

## GB TUNED RESONANCE HEAD

### TABLE TENNIS BLADE FAMILY

if you catch you will get the message  
the blades of the 21st century

#### MIDSUMMER'S DAY

21st century June, 2007.

physics, aesthetics, geometry, anatomy, harmony



gb



"To make something new can not solve by anyone - no problem  
Do not recognize it's value - that is a problem"



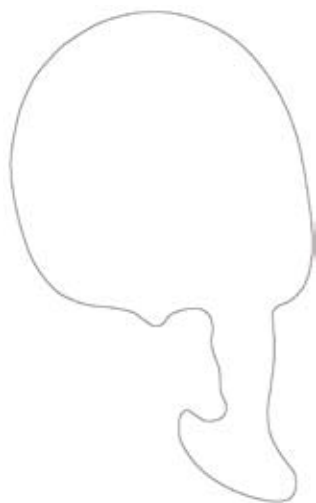
**GB** Blades are protected by patent in nearly 40 countries.

**GB** Blades are the first Hungarian rackets being added to the ITTF Museum in Switzerland.

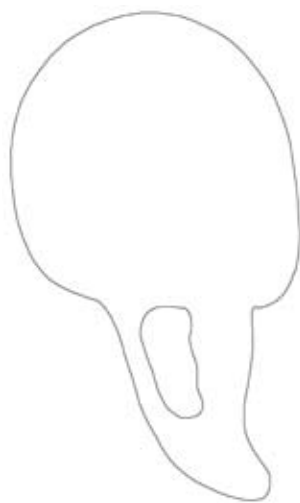


## THE GB TABLE TENNIS BLADE FAMILY

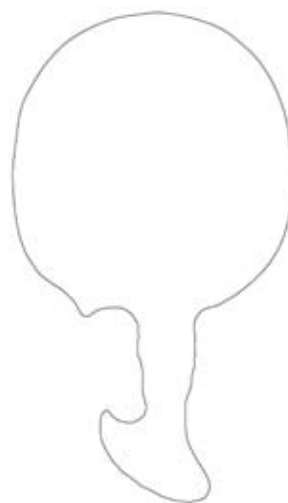
Science



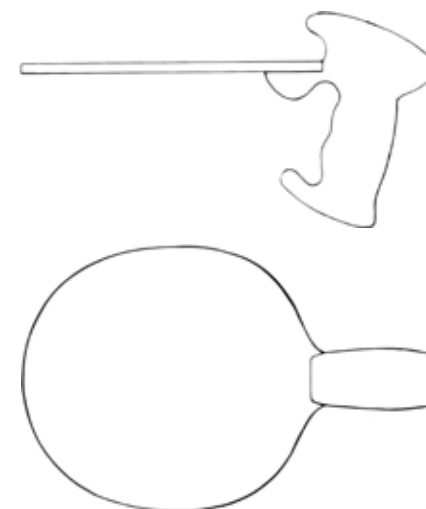
Tomorrow



Classic



Space (Penhold)





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## COMMENDATIONS OF THE CREATOR

We would like to give a 'new gun' in the hands of the table tennis fans, just reengineering the table tennis blade, which is unchanged for 80 years, considering anatomical, phisycal, geometrical, harmonical and esthetical points of view.

Our aim is to give Hungary world champions again, resuscitation of the traditions and to bring a new "golden age" to life.

Gábor Béla - Engineer  
Borsai Eszter - General Manager



## PRESENTATION OF THE GB BLADES

- Happened in Budapest, under support of the Hungarian Table Tennis Association
- On **Bátorfi Csilla** 's (9-times European Champion, 4-times 3. place on World Championship) farewell party, on the chinese-hungarian match,
- With the support of **Berczik Zoltán** (more timer European Champion, Medal-Winner on World Championships, trainer of the last Hungarian World Chamipon Team - Klampár, Jónyer, Gergely, honorary president of the Hungarian Table Tennis Association) and
- of **Juhos József** (vice-president, thechnical director)

the GB blades were presented in the hall, in the lime-light.

The GB blades were tested by competitors from the World Champions List.



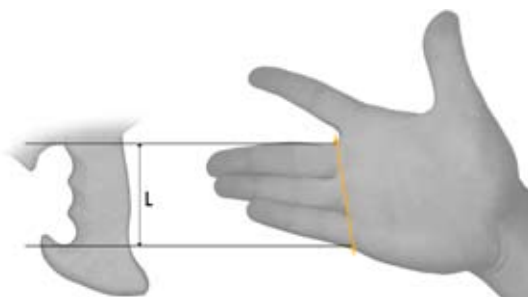
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## GB TABLE TENNIS BLADE FAMILY OVERVIEW

### 1. Science GB Blade

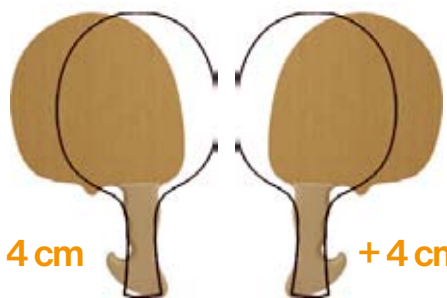


#### Professional blades

- 5 different size
- symmetric handle (left and right hand)
- asymmetric handle (left or right hand)

#### Hobby blades

- 2 different size
- symmetric handle (left or right hand)



+ 4 cm

+ 4 cm

1. less energy is needed to work with
2. has a very good balance
3. the blade is better to control and easier to coordinate
4. fits into the hand perfectly
5. you can return the hard accessible balls
6. the innovative handle makes the hand be aired
7. forefinger takes less place away from the backhand side of head
8. you manage to reach +4 cm distance range on forehand and backhand side, and therefore makes it easier to return the falled balls and those farer from the table
9. you can give a faster stroke



Backhand Side



Do not need to grasp it your hand, saving energy of the holding. It is important because you can better keep the blade under control and you can return the hard accessible balls



Forehand Side



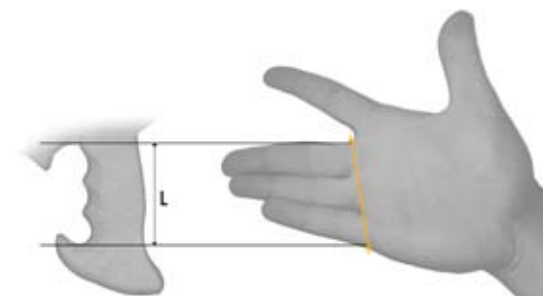
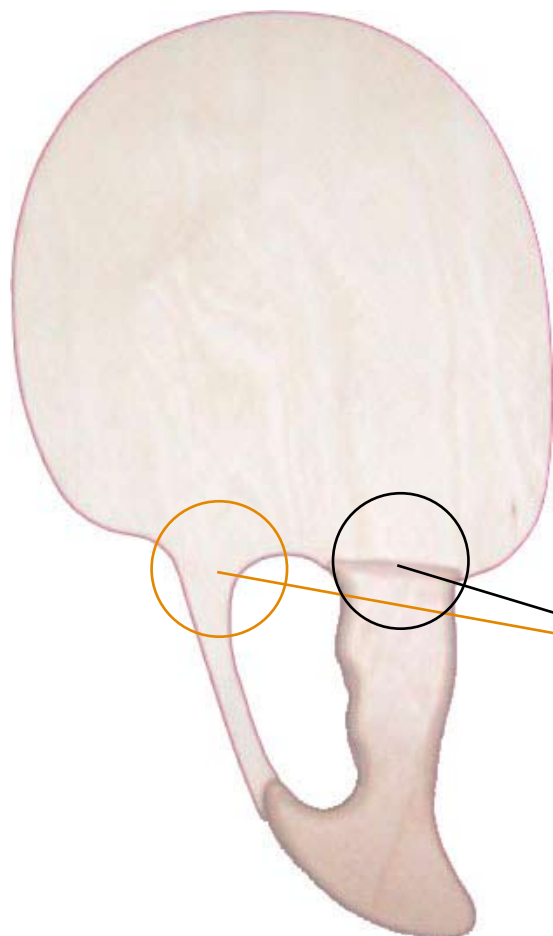
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## GB TABLE TENNIS BLADE FAMILY OVERVIEW

### 2. Tomorrow GB Blade



#### Professional blades

- 5 different size
- symmetric handle (left and right hand)
- assymetric handle (left or right hand)

#### Hobby blades

- 2 different size
- symmetric handle(left or right hand)

The head of the blade is connecting with 2 joint which results a homogene resonance on the whole head.

Therefore the bouncing ability of the ball is better and you can reach a better strike.

1. less energy is needed to work with
2. has a very good balance
3. the blade is better to control and easier to coordinate
4. fits into the had perfectly
5. you can return the hard accessible balls
6. the innovative handle makes the hand be aired
7. forefinger takes less place away from the backhand side of head
8. you manage to reach +4 cm distance range on forehand and backhand side, and therefore makes it easier to return the falled balls and those farer from the table
9. you can give a faster stroke



Forehand Side



Backhand Side





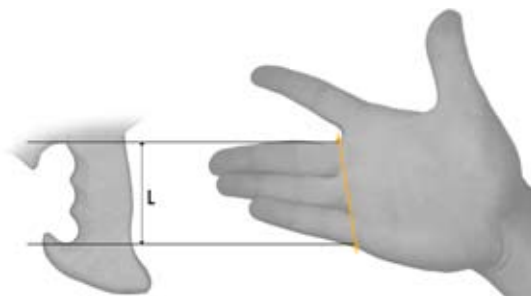
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### GB TABLE TENNIS BLADE FAMILY OVERVIEW

#### 3. Classic GB Blade



##### Professional blades

- 5 different size
- symmetric handle (left and right hand)
- assymetric handle (left or right hand)

##### Hobby blades

- 2 different size
- symmetric handle(left or right hand)

This blade gives an alternative to those players who would like to enjoy the benefits of th "GB" handle but decided to hang on the traditional blade.

1. - less energy is needed to work with
2. - has a very good balance
3. - the blade is better to control and easier to coordinate
4. - fits into the had perfectly
5. - you can return the hard accessible balls
6. - the innovative handle makes the hand be aired



Forehand Side



Backhand Side



Thanks to the innovative handle the blade is better to control and easier to coordinate even with open palm.



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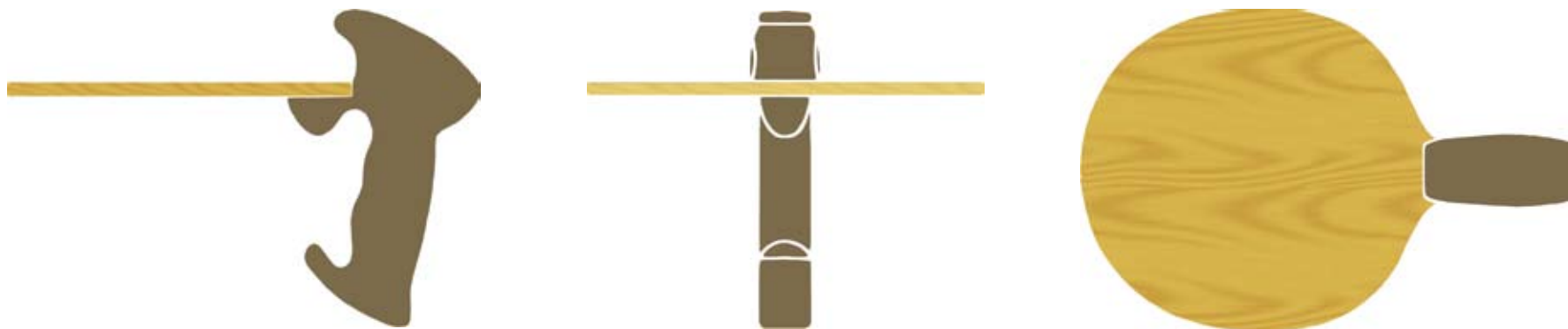
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## **GB TABLE TENNIS BLADE FAMILY OVERVIEW**

### **4. Space (Penhold) GB Blade**

Space (Penhold) Blade from different point of views



This blade is the combination of the traditional penhold racket and the innovative GB handle.

(Under construction at the moment)



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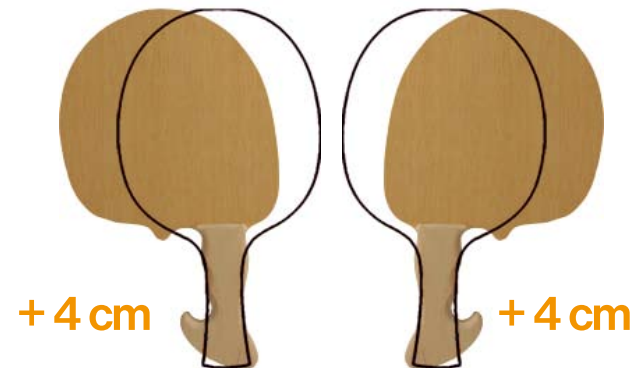
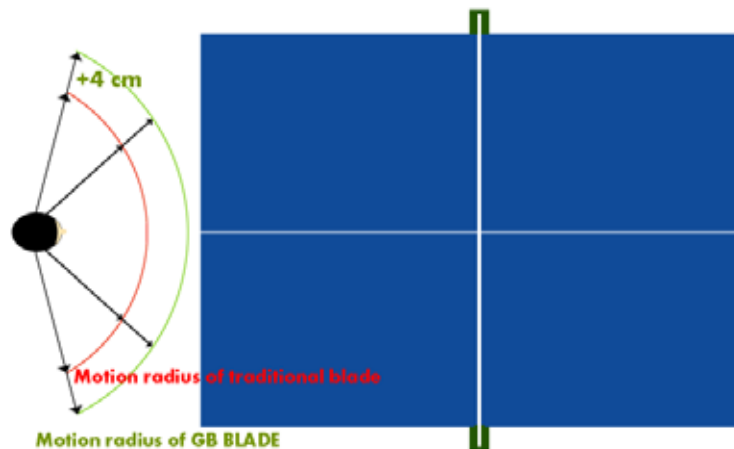
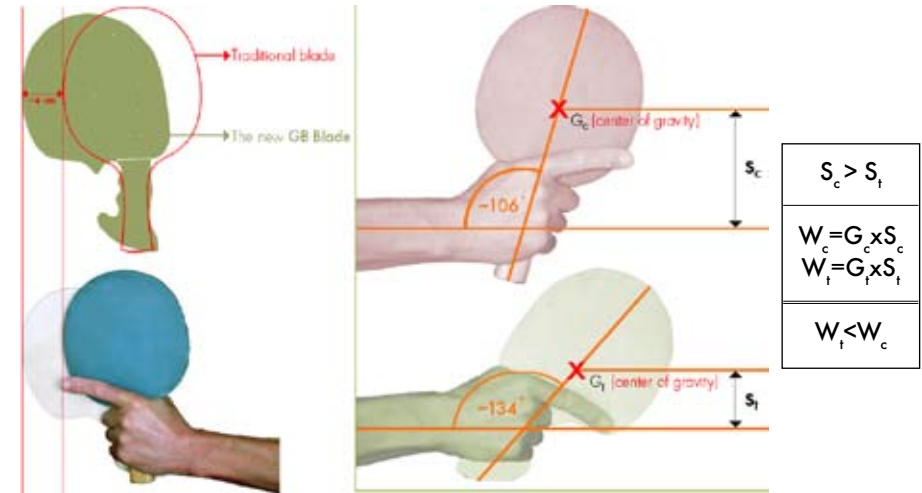
## BENEFITS OF THE GB TABLE TENNIS BLADE FAMILY

### THE DEVELOPMENT

#### Physical considerations

By the traditional blade the axle of the handle goes through the center of gravity. At „GB Blade“ the extended axle of the handle does not cross the center of gravity and it is angular with the blade's line of gravity.

1. Thanks to the slanted head of the blade, the center of gravity is located near the extended axle of the arm, therefore less energy is needed to work with it.
2. The center of gravity is nearer to the hand, resulting a very good balance, and the blade is easier to coordinate therefore the ball is better to direct.





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## BENEFITS OF THE GB TABLE TENNIS BLADE FAMILY

### Anatomical considerations – the hold of the blade

1. The blade fits into the hand perfectly, thanks the special handle with the curves, and resulting from the hollow, it leans against the little finger, so that you don't need to grasp it your hand, saving energy of the holding. It is important because you can better keep the blade under control and you can return the hard accessible balls.
2. The forefinger takes less place away from the backhand side of head of the GB blade. Differently from the traditional blade on the GB blade the fingertips don't exceed the blade, therefore the nerve endings contact with the surface of the blade, which is important in the directing.

### Benefits during the play

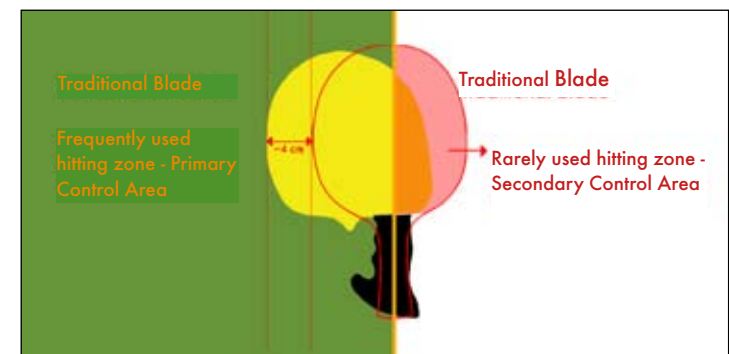
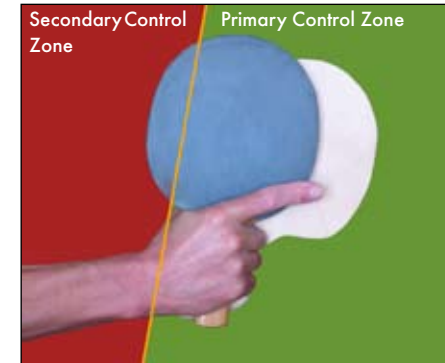
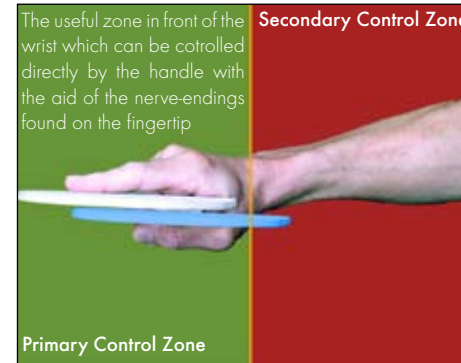
1. It is visible on the pictures, that if we place the traditional and the GB blade on each other, the GB blade is 4 cm wider on both sides, and therefore makes it easier to return the falled balls and those farer from the table. (The competitors know, that in some cases millimeters count.)
2. From the additional 4 cm-s results one more advantage: the speed on the outline is higher – resulting from the longer radius and bigger leverage – so that you can give a faster stroke. (basic principle of physics)

### Design

Tabletennis blades, unchanged for 70-80 years, are going to be replaced by GB BLADE, which is much more aesthetic and harmonical, than the traditional blade.



The speed on the outline is higher – resulting from the longer radius and bigger leverage so that you can give a faster stroke





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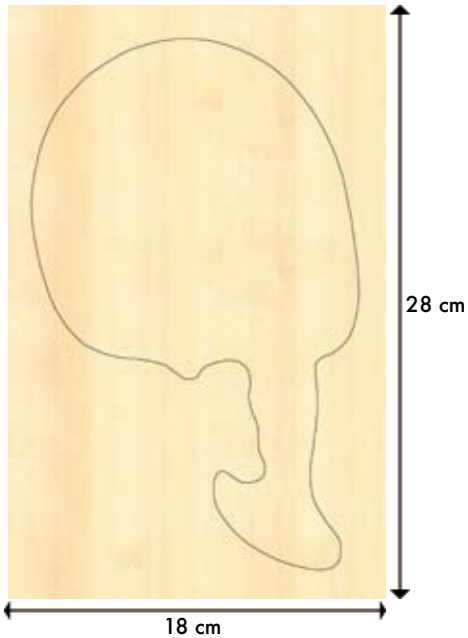
### MATERIAL OF THE COMPETITION BLADES



Light weighted tropical woods, combination of exotic and mediterranean woods with different elasticity

We offer 30 - 40 variants

A wide range of uncutted woods





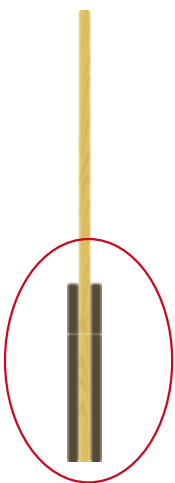

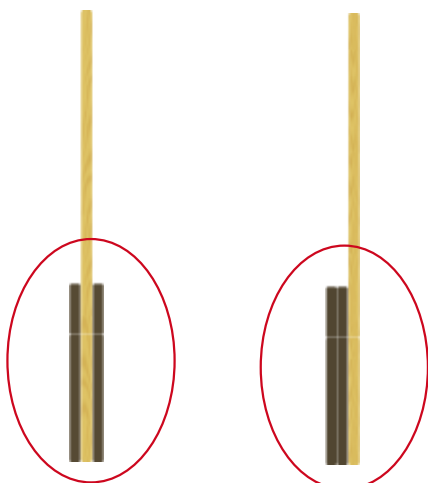

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**HOBBY RANGE**  
(2 different sizes)

**COMPETITION RANGE**  
(5 different sizes)

More than 40 combination (defensive, allround, offensive)

			
<p><b>Symmetrical Handle</b> Both for left and right-handed players</p> <p><b>Wood material</b></p> <ol style="list-style-type: none"> <li>1. Traditional laminated woods</li> <li>2. Solid mediterranean woods</li> <li>3. Colored unifoam and plastic</li> </ol>	<p><b>Head of the blade</b></p> <p><b>Wood material</b></p> <ol style="list-style-type: none"> <li>1. traditional laminated woods</li> <li>2. Solid mediterranean woods and exotic woods from a lower price level</li> </ol>	<p><b>Symmetrical handle</b> Fits both for left and right-handed players</p> <p><b>Asymmetrical handle</b> <b>Professional variant</b> Different for left and right-handed players</p> <p><b>Wood material</b> Tropical and mediterranean woods</p>	<p><b>Head of the blade</b></p> <p><b>Wood material</b> Combination of exotic, tropical and mediterranean woods</p>



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## HOLDER BOXES

Single



Double



We can place logos and names on the boxes



6 or 12 blades: Teams, Hotels etc





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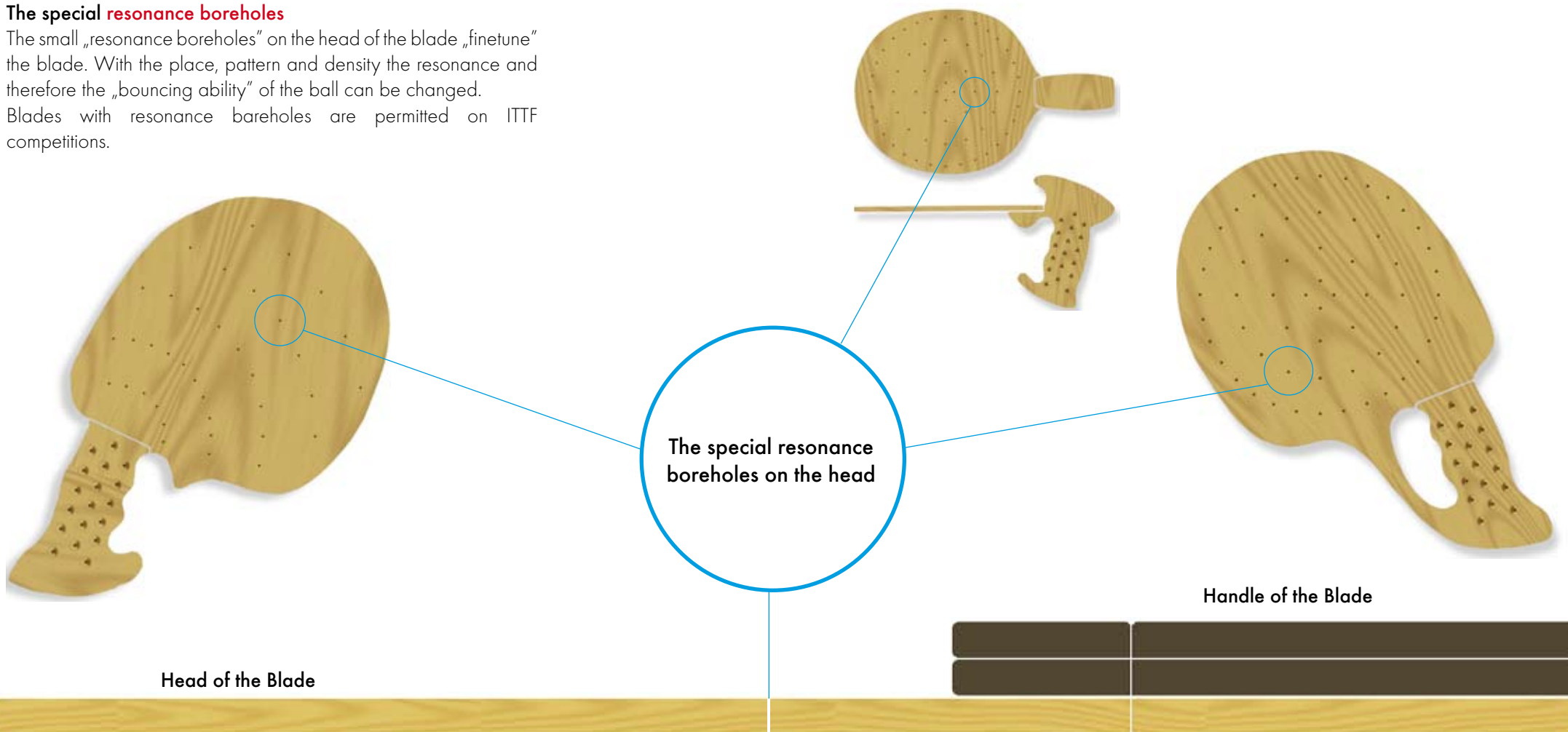


### RESONANCE BOREHOLES - OPTIONAL

#### The special resonance boreholes

The small „resonance boreholes” on the head of the blade „finetune” the blade. With the place, pattern and density the resonance and therefore the „bouncing ability” of the ball can be changed.

Blades with resonance boreholes are permitted on ITTF competitions.



Head of the Blade

Handle of the Blade