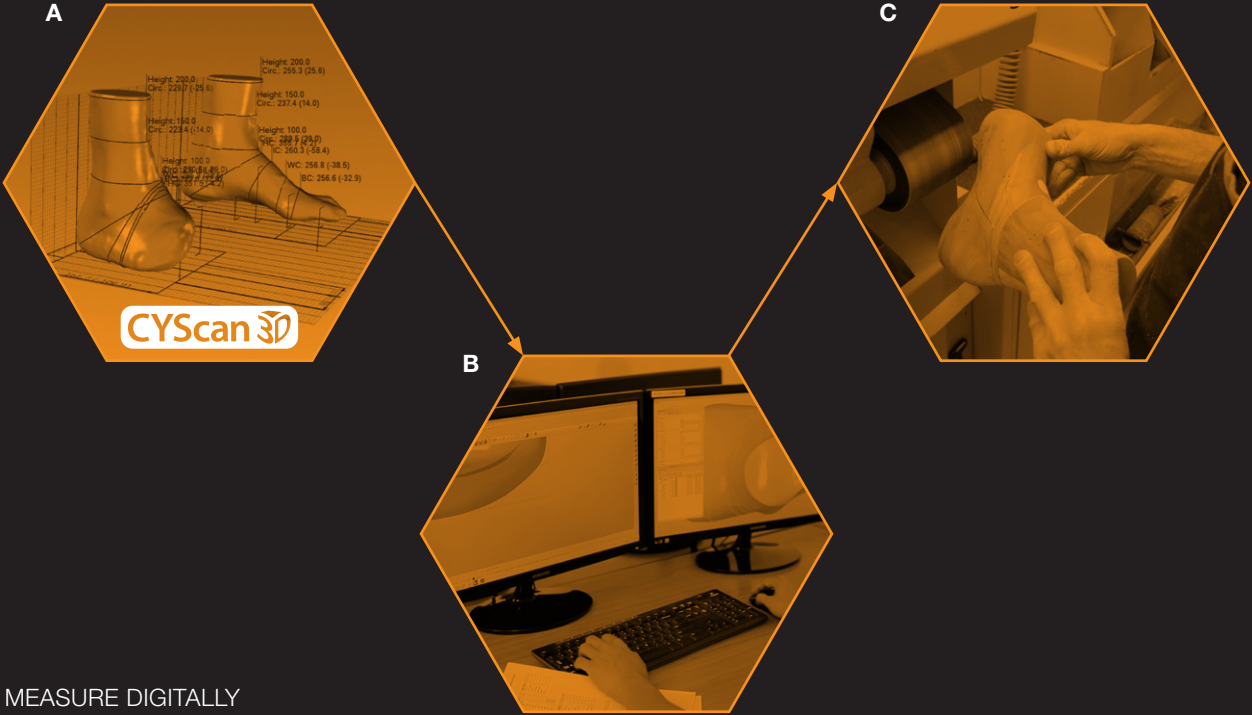




1 | ORDER YOUR LASTS

Our CYScan solutions offer you digital capture methods which can quickly, cleanly and accurately scan the foot, saving time and inconvenience for your clients. Alternatively, you can send us any STL file. Our Cad-Cam department has extensive experience in designing lasts, using the latest software, to help you provide a shoe that fits. However you can also send plaster casts or your own finished last. Please read carefully in this chapter which extra information and details we might need to design the perfect lasts.

LAST SOLUTIONS



A | MEASURE DIGITALLY

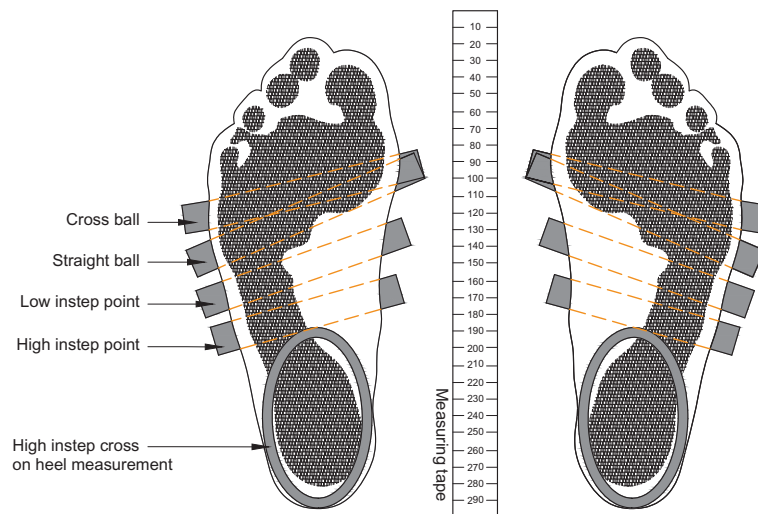
B | LAST DESIGN

C | MILLING / SANDING LASTS

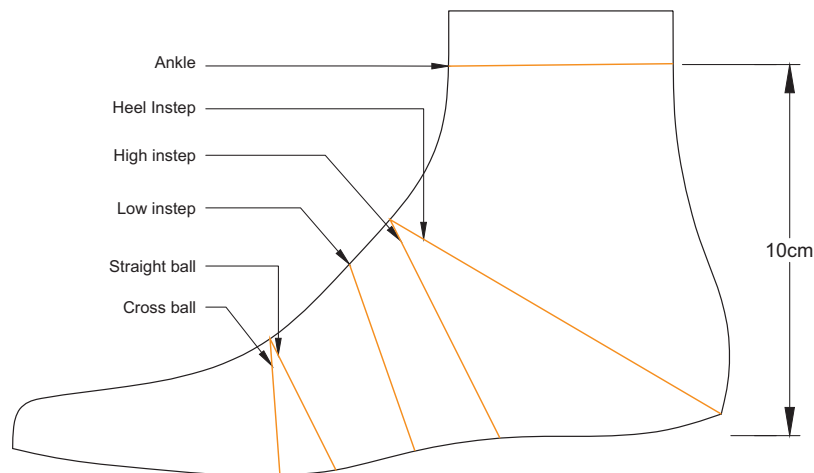
1.1 | REQUIREMENTS FOR LASTS

You can use multiple scanning systems in order to submit your foot scan. It is also possible to send your physical (plaster) casts or synthetic casts which we will scan for you. If you send us physical products or use any scan system other than our CYScan concept, we kindly ask you to send a number of extra references and dimensions. Please contact us for the protocol in order to upload your files.

BLUE PRINT WITH MEASURING TAPE

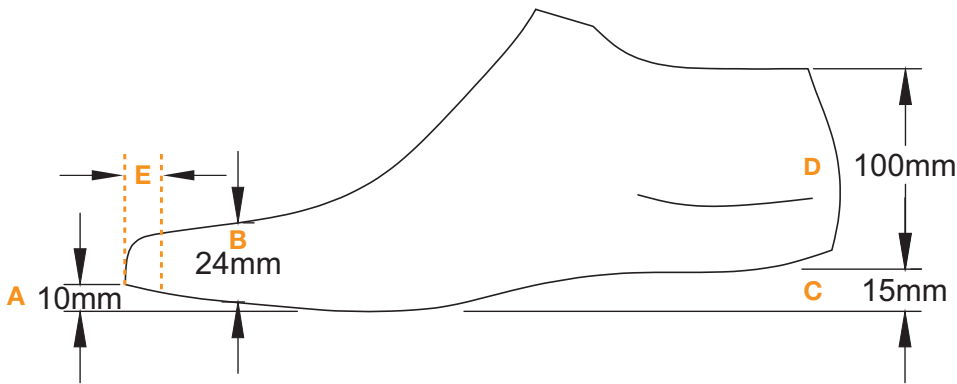


CIRCUMFERENCE MEASUREMENTS



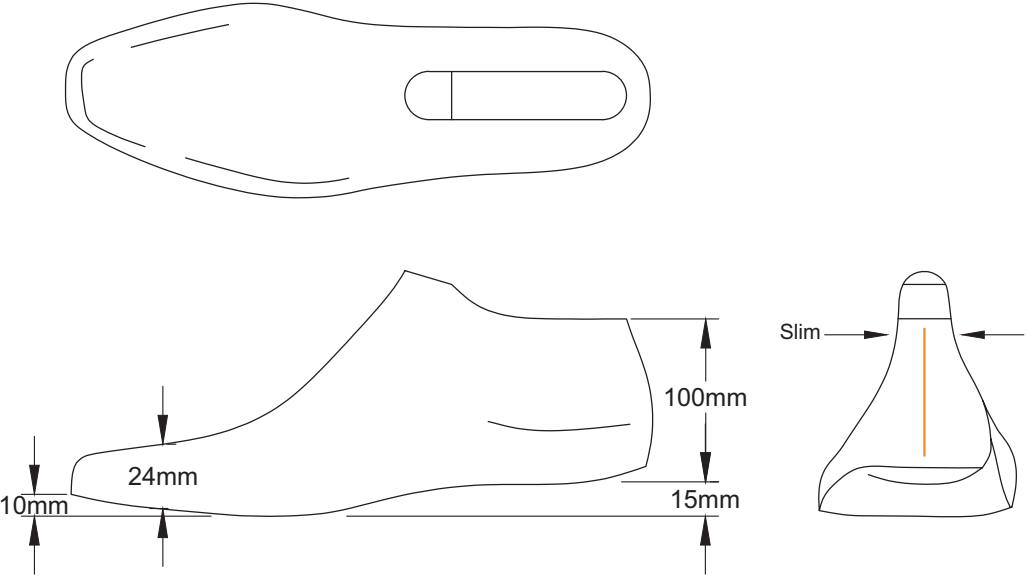
1.2 | TYPES OF LASTS

TERMINOLOGY	DEFAULT VALUES CAD-CAM
A Toe Jump	10 mm
B Toe Height	24 mm
C Heel Height	15 mm
D Height of Last	100 mm
E Overlength	16 mm

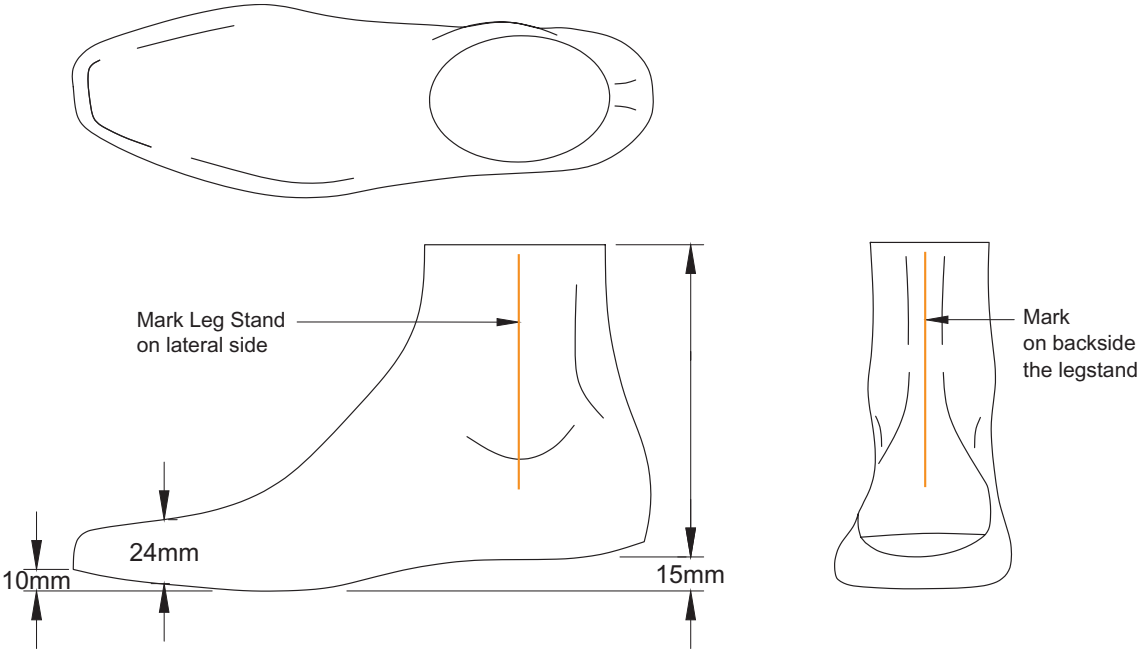


TYPE OF LAST	HEIGHT	INFORMATION
Low Last	Depends on foot length	For low shoes
Medium High Last	15 cm	For high shoes
High Lasts	From 16 - 35 cm	For boots with high reinforcement in shoe
Extra High Last	From 36 cm and higher	For boots with high reinforcement in shoe
Low Last for Boots		Last with additional instep / heel cap / last extension
Netto Last		Last without space of inlay
Gross Last		Complete netto last, included inlay

LOW LAST



MEDIUM / HIGH / EXTRA HIGH LAST

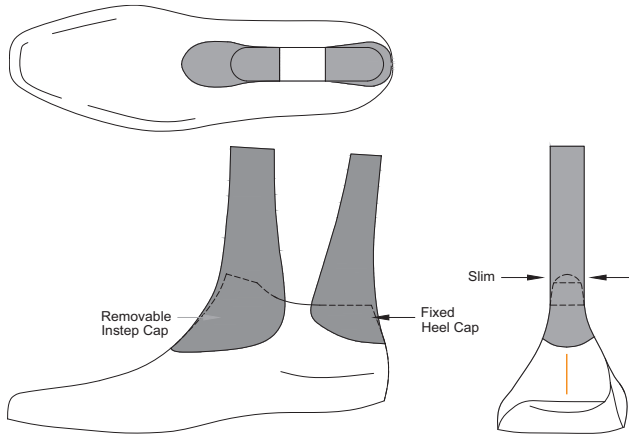


INSTEP, HEEL CAP, LAST EXTENTION

If a higher upper is requested on a low last, we add an instep cap, a heel cap, or a combination of both on top of the last.

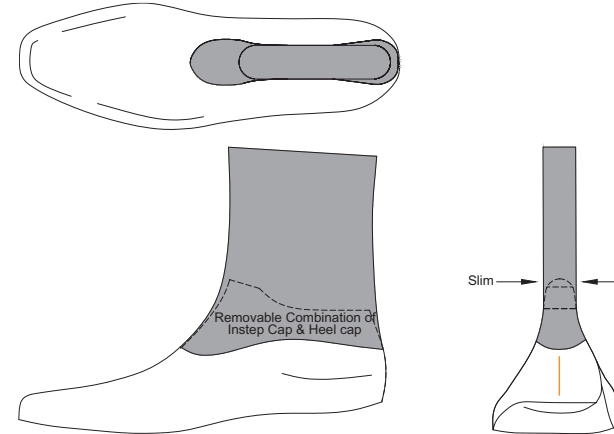
INSTEP AND HEEL CAP

Max height until 160 mm.



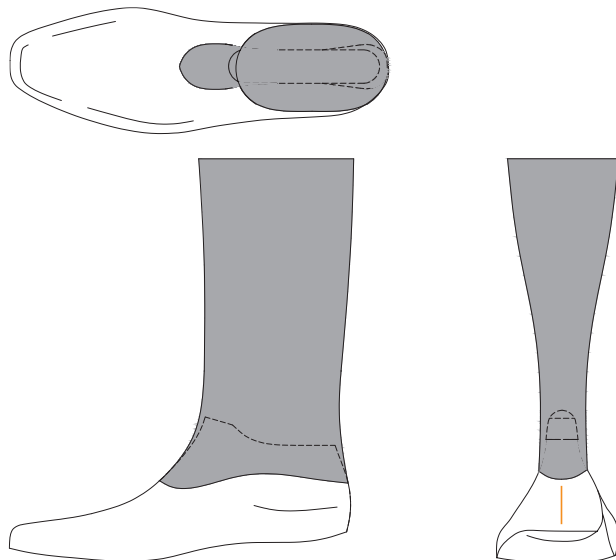
COMBINATION OF INSTEP AND HEEL CAP

160 mm - 250 mm height.



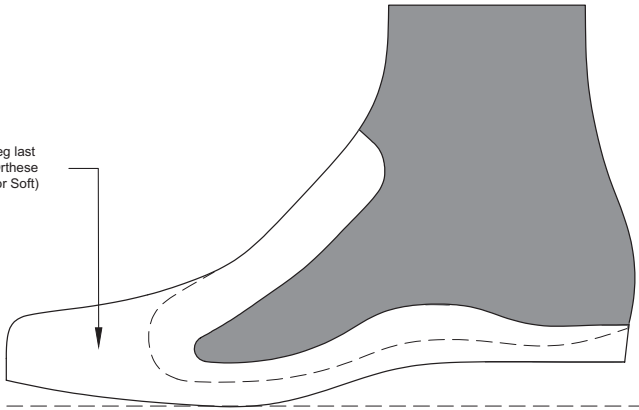
LAST EXTENSION

As of 250 mm and higher.

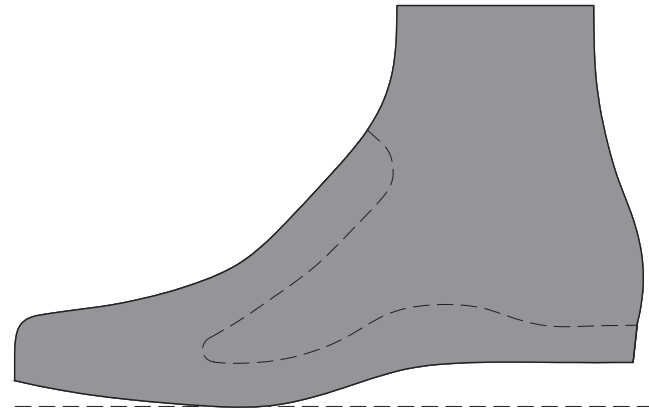


NETTO LAST

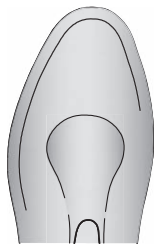
High leg last
Inlay Orthese
(Hard or Soft)



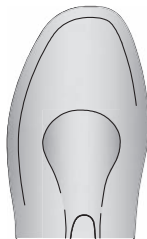
GROSS LAST



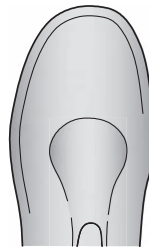
TOE MODELS



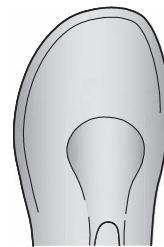
1. Round



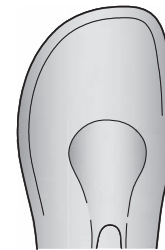
2. Moderate Round



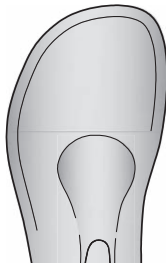
3. Wide Round



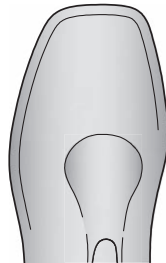
4. Easy Foot Shape



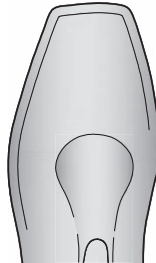
5. Common Foot-Shape



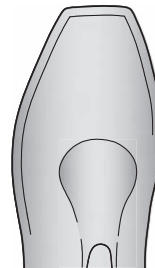
6. Duck Foot-Shape



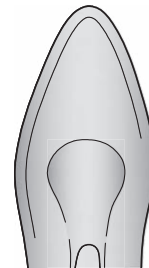
7. Wide Square



8. Slim flat Square



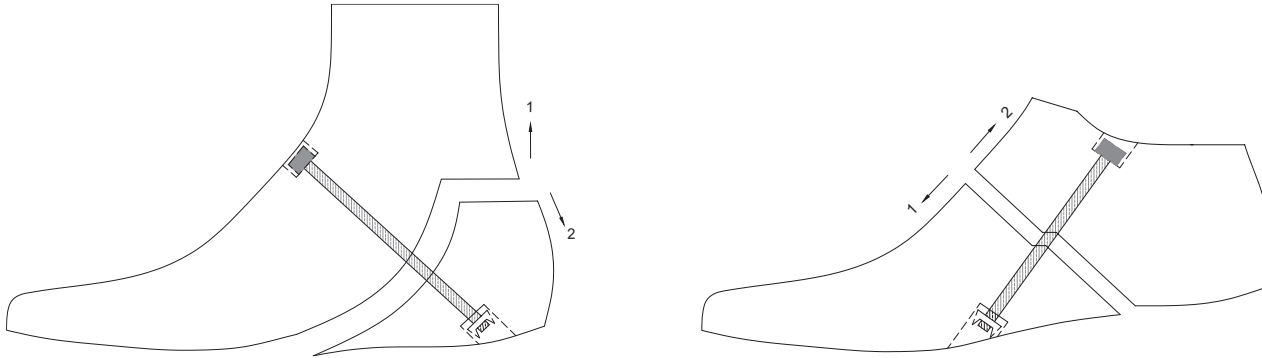
9. Tip Edged Square



10. Pointed

LASTS CUT IN 2 PIECES

The final last is always cut into two pieces. The client's reference and last number are laser printed on the last.



1.3 | OWNERSHIP

Our customer is the owner of the digital last design and the associated physical lasts.

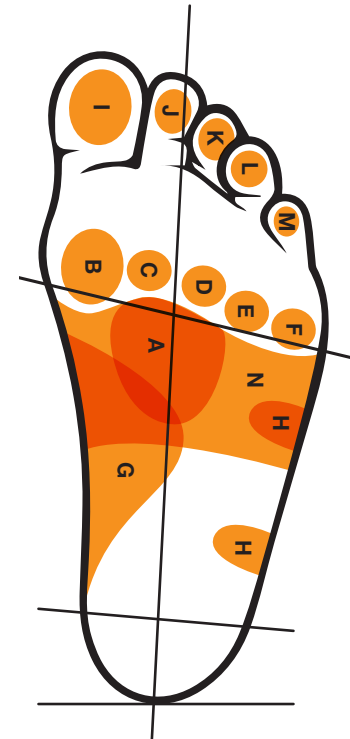
If storage is being requested, CYS is responsible for the storage (inhouse) and the insurance of the (physical or digital) last designs.

The owner can apply for their lasts / designs at any time. Return expenses are for the owner.

1.4 | DESIGN YOUR LASTS

We offer a number of options for last corrections which you can indicate in your order. Fill out whether you want to add space (+) or remove space (-) on the indications stated below. When you add space, your last becomes more spacious on that point and the inlay will be adjusted accordingly.

- A** Fore foot support
- B - F** Extra space metatarsal joints
- G** Medial support
- H** Support base of 5th metat (front/back)
- I - M** Extra toe space
- N** Transversal support



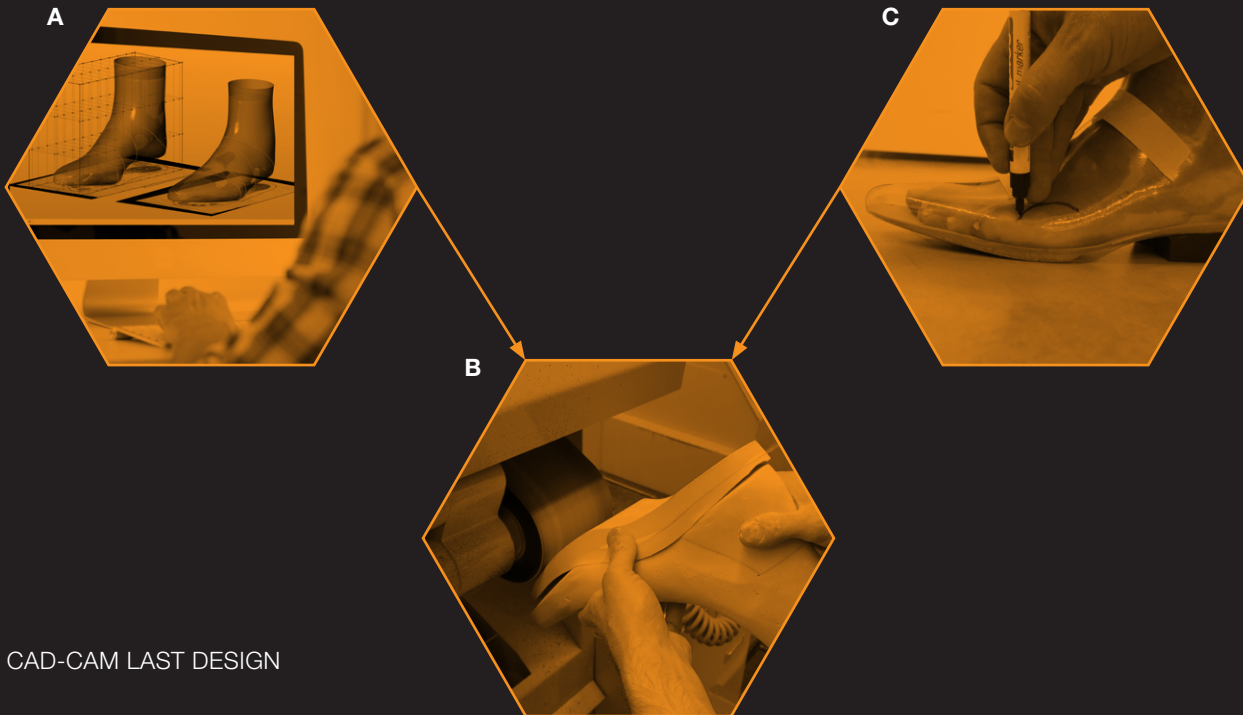
2 | INLAYS AND TEST SHOES

When your lasts and inlays are ready, CYS offers you the possibility for a fitting stage. By means of a foil-fitting shoe in combination with inlays you can see if there are any pressure points, which can make you decide to adjust the lasts. The fitting stage can be a convenient option before ordering complete shoes.

If you would like to extend the fitting stage with your client, you can also choose to fit the shoes with leather trial shoes with reinforcement provision. We also offer disposable leather test shoes. If you would like to test the special orthopedic concepts and reuse them in the final shoes, you can also order lining shoes as fitting stage.

If you have ordered inlays, we will process them in every type of shoes. In this chapter you will find an overview of the types of inlays which we offer.

OPTIONAL FITTING STAGE



A | CAD-CAM LAST DESIGN

B | PRODUCTION OF INLAYS

C | MODIFICATION ON FOIL TEST SHOE
Optional

2.1 | INLAYS

We offer four categories of inlays. Within these categories there is a variation of choices. The materials which are being used for each layer are specified in the drawings.

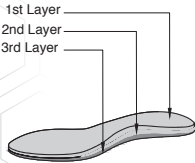
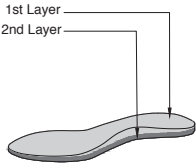
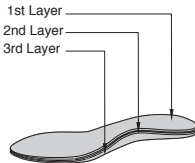
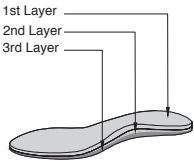
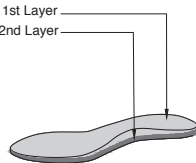
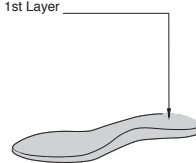
INLAYS	ARTICLE NUMBERS FOR YOUR ORDER
Standard Inlays	10 until 15
Inlays with Reinforcement	20 until 27
Inlay Orthosis with Amputation Support	40 until 42
Inlay Orthosis with Toe Amputation Support	50 until 54

Please note that we will add an extra charge on top of the standard costs for inlays for the following:

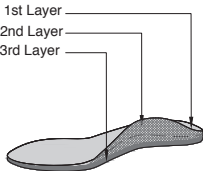
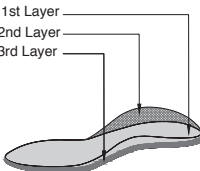
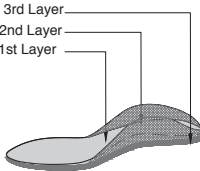
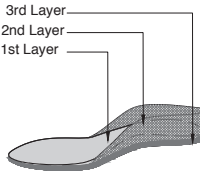
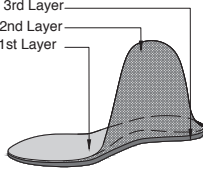
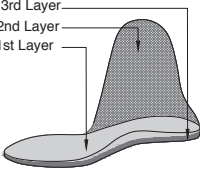
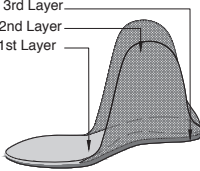
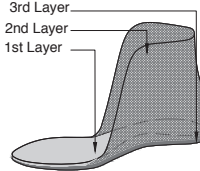
- Inlays and/or lining shoes made with 1 or 2 layers of these materials: 5016 - 5017 - 5018
- Tongue inlays and/or lining shoes for "Pes Equines", "Club foot" or "Pes Equinovarus" foot
- Design drawing for different complex foot amputations

If you request 5018 as top layer, CYS produces a work-inlay for mounting (extra charge). The work inlay can be replaced by the final inlay, both will be sent to you. Work-inlay can be re-used for future orders!

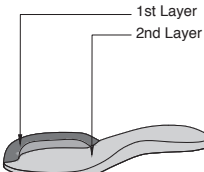
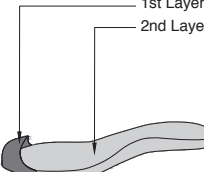
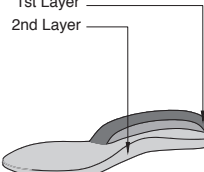
10 - 15 STANDARD INLAYS

	10 Standard	11 Semi-Diabetic	12 Diabetic	13 Diabetic Plus	14 Work Shoes	15 Bath Shoes
1st	5040	5027	5032	5018	5006	5039
2nd	5049	5040	5040	5027	5008 / 5039	
3rd	5039		5039	5039		
Layers						

20 - 27 INLAYS WITH REINFORCEMENT

Layers		1st	2nd	3rd	5040	5048	5039		
					5040	5048	5039		
					5040	5048	5039		
					5040	5048	5039		
					5040	5048	5039		
Low Reinforcement			20		21		22		23
			24		25		26		27
High Reinforcement									

40 - 42 INLAY ORTHOSIS WITH AMPUTATION SUPPORT

		40 Filler on Partial Forefoot	41 Toe Filler	42 Filler on Heel
Layers		1st 5040	5040	5040 5048
		2nd		
				

50 - 54 PROTHESE WITH DIFFERENT FOOT AMPUTATIONS

**50 Toe Part
Amputation Support**

**51 Metatarsal
Amputation Support**

**52 Transmetatarsal
Amputation Support**

**53 Lisfranc
Amputation Support**

**54 Chopart
Amputation Support**

Layers
1st
2nd
3rd
4th
5th
6th

Padding tongue / ball / circularly

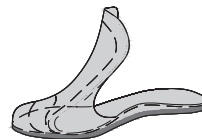
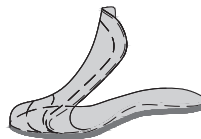
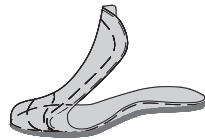
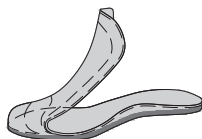
5050

5048

Carbon

5039

5027



AMPUTATION LINES

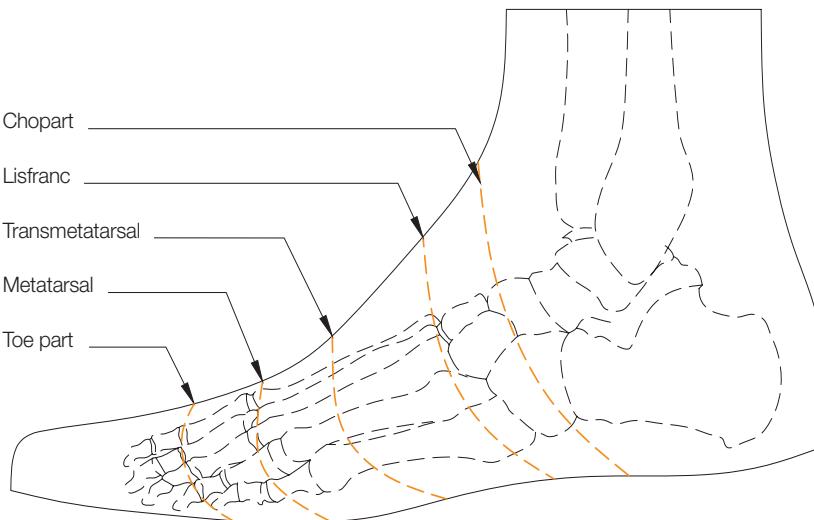
54 Chopart

53 Lisfranc

52 Transmetatarsal

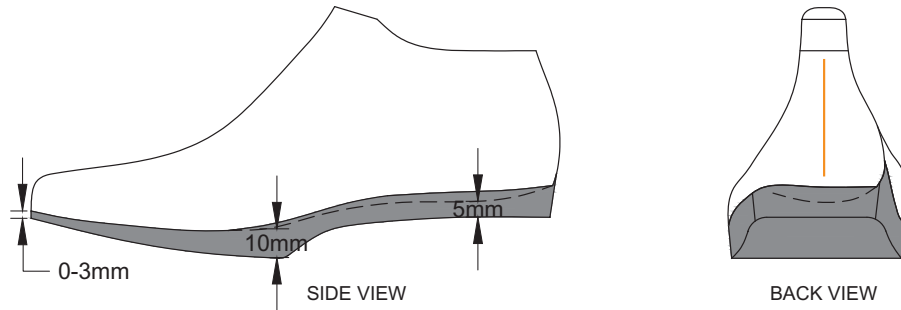
51 Metatarsal

50 Toe part



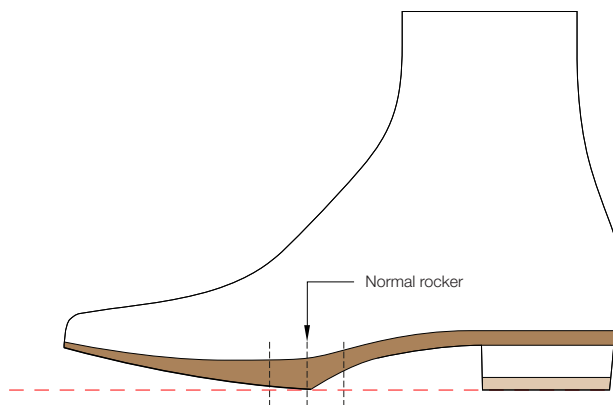
2.2 | ROCKER TYPES

BASIC INLAY

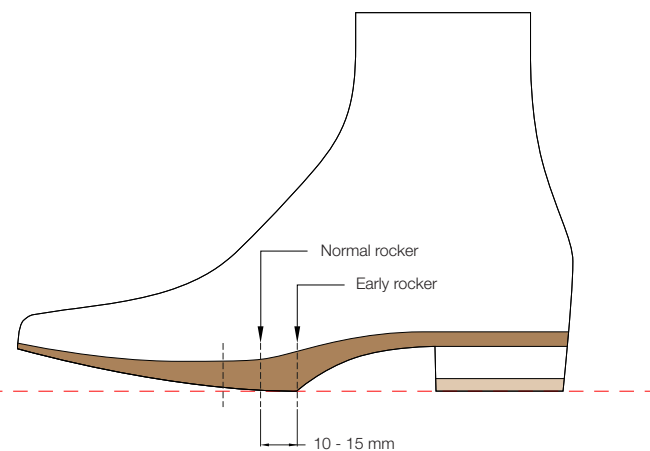


ARTICLE NUMBERS FOR YOUR ORDER	ROCKERS
60	Normal Rocker
61	Early Rocker
62	Two Phase Rocker
63	Delayed rocker
64	Polyphasic Rocker
65	Rocker to Medial
66	Rocker to Lateral

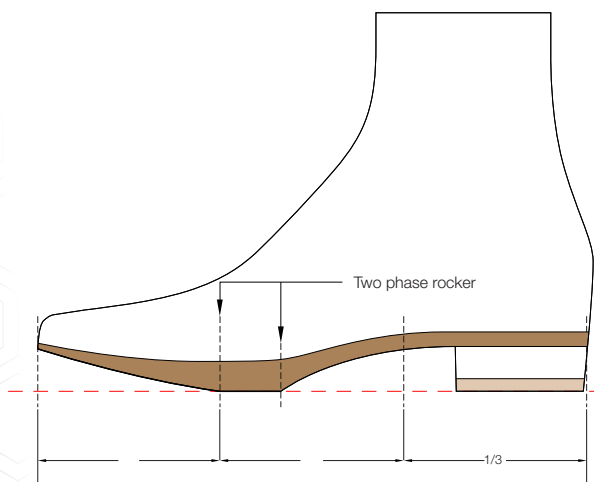
60 NORMAL ROCKER



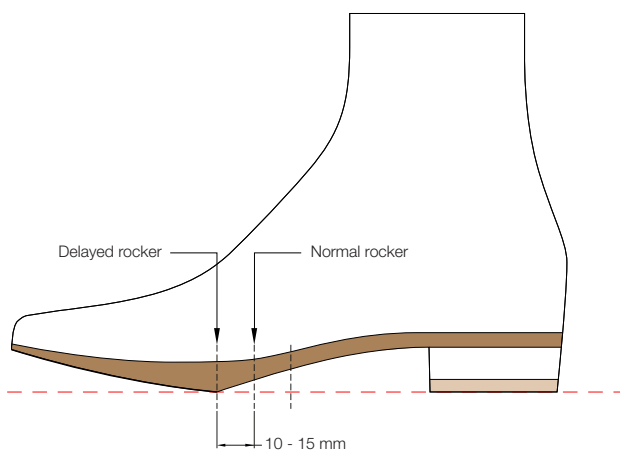
61 EARLY ROCKER



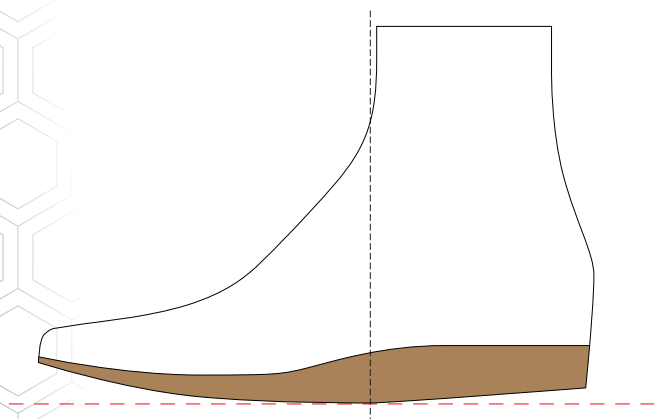
62 TWO PHASE ROCKER



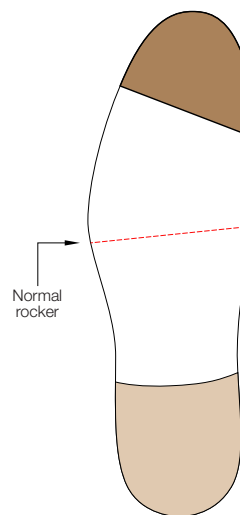
63 DELAYED ROCKER



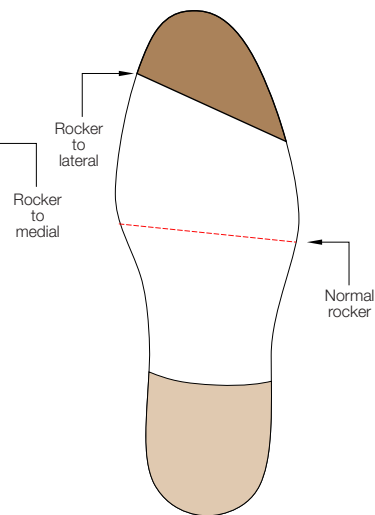
64 POLYPHASIC ROCKER



65 ROCKER TO MEDIAL

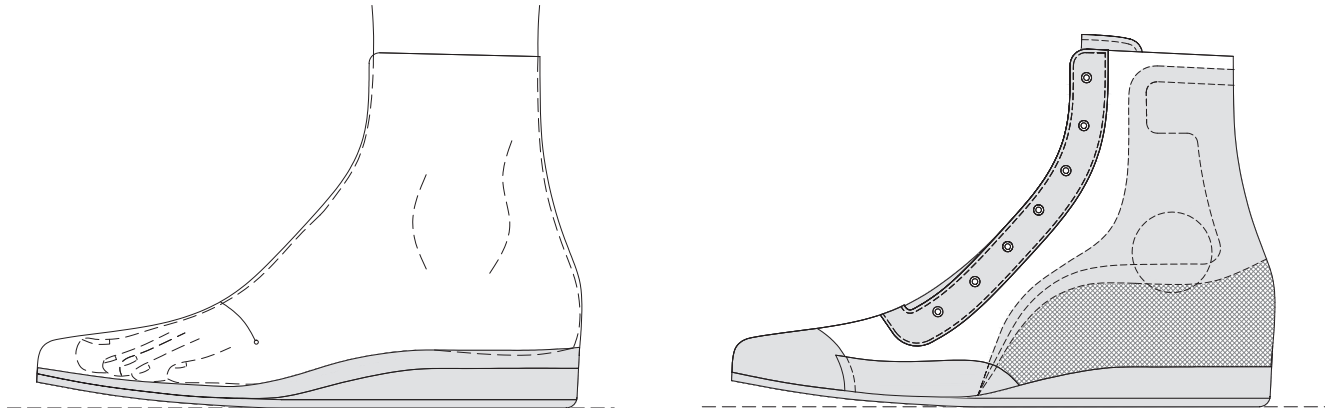


66 ROCKER TO LATERAL



2.3 | FOIL & TEST SHOES

If you want us to modify the lasts as a result of pressure points, please mark these pressure points on the foil test shoes. Send the foil test shoes including your marks to our production so that we can proceed with the last modifications. However, you can also modify the lasts yourself. For more detailed information please see the test shoe ordering protocol.

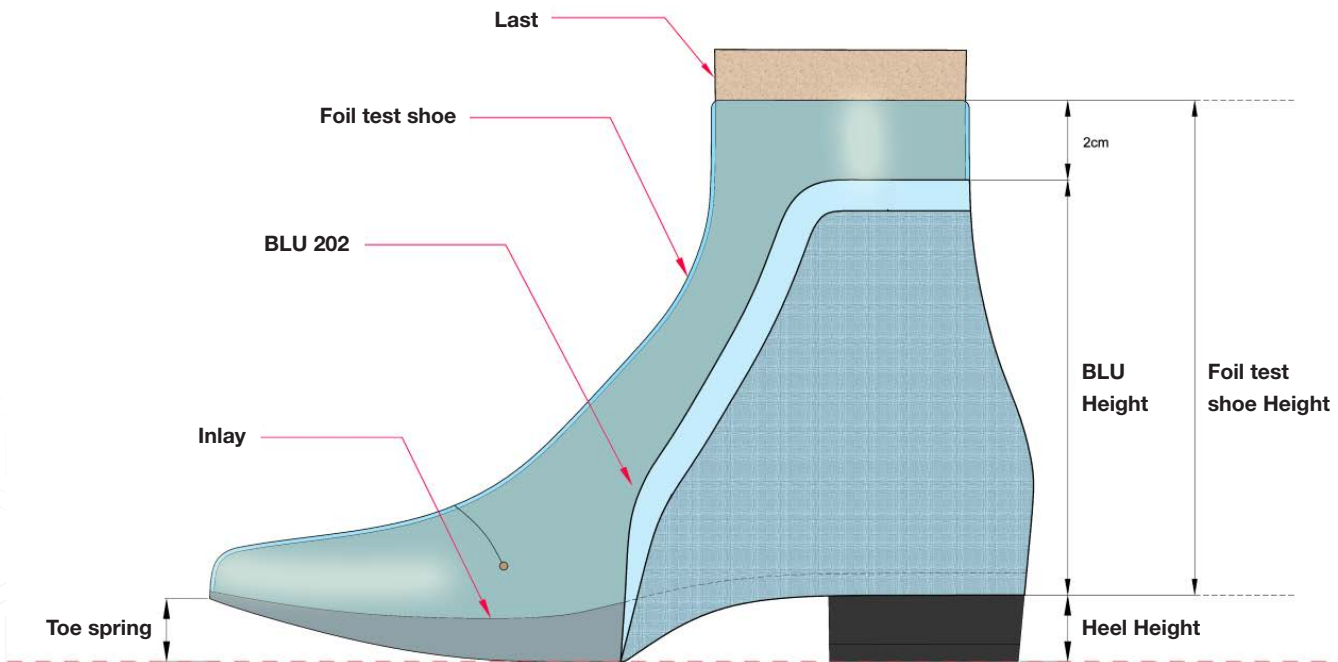


Further options for fitting shoes are eather leather testshoes or lining shoes. Leather test shoes are not being re-used in the production process of the final shoes. To keep this procedure as efficient and environmental friendly as possible, we use scrap of leather for these test shoes. This option of a leather fitting shoe is to test the reinforcement or shoe concept for the client. The client can wear this leather test shoe for 2-3 weeks. Lining shoes can also be ordered to fit and test both the shape and the orthopedic special features. Lining shoes with reinforcement are being re-used in the production process and will be part of the final shoes.

TEST SHOES	MATERIAL	CODE
Plastic Fitting Shoe Hard	PVC FILM	5002
Plastic Fitting Shoe Soft	ERCOFLEX	5001
Lining Shoe For Fitting Phase	Lining leather	
Leather Fitting Shoe	Scrap of leather	

If we make a new last, inlay and trial shoe from PVC foil, you can also choose to make the BLU directly. The advantage is that the measurer can have the patient fitted, including a BLU-reinforcement.

Reference:



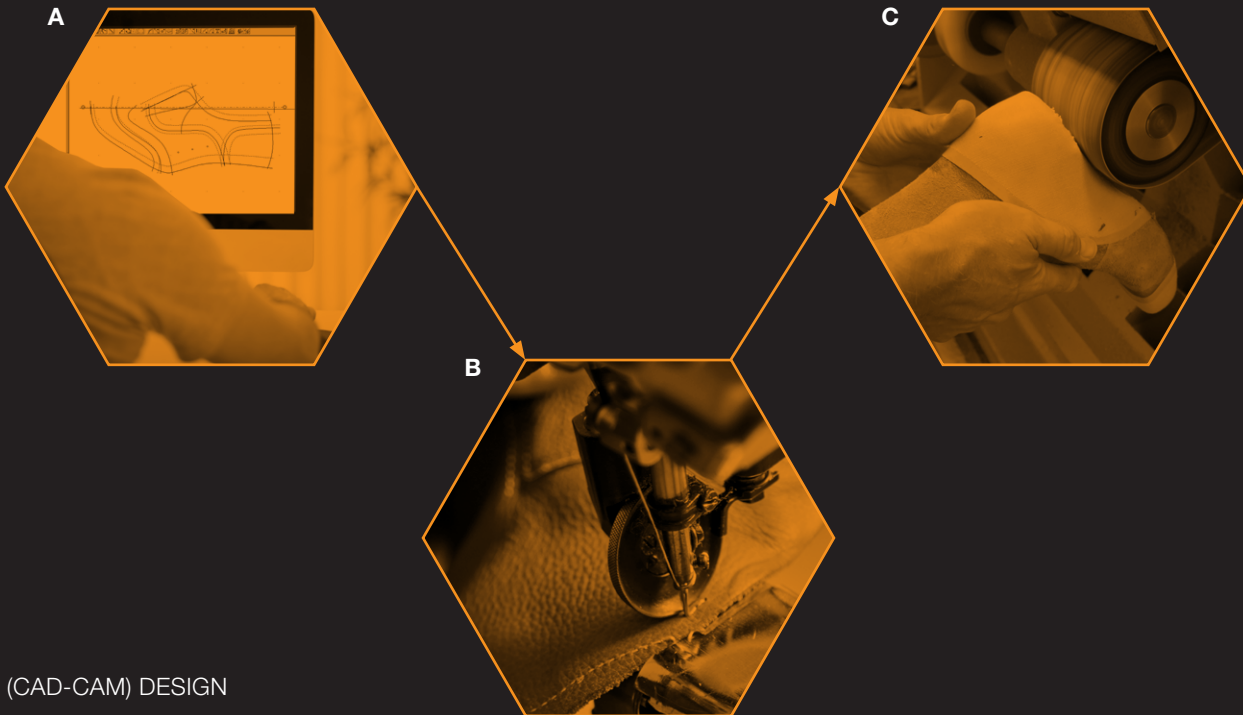
Important: When returning the pair for complete shoe making, always enclose the BLU with the lasts.

3 | UPPERS

This chapter gives you more insight in our manufacturing process of uppers. Uppers can be ordered separately, allowing you to complete the construction of the bottom and mount the shoe, or as part of our complete shoe service. For Uppers alone, we can receive orders via email together with an existing pattern, a picture or select a model from our catalogue, together with the ground pattern or a scan of the designed last. For a complete shoe you can also specify different reinforcements or padding options which specifically meet the needs of your client

Our production use specific proportion ratios in the design of your upper which are explained in this chapter. If you would like to change these ratios, please specify your requests in your order

PRODUCTION OF UPPERS



A | (CAD-CAM) DESIGN

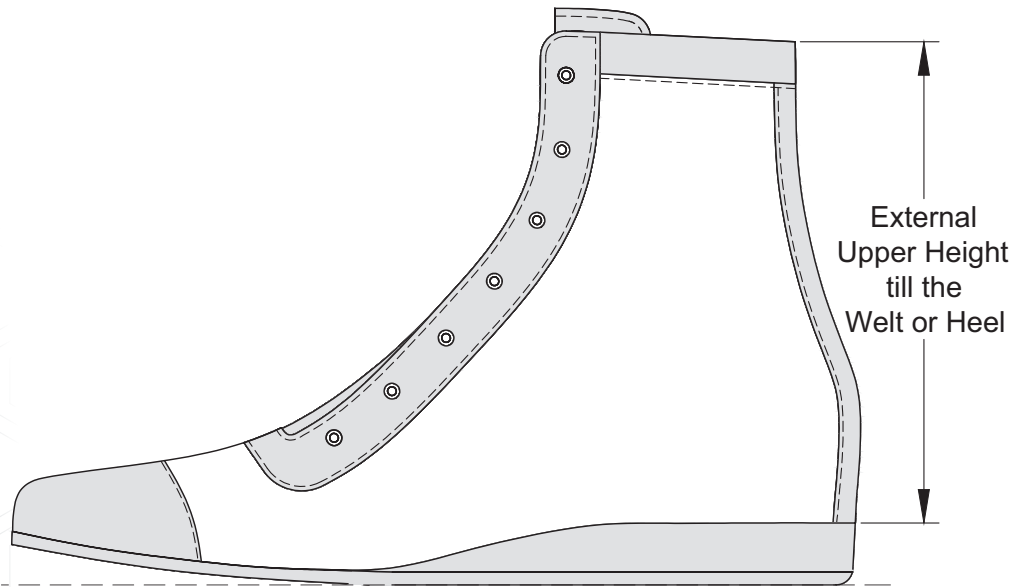
B | UPPER DEPARTMENT

C | ORTHOPEDIC OPTIONS

3.1 | HOW TO MEASURE

3.1.1 | MEASURE UPPER HEIGHT

The height of the upper for high shoes is always measured from the external backside of the shoe.



MEASURE UPPER HEIGHT FOR LOW SHOES

The upper height for low shoes is standard. At size 42 is 65 mm + 1 mm per size going up, -1 mm per size going down. This is measured from the back of the last without inlay, space-sole and inner-sole. *

- 40 - 63 mm
- 41 - 64 mm
- 42 - 65 mm ***
- 43 - 66 mm
- 44 - 67 mm

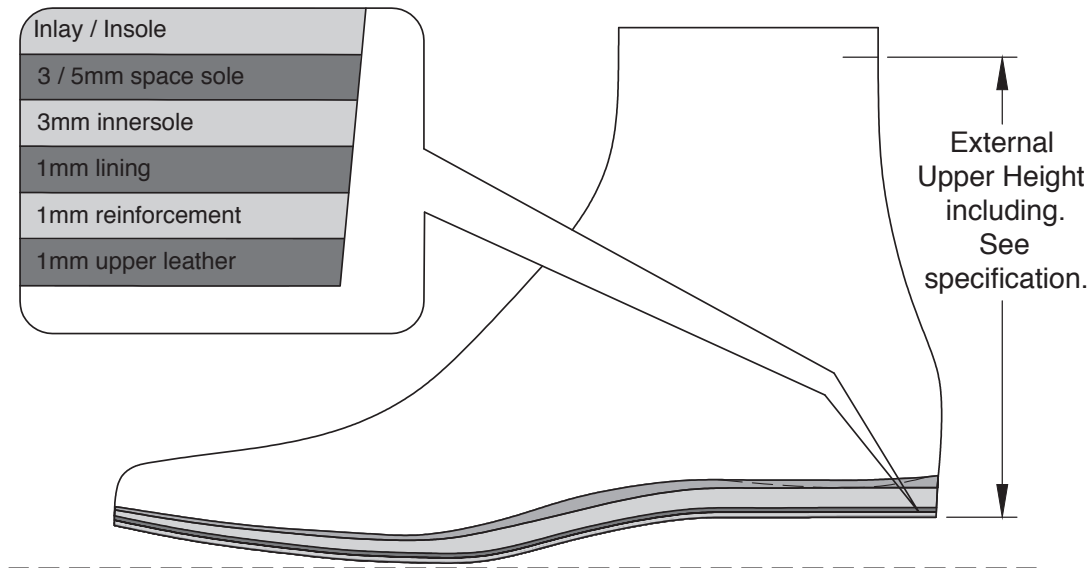
A mark on the last is leading for upper height. Without a marking on the last, the measurements on the orderform will be applied. The upper height includes the following thickness of the layers;

Space sole:	3 mm / 5 mm
Inner sole:	3 mm
Lining:	1 mm
Heel reinforcement:	1 mm
Upper leather:	1 mm

TOTAL THICKNESS: 9 or 11 mm (including space sole)

Example; An upper height of 200 mm is requested:

- 1) No Space sole: we mark the line on the last on 194 mm
- 2) Space sole of 5 mm: we mark the line on the last on 189 mm

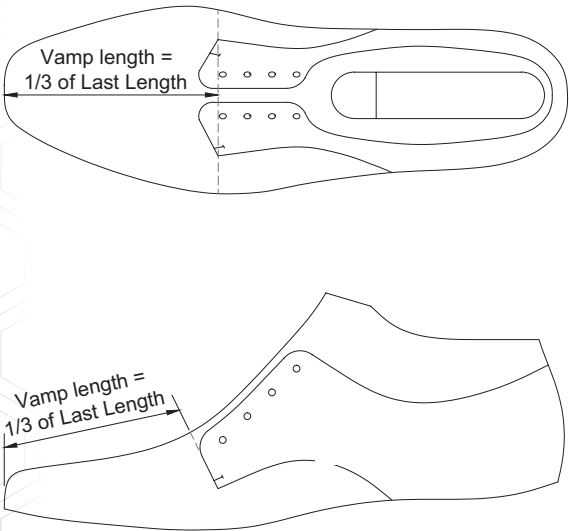


3.1.2 | MEASURE INSTEP

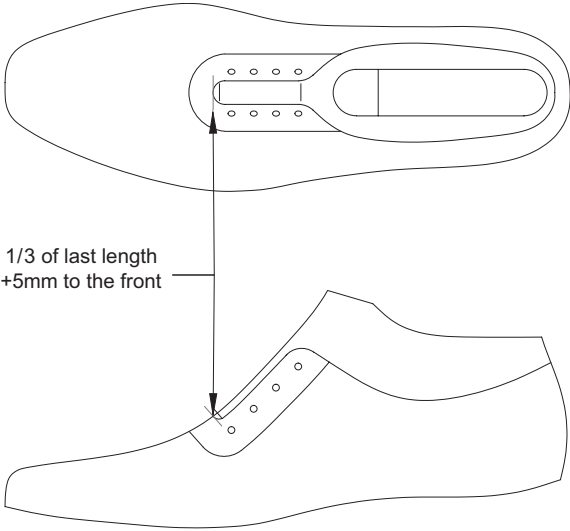
DRAWING	DEFINITION	DERBY	OXFORD
1, 2	Vamp Length	1/3 of last length	5 mm extra to the front
3	Instep Height Men	2/3 of Vamp Length	2/3 of Vamp Length
	Instep Height Women	- 5 mm	- 5 mm
	Instep Height Sport	+ 5 mm	+ 5 mm
4	Instep Width	1/4 (see drawing)	

All ring closures have back plates for more strength.
We place three eyelets from the instep point and use hooks for the remainder.

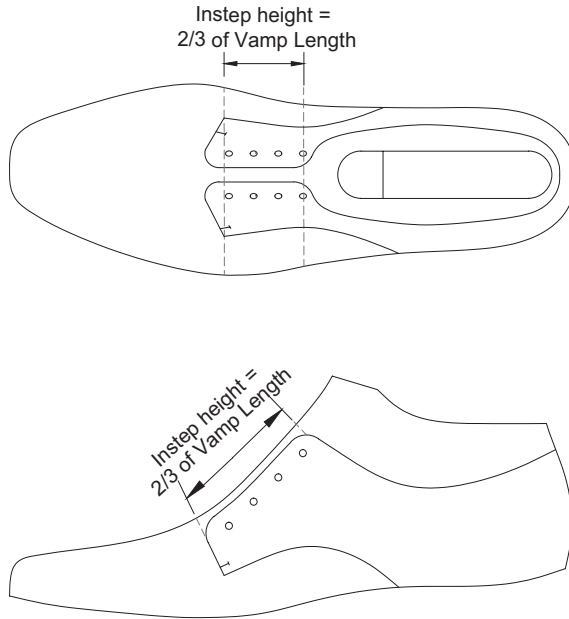
1 VAMP LENGTH DERBY



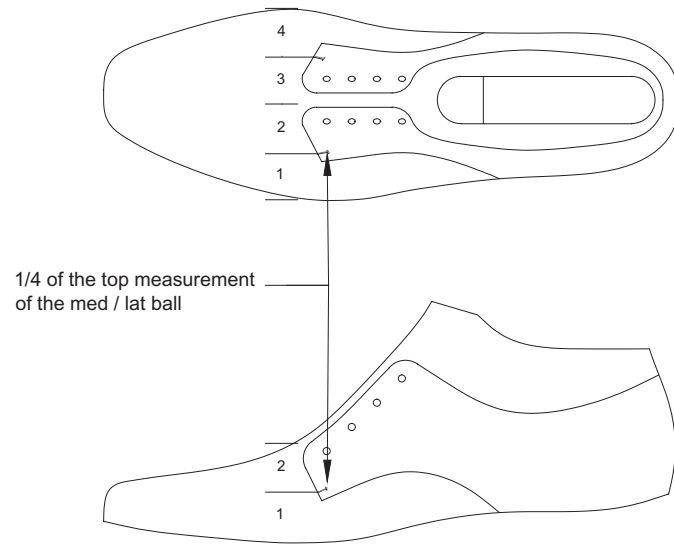
2 VAMP LENGTH OXFORD



3 INSTEP HEIGHT (DERBY AND OXFORD)

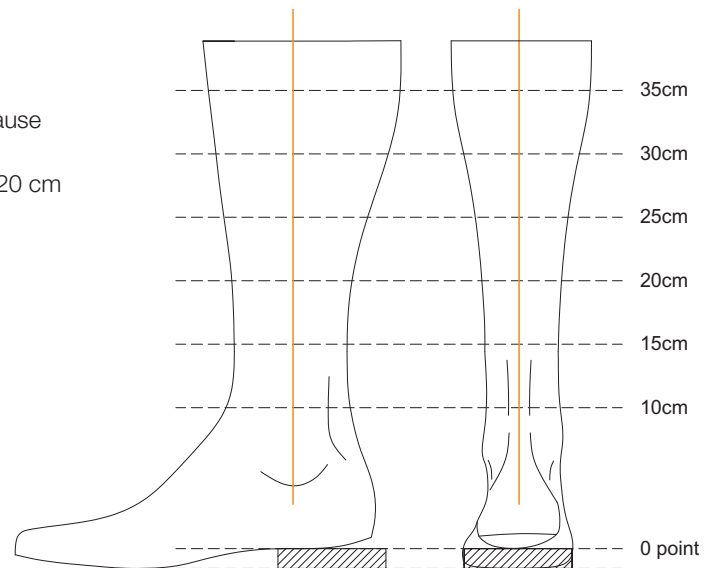


4 INSTEP WIDTH (DERBY)



3.1.3 | MEASURE HIGH BOOTS

1. Place the client's foot on a comfortable heel height without any insole or orthosis
2. Always measure the size of the leg under the body weight because the leg differs in size due to tension in the calf muscle
3. Measure the leg circumference at the height of 10 cm, 15 cm, 20 cm and so on. The height of the leg is measured from the 0 point, see drawing below. The 0 point starts at the heel height
4. 2 types of boots:
 - Tight-fitting Boots: add a minimum of 5 mm extra tolerance on all measurement points
 - Ankle Boots: add minimum of 10 mm extra tolerance on all measurement points



3.2 | STITCHING SPECIFICATIONS

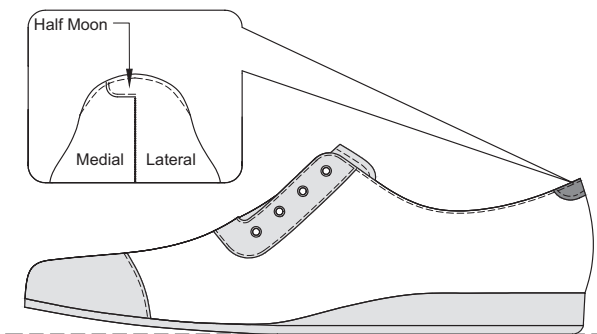
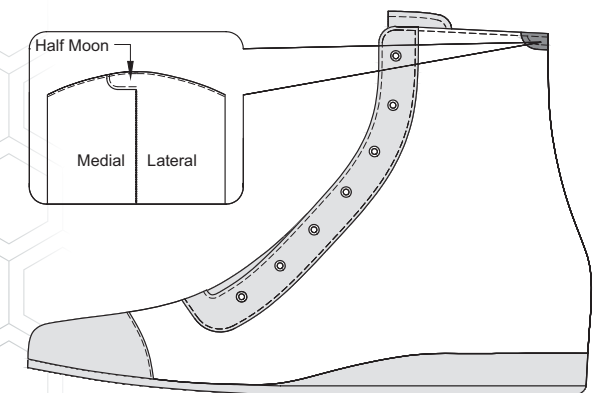
	THICKNESS OF THREAD*	NR. OF STITCHES IN 1 CM
Men	40/3	4
	10/3	2
Women	60/3	4,5
	20/3	2,5

*The standard colour of our stitching thread matches with the colour of the upper leather

1. The standard size of perforation is:
 - Men 5x5 mm Ø2 mm
 - Women 4x4 mm Ø1 mm
2. The standard size for the braided shoes design is:
 - Men and Women 5 mm width

3.2.1 | COLLAR PADDING

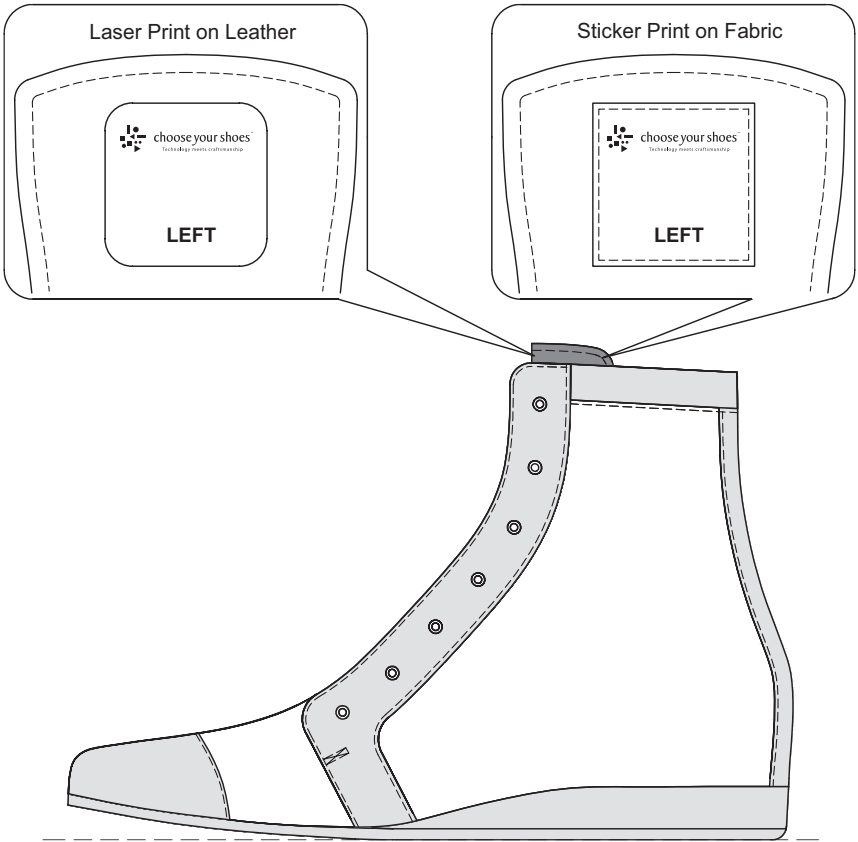
1. The standard thickness which we use for the collar padding is:
 - Men - 5 mm
 - Women - 3 mm
2. For both low and high shoes, with blind stitch and a folded upper leather collar, we apply a half moon design to strengthen the blind stitching on the back side of the upper.



3.2.2 | TONGUE SPECIFICATIONS

TONGUE WIDTH	
Men	80 mm
Women	70 mm
Sport shoe	100 mm

- Tongue Label:
- Laser print for leather lining material
 - Sticker for fabric lining material

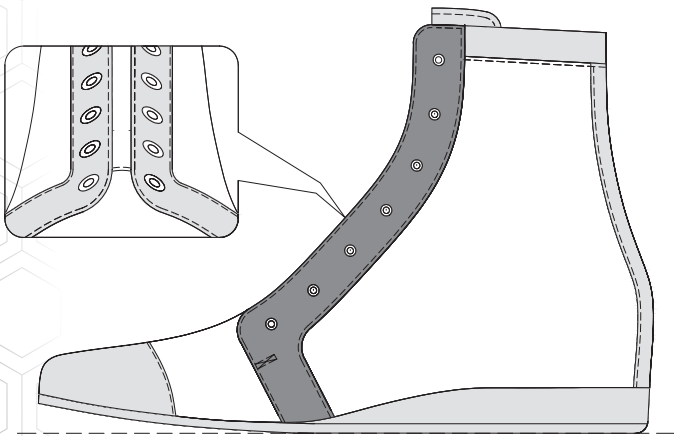


3.3 | CLOSURE SPECIFICATIONS

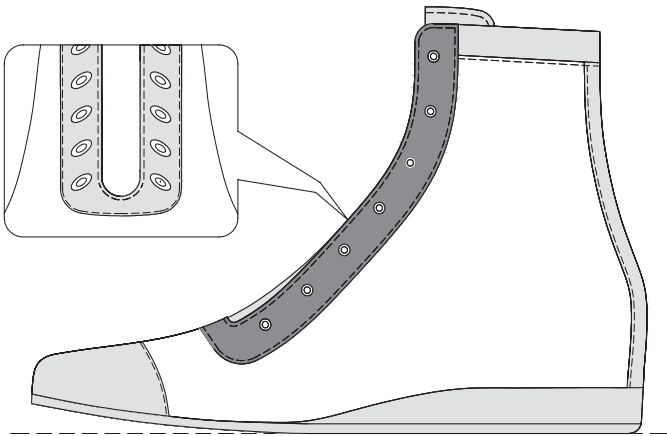
3.3.1 | DERBY AND OXFORD MODEL

DRAWING	DEFINITION	DERBY	OXFORD
1	Distance Between Quarters	Like model*	Like model*
2	Distance Between Eyelets		
	Men	23 mm	23 mm
	Women	18 mm	18 mm

1 DISTANCE BETWEEN QUARTERS DERBY

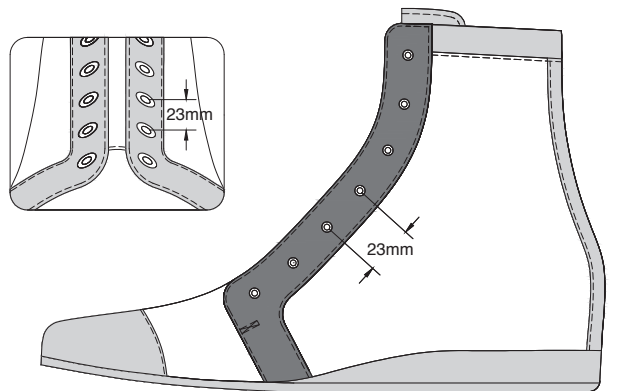


DISTANCE BETWEEN QUARTERS OXFORD

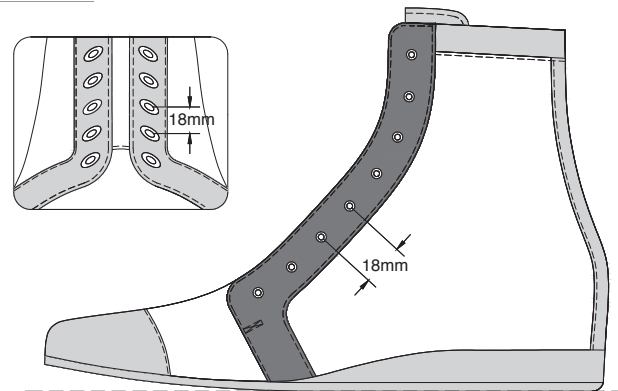


* The distance between the quarters varies per model. If a specific distance is preferred, define this on the order.

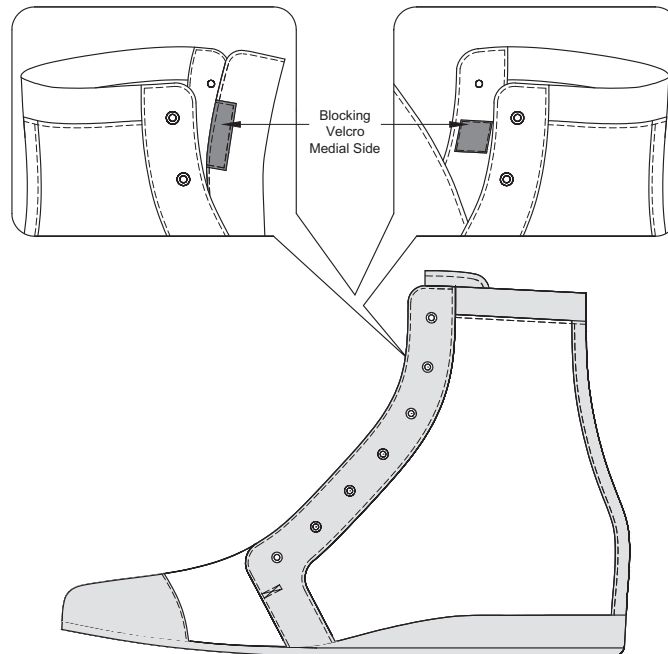
2 DISTANCE BETWEEN EYELETS MEN



DISTANCE BETWEEN EYELETS WOMEN

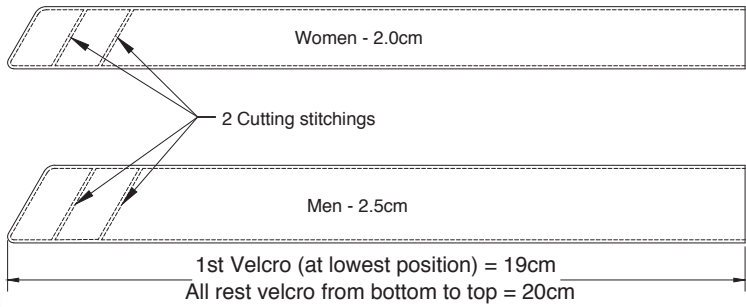


For high shoes we always use blocking velcro on the tongue. This velcro is always being placed on the medial side. Except for velcro closure nr. SP112 (see next page), in this case we place the blocking velcro on the lateral side.



3.3.2 | VELCRO

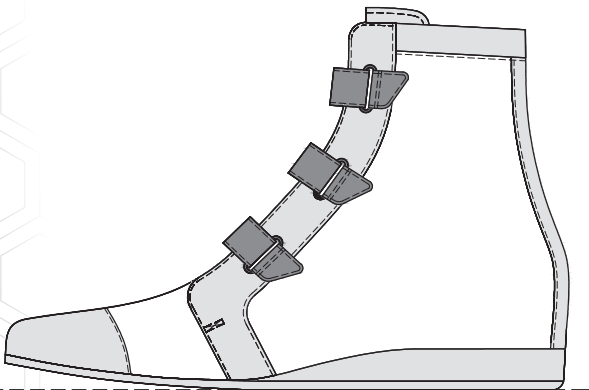
SPECIFICATION VELCRO	MEN SIZE	WOMEN SIZE
Length	19 / 20 * cm	19 / 20 * cm
Overlap	2,5 cm	2,5 cm
Width	2,5 cm	2 cm



*the lowest velcro has a length of 19 cm, others are 20 cm (from bottom to top)

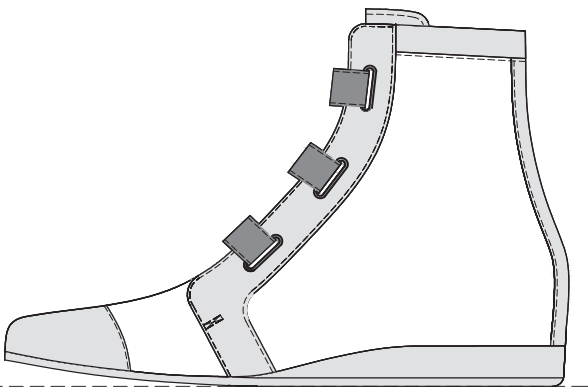
We have the following two standard types of velcro:

SP110 ROLLER BUCKLE IN LEATHER HOLDERS



SP110

SP112 BUCKLE THROUGH LEATHER



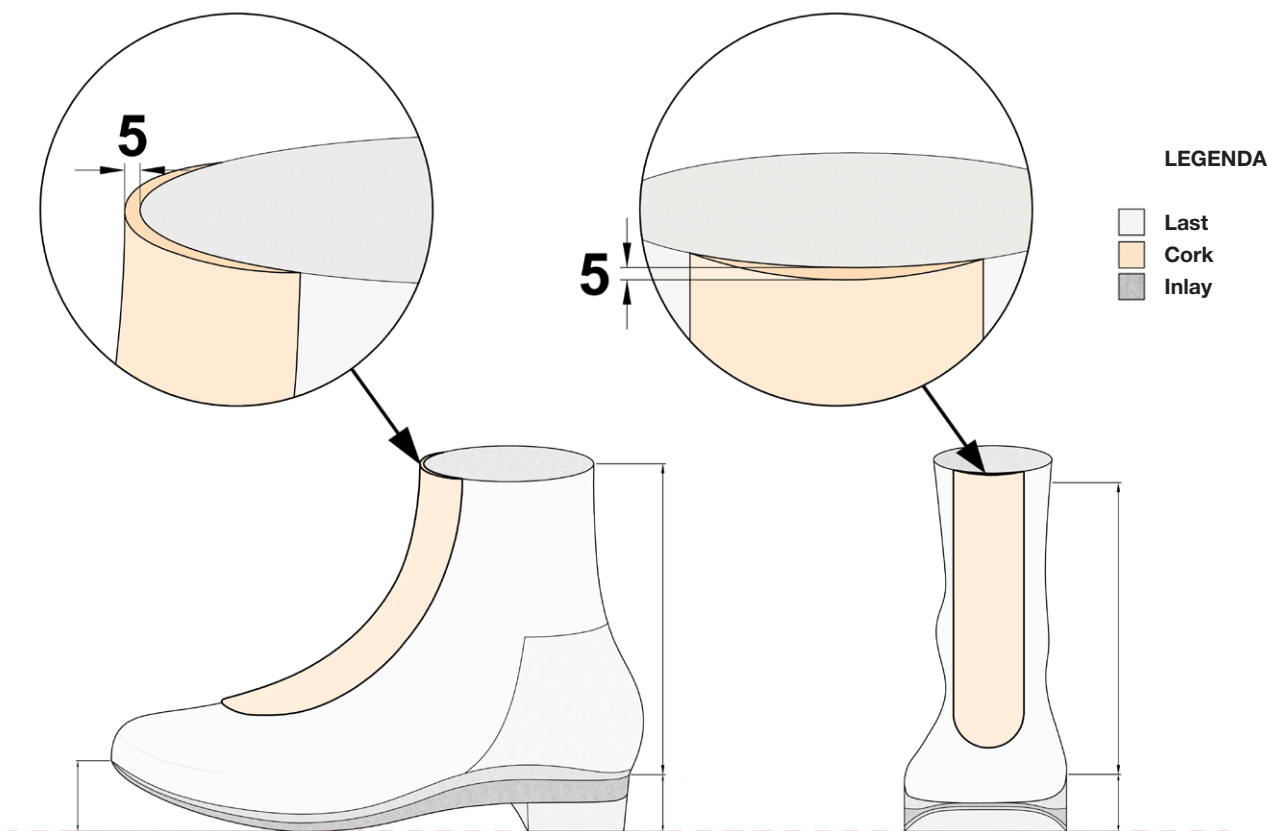
SP112

3.3.3 | ZIPPER

- Shoes with a lateral zipper on the picture also have a medial zipper. Since a shoe is displayed from the lateral side, a single medial zipper is indicated with a zipper icon.
- All displayed models with zippers have a functional zipper.

At high boots with a zipperclosure we do not use cork to create extra space around the instep, unless clearly indicated on the order form. See picture below for a reference.

Reference:

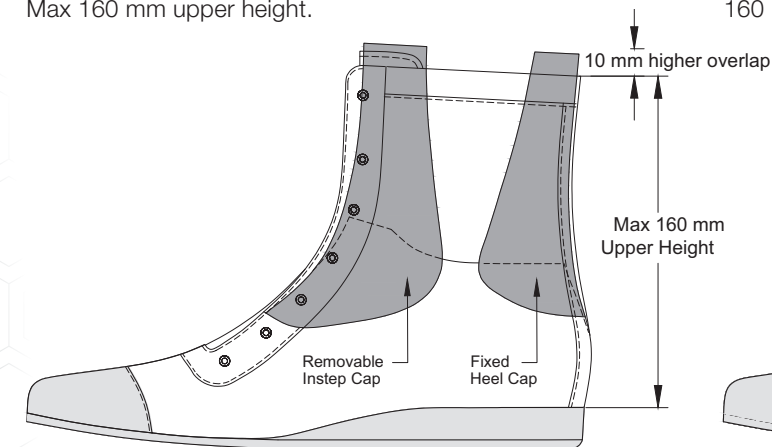


3.4 | HIGH UPPER ON LOW LASTS

If a high shaft has to be made from the low last, we use a separate instep cap and separate heel cap for a maximum upper height of 160 mm. For an upper height from 160 mm to 250 mm, we use a combination of an instep cap and heel cap as shown in figure 2. If the shaft should be 250 mm or higher, we will make a leg last extension.

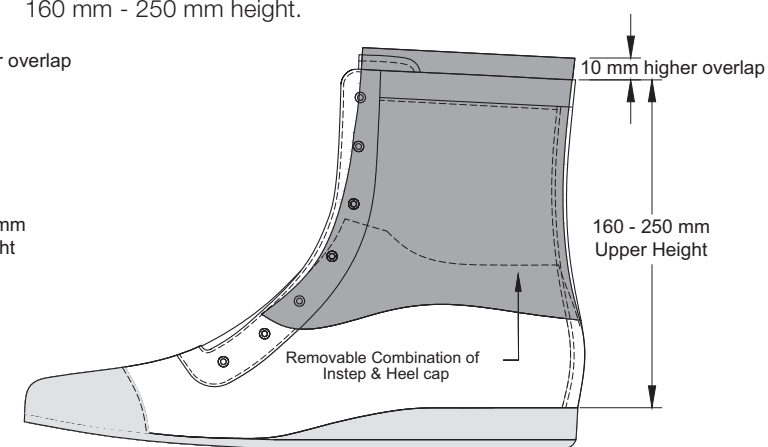
1. INSTEP CAP AND FIXED HEEL CAP

Max 160 mm upper height.



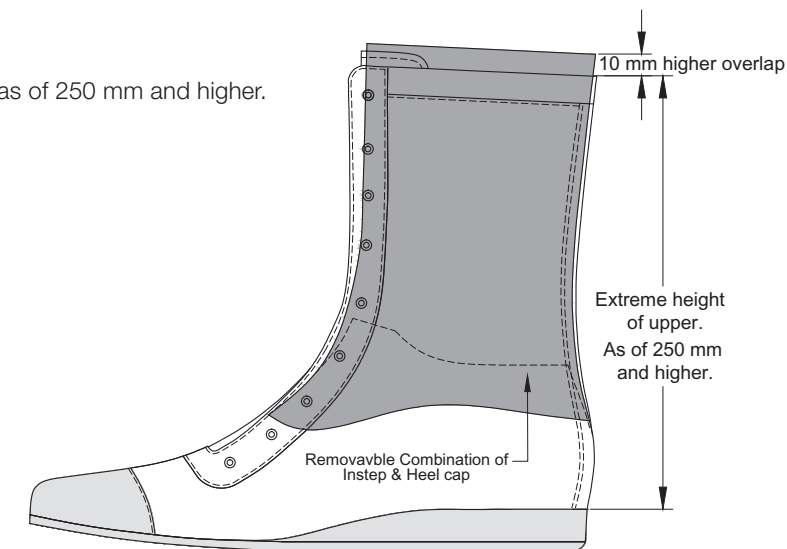
2. COMBINATION OF INSTEP AND HEEL CAP

160 mm - 250 mm height.



3. LAST EXTENSION

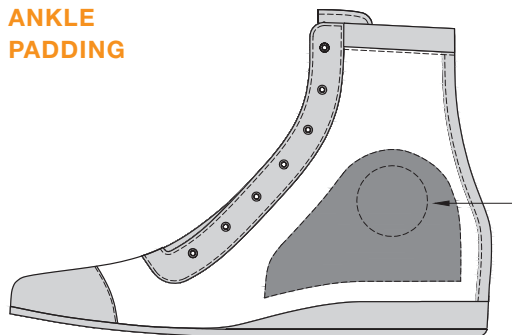
Extreme height of upper as of 250 mm and higher.



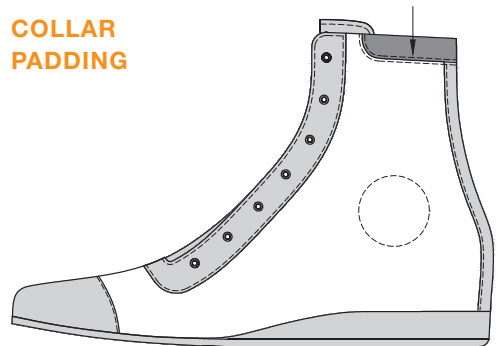
3.5 | PADDING

In our special material bundle you will find our padding material with code 5016 to 5032. By default CYS uses code 5027 for padding. The standard thickness is: 3 mm for women and 5 mm for men. Please state in your order if you would like a thickness of 3 mm or 5 mm. Padding is only by request, except collar padding which is based on LOOXZ model. The CYS padding SP155 is 18 mm thick. It is a combination of materials 5028 and 5029. If requested, SP155 is applied to heel, tongue and collar. In the overview below you can see the different padding options.

**ANKLE
PADDING**



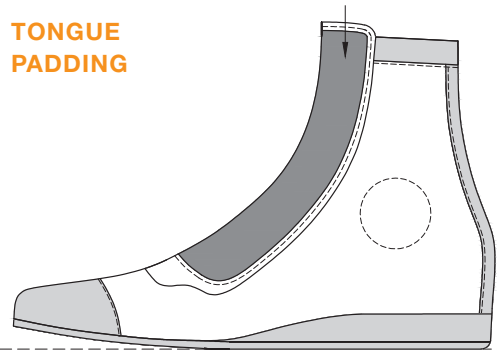
**COLLAR
PADDING**



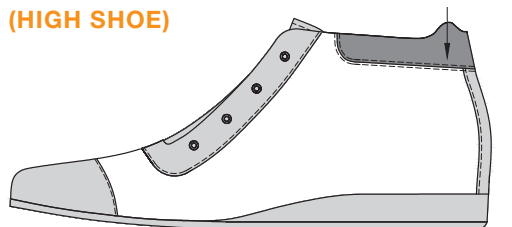
**GENERAL HEEL
PADDING**



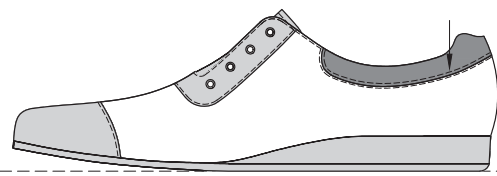
**TONGUE
PADDING**



**WING PADDING
(HIGH SHOE)**



**WING PADDING
(LOW SHOE)**



3.6 | COUNTER & SIDE LINING

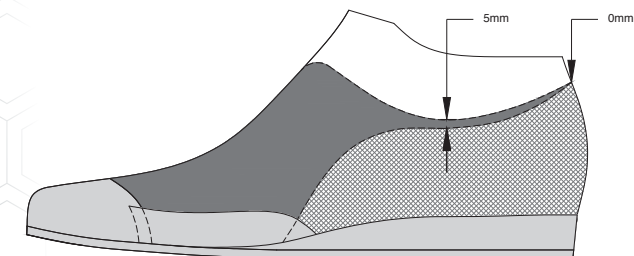
The standard height of the counter is 5 mm below the medial / lateral ankle. At the backside of the shoes, we keep the counter as high as possible.

COUNTER	MATERIAL	THICKNESS
Women	Rhenoflex 5048	1.2 mm
Men	Rhenoflex 5048	1.7 mm

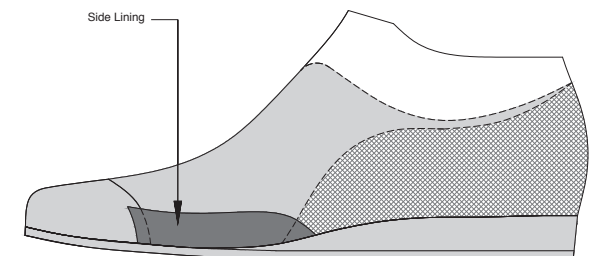
For toe reinforcement we use Tep 5046 1.1 mm. However toe reinforcement can also be made from steel, aluminium, polypropylene or carbon.

We only use side lining when the upper has a foam lining or / and Berry (baby calf) upper leather

COUNTER



SIDE LINING



3.7 | BLU REINFORCEMENT BETWEEN LINING & UPPER LEATHER

The BLU is being ordered to support and stabilize the foot and ankle. The BLU types that we offer can be made with ankle padding or general padding all around. By default, this padding is made in: 3 mm (women) or 5 mm (men) of 5027 material.

In the overview on page 36 - 37 you will find our BLU options together with the specifications of the materials which we use for each layer. You may provide us with the drawing of lines of the BLU on the last or separate drawing on paper for any specific client case. If requested BLUE is higher than 30 cm, a lining shoe will be made and charged.

BLU REINFORCEMENT BETWEEN LINING & UPPER LEATHER

Layers		1st	2nd						
		5048		5050		5050		5048	
		5048		5048		5048		5048	
Normal	Normal	1st Layer	200	1st Layer	201	1st Layer	202	1st Layer	203
		2nd Layer		2nd Layer		2nd Layer		2nd Layer	
High	High	1st Layer	200	1st Layer	201	1st Layer	202	1st Layer	203
		2nd Layer		2nd Layer		2nd Layer		2nd Layer	
High 2 Sides	High 2 Sides	1st Layer	300	1st Layer	301	1st Layer	302	1st Layer	303
		2nd Layer		2nd Layer		2nd Layer		2nd Layer	
High Lateral	High Lateral	1st Layer	400	1st Layer	401	1st Layer	402	1st Layer	403
		2nd Layer		2nd Layer		2nd Layer		2nd Layer	

Layers
1st
2nd

Counter
High Medial

Counter
High Peroneus Strip

Counter
High Peroneus Strip
Both side Support

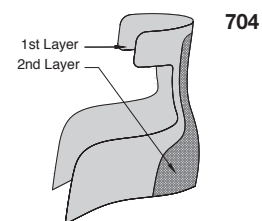
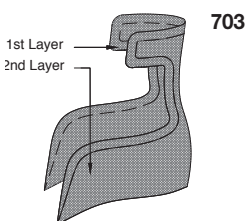
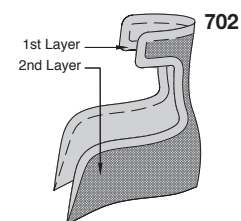
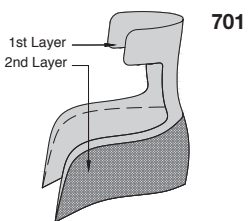
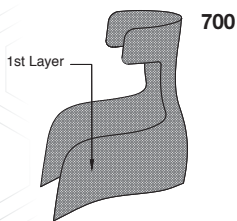
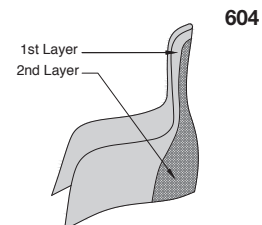
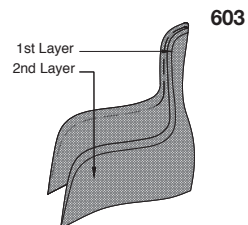
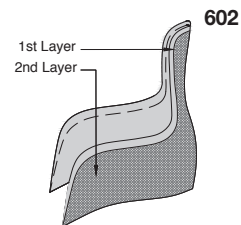
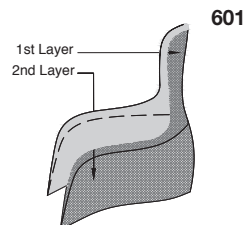
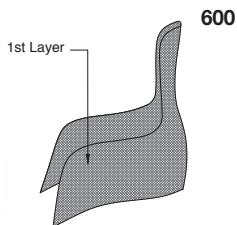
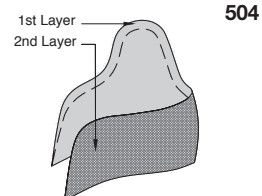
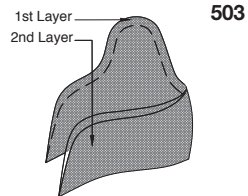
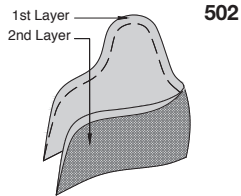
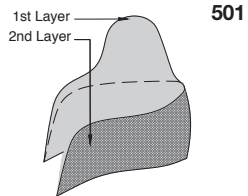
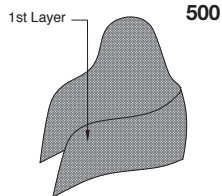
5048

5050
5048

5050
5048

5048
5048

5050
5048



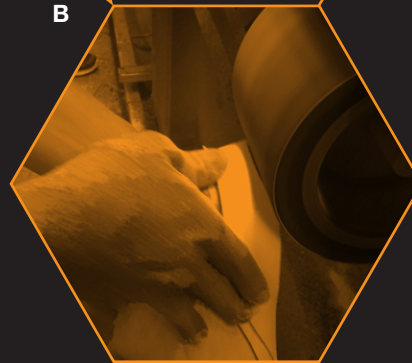
3.8 | FINISHING UPPERS

Upper-only orders are not finished and therefore differ from the photos shown

4 | BOTTOM

In this chapter we explain our standards and options in construction of the bottom of complete shoes, the inner soles and outer soles. We offer a wide range of different edges, welts, various options for heel types to ensure our shoes meet your needs. We also explain about heel modifications, how to measure heel height and also the rocker configurations. At the end of the chapter you will find all the different colours and types of edges, welts and soles which can be ordered, so our experienced team can carefully and skilfully complete your shoe.

PRODUCTION OF BOTTOM



A | MOUNT THE UPPER

B | SAND THE SOLE

C | ATTACH THE OUT SOLE

4.1 | BOTTOM SPECIFICATIONS

INNER SOLES

1. We use Biagioli (3 mm) inner soles / 5054
2. Our space soles are 3 mm or 5 mm thick. Space soles are 1 mm or 2 mm thinner at the toe part
3. Carbon sole stiffener consists of 4 layers or 6 layers (100% stiff)
4. Polypropylene sole stiffener : H2 (50% stiff from heel to ball) / 5055
5. Polypropylene sole stiffener : H5 (50% stiff from heel to toe)
6. Anti Penetration Insole / 5056

OUT SOLES

1. Our standard EVA-materials have a shore value of: 35, 50 and 65A. Shore values varies from +/- 5A.
2. Standard sole thickness for women: Rubber 4 mm, EVA 6 mm
3. Standard sole thickness for men: Rubber 6 mm, EVA 8 mm
4. Neoprene and fabric upper material always include a leather mudguard around or +/- 12 mm high

4.2 | BOTTOM CONSTRUCTION OPTIONS



A. Closed Edge



B. Glued Edge from ball to ball



C. Glued Edge all around



D. Flexible Edge all around



E1. Mudguard all around



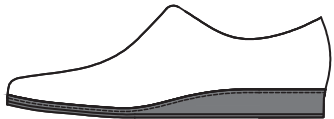
E2. Leather mudguard all around



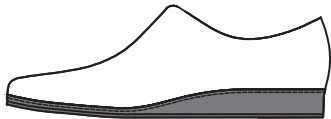
O1. Mudguard from ball to ball



O2. Leather mudguard from ball to ball



P1. Sport band all around
extending over heel



P2. Leather band all around
extending over heel



U1. Sport band all around equal height
with or without heel

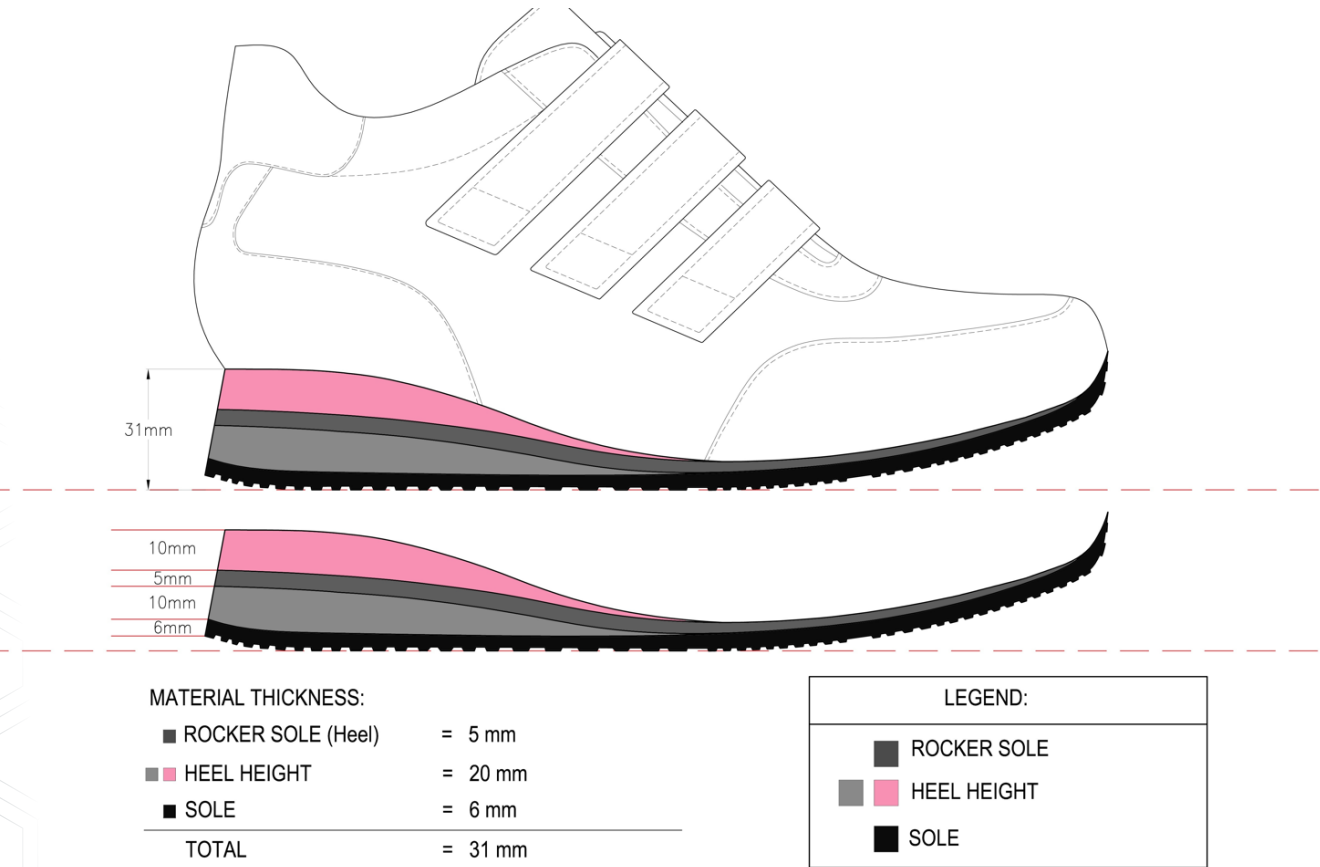


U2. Leather band all around equal height
with or without heel

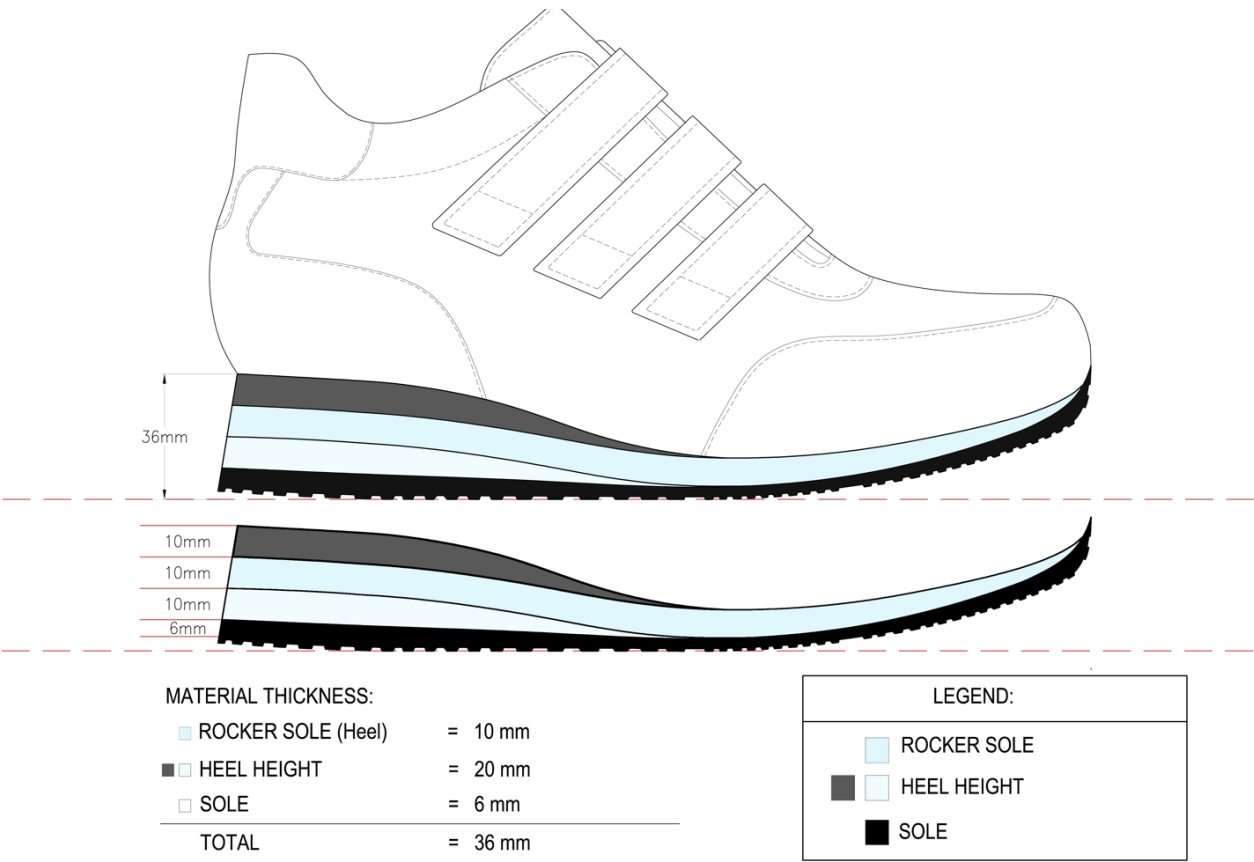
4.2.1 | ROCKER AND HEELHEIGHT MEASUREMENTS

CYS uses 3 standard rockermeasurements. The 2 standard rockermeasurements are without extra charge. The custom rocker-measurement is with an extra charge.

1. **Standard rocker 5 mm:** (Heel = 5 mm, Ball = 5 mm, Toe = 0 mm) See picture below.



2. **Standard rocker 10 mm:** (Heel = 10 mm, Ball = 10 mm, Toe = 2 mm) See picture below.



3. **Custom measurements defined by technician in mm** (Heel, Ball, Toe).

4.3 | HEEL TYPE OPTIONS



G. EVA Block heel



H. Leather Block heel on sole



I. Wooden block heel on sole



N. Wooden block heel



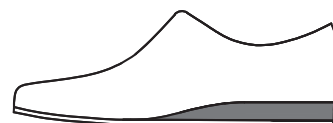
J. Wooden tail heel with sole extending up to the heel



K. EVA wedge heel, hollow with sole extending over heel



L. Wooden wedge heel hollow



M1. EVA wedge heel, flat with sole extending over heel



M2. EVA wedge heel flat, with sole around. Med + lat hollowing



F. Standard rocker sole flat
Heel 5 mm, Ball 5 mm, Toe 0 mm



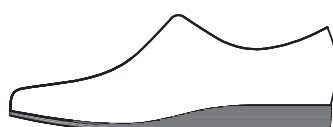
Q. Standard rocker sole hollow
Heel 5 mm, Ball 5 mm, Toe 0 mm



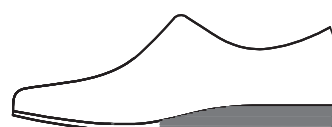
R1. Visible heel height compensation
between shoe / sole



R2. Invisible heel height compensation
between lining and upper leather



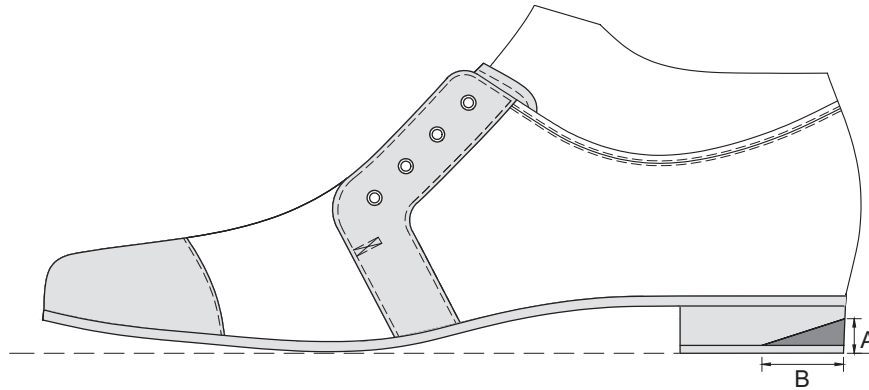
S. Ribble sole all around extending
over heel



T. Ribble sole extending over heel

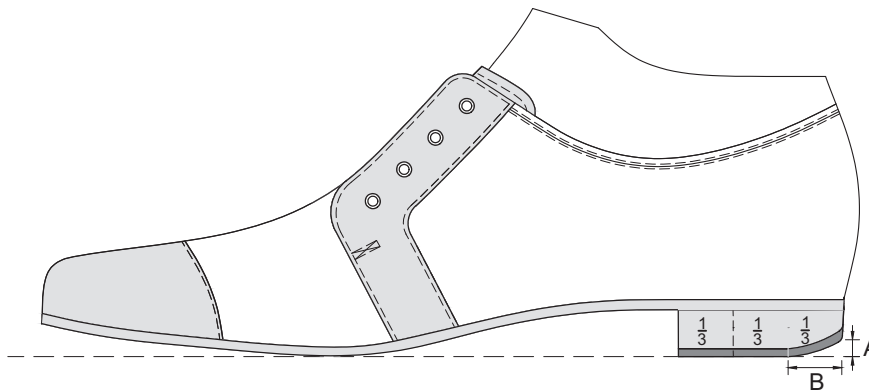
4.4 | HEEL MODIFICATIONS

HEEL BUFFERING



A = 15 mm
B = 45 mm

HEEL ROUNDING



A = 8 mm
B = $\frac{1}{3}$ of the Heel Length

4.4.1 | PREFAB SOLES

For prefab sole 596, we include the heel height compensation between lining and upper leather.

Example:

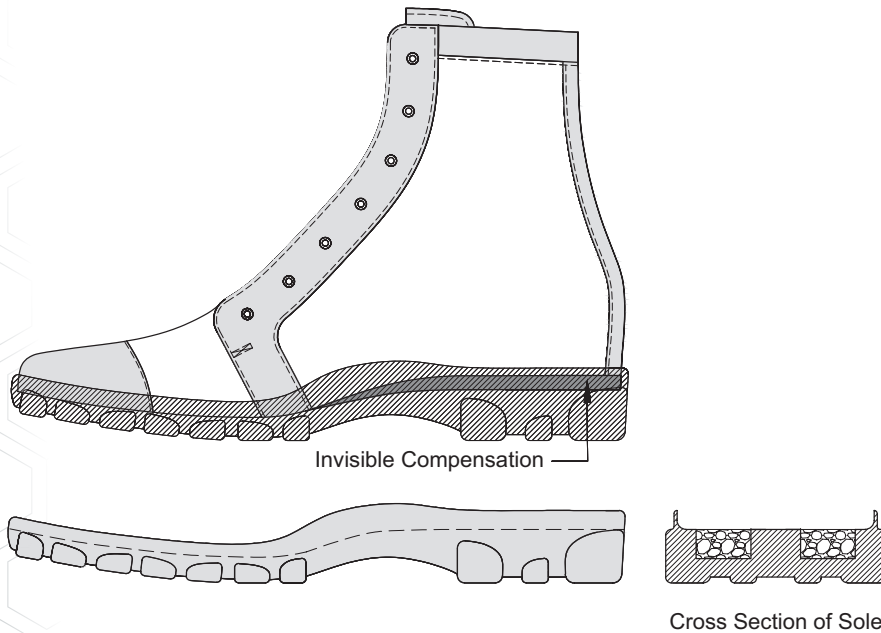
Heel height = 2.5 cm

Prefab sole = 1.5 cm

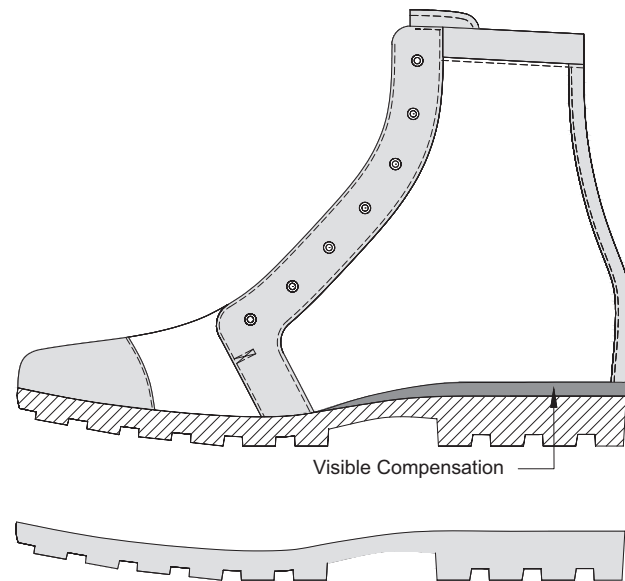
Compensation in heel height between lining and upper leather is 1 cm

In case of which the heel of the prefab sole is too low, we include the heel height compensation between the lining and upper leather.

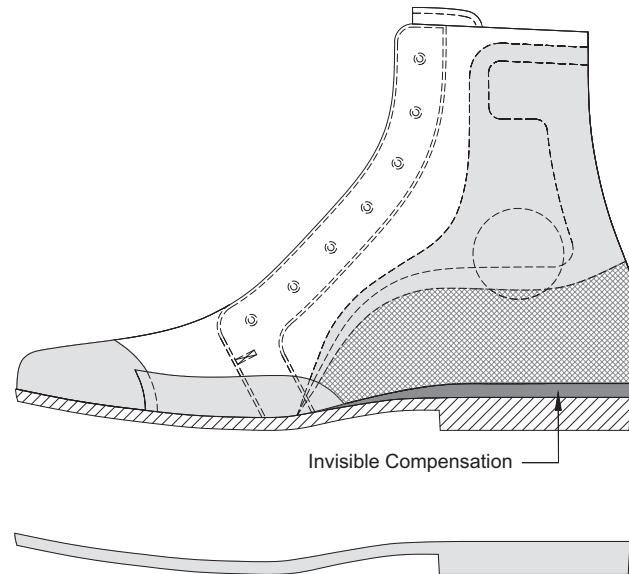
INVISIBLE COMPENSATION BETWEEN SHOE AND SOLE



**VISIBLE COMPENSATION
BETWEEN SHOE AND SOLE**



**INVISIBLE COMPENSATION BETWEEN
LINING AND UPPER LEATHER**



4.4.2 | HEEL HEIGHT FOR SNEAKERS AND SHOE MODELS WITH SPORTS BAND

CYS can handle the heel height well up to 15 mm in sneakers and shoe models with a sports band. Up to this height the sports band can be stitched neatly by machine.

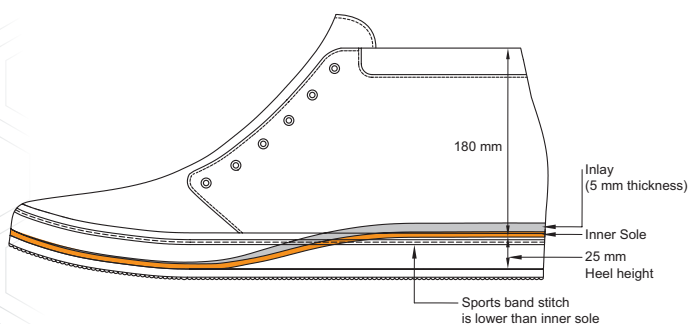
If a heel height is required *higher than 15 mm*:

1. By default, production will correct the excess heel height to the inlay. 15 mm Heel height will be processed in the heel of the sneaker, the rest of the heel height will be made in the inlay. The extra height will be made of the same material as the inlay. **Adjustment costs will be charged.** As usual, you can indicate the desired heel height in the order form for the bottom construction. The upper height will be adjusted automatically by production because of the new thickness of the inlay.
2. You may also adjust the inlay yourself, do not forget to adjust the upper height in the order in connection with the thicker inlay. Then indicate the heel height of 15 mm in the order form.

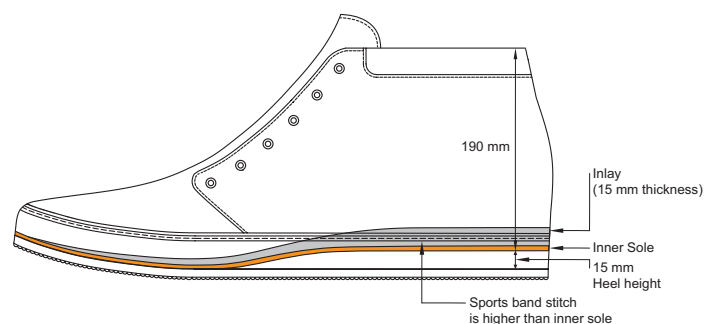
In certain cases our production will contact you.

To clarify the drawings, where a heel height of 25 mm is requested, with a inlay thickness of 5 mm and a upper height of 180 mm.

HEEL HEIGHT WITHOUT CORRECTION TO THE INLAY



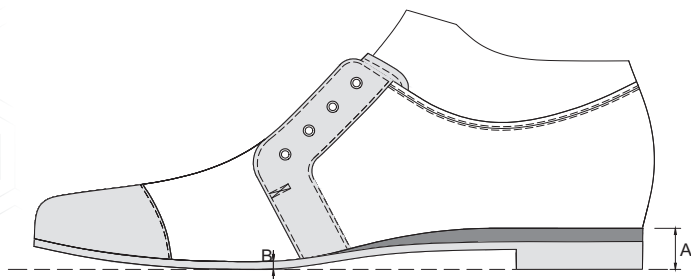
HEEL HEIGHT WITH CORRECTION TO THE INLAY



4.5 | HOW TO MEASURE

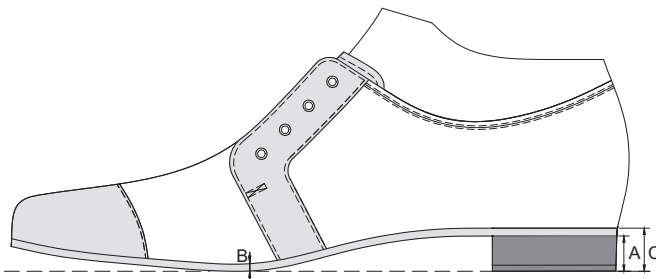
4.5.1 | MEASURE HEEL HEIGHT

PREFAB SOLE WITH WEDGE IN BETWEEN



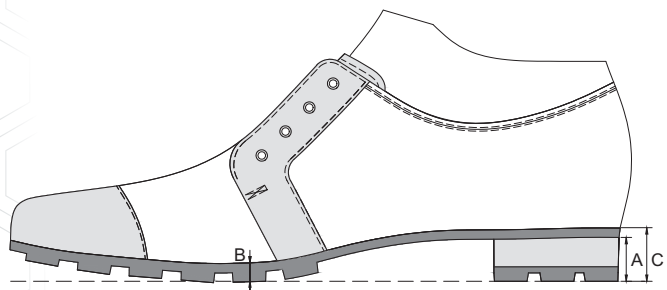
Heel height = $A - B$
(measured at the back; overall height minus thickness on the ball).
The thickness of the wedge need therefore not be specified.

EVA BLOCK HEEL



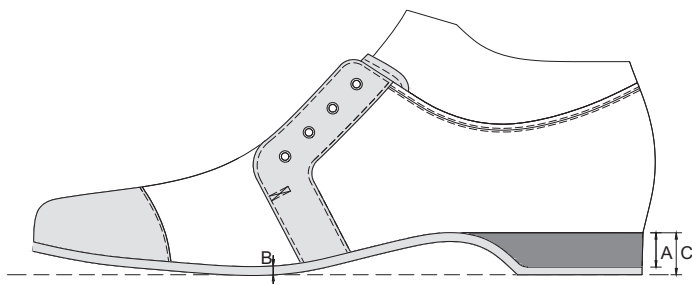
Heel height = A or $C - B$
(measured at the back; excluding the sole thickness)

PROFILE SOLE



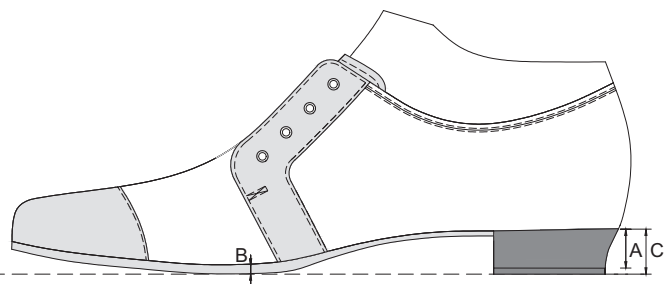
Heel height = A or $C - B$
(measured at the back; excluding the sole thickness)

EVA / WOODEN WEDGE HEEL



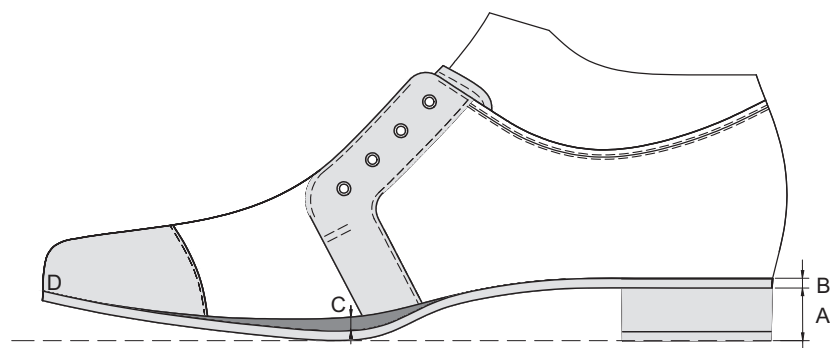
Heel height = A or C - B
(measured at the back; over all height minus the sole thickness)

WOODEN BLOCK HEEL



Heel height = A or C - B
(measured at the back; Overall height minus sole thickness on the ball)

4.5.2 | MEASURE ROCKER AND HEEL HEIGHT



Rocker under the ball is specified by desired thickness on:

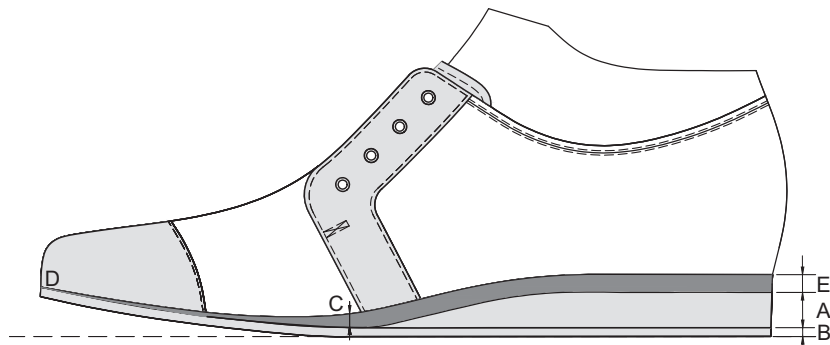
Toe = D (0 cm)

Ball = C (1 cm)

Heel height = A (2 cm)

Total Heel height = A (2 cm) + C (1 cm) = 3 cm

Final Heel height = A (2 cm) + C (1 cm) + B = Total = 3,8 cm



Rocker in general is specified by desired thickness on:

Toe = D (0 cm)

Ball = C (1 cm)

Heel height = A (2 cm)

Total Heel height = A (2 cm) + C/E (1 cm) = 3 cm

Final Heel height = A (2 cm) + C/E (1 cm) + B = Total = 3,8cm

4.6 | SANDALS & OPEN TOE MODELS

Sandals & open toe models are an addition to the orthopedic shoes of your client, ideal for the summer or inside the house. The shoe is partially open and has no closed toepart, which offers cooling but no protection to the toes.

TECHNICAL SPECIFICATIONS

Inlay

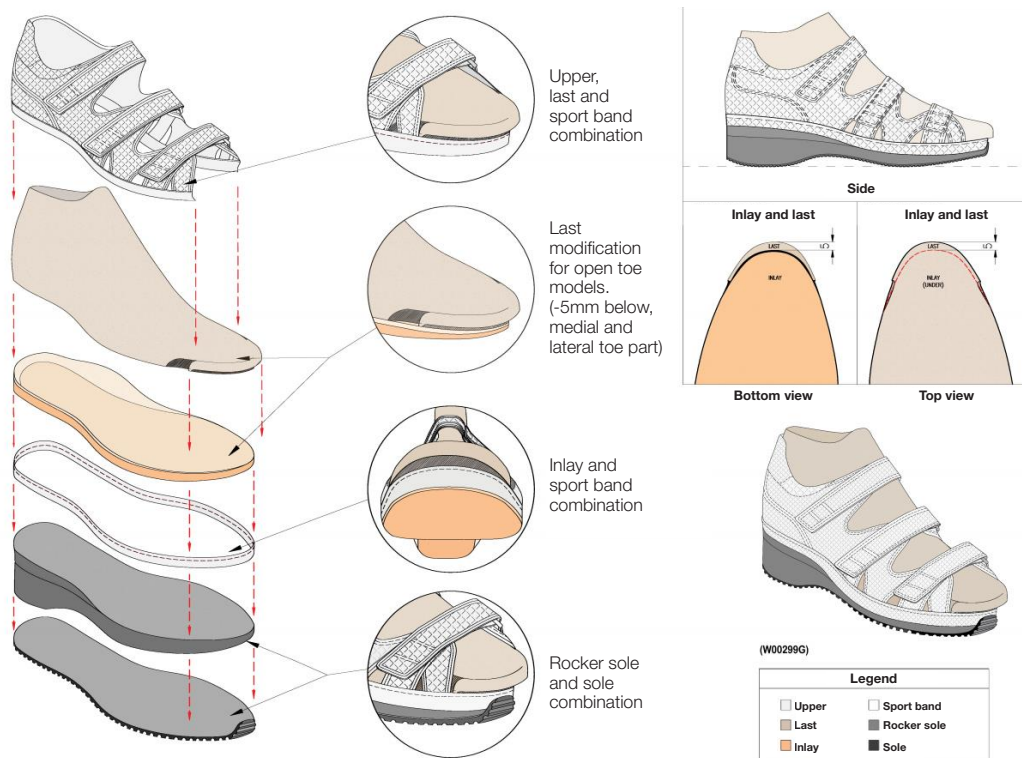
For sandals and open toe models the inlay should be shortened for proper fitting. For CYS to shorten the inlays, the clinician needs to specify this on the orderform or with a clear line on the last. The length of the innersole will be adjusted to the same length of the inlay.

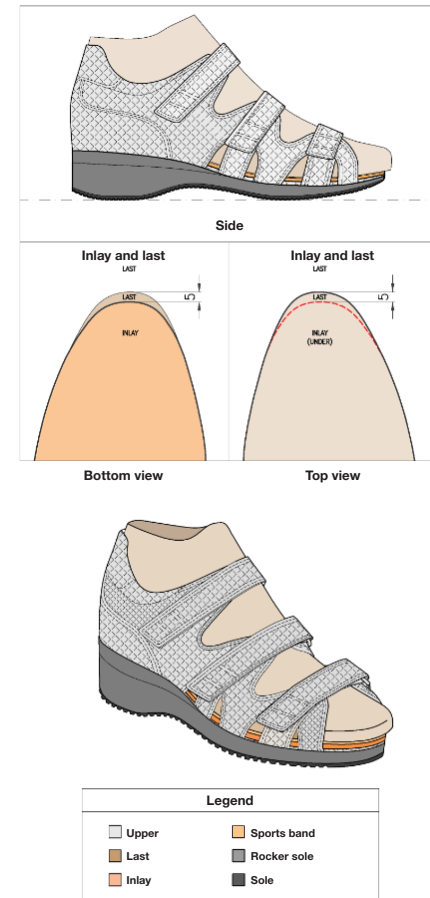
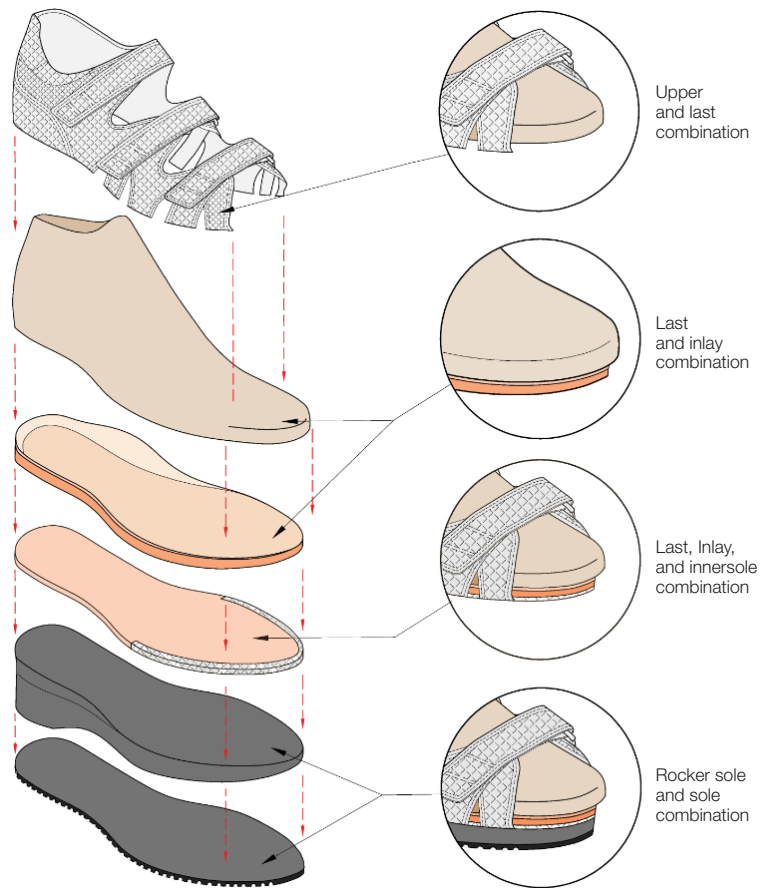
Remark: Do not forget to mention a shortened workinginlay when ordering a new (closed) pair of shoes.

Mudguards/sport band

For adding a mudguard or sport band, the provided last will be adjusted on the medial and lateral side of the toepart. To prevent collapsing, the mudguard or sport band will be reinforced with renoflex at the toepart.

For model with a closed edge there is no adjustment to the last needed. The toepart of the innersole will be covered with the same leather as the upper. This will also be applied to the inlay at the open parts of the shoe.





Remark: 2 extra pieces of leather (40x250mm) will be added to the order for any covering needed afterwards.

5 | SPECIALS

We offer a range of Special Products to help enhance your clients daily living in addition to their custom orthopedic shoes. These range from wet shoes for additional safety when bathing, for areas where the floor may be wet, or swimming right through to work shoes for additional safety when working or performing more hazardous activities. To complement the complete shoes, we also offer house shoes with some orthopedic adjustments, for safer indoor ambulation. Inner shoes can be ordered, which give the orthopedic support in a comfortable stand-alone device that the client can wear in different shoes. You will also find our range of test uppers which can be used to test the fit in a dynamic setting, allowing them to walk before committing to the complete shoe.

5.1 | HOW TO ORDER

Specials can be ordered through our regular upper and bottom order forms. Please indicate the special product code instead of the Model number.

MODEL		FILL OUT IN THE ORDER
1	Article	Article Number
2	Upper	Upper Height Use of material and colour Type of closure
3	Instep point	If you want to adjust our 1/3th standard, please fill out in cm to the front or to the back
4	Orthopedic options	Most orthopedic options can be made in our Special Products
5	Heel Height	Please fill out the heel height
6	Inlays	Please fill out the inlay order form if you do not supply your own inlays

5.2 | HOUSE SHOES

A pair of house shoes can be an ideal way to complement your clients orthopedic shoes, allowing them to have all the orthopedic modifications needed, in a soft comfortable material for indoor ambulation.



SP731



SP732

TECHNICAL SPECIFICATIONS

- Default:** A heel counter can be placed between the two layers of the backside
- Specials:** It is possible to order a specific reinforcement (BLU), see page 36 - 37
- Heel:** EVA wedge heel with out sole: no. 200 / 6 mm

House Shoes are available in several colours, please check our special material bundle no.; 1021-1036. Velcro can be ordered in several leather types.

5.3 | BATH- RUBBER AND SOCK SHOES

The bath shoe is worn during showering or bathing and the user can wear the heavier design of this shoe to go swimming (in chlorine, freshwater and salt water). Please note: this is not a hiking or walking shoe.

BATH SHOE



SP700

Lining: 3 mm ercoflex no: 5050

Upper material external: 4 mm thermoplastic EVA no: 5038

TECHNICAL SPECIFICATIONS

Default: This product can only be ordered as 'high' shoe and is only available in velcro closure
All orthopedic features are possible in the bath shoe

Specials:

- Suitable for chlorine- and salt water
- The wedge heel can, if required, be weighted with lead to enable swimming

Heel: Add-on heel; EVA with Nopair outer sole no.: 200 / 6 mm

RUBBER SHOE



SP710

TECHNICAL SPECIFICATIONS

Default:

Only high shoes and always with watertight tongue.
Available in Brown and Black

Specials:

- All orthopedic options can be ordered in Rubber Shoes
- Can be supplied with a steel nose
- These shoes are 100% watertight

Heel:

EVA heel with out sole: no. 200 / 6 mm

Lining:

3 mm ercoflex no: 5050

Upper material external:

2 mm crepina soft

SOCK SHOE



SP721



SP722

TECHNICAL SPECIFICATIONS

Default:

Suitable for all types of leather. Sock Shoes are being delivered without inner soles

Specials:

If specified, Sock Shoes can be delivered with anti-slip sole on the bottom and/or including inlays

Closure:

Sock Shoes can be ordered with any closure types

5.4 | WORK SHOES



W8001



W8002



W8007

SPECIFICATIONS

Standard:

The bottom part of work shoes are made with pre fabricated soles and have extra grip profile soles. All orthopedic options can be ordered in work shoes.

Options:

- Water tongue
- Gorex, between lining and leather
- Steel toe
- Steel sole plate
- Anti Penetration Insole / 5056
- Polyprop toe / carbon toe
- Rubber toe protection
- Rubber mudguard
- Oil and acid resistant sole nr.: 550, 605, 596

5.5 | TEST UPPERS AND INNER SHOES

TEST UPPERS



SP750

Size:

1	34-35	5	42-43
2	36-37	6	44-45
3	38-39	7	46-47
4	40-41		



SP751

Size:

18 cm	25 cm
1 35-36-37	1 35-36-37
2 38-39-40	2 38-39-40
3 41-42-43	3 41-42-43
4 44-45-46	4 44-45-46



SP752

Size:

18 cm	25 cm
1 35-36-37	1 35-36-37
2 38-39-40	2 38-39-40
3 41-42-43	3 41-42-43
4 44-45-46	4 44-45-46



SP753

Size:

18 cm	25 cm	40 cm
1 35-36-37	1 35-36-37	1 35-36-37
2 38-39-40	2 38-39-40	2 38-39-40
3 41-42-43	3 41-42-43	3 41-42-43
4 44-45-46	4 44-45-46	4 44-45-46

INNER SHOE

The inner shoe can be produced with all orthopedic options and they can be worn in different shoes; as well orthopedic shoes as comfort shoes. Tongue runs from medial to lateral.



SP725 Inner Shoe with lacing



SP726 Inner Shoe with velcro

5.6 | DIABETIC LOOXZ MODELS

Our diabetic shoes are based on the design from the Looxz collection. The diabetic models have been modified in their construction and materials that make these models suitable for diabetics or those with sensitive feet.

SPECIFICATIONS

1. Technical information

The diabetic models are built the same as default in the construction and materials below:

PARTS OF SHOE	STANDARD DIABETIC SHAPE/CONSTRUCTION	STANDARD DIABETIC MATERIAL
Toe	Wing toe	Tep
Counter	Standard model	1.2 mm Renoflex for Men and Women
Complete Lining Oxford model	Front and tongue lining made in 1 piece	Choice 1011-1015 color dependent on design
Complete Lining Derby model	Front and tongue lining made in 1 piece Closing point not through lining	Choice 1011-1015 color dependent on design
Tongue	Not-seamless (standard) tongue with 3 mm padding	Choice 1011-1015 color dependent on design
Heel rounding	Standard	
Velcro	With roller buckle	
Sides	No side lining reinforcement	
Bottom	Wedge heel flat	55 Shore EVA build up material
Outer sole		Mandorlo- Vibram original or if needed CYS colors
Sportsband		EVA sportsband

2. Ordering

The diabetic models can be entered / selected under their specific model number in the CYStore. When using another order form, the model number must be entered. If no changes are required in the construction or materials, we will produce the shoes with the above specifications.

If necessary, the specifications can be adjusted per part of the shoe. Modify what is needed in the CYStore or state them in the order form. Only these items will be adjusted.

The standard prices and rules apply to other functional adjustments.

If design adjustments are made (adjustment of the upper leather, different type of bottom construction, etc. *) costs for "Off-Standard" will be charged.

3. Website

All diabetic models can be found at www.cysgroup.eu. By means of the filter option, models for men / women can be selected.

** Applicable rules Looxz Off-Standard*

6 | BOTTOM AND MATERIALS

The availability of a very diverse range of materials within orthopedic shoe technology, is not unknown to you. The materials we use and the specifications they have, are explained in this chapter. The materials have been selected by our quality managers and subjected to various tests. In this way, the end user only gets the best materials and the technician has an insight into the complete range of welts, edges, soles, plate sole materials and accessories.

6.1 | EDGES

RUBBER SPORTBAND

Thickness Edges: 2,2 mm
Shore of Edges: 60 +/- 5
 (493, 494 have a shore of: 55 +/- 5)



485 Sport Band

Colour codes:
 010 until 019



486 Sport Band

Colour codes:
 010 / 011 / 012



487 Rubber Car Tire Pattern

Colour codes:
 011 / 012



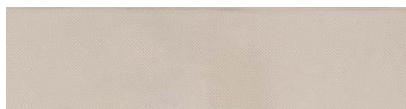
490 Plain Rubber / 493 Plain EVA

Colour codes 490:
 010 until 019
Colour codes 493:
 010 / 011 / 012 / 014 / 016 / 017



491 Grain Rubber / 494 Grain EVA

Colour codes 491:
 010 until 019
Colour codes 494:
 010 / 011 / 012 / 016 / 017



492 Fine Grain (Diamond) Rubber

Colour codes:
 010 / 011 / 012 / 014 / 015 / 016 /
 017 / 019



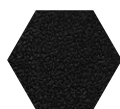
495 Coloured Line

White base with line in:
 black / blue / red / white
Black base with line in:
 black / white

COLOUR CODES



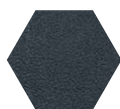
010
 White



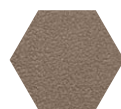
011
 Black



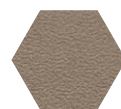
012
 Brown



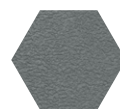
013
 Blue



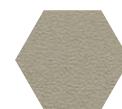
014
 Taupe



015
 Mid Brown



016
 Grey



017
 Beige



018
 Sand



019
 Ice

6.2 | WELTS

RUBBER WELTS



400 Coarse perforated

Colour codes: 010 / 011 / 012 / 015 / 017 / 019



405 Fine perforated

Colour codes: 010 / 011 / 012 / 015



410 Fine perforated with roll

Colour codes: 010 / 011 / 012 / 015 / 016 / 017 / 018 / 019



415 Scalloped roll

Colour codes: 010 / 011 / 012 / 015 / 016 / 017 / 019



420 Fine stitch with scalloped roll

Colour codes: 011 / 015 / 016 / 018



425 Fine stitch with roll

Colour codes: 011 / 012 / 015 / 016 / 017 / 018 / 019



430 Coarse stitch with fine perforation

Colour codes: 010 / 011 / 012 / 015 / 016 / 018



435 Double stitch

Colour codes: 011 / 012 / 015



436 Coarse perforated with scalloped roll

Colour codes: 011 / 012



437 Coarse with yellow stitch

Colour codes: 011 / 012



438 Flexible glue

Colour codes: 011 / 012 / 015



450 Rubber edge with roll (high)

Colour codes: 011 / 012

RUBBER WELTS



455 Rubber edge with roll (low)

Colour codes: 010 / 011 / 012 / 015 / 016



460 Rubber edge with roll and lacework

Colour codes: 011 / 012

EVA WELTS



440 EVA edge with roll and lacework

Colour codes: 010 until 019



445 EVA edge with roll

Colour codes: 010 until 019



461 EVA edge with medium high roll

Colour codes: 010 / 011 / 012 / 013 / 014 / 016 / 017 / 019



462 EVA edge with extra high roll

Colour codes: 010 / 011 / 012 / 013 / 014 / 016 / 017 / 019

LEATHER EDGE STITCH THROUGH MIDSOLE



465 Flexible leather edge

Colour codes: 011 / 012 / 015



470 Flexible leather edge pure perforated

Colour codes: 011 / 012



475 Flexible leather edge with roll

Colour codes: 011 / 012 / 015 + natural



480 Flexible leather edge with scalloped roll

Colour codes: 011 / 012

LEATHER WELTS



481

Colour codes: 011 / 012 / 018 + natural



482

Colour codes: natural

6.3 | SOLES



VIBRAM SOLES

Colours: 011 / 012

Material: Expanded Rubber

Shore Value: 47 +/- 3

2600

Size: 37 until 49

Sole Thickness: 8 mm

Heel Height: 10 mm

Density: 0,507



2603 + 2604

Size: 39 until 47

Sole Thickness: 13 mm

Heel Thickness: 22 mm

Density: 0,358

(Separate add-on heel)



2640

Size: 37 until 46

Sole Thickness: 8,9 mm

Heel Height: 10 mm

Density: 0,462



2644

Size: 36 until 46

Sole Thickness: 6 mm

Density: 0,442



2655

Size: 36 until 46

Sole Thickness: 7 mm

Heel Thickness: 10 mm

Density: 0,400

(Separate add-on heel)



528 (only in colour 011)

Size: 39 until 47

Shore Value: 51 +/- 4

Sole Thickness: 10.5 mm

Heel Height: 15 mm

Density: 0,361

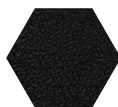


COLOUR CODES



010

White



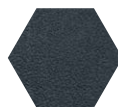
011

Black



012

Brown



013

Blue



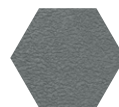
014

Taupe



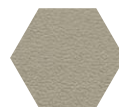
015

Mid Brown



016

Grey



017

Beige



018

Sand



019

Ice

CYS CASUAL SOLES

Colours: 011 / 012

Size: 39 until 47

Material: Expanded Rubber

Shore Value: 55 +/- 3

540

Sole Thickness: 7 mm

Density: 0,471
(For wedge heels)



545

Sole Thickness: 7 mm

Heel Thickness: 12 mm

Density: 0,471
(Separate add-on heel)



610

Sole Thickness: 6 + 8 mm

Density: 0,406
(For wedge heels)



CYS EXTRA GRIP SOLES

Colours: 011 / 012 / 015

Size: 39 t/m 47

Material: Rubber

Shore Value: 70+/-3

505

Sole Thickness: 8 mm

Density: 0,676

⚠ Heavy



550*

Sole Thickness: 8 mm

Heel Thickness: 7 mm

Density: 0,873
⚠ Heavy
(Separate add-on heel)



* 011 Available in oil and acid resistant.

605*

Sole Thickness: 8 mm

Heel Height: 15 mm

Density: 0,723

⚠ Heavy



* Available in oil and acid resistant. Anti static in colour black.

CYS SPORTIVE SOLES

Size: 39 until 47

Material: Rubber

Shore Value: 70 +/- 3

555

Colours: 010 / 011 / 012

Sole Thickness: 6 mm

Density: 0,865



560

Colours: 011 / 012

Sole Thickness: 6 mm

Density: 0,694



585

Colours: 010 / 011 / 012 / 016

Sole Thickness: 6 mm

Density: 0,532



590

Colours: 011

Sole Thickness: 7 mm

Heel Thickness: 14 mm

Density: 0,429

 Heavy

(Separate add-on heel)



CYS KIDS SOLES

Colours: 011 / 012

Size: 32 until 35

Material: Expanded Rubber

Shore Value: 55 +/- 3

Sole Thickness: 8 mm

Heel Height: 15 mm

600

Colours: 011 / 012

Sole Thickness: 8 mm

Heel Height: 15 mm

Density: 0,595

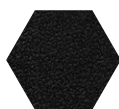


COLOUR CODES



010

White



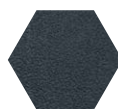
011

Black



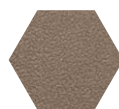
012

Brown



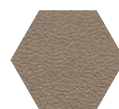
013

Blue



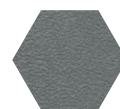
014

Taupe



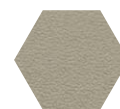
015

Mid Brown



016

Grey



017

Beige



018

Sand



019

Ice

CYS WORK SHOE SOLES

Colours: 011

Note: Oil / acid resistant
and anti static

510

Size: 39 until 48

Material: Rubber

Shore: 75 +/- 3

Sole Thickness: 7 mm

Heel Height: 5 mm

Density: 0,788

⚠ Heavy



515

Size: 39 until 48

Material: PU

Shore: 50 +/- 3

Sole Thickness: 9 mm

Density: 0,397



520

Size: 39 until 48

Material: PU

Shore: 50 +/- 3

Sole Thickness: 8 mm

Heel Height: 18 mm

Density: 0,473



596

Size: 39 until 47

Material: Rubber+EVA inserts

Shore: 60 +/- 3

Sole Thickness: 15 mm

Heel Height: 15 mm

Density: 0,447

⚠ Heavy



CYS WOMEN SOLES

FOR WOODEN HEEL

Size: 36 until 42

Shore Value: 90 +/- 3

Sole Thickness: 3 mm

615

Colour: 011

Density: 1,118



616

Colour: 012

Density: 1,118



617

Colour: 018

Density: 1,118

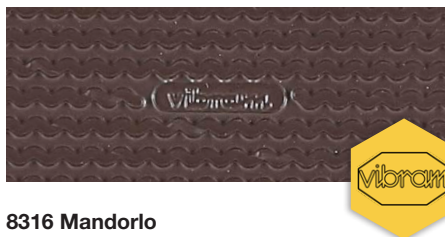


PHASED OUT, AVAILABLE
UNTIL STOCK RUNS OUT

6.4 | PLATE SOLE MATERIAL

VIBRAM EXPANDED RUBBER

Colours: 011/ 012



8316 Mandorlo

Shore: 40 +/- 5

Sole Thickness: 6 + 8 mm

Colour: 010 / 013 / 014 / 019; only in
CYS sole 225 and thickness of 6 mm

Density: 0,270



8870 New Flex

Shore: 51 +/- 4

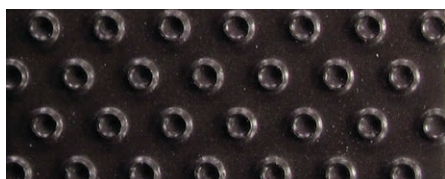
Sole Thickness: 5 + 8 mm

Density: 0,411

CYS EVA

Colours: 010 until 019

Sole Thickness: 6 + 8 mm



200 Nop-Air

Shore: 55 +/- 5

Density: 0,279



205 Lunalux

Shore: 60 +/- 5

Density: 0,352

CYS EXPANDED RUBBER

Shore: 60 +/- 5



210 Crepe Light

Colours: 011 / 012

Sole Thickness: 4 + 6 mm

Density: 0,397



220 Nora Astro-Star

Colours: 010 until 017 / 019

Sole Thickness: 4 + 6 mm

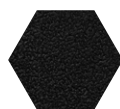
Density: 0,541

COLOUR CODES



010

White



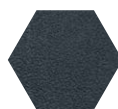
011

Black



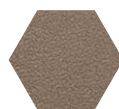
012

Brown



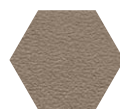
013

Blue



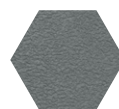
014

Taupe



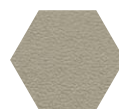
015

Mid Brown



016

Grey



017

Beige



018

Sand



019

Ice

CYS RUBBER



215 Rubber Elastic

Colours: 010 until 019

Sole Thickness: 4 + 6 mm

Shore: 65 +/- 5

Density: 0,712



nora®

227 Nora Coarse-Wave

Colours: 010 / 011 / 012

Sole Thickness: 4 + 6 mm

Shore: 70 +/- 3

Density: 0,793



228 Car Tire profile

Colours: 011 / 012 / 015

Sole Thickness: 5,5 mm

Shore: 70 +/- 3

Density: 0,787



nora®

230 Control FB

Colours: 011 Nora / 012 CYS (thickness 6,5 mm)

Sole Thickness: 6,5 mm

Shore: 65 +/- 3

Density: 0,782

** Oil and acid resistant and anti static.*



236 Crepe Hard

Colours: 010 until 019

Sole Thickness: 2+ 4 + 6 mm

Shore: 65 +/- 3


Density: 0,928

 Heavy

CYS NYLON RUBBER HEEL

Shore: 90 +/- 3
Sole Thickness: 1,8 mm + 6 mm
Colours: 011 / 012 / 015



237
Density: 0,973
 Heavy

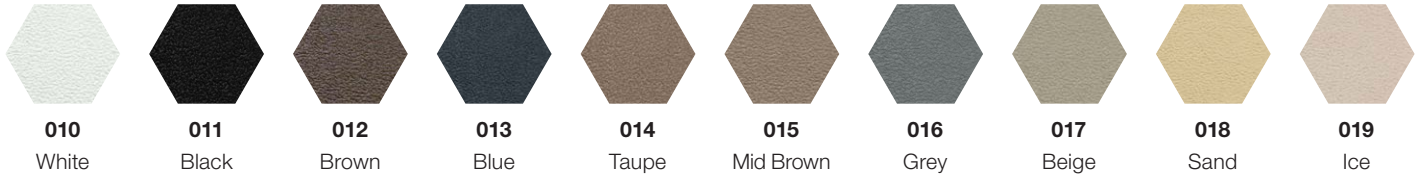
CYS LEATHER SOLE

Colours: Natural
Sole Thickness women: 3,5 - 4 mm
Sole Thickness men: 4,5 - 5 mm
Shore: 95 +/- 3



240
Density: 0,793

COLOUR CODES



6.5 | ACCESSORIES

LACES ACCESSORIES

EYELETS



001 / 002 / 005

Colour Codes:

A until E
 \varnothing 4 mm / 5 mm /
 6 mm



003

Colour Codes:

A until E



004

Colour Codes:

A until E



006

Colour Codes:

A until E



010 / 011

Colour Codes:

A until E
 \varnothing 8 mm / 10 mm

HOOKS



013

Colour Codes:

A until E



014

Colour Codes:

A until E
 Nickel free



015

Colour Codes:

A until E
 Nickel free



017 Big

Colour Codes:

A until E



018

Colour Codes:

A until E



021

Colours:

Black, brown, white, d. blue



091

Colour Codes:

A until E
 Nickel free



095

Colour Codes:

A until E
 Nickel free



096

Colour Codes:

A until E
 Nickel free



099

Colour Codes:

A until E
 Nickel free

COLOUR CODES



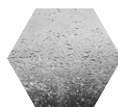
A

Gun metal



B

Black



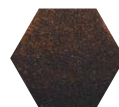
C

Silver/nickel



D

Antique



E

Red copper

VELCRO BUCKLES



019 Roller Buckle

Colour Codes and Sizes:

A until E: 15 / 20 / 25 / 30 mm. A / C: 40 / 50 mm



022 Nylon Buckle

Colours and Sizes:

Black, brown, beige, blue, white: 20 / 25 + 30 mm



023 Loop Shape ring

Colour Codes:

A until E: 20,5 / 25 / 30 mm

DECORATION BUCKLES



036

Colour Codes and Sizes:

A until E: 15 / 20 / 25 mm



037

Colour Codes and Sizes:

A until E: 15 / 20 / 25 / 30 mm



043

Colour Codes and Sizes:

A / C / D: 16 / 20 / 25 mm



045

Colour Codes and Sizes:

A / C / D: 16 / 20 / 25 mm

DECORATION ACCESSORIES

STUDS / DECORATION



100
Colour:
Silver, gold



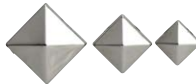
101
Colour:
Silver, gold



106
Colour:
Silver, gold



108
Colour:
Silver
Sizes:
12 mm / 9 mm /
6 mm / 5 mm /
2 mm

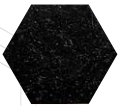


109
Colour:
Silver
Sizes:
10 mm / 7 mm /
5 mm



105
Colour:
Silver
Sizes:
20 mm / 15 mm /
10 mm / 6 mm

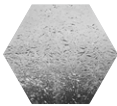
COLOUR CODES



A
Gun metal



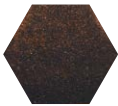
B
Black



C
Silver/nickel



D
Antique



E
Red copper

PUSH BUTTON



056 / 057

056:

Ø 12 mm

Colour Codes: A / C / D

057:

Ø 14 mm

Colour Codes: A / D

ONE HAND CLOSURE



055

Colour Codes: A / C