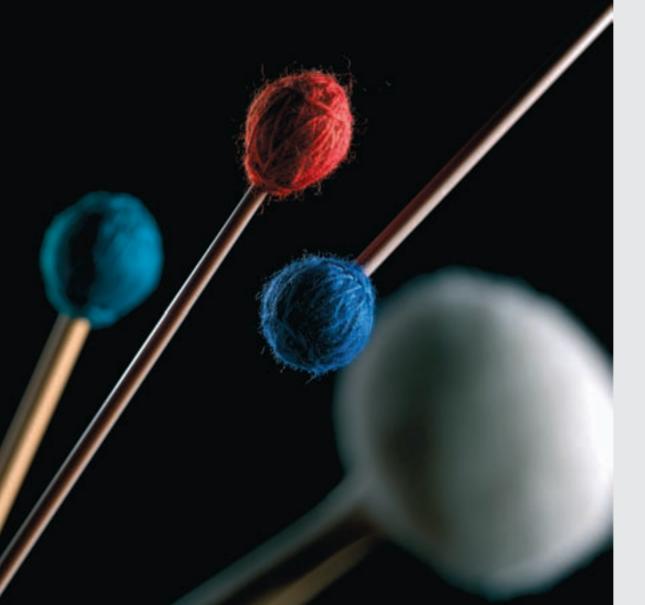
10 11 12

C

13

Recommended mallet **S 33**

Resonator Bars



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 its new mallet guide with each new instrument, making it quick and easy for you and your students to create optimum sound.



Mallets for glockenspiels GS tonal range series pieces length model GS soprano 1600 2 22 cm **S**1 **S** 1 2000 25 cm soprano 2 PKS 3 alto 1600 22 cm 1 PKS 3 S 2 alto 2 25 cm 2000 **S2 CS 5** S 5 S 50 **CS 44 S 4** Mallets for xylophones S 40 with Rosewood bars S 33 model tonal range series pieces length Mallets for xylophones CS 5 1000 28 cm soprano 2 **S** 3 with Grillodur bars S 5 soprano 1600/2000 2 32 cm **CS 44** alto 1000 2 28 cm model tonal range series pieces length S 4 alto 1600/2000 2 32 cm S 50 soprano 2000 2 32 cm alto S 40 2000 2 32 cm 32 cm S 40 alto 2000 2 S 33 1600 2 bass 32 cm S 3 2000 36 cm bass 2 S 3 2000 2 bass 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	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 fo				
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

S 33

S 7

S 3

PKS 2

CS 7

PKS 1

S 40

CS 55

S 55

S 50

S 60

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.



	Timpani	Diam.	tonal range	natural chin	plastic head
	 Body made of firmly 	30 cm, 12"	a – el	P 300	P 300/P
	laminated hardwood	35 cm, 14"	f – c1	P 350	P 350/P
	Tunable skins	40 cm, 16"	d – a	P 400	P 400/P
and the second se	Natural skin or	45 cm, 18"	c – g	P 450	P 450/P
	plastic head available	15 cm, 10	C 8	1 450	1 450/1
	Adjustable legs				
And a state of the	(approx. 50 - 77 cm)			-	
The second secon			M	P 400/P	
DP 450	THE .		aller 1	100/1	
			A.		
		1	V	•	
		m			
1 1	10				
		-		P 30)0/P
		1 million		117	
Rotary Timpani			and the second second	17	
		-	-	V	
Body made of firmly					
laminated hardwood	DP 350				
Central tuning mechanism		The second			
 Natural skin or plastic head available Adjustable legs 			1		
• Adjustable legs	1				
				1 1	
Diam. tonal range height natural skin, p	lastic head			•	
	P 300/P				
		impani mallets (per pa	•	-	
		or timpani with 10″ – 14		PS 1	
45 cm, 18" c – a 66 – 96 cm DP 450 D	PP 450/P fo	or timpani with 16″ – 2		PS 2N	Contraction of the second seco
		and the Construction of the second se			DC 4

especially for kettle drums

Pauken Timpani

KP 70

KP 50

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"	с — а	KP 40
50 cm, 20"	A- f#	KP 50
60 cm, 24"	G – e	KP 60
70 cm, 28″	E — c	KP 70

KP 40

KP 60

Djembes

- Djembes from Africa, specially made for STUDIO 49
- Hand-carved body made of lightweight Iroko (similar to mahogany), finished with linseed oil
- 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, diam. 20 cm, 8 ", approx. 40 cm height ADJ 10, diam. 25 cm, 10 ", approx. 45 cm height ADJ 12, diam. 30 cm, 12 ", approx. 56 cm height ADJ 13, diam. 32 cm, 13 ", approx. 60 cm height









Drums

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 S99 **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 S99 **ZT 206**, 6 tongues **ZT 208**, 8 tongues



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

STUDIO 49

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.

STUDIO 49

GTSN

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

Stand BO 2/St adjustable height and angle

Bongos BO 2

- Bongo with tuneable goatskins, diam. 6,5 " and 8 "
- Body made of White Wood/Asia subsequently reworked by STUDIO 49
- Lightweight version, suitable for children
- Recommended stand BO 2/St

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. Ø 25 cm, 10" **D1** plastic head, diam. Ø 25 cm, 10" **D1**

DT 25 DT 25/P DT 25

38

GT 50/P

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 heac
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	not available	RST 300/12P



Trommeln Drums

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.

Alto bowed psaltery ASp

chromatic, 25 strings f1 – g3 Measures 55 x 20 x 5 cm

Plucking psaltery SZp

STUDIO 40

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)

Bag for alto-psaltery T-ASp

Psalter *psaltry*



Instruments not included with TBL/St

TBL/StStandfor set of 5 templeblocks includingholders

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 (⅔")

 KTI 2
 15 cm (6"), diam. 10 mm (⅔")

 KTI 3
 20 cm (8"), diam. 12 mm (½")

 KTI 4
 25 cm (10"), diam. 12 mm (½")

TSK Striker for Concert Triangle KTI

CB4 about 11 cm, 4 ½ " **CB6** about 16 cm, 6 ¼ "



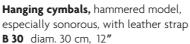
Woodblocks of maple/hardwood in 3 sizes (without mallet) from crackling short highs to deep, powerful, sustained tones WB14 small WB16 medium WB18 large



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

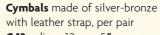


B 35 diam. 35 cm, 14"

B 40 diam. 40 cm, 16"

B/St

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



- C 12
 diam. 12 cm, 5"

 C 15
 diam. 15 cm, 6"

 C 20
 diam. 20 cm, 8"
- **C 25** diam. 25 cm, 10"

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" **T 25** 25 cm, 10" **Ca** Cabasa, about 17 cm long, diam. ³/8″



KS 2 Double castanet made of pearwood with handle, about 26 cm long

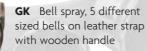
MSR Jingle ring made of aluminum with 9 pairs of small jingles

KS 1 Castanet with handle, made of pearwood about 18 cm long

SR Jingle rattle of Tonkin cane with 4 pairs of hammered German silver jingles **KBr** Two castanets made of pearwood on wooden frame, adjustable tension



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



SBv



Kg Castanet, Rosewood, original Spanish model



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



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

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

AB Agogo Bells

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

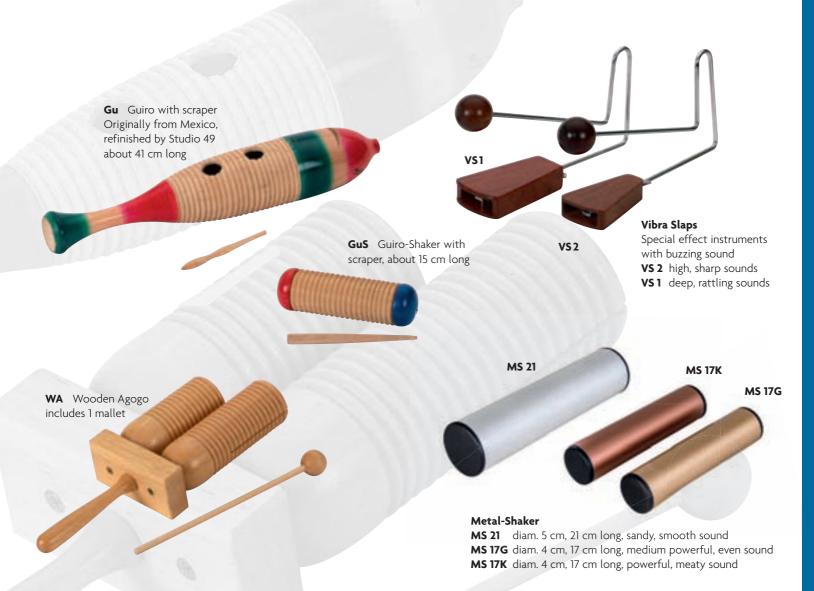
HRT Tubular Woodblock double note, includes 1 mallet PKS 3

S21 Claves made of selected rosewood, 21 cm long, diam. 23 mm

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



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



Hand Percussion

AF 641 Shekere, African original, diam. about 15 cm, 6″ **AF 642** Caxixi small, African original, about 15 cm high, diam. 7 cm

SRr Shaker Mexican original, additionally refinished, about 40 cm long

Ma 21 Maracas Mexican original, additionally refinished, about 21 cm long **SH 2** Shaker Set with two Shakers each 10 cm long, with bright and dark sound



h

SH 3 Shaker Set

different sounds

with three



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

48

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 8



JM 12

JM 4

Mallets for Hand Percussion

model	pieces	use
FS	1	for tambours and hanging cymbals
BS	1	for tambours and hanging cymbals
DKS 6	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 ZT6

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 fibreglass 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 $\frac{1}{4}$ 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.

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
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more information about Orff-Schulwerk associations around the world:

www.orff.de

under the rubric "sitemaps"

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 or kontakt@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.orffinstitut.at or sonja.czuk@moz.ac.at

Orff-Foundation

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





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