

 WIFA[®]
TECHNICAL GUIDE





General information about WIFA sizes

We use the same orthopedic lasts for **ice skates** & **roller skates**.

ICE SKATES

Children sizes are made on the „Picco“ last in French sizes (24-35). The jump per size is 7-8 mm. The Picco last is much wider than adult lasts. So when it comes to change from a „Picco“ to an adult last; please make sure to remeasure the feet of the young skaters.

For adult ice skating boots, WIFA uses two lasts with their respective widths. One is narrower (Reggi) and one wider (Ralf). Adult sizes are made in English half sizes for a more precise fit. The size difference is 4-5 mm. A toe space of at least 4 mm is recommended. The wifa roller skates are made on the wider last in one width only („C“ standard wide fit).

WIFA-SIZING ICE SKATES & ROLLER SKATES

You will realize that you might actually need a smaller WIFA size than your usual shoes. WIFA boots run big and your feet should have a rather snug fit.

Your feet are the most important reference we work with. On our website you can print out the insoles. In order to avoid mistakes due to transmission distortions, please remeasure the insoles after printing the insole sheets (A4- format) !

The insoles help a lot to determine the size as you can visualize how much toe space you need. If you have wide feet at the front (e.g. Roman foot shape), you will need more toe space since the WIFA boots are slightly narrower at the toe cap. If you have narrower feet and a Greek or Agyptian foot shape, you will need less space for a snug fit. But please leave at least 4 mm comfort toe space to be on the safe side - unless you can try them on in a shop.

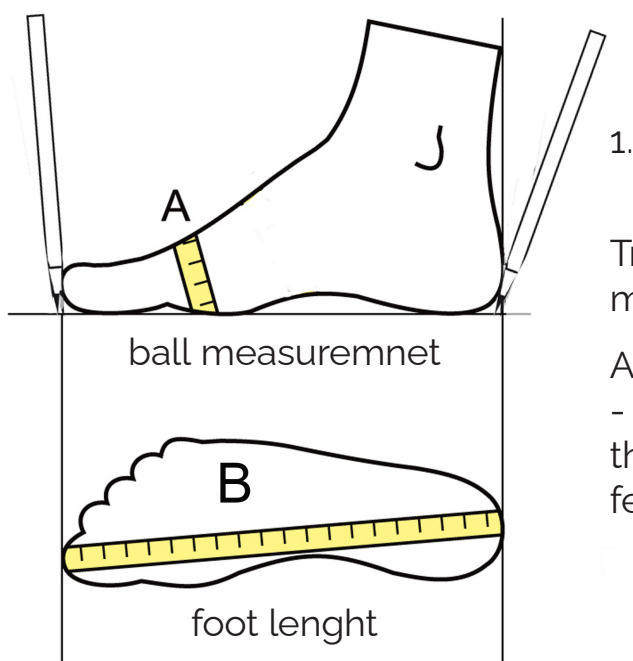
ROLLER SKATES

Please watch our video tutorial that you will find on our website for foot measurements and size selection.

WIFA SIZES & WIDTHS

Figuring out the right size and width

To find out your fitting boot size and width, the feet should be measured. All you need is a pencil, a sheet of paper and a tape measure.



Trace the foot on piece of paper. The skater must remain seated, knee angled at 90°.

As feet often differ, please measure both feet - the most difficult part is around the back of the heel - make sure to trace the base of the feet.

2.



Measure the length of each foot and the ball using a fabric measuring tape and then choose the right size and width on the sizing tables. You will find some fitting examples on each table.

What width is ideal for your foot shape?

ICE SKATES & ROLLER SKATES

Children's Picco lasts (24-35) are far wider than adult lasts as you can see on the picture. So please make sure to remeasure the feet of the young skater when growing out of the children size 35.

Foot problems like bunions (hallux valgus) overlapping toes, high insteps, etc. should be taken into consideration in the fitting procedure.

In case of bunions (e.g. hallux valgus) a heat molding of the boots is recommended. It will remove pressure points in no time.



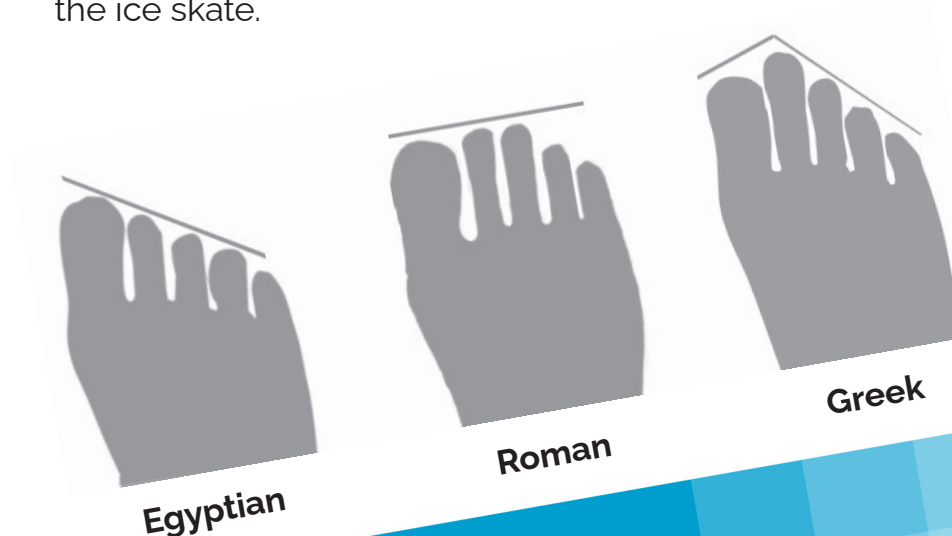
ICE SKATES

Reggi (widths M, L) is the narrower last - has a higher instep and more pointed toe part - suitable for the so called „greek“ foot shape.

„Ralf“ last (LL, C, CC) is wider at the foot basis and also a bit rounder at the front (toe cap). This last is more convenient for Egyptian and Roman foot shapes.

ROLLER SKATES

Roller skates are only made in a wide width „C“ on „Ralf“ lasts because the foot needs more air to breathe in the warmer season. In the ball area, the WIFA roller skate has a thin, breathable reinforcement and is therefore much more stretchy than the ice skate.



WIFA SIZES & WIDTH

How much toe space is to be given?

ICE SKATES

The toe space will depend on three main references: skating level, age and the foot shape.

Example: a very small child doing the first outdoor figure skating course will be fine with a larger, comfortable fit allowing space for growth. The same applies for adult leisure skaters. A competition skater who performs all single jumps needs a tighter fit.

If the foot is very wide in the front, the dealer will add some more space to avoid that the toes are squeezed. Please find the sizing charts on the last pages with fitting examples.

ROLLER SKATES

With a Roman foot shape, the toe space should be somewhat larger. Here, too, the rule of thumb is: the wider the foot is at the front, the more toe clearance it needs, because the WIFA last tapers slightly at the front. Important information about sizing roller skates can be found in the roller skate catalog on page 39.

Heat molding with our WIFA fitting oven



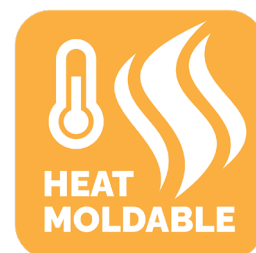
ICE SKATES

Lots of specialized shops have a special fitting oven and provide a free heat molding service for each pair they sell. Generally no heat molding is necessary for leisure and beginners boots unless the skater has tender feet or foot problems. Since WIFA uses very thick leather the temperature used for heat molding is very high compared to other brands. Heat molding is a very easy method to provide a perfect fit and avoid pressure point from the beginning.

The WIFA fitting oven THERMOFLEX (230 VAC 50 Hz, max. temperature 100°C) can be applied for any kind of heat moldable boots. Very easy to handle with a simple timer. Dealers are welcome to purchase this oven from us.

Recommendations for WIFA models:

PRIMA & INTI	5-10 min (70-80°C)
PRIMA INTERMEDIATE	10 min (80°C)
CHAMPION LIGHT	12 min (80°C)
CHAMPION REINFORCED	15 min (100°C)



During the heat molding process the boots get very soft and moldable. After the right heating time, take them out and help the skater to lace them.

Leave laces very loose in the ball area if you want to widen the boots or if the skater has any foot problems in the toe area. But, if you want to make boots narrower, lace very tightly in the ball area.

Important! The skater must remain seated until the boots cool off (30 min).

ROLLER SKATES & ICE SKATES

We do not recommend to heat mold NUBUCK boots or boots made of Suede leather.

WIFA SKATES CARE INSTRUCTIONS

ROLLER SKATES & ICE SKATES

Like all quality products, WIFA boots deserve the best possible care.

All feet sweat during training - some more than others, and even though the boots are made of breathable leather, they can get very damp inside.

After a training session the boots should be carefully dried inside and outside. They should not be left in a plastic bag longer than necessary. Skating bags should only be used for carrying boots home. Skating boots should never be put on top of, or near to a radiator, or in the sun. They should be left in a well ventilated place. If the boots are very damp, please use moisture absorbing products like „boot bananas“.

The right care of the upper material

The very thick split leathers used for [ice skates](#) have an easy-care and water-repellent polyurethane coating. Dirt can be easily removed with warm water and mild soap. Please do not use aggressive cleaning products. Our protective caps or tape can be used to prevent scratches on the boot cap. If there are already scratches, please cover them with high quality white acrylic paint (color titanium) and spray a water-soluble colourless varnish over it or apply with sponge.

[Ice skates](#) or [roller skates](#) made of NUBUCK leather can become greasy over time if they are not adequately cared for. Use a nubuck rubber brush to clean the boots. Leather color can be freshened up with a nubuck spray.

Our NUBUK boots are water-repellent (hydrophobic), but please imprignate after longer use. All care products mentioned above are available in every well-stocked specialist shoe shop or on the Internet.

Its important to check that the screws on the blades are still tight, as otherwise moisture can penetrate the leather and cause damage.

Care of soles, blades, wheels and plates

ICE SKATES & ROLLER SKATES - the right care of the sole

Although the soles are waxed abrasion marks develop over time, especially when skating on edges. These should be covered with natural wax or transparent shoe balm so that no moisture penetrates. Do not use varnish as leather needs to breathe.

ICE SKATES - the right care of the blades

The blades should be sharpened by a professional as soon as the blades lose their grip, i.e. when the edges become blunt and you slip off the ice.

Please check occasionally whether the blade screws are tight.

Blades should always be dried well after use so that rust cannot form on the sharpened surface. Residual moisture can be absorbed by using fabric protectors (soakers).

ROLLER SKATES - the right care of the wheels

We use shielded ball bearings on the outside to protect them against dirt. When skating in rainy weather, moisture can nevertheless penetrate the ball bearings, which inevitably leads to rust formation. If you are caught in the rain, place the wheels in the sun to dry. If necessary, treat the ball bearings with thin lubricating oil. A rust remover (WD 40) can be used to loosen small rust formations. If the ball bearings are heavily rusted, they must be cleaned or replaced.

ROLLER SKATES - the right care of the plates

Please always check that all components of the frame are screwed tight. The adjustable toe stops can be fixed with a drop of Loctite or nail polish.

The stability of a frame can be changed by loosening or tightening the kingpin nuts and by using cushions of different hardness.

WIFA SKATES CARE INSTRUCTIONS

General information on mounting

ICE SKATES

The blades are aligned with the utmost precision on the longitudinal and transverse axes, whereby the front seam of the boot cap is not taken as a point of alignment but rather the centre of the sole. As the boots are hand-lasted and the soles are hand-made, there may be slight deviations.

After fine-tuning, the blades are screwed to the soles, deliberately leaving some holes free at both, the heel and the ball of the foot, for remounting or additional fixing of the blades.

If some screws become loose over time, they should be retightened. Additional screws can be placed in the free spots. If the holes of several screws are worn out, they should be filled with wooded dowels so that the screws can be reinserted in the same place.

WIFA mounts flush at the front and indented at the back 5 to 8mm depending on the size. If you prefer a flush mounting on both sides (end-to-end mounting) in order to be able to use the blades for the next size, please advise in writing.

General information on mounting

ROLLER SKATES

We make a full assembly suitable for all skating styles.

When mounting, we follow our mounting recommendations and size chart. The plates are mounted flush at the heel and indented at the ball of the foot and slightly offset outward. This is about the center of the soccer, not the shoe.

For STD plates and Avenger (Suregrip), we take the shorter frames because most skaters use them for dancing and they should be more indented at the front (7-15mm) to be more agile. For Avanti (Suregrip) and SUNLITE plates we take the longest possible frame size to ensure the highest possible stability.

Mounting instructions

Rear (heel): 2 pull-through screws, 2 long screws (length 25 mm)

Front (ball): 2 pull-through screws (20 mm) + 2 screws (16 mm)

ATTENTION!

If you wish a different way of mounting, you need to let us know in writing.

Inside the boot - at the heel - there are screws, which are very important for the stability of the heel.

The upper is glued to the sole with high pressure and additionally screwed to the heel. So these long screws must not be removed! In case they are hindering when mounting the plate, they must be screwed back in slightly offset.

WIFA ADJUSTMENT SHEET

LEFT FOOT

foot length
ball measurement

.....(cm)

.....(cm)

RIGHT FOOT

foot length
ball measurement

.....(cm)

.....(cm)

