

Item-#: KP-BER-0000-000

Detailed information can be found at [www.lefima.de](http://www.lefima.de)



**These timpani are characterized by a gigantic sound volume, rich, full-bodied resonant tone, precise attack, romantic literature (e.g. Mahler, Bruckner, R. Strauss, etc), classical literature, large stages, large symphonic orchestras; heavy duty construction**

The production of a world class concert timpani requires the manual skill and a lot of know how that we gained in over 70 years of manufacturing. For us making timpani is tradition. The manufacture of the basic rak demands the highest precision The whole rack and especially the bowl support have to be tension-free and round so that the timpani will not con-tort and the bowl won't buckle. These are crucial pre...

## Design features

Handhammered copper bowl, infinitely adjustable pedal, infinitely adjustable for any shoe size from 3.5 - 11 (US 6 - 13), pedal stop, finetuner with silent acting pistol grip, precision tuning gauge fully adjustable from player's side (adjustable letters w. tone names, solfege on demand), chromed counterhoops made from angle steel, chromed 1/2 protective / carrying ring, 4 head locks, foot rest, 4 chromed levelling screws, comfortable full automatic castor system with foot lever, octopus tuning key with mounted tuning key holster, extra-sturdy magnetic snap-on head protector, playing height 85 cm (33.5½), colour AP-red

Intermediate sizes on demand

Item-#	Shell/Bowl (Inch)	Shell/Bowl (cm)	Tonerange	Heads	Tension Screws
KP-BER-0021-000	21"	54,0	e - c	siehe "Ausstattung" // see "equipment"	8
KP-BER-0022-000	22"	57,0	d - bb	siehe "Ausstattung" // see "equipment"	8
KP-BER-0025-000	25"	64,0	H - g	siehe "Ausstattung" // see "equipment"	8
KP-BER-0023-000	23"	59,5	c - a	siehe "Ausstattung" // see "equipment"	8
KP-BER-0026-000	26"	66,5	A - f#	siehe "Ausstattung" // see "equipment"	8
KP-BER-0028-000	28"	72,0	F - e	siehe "Ausstattung" // see "equipment"	8
KP-BER-0029-000	29"	74,0	E - c	siehe "Ausstattung" // see "equipment"	8
KP-BER-0031-000	31"	78,5	D - H	siehe "Ausstattung" // see "equipment"	8

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KP-BER-0032-000	32"	80,5	C - A	siehe "Ausstattung" // see "equipment"	8
KP-BER-0033-000	33"	84,0	A - G	siehe "Ausstattung" // see "equipment"	8
KP-BER-0035-000	35"	89,0	G - F	siehe "Ausstattung" // see "equipment"	8

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## Product Features



### Hand forged Copper Bowls

In addition to the choice of finest raw materials a high knowledge of the numerous processing techniques is necessary to guarantee...



### Berlin AP-Pedal (infinitely)

The AP-pedal is absolutely reliable and keeps tension precisely. The parts of the mechanism are made from the best steel which is ...



### Head Locks

The locking of four tension screws prevent head slippage during transport. The screws remain movable.



### Automatic Castors

For playing, the timpani can be gently let down to the floor to use the stage as additional resonance body. With the au...



### Hand Hammered Bowl

The sound finally is determined by the knowledge of hammering. The manufacture of a concert timpani bowl is an act of creatio...



### The Wedding of Bowl and Rack

With meticulous precision, the shape of the frame's suspension ring is worked. It must correspond exactly to the bowl lip in order...



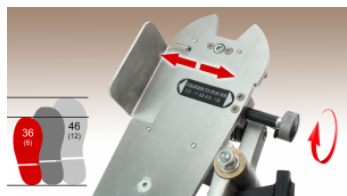
### Fine Tuner

Fine Tuner HandleThe fine tuner handle fits comfortably in the hand and has a hundred percent silently acti...



### Finetuner-Mark

A visible mark shows the possible travel of the thread



### Adjustable Pedal Foot Plate

Another feature that contributes to the comfortable operation of this model timpani.



### Ergonomic Release Lever

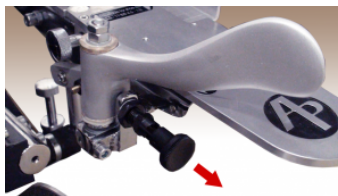
Its' curved shape follows the form of the shoe and facilitates a comfortable quick and easy pedal release in any position. No matt...

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**Pedal Return Assistance**  
AEHNELT timpani have a sensitively balanced system of levers. This provides pedal action with "natural" tangible resistance and in...



**Pedal Stop**  
The pedal mechanism can be easily blocked. Thus, the head tension cannot be accidentally changed on transport. A very useful featu...



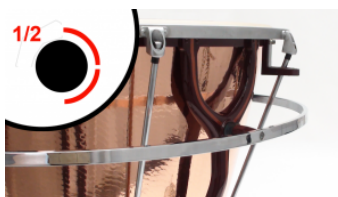
**Precision Tuning Gauge (fully adjustable from player's side)**  
Initial position and travel angle can be adjusted very comfortably from player's side directly at the gauge. Well visible mo...



**Steel Counterhoop**  
The vertical side extremely reinforces the rim. This leads to a maximum of firmness and so guarantees a proper tuning at any place...



**High-gloss Chromed Counterhoops**  
These counterhoops are hand-polished, then preserved in a complex electroplating with an lining of copper, an additional nickel la...



**1/2 Protective / Carrying Ring**  
The bowl is the heart of a timpani. In case of an accident, it can normally be repaired without problems. If however the rack...



**Tuning Key Holster**  
A tuning key holster on every timpani stores your tuning key quickly and quietly.



**Foot Rest**  
Especially when playing while sitting, the foot rest that is integrated into the timpani base is a useful feature. It helps to tak...



**Levelling Screws**  
Four levelling screws are integrated into the base for compensating floor bumps up to 5 centimeters (2 inches).



**Head Change Aid**  
In case of a head change, a spring neutralizes the weight of spider, tension screws and counterhoop. Nothing has to be put underne...

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## Tension Screws with Screw-in Help

All tension screws have a small cone at their thread end. Also when the nut is shifted a little bit, the screws can be turned into...



## Tension Screw Insulator

The bushes center the screws on the one hand, whereby they can be turned very easily. On the other hand they insulate the screws f...



## Rack made after the „Diapason“-Prinziple

A considerable part of the timpani sound is not produced by the bowl but comes from the rack instead. Therefore, the constru...



## Full Service History

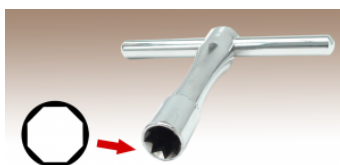
Similar to the service book of an automobile a properly completed service booklet sheds light on regularly conducted inspections a...

## Equipment



## Snap-on Head Protector

Simple to put on, keeps position with a magnetic device, without the use of straps or locks.



## Octopus Tuning Key

Because of its octagon this key guarantees quick placement on the screws without „searching“.



## Renaissance

Renaissance Heads are similar to natural skin heads with regards to sound and appearance. They feature a warm, dark, focused ...



## Kalfo Calfskin Head

The sound of natural skins is unmatched! Tucking a natural skin requires experience and skill. We supply wrinkle-free ...



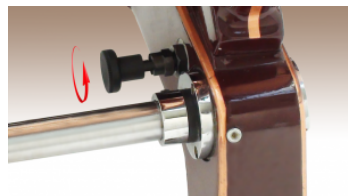
## Kalfo Goatskin Head

The sound of natural skins is unmatched! In contrary to calfskin heads goatskins sound softer, shorter, less...

## Additional Equipment

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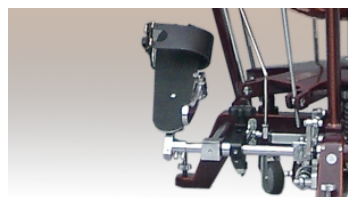
### Choosable Head Mode

Depending on the head type the entire travel of pedal and gauge can be used. This means that even after a change from natural...



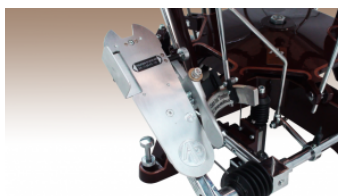
### Berlin AP-Pedal (Ratchet clutch)

The AP-pedal is absolutely reliable and keeps tension precisely. The parts of the mechanism are made from the best steel which is ...



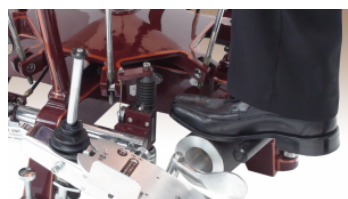
### Dresden AP-Pedal (infinitely)

The AP-pedal is absolutely reliable and keeps tension precisely. The parts of the mechanism are made from the best steel which is ...



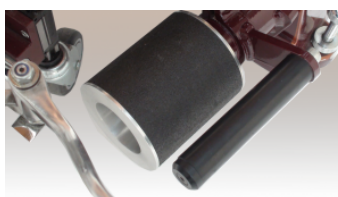
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### Foot Tuner

You can easily make fine-tuning adjustments. For example, while playing a fff to pp decrescendo-roll the intonation can be correct...



### Adjustable Comfortable Foot Rest

Especially with the foot-tuner and its movable roll, the foot rest is a very helpful feature. This foot rest can be adjusted...



### Pedal-S.A.M.

This maintenance-free servo hydraulics neutralizes the force on the mechanism caused by head tension and support the musician deci...



### Fine Tuner S.A.M.

This maintenance-free servo hydraulics neutralizes the force on the mechanism caused by head tension. The fine tuner can be t...



### Large Finetuner Grip

The handle fits comfortably in the hand. Due to its size, the hand's moment of force is transmitted well on the mechanics. T...



### Fine Tuner Diversion

At all Dresden pedal systems the finetuner is on the opposite side of the timpani. This is very unpractical because the timpanist ...

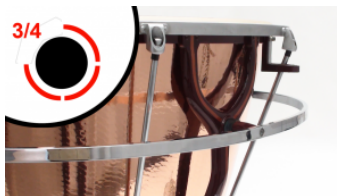
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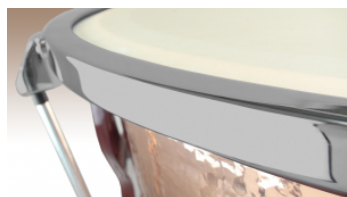
### Semi-automatic Castors

In case of transport the totally fixable castors move into position after a short lift of the instrument. For transporting the tim...



### 3/4 Protective / Carrying Ring

The bowl is the heart of a timpani. In case of an accident, it can normally be repaired without problems. If however the rack...



### Matt-chromed Counterhoops

The manufacturing procedure of matt-chromed counterhoops is quite complex. Here, the advantages of a non-dazzling surface are comb...



### Counterhoops in Rack Colour

Matching with the colour of the timpani rack, the counterhoop can be coated in the same hue.



### Design Example Vintage

This timpani set visually underscores the handcrafted instruments. The frames are painted in the look of the aluminum cast, the bo...



### Design Example Creamy White

This set is painted in creamy white satin, all the hardware is kept in a stylish brushed chrome. To both, the hand-hammered copper...



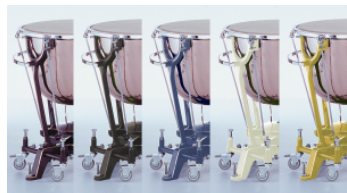
### Design Example

This set is equipped foot tuner and fine tuner S.A.M. as well as with a pedal servo with which the pedal resistance can be infinit...



### Design Example Dresden Pedal

This set of „Berlin“ model timpani is equipped with our infinitely adjustable Dresden style pedal mechanism which allows foot acti...



### Colour Examples

Some of the most common rack colours.



### Crank Timpani

Because of a precisely cut thread, the spindle can be moved noiselessly and without ease. Its' travel in the low pitch range corre...

## Accessories

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### LogiCase with Ramp

By only one person, the trunk can be loaded over a short ramp that is integrated into the door and the timpani is fixed with a fli...



### LogiCase with sledge

For orchestra staff which is used to the retractable bottom mechanism (slide). The extremely sturdy design features all...



### Pull-Over Cover

It encloses the complete instrument and protects the whole mechanism and the pedal. Made from hard-wearing waterproof material and...



### Single-use Trunk

This case is the simple variant of a transport case and is only used to protect a timpani on its' way to the customer. (forkliftab...



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The production of a world class concert timpani requires the manual skill and a lot of know how that we gained in over 70 years of manufacturing. For us making timpani is tradition.

**The manufacture of the basic rak demands the highest precision**

The whole rack and especially the bowl support have to be tension-free and round so that the timpani will not contort and the bowl won't buckle. These are crucial prerequisites for brilliant sound and good intonation.

## **Forging the bowl is a science**

Besides the careful selection of the finest materials, a knowledge of the numerous different manufacturing techniques is necessary to obtain an equal thickness of the metal and to guarantee the roundness of the bowl. Over the decades we permanently optimized the dimensions of the bowls with regard to their shape. This and a special manufacturing technique create a warm and very voluminous sound. In addition each bowl of an AEHNELT Concert Timpani is hand hammered and compressed. One of the most difficult steps is the meticulous adaption of the bowl to the basic rack.

## **AEHNELT Timpani are not mass produced!**

All its 325 single parts are produced by hand with great thoroughness and attention to detail. The whole ball bearing mechanism is maintenance-free and manufactured from best tempered steel which is in addition hard chromed. The slide bearing grips the center bolt and is self-lubricating.

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