

WIFA®



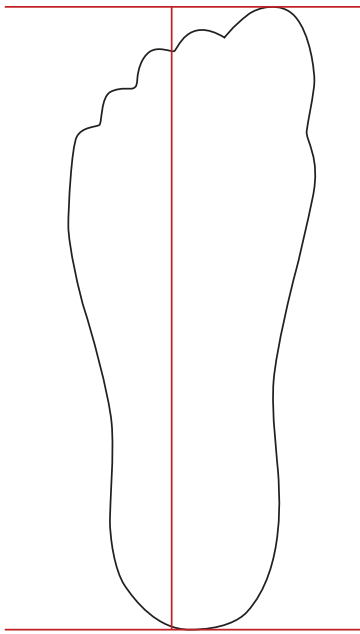
technical guide



Intec: how our new model is built!



How to measure the feet and choose the right size and width



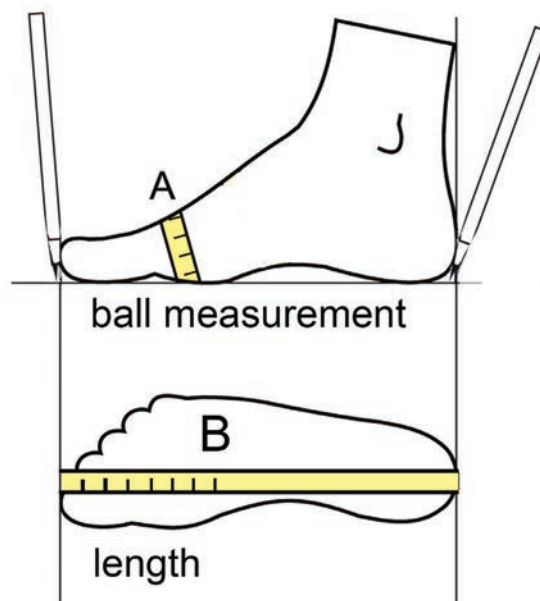
1. trace the foot on a A4 sheet - sitting position, knee = 90° angle
As feet often differ, right and left foot should be measured - the most difficult part is round the back of heel - you need to trace the bottom of the feet.
2. Measure the length of each foot and the ball using a fabric measuring tape and then choose the right size and width on the table. Regarding the toe space, some fitting examples will help to understand how to proceed.

About sizing in general

French sizing is from 24-47 in full sizes only. We apply French sizing for three leisure models - Outlet, Prima Hobby, and Comfort.

The other models - from Prima upwards - have mixed systems:

children sizes 24-35 are mainly still in French sizing as toe space is bigger allowing space for growth. Adult English sizes 3-12 are used where a tighter fitting is needed.



IMPORTANT

Children's picco lasts (24-35) are far wider than adult lasts as you can see on the picture. So when it comes to change from a picco last to an adult last. Please make sure to remeasure the feet of the young skater.



Too large a fitting does not provide sufficient support within the boot, causing loss of stability and premature break down of the boot. If the wrong model or the wrong size is chosen it will be considered when dealing with claims.

Foot problems like bunions (hallux valgus) overlapping toes, high insteps, etc. should be taken into consideration in the fitting procedure. In the case of dropped arches or flat feet WIFASANA special insoles are recommended. In case of a strong bunion (hallux valgus) - **heat molding** of the boots are a must.

What is the right width for your foot shape?

WIFA uses two lasts for adult sizes: Reggi and Ralf.

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 rounder in the front. This last is more convenient for feet that are more like the Egyptian and Roman foot shapes.



Egyptian



Roman



Greek

How much toe space is to be given?

The toe space will depend on three main references: skating level, age and the foot shape. A very small child doing the first outdoor figure skating course will be fine with a larger, comfortable fit allowing him to wear thicker socks. The same applies for adult leisure skaters. A 10 year old competition skater who performs double jumps needs a tighter fitting - from 5 to 8 mm).

If the skater's foot is very wide in the front, the dealer will add some more space to avoid that the toes are squeezed - specially when it comes to change to adult sizes as the adult lasts have a more elegant thus narrower toe part than the children lasts (see pic. children and adult last). Skaters have become very sensitive and specially in the toe and ankle area. Heat molding is a very easy method to avoid any pain from the beginning. Please find the different sizing charts on the last pages.

Lots of specialized shops have a special fitting oven and provide this 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 with our WIFA fitting oven!



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.

Recommendations for WIFA models:

Prima & Prima Hobby	5-10 min	(70-80°C)
DLSkatec/Comfort/Prima Int/Intec	10 min	(80°C)
Champion Light boots	12 min	(80°C)
Champion Reinforced, DL Goldstar/Diamond	15 min	(100°C)

During the heat molding process the boots get very soft and moldable. Heat molding should be done with blades mounted to avoid distortion of the boots. 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.

The skater must remain seated until the boots cool off (30 min). His legs should be at a 90° angle. In the ankle area lacing should be tight but do not pull too hard - otherwise hooks might get loose.

All you need to know about WIFA-leather skates

Custom Fitted from the factory - a service for skaters with foot problems

If your feet have very pronounced bunions (hallux valgus) or if you have a narrow heel but splay feet or any other foot problem that cannot be solved by the heat moulding treatment you can have your boots preshaped by us when ordering the pair directly at our factory.

Extra foot support needed?

Nowadays most feet require some orthopaedic extra support under the metatarsal and plantar arches. When measuring, check for dropped arches or flat feet and if this is the case, order Wifasana insoles, which may only be worn with WIFA boots. Remove the existing inner sole and replace with the correct Wifasana size. The use of these insoles will lift up the foot, making it slightly narrower and shorter. The dealer may find other adjustments to be necessary.

Care of the Boots

Like all quality products, WIFA boots deserve the best possible care and even children can be taught to look after their own boots.

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 training 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 from the rink to home. Skating boots should never be put on top of, or near to a radiator, but left in a well ventilated place.

If the boots are very damp, they can be stuffed with newspaper to absorb the damp.

Do not use an abrasive cleaner instead gently wipe off any dirt with a soft damp sponge.

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

The soles have been waxed but in time rubbed places should be waxed again to prevent damp seeping in. Do not use varnish - this could trap the damp inside and cause mildew. Moisture can penetrate and cause damage.

Breaking in the boots

Allow your new boots time to break in and conform to your feet.

Do not attempt to do all the jumps, spins and deep knee bends until your boots are ready. Undue pressure on the leather can cause your boots to break down prematurely.

Unfortunately, there are times especially if there has been a boot change before a Championship when there is no time to break the boot in carefully. Forward planning therefore is recommended.

size & width chart 24-35

A very small child doing the first outdoor figure skating course will be fine with a larger, comfortable fit allowing him to wear thicker socks. The same applies for adult leisure skaters.

widths	
S	SUPER NARROW
M	NARROW
L	STANDARD
LL	WIDE

French sizing system - full sizes to allow space for growth.

size EU	length (B)		ball measurement (A)			
			S	M	L	LL
24	16,20	cm	16,30	16,60	16,90	17,50
25	16,90	cm	16,50	16,90	17,30	18,00
26	17,50	cm	16,70	17,30	17,60	18,50
27	18,10	cm	17,20	17,60	18,10	19,00
28	18,80	cm	17,40	18,10	18,50	19,50
29	19,40	cm	17,80	18,50	18,90	20,00
30	20,10	cm	18,20	19,00	19,30	20,50
31	20,80	cm	18,80	19,50	19,80	21,00
32	21,40	cm	19,40	20,00	20,40	21,50
33	22,10	cm	19,80	20,60	21,00	22,00
34	22,80	cm	20,20	21,20	21,50	22,50
35	23,40	cm	20,60	21,80	22,00	23,00

FITTING EXAMPLE

age: 6 years
 foot length: 17 cm
 ball measurement: 18 cm

first figure skating course = size 27, width L

toe space : 18,1 cm - 17 cm =

1,1 cm

pure leisure skating = size 28, width L or LL

toe space : 18,8 cm - 17 cm =

1,8 cm

size & width chart 36-47

French sizing system - full sizes to allow space for comfort for skaters with sensitive feet and outdoor skaters.

Wide comfortable C - wide, CC - extra wide.

EU size	length (B)		ball measurement (A) in cm	C	CC
36	23,50	cm		22,30	23,30
37	24,70	cm		22,80	23,80
38	25,20	cm		23,00	24,00
39	26,00	cm		23,50	24,50
40	26,50	cm		23,80	24,80
41	27,20	cm		24,30	25,30
42	27,70	cm		24,50	25,50
43	28,50	cm		25,00	26,00
44	28,90	cm		25,30	26,30
45	29,30	cm		25,50	26,50
46	30,10	cm		26,00	27,00
47	30,90	cm		26,50	27,50

FITTING EXAMPLE

age: adult
 foot length: 25,5 cm
 ball measurement: 24 cm

figure skating course 39 C

toe space : 26 cm - 25,5 cm = 5 mm

leisure outdoor skating 40 C

toe space : 26,5 cm - 25,5 cm = 10 mm

size & width chart 1-2 ½

Champion Light children

The higher the performance level, the tighter the fitting should be.

	NARROW
	STANDARD (reggi)
	STANDARD (ralf)
	WIDE

English sizing system - full and half sizes for a tighter fit.

size equiv length (B) UK FR				ball measurement (A) -> 4 WIDTHS				
				M	L	LL	C	cm
1	32	21,8	cm	19,00	20,00	20,00	21,00	cm
1½	33	22,3	cm	19,30	20,30	20,30	21,25	cm
2	34	22,7	cm	19,55	20,50	20,50	21,50	cm
2½	34½	23,1	cm	19,80	20,75	20,75	21,75	cm

FITTING EXAMPLE

age: 8 years
 foot length: 21,7 cm
 ball measurement : 18,5 cm
 skating level: double jumps, first triples

tight fit = size 1½, width M
 toe space : 22,3 cm - 21,7 cm = 6 mm

normal fit = size 2, width M
 toe space : 22,7 cm - 21,7 cm = 10 mm

size & width chart 3-12

English sizing system -
full and half sizes for a tighter fit.

	SUPER NARROW
	NARROW
	STANDARD
	WIDE
	EXTRA WIDE

size UK	equiv FR	length (B)		ball measurement (A) cm -> 5 WIDTHS					cm
				M	L	LL	C	CC	
3	35	23,5	cm	20,00	21,00	21,00	22,00	23,00	cm
3½	36	23,9	cm	20,30	21,30	21,30	22,30	23,30	cm
4		24,3	cm	20,60	21,50	21,50	22,50	23,50	cm
4½	37	24,7	cm	20,80	21,80	21,80	22,80	23,80	cm
5	38	25,2	cm	21,00	22,00	22,00	23,00	24,00	cm
5½		25,6	cm	21,30	22,30	22,30	23,30	24,30	cm
6	39	26,0	cm		22,50	22,50	23,50	24,50	cm
6½	40	26,5	cm		22,80	22,80	23,80	24,80	cm
7		26,8	cm		23,00	23,00	24,00	25,00	cm
7½	41	27,2	cm		23,30	23,30	24,30	25,30	cm
8	42	27,7	cm		23,50	23,50	24,50	25,50	cm
8½		28,1	cm		23,80	23,80	24,80	25,80	cm
9	43	28,5	cm				25,00	26,00	cm
9½	44	28,9	cm				25,30	26,30	cm
10	45	29,3	cm				25,50	26,50	cm
10½		29,7	cm				25,80	26,80	cm
11	46	30,1	cm				26,00	27,00	cm
11½		30,5	cm				26,30	27,30	cm
12	47	30,9	cm				26,50	27,50	cm

FITTING EXAMPLE:

Age: 10 years

Length of foot: 23,2 cm

Ball measurement: 20 cm

If the skater is beginner but still growing you can order an English size 4 (24,3-23,2= toespace 11 mm). For beginners this toe space is the average.

Competition skaters would rather go for a go for a 3½.

WIFA Fitting Sheet

Important! Please always provide length of foot and ball measurement in cm!

Left Foot

ball circumference.....cm

length of foot.....cm

Right Foot

ball circumference.....cm

length of foot.....cm

